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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

HOBARTON, VAN DIEMEN ISLAND.

VOL. I.

Presented by direction of the British Government,

to

The Observatory at Kew.

OBSERVATIONS

MADE AT THE



MAGNETICAL AND METEOROLOGICAL
OBSERVATORY

AT

HOBARTON, IN VAN DIEMEN ISLAND

AND BY THE

ANTARCTIC NAVAL EXPEDITION.

PRINTED BY ORDER OF HER MAJESTY'S GOVERNMENT,

UNDER THE SUPERINTENDENCE OF

LIEUT.-COLONEL EDWARD SABINE,
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WITH ABSTRACTS OF THE OBSERVATIONS FROM 1841 to 1848 INCLUSIVE.

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INTRODUCTION.

THE Observatory at Hobarton having been established at a period when there was also a Naval Expedition employed in making a magnetic survey of a portion of the Southern Hemisphere, it appeared desirable, and it was accordingly so arranged, that whilst the three Observatories of Toronto, St. Helena, and the Cape of Good Hope, were placed under the Ordnance Department, and the duties performed by officers and soldiers of the Royal Artillery, the Hobarton Observatory was placed under the Admiralty, and its personal establishment was furnished by the Royal Navy. On the arrival of the ships of the Antarctic Expedition at Hobarton in August 1840, the officers and men selected for the duties of the Observatory were landed, together with the equipment of instruments, which was similar in all respects to that of the Ordnance Observatories. Lieutenant (since promoted to Commander) Joseph Henry Kay, R.N., was appointed Director, and Messrs. Peter Scott and Joseph Dayman, Admiralty Mates (since promoted to Lieutenants) his assistants, with two non-commissioned officers and one private of the Royal Marines. A site was selected for the Observatory in the Government demesne, on a foundation of sandstone rock. The instrument-room, 48 feet long by 16 broad, was constructed entirely of wood, no metal of any kind having been used in the fastenings. The pillars for the support of the instruments were of sandstone, bedded in the solid rock. Suitable buildings for the accommodation of the officers and men were erected at a convenient distance from the Observatory.

It happening fortunately that at this period Sir John Franklin was Governor of the colony of Van Diemen Island, the progress of the buildings was so favoured by his countenance and encouragement, that they were completed in a remarkably short time, and the instruments were moved in, adjusted, and in steady work before the end of the year. The record in this volume commences with the 1st of January 1841.

The Observatory thus constructed was found, however, on the experience of the first few months, to afford a very inadequate protection against the variations of the external temperature, and a second or exterior roof was added, which was prolonged into a verandah. In May, 1843, the instrument-room was divided by a wooden partition, running along its whole length, and was lined "with blankets stretched tightly on each side of uprights firmly fixed to the floor and ceiling, at 16 inches from the inner sides of the chamber, the interval between the two parts of the blanket being about $3\frac{1}{2}$ inches, and the blanket itself closely pinned with wooden battens, above and below. Every seam in the wooden sides of the building was made air tight, and earth was banked around the building outside, sufficiently high to prevent the entrance of currents of air between the wooden plates of the building and its stone foundation." The bifilar and balance magnetometers were also enclosed with a double casing of wood; the interval between the two cases, which was about three inches, being filled with clay. This external casing surrounded, but without touching, the mahogany cases containing the magnetometers, and was supported by uprights fixed to the floor and ceiling, so as to be quite independent of the pedestals on which the magnetometers rested.

In November 1844 a detached building for experimental determinations, and for observations of absolute force, was erected in conformity with the directions contained in the Revised Instructions of the Royal Society. It consisted of a single hexagonal room, 13·5 feet by 10·5 feet, with sandstone walls and a weather-boarded roof, and was about 80 feet distant from the magnets in the Observatory. The establishment has been from the commencement, and still continues, under the direction of Commander Kay. In September, 1842, Mr. Jeffery, a gentleman residing at Hobarton, unconnected with the Naval Service, was appointed by the Admiralty, at the recommendation of Sir John Franklin, an additional assistant. In 1844 Lieutenant Alexander Smith, R.N., and Mr. Francis Simpkinson, Admiralty Mate, were appointed to succeed Lieutenants Scott and Dayman; and in 1848, on the discontinuance of hourly observations, which had been maintained for eight years, Mr. Simpkinson was promoted to Lieutenant, and discontinued on the establishment.

The Observatory is in latitude $42^{\circ} 52' 5''$ S., and in longitude $147^{\circ} 27' 5''$ E., and is 105 feet above the level of the sea at mean tide.

An application having been made from the Lords Commissioners of the Admiralty to the Master-General and Board of Ordnance, with the sanction of the Treasury, proposing that the reduction and publication of the observations made at the Van Diemen Island Observatory, and by the Antarctic Expedition, should be comprehended in the arrangements made for the Ordnance Observatories, the Master-General and Board were pleased to assent to this proposal, and to direct accordingly.

The present volume contains:—

1st. Abstracts of the hourly observations made with the magnetical and meteorological instruments, from the 1st of January 1841 to September 1848, when the system of hourly observation was discontinued, in the belief that the period for which it had been maintained was sufficient for the determination of the diurnal variation of the several magnetical and meteorological elements.

2nd. Abstracts of the observations made during the same period (1841–48) to determine the absolute values of the magnetical elements, their secular changes, and annual variations.

3rd. The hourly observations themselves (magnetical and meteorological) for the years 1841 and 1842, with the term observations during the same years.

4th. The term observations and abstracts of hourly magnetical observations, made in 1841 and 1842, by the Antarctic Expedition at various stations in the Southern Hemisphere.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETICAL INSTRUMENTS.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETIC DECLINATION.

Declinometer.—The Declination Magnetometer employed in the Observatory at Hobartton was of the construction described in pages 13 and 14 of the Royal Society's Report. The magnet was furnished with sliding pieces carrying a lens and scale, by which it was rendered a moving collimator, and its position was read off by a telescope placed on a separate stone pedestal, which was fixed at a distance of about 8 feet from the magnet. The observations with this instrument began in September 1840, and were made hourly from the commencement at every hour of mean Göttingen time. The observations of the first three months are not included in the publication, which commences with the 1st January 1841.

The suspension thread formed on the 20th September 1840 continued in use until the 12th July 1843, when two fibres were found broken, and the thread itself soon afterwards gave way. It was replaced by a second thread, which continued in use to the close of the hourly series in 1848. In the case of the first thread the ratio of the torsion force to the magnetic directive force, determined in September 1840, and re-examined monthly for several months, with very slight differences in the results, was $\cdot 0008$. The arc value of one division of the collimator scale determined by the maker was $0\cdot 7085$: consequently the arc value of one division, as read off by the telescope, was $0\cdot 7085 \times 1\cdot 0008 = 0\cdot 709$.

The ratio of the torsion force to the magnetic directive force of the second thread was examined on the 14th July, 1843, and found $\cdot 00073$; whence the value of one division of the scale with this thread, was $0\cdot 7085 \times 1\cdot 00073 = 0\cdot 709$, or the same as with the first thread. The plane of detorsion with the first thread was brought into coincidence with the magnetic meridian by the suspension of the brass bar in September 1840, and being re-examined was found the same in January 1842, and in April of the same year; but no subsequent examination was made between April 1842, and July 1843, when the thread broke. A new thread being formed, and the line of detorsion adjusted carefully in the usual manner, it was immediately perceived that the readings of the magnet with the old and new threads did not correspond; Lieut. Kay's remark thereon is as follows:—"I consider it more probable that the error was in the old thread, which was so repeatedly handled in moving the magnetic bar for

the purposes of suspending the deflecting bar employed in experiments on the absolute horizontal force, than in the new thread, which was very carefully formed and adjusted, and had been left to swing for 20 hours. The cause of the difference must be in the suspension thread, because the zero point of the scale was the same as it had been for the two preceding years, and the position of the reading telescope is unchanged."

On examining the abstracts of the observations from April 1842 (the date of the last examination of the adjustment of the plane of detorsion of the old thread) to July 1843 (when the new thread was formed and adjusted) we find the mean monthly readings of the Declinometer to have been as follows:—

OLD THREAD.				NEW THREAD.	
1842.		1842.		1843.	
	Sc. Div.		Sc. Div.		Sc. Div.
April	72·01	December	81·38	July	73·64
May	71·33		1843.	August	73·39
June	72·32	January	81·14	September	73·16
July	74·02	February	83·51	October	72·83
August	73·54	March	89·43	November	73·11
September	74·36	April	90·19	December	73·4
October	74·92	May	90·80		
November	80·93	June	89·58		

Here we perceive that the mean monthly positions with the old thread correspond with each other from April 1842 to October of the same year; that a change then took place equivalent to about 6 scale divisions; that between February and March 1843, a second change took place (the old thread being still in use) of nearly the same amount as the first; and finally, that when the new thread was substituted in July 1843, the mean monthly positions returned to an accordance with the readings in April 1842, at which period the plane of detorsion in the old thread was known to be in proper adjustment. The result of this examination therefore is confirmatory of Lieut. Kay's conclusion that the plane of detorsion with the old thread had undergone derangement, either from accident or inadvertance, between April 1842 and July 1843; and tends to make it appear probable that the derangement took place on two different occasions, and on each to nearly the same absolute amount, viz., on each occasion to about 6 scale divisions. From the commencement of the series to June 1843, the declination magnet was removed monthly in order to substitute the deflecting magnet used in the experiments of absolute horizontal force, and the arm of the torsion circle was repeatedly, during this period, moved backwards and forwards through an arc of 90° for the purpose of verifying the torsion coefficient. Now it has been found at other Observatories that, whilst these processes were periodically repeated, in conformity with the original instructions, the adjustment of the line of detorsion was liable to derangements, of which no satisfactory explanation presented itself. In a memorandum, dated

June 13th 1843 Lieut. Kay remarks:—"Up to this date the declination magnet has been handled repeatedly for the purpose of vibrating the deflecting bar; although the suspension thread was always carefully held when the magnet was removed, I do not think the absolute declination whilst this practice lasted is entitled to much confidence. Experience has convinced me that the instruments will not bear handling, and that when it is absolutely necessary that they should be touched, a total re-adjustment is also necessary." And on the 14th July 1843, having received from England the unifilar magnetometer, designed to render the removals of the declination magnet unnecessary by supplying an independent means of experimenting on the absolute horizontal force, he again writes as follows:—"The additional apparatus having now arrived, it is confidently hoped that no occasion will in future arise for disturbing the declination magnet in the slightest degree. Having completed its adjustment, and put the copper ring into its place, the magnet has been protected from currents of air by two thin septa of cedar, entirely occupying the interior of the mahogany box, and touching the outside circumference of the copper ring; and, after the box was carefully closed up, a covering of blanket has been put over the whole apparatus, as an additional security, with holes cut in it corresponding to the apertures in the box, so that there may be no obstruction to the reading."

The instrument has not subsequently been disturbed, consequently the scale readings may be regarded as strictly connected with each other, from July 1843, to the close of the hourly series, as far as depends on the suspension thread, unless, indeed, any *spontaneous* change may have taken place at any time in the direction of the plane of detorsion.

The point of the scale corresponding to the magnetic axis of the magnet may be considered to have remained strictly the same from May 1842, to the close of the hourly observations. Previously to May 1842, the sliding pieces were removed from the magnet when it was dismounted monthly for absolute determinations, it having been supposed that the sliders could be replaced without any appreciable change in the relation between the position of the scale and the magnetic axis. The frequent discrepancies which took place in the readings of the declinometer during this period, *i. e.*, from January 1841 to April 1842, are doubtless chiefly attributable to alterations occasioned in the zero point of the scale by the removal of the sliding pieces. From April 1842 to the close of the hourly series, the sliding pieces were not touched; the zero point examined on the 2nd April 1842, was found 64·5; on the 2nd of May 1842, 64·0; on the 13th June 1843, 64·6; and on the 13th of July 1843 (since which the magnet has not been touched), 64·4; 64·5 has been taken as a mean value for the whole period.

The stone pedestal which carries the reading telescope of the declination magnetometer has been a fixture throughout; but the position of the telescope on its pedestal was shifted in January 1842, for the purpose of bringing it more nearly into

the line of the magnetic axis of the magnet. The azimuth of the line of collimation of the reading telescope has thus had two values, one before the change, of $9^{\circ} 49' \cdot 7$, and the other, since the change, of $9^{\circ} 47' \cdot 2$, East of the true or astronomical meridian. Stone pillars, for the purpose of verifying at pleasure the direction of the telescope, were set up at a distance of 4 miles from the Observatory. The azimuth of the line of collimation of the reading telescope was obtained by employing that telescope as a collimator to the transit theodolite, and determining by the latter instrument the difference of azimuth of the line of collimation of the reading telescope and that of different stars, of which the true azimuth could be computed from the known sidereal time of the observation. The following Table contains the results of the determinations made according to this method on different days in 1842 and 1843.

TABLE I.

DATE.	STAR.	Azimuth of the line of Collimation of the Reading Telescope, East of the Astronomical Meridian.	MEANS.
1842			
March 8	Aldebaran .	9 47 44	9 47·16
	Rigel . .	9 46 36	
	α Orionis . .	9 47 20	
	Castor . .	9 47 24	
	Pollux . .	9 47 32	
	Procyon . .	9 47 16	
	γ Crucis . .	9 46 32	
	α Crucis . .	9 46 23	
	β Centauri . .	9 46 59	
	Aldebaran .	9 47 53	
March 25	Canopus . .	9 47 14	9 47·45
	Sirius . .	9 47 10	
	Procyon . .	9 47 51	
	Regulus . .	9 47 44	
	Arcturus . .	9 47 33	
	Arcturus . .	9 47 39	
	Spica Vir. .	9 47 15	
	Antares . .	9 47 12	
July 18	Arcturus . .	9 46 29	9 46·70
	α^2 Libræ . .	9 46 16	
	ϵ Bootis . .	9 46 41	
	Arcturus . .	9 46 58	
	η Bootis . .	9 46 52	
	Spica Vir. .	9 46 59	
August 1	Spica Vir. .	9 47 48	9 47·45
	η Bootis . .	9 47 46	
	Arcturus . .	9 47 38	
	Antares . .	9 47 01	
	α Aquilæ . .	9 47 21	
	α Aquilæ . .	9 47 05	
	α Lyræ . .	9 47 28	

TABLE I.—*continued.*

DATE.	STAR.	Azimuth of the line of Collimation of the Reading Telescope, East of the Astronomical Meridian.	MEANS.
1842			
August 2	Spica Vir. .	9 47 14	9 47.58
	η Bootis . .	9 47 35	
	α Aquilæ . .	9 47 22	
	Arcturus . .	9 48 11	
1843			
Feb. 14	Aldebaran .	9 47 25	9 47.23
	Rigel . .	9 47 12	
	Procyon . .	9 47 07	
	α^2 Centauri .	9 47 04	
	β Centauri .	9 47 22	
April 4	Rigel . .	9 47 30	9 46.65
	ϵ Orionis . .	9 47 22	
	α Orionis . .	9 46 46	
	Sirius . .	9 47 04	
	Procyon . .	9 46 42	
	Castor . .	9 46 35	
	α^2 Centauri .	9 46 19	
	β Centauri .	9 45 56	
	α Crucis . .	9 45 26	
	Antares . .	9 46 40	
	Spica Vir. .	9 46 41	
	β Leonis . .	9 46 46	
Dec. 11	α Hyd. . .	9 46 49	9 46.97
	α Hyd. . .	9 46 30	
	α Hyd. . .	9 47 01	
	Regulus . .	9 47 08	
	Regulus . .	9 47 23	
	Mean of all . . .		9 47.15

By experiments made in July 1843, the prismatic error of the parallel glass, covering the aperture of the case through which the collimator scale was read, was found equal to one-tenth of a scale division additive to the zero of the scale, and the effect of the copper damper was on the same occasion found to be inappreciable.

By repeated experiments on the influence of the magnets of the bifilar and vertical force magnetometers on the magnet of the declinometer, it was found that the disturbance in the scale reading of the latter instrument, occasioned by the presence of either the bifilar or the vertical force magnets, or of both, was less than one-tenth of a scale division.

Absolute Declination corresponding to the fortnightly mean positions of the Declinometer.—It has been already seen that the plane passing through the line of collimation of the declination telescope formed with the astronomical meridian an angle of $9^\circ 47' \cdot 2$, and

that the point of the scale corresponding to the magnetic axis of the bar was $64\cdot5$. The absolute declination at Hobarton, as found by this instrument, was therefore $9^{\circ} 47'\cdot2$ East, corresponding to a scale reading of $64\cdot5$; or $9^{\circ} 58'\cdot2$, corresponding to a scale reading of $80\cdot0$.

Since November 1844, frequent observations have been made to obtain an independent value of the declination, employing a separate instrument placed on the outside of the Observatory, having collimator magnets from three to four inches in length. This instrument (the portable declinometer described in Captain Riddell's Instructions, p. 15 & 16) was adjusted on a stone pedestal, and the theodolite on another stone pedestal. At each determination the telescope was referred to a well-defined distant mark, whose true bearing with the astronomical meridian was accurately determined from a mean of a great number of separate results. Three magnets were employed in the years 1845 and 1846, and one only in 1847, and the observations were reduced to the scale reading $80\cdot0$ of the large declination magnetometer. The results are as follow:—

Declination from a Mean of all the observations made in 1845	. .	$9^{\circ} 53'\cdot9$
Ditto	ditto	1846 . . $9^{\circ} 54'\cdot6$
Ditto	ditto	1847 . . $9^{\circ} 54'\cdot4$
		$9^{\circ} 54'\cdot3$
General Mean		

The observations with the Observatory Declinometer show, as we have seen, a declination equal to $9^{\circ} 58'\cdot2$ corresponding to the same point of the scale; so that a mean difference of $3'\cdot9$ exists between the results of the two instruments, the cause of which is not as yet apparent, but it is probable that when the time shall arrive for dismantling the instruments the reason of the discrepancy will be traced. It is evident that the difference is due to some cause which has existed since the commencement of the comparative observations. An error in the determination of the point of the scale on the magnetic axis of the large declination bar;—or in the azimuth of the vertical wire of the declination telescope;—or in the azimuth of the fixed mark to which the theodolite telescope is referred;—or in the collimation of either telescope;—would produce a discrepancy in the results such as has been found to exist.

Table II. contains the fortnightly mean positions of the declinometer, and the mean Declination in each fortnight, from the period (July 1843) at which the monthly removals of the magnet were discontinued.

MAGNETIC DECLINATION.

TABLE II.

The Angular Value of one Scale Division of the Declinometer = 0'.71. The Declination corresponding to the Zero point of the Scale is 9° 47'.2. The Zero Scale Division is = 64.5. An increase in the Scale Divisions denotes an increase of East Declination.

DATES.	MEAN SCALE DIVISIONS.						EAST DECLINATION.					
	1843	1844	1845	1846	1847	1848	1843	1844	1845	1846	1847	1848
Jan. 1 to Jan. 14	—	74.04	75.29	78.45	80.21	81.09	9° +	9° +	9° +	9° +	9° +	9° +
„ 15 „ 28	—	74.20	75.58	78.54	80.54	80.99	—	53.97	54.86	57.11	58.35	58.98
„ 29 Feb. 11	—	74.46	76.12	78.67	80.42	82.00	—	54.09	55.06	57.17	58.59	58.91
Feb. 12 „ 25	—	74.73	76.62	79.36	80.82	82.56	—	54.27	55.45	57.26	58.50	59.62
„ 26 Mar. 11	—	74.73	76.62	79.36	80.82	82.56	—	54.46	55.80	57.75	58.79	60.02
Mar. 12 „ 25	—	75.12	76.83	79.59	81.40	82.87	—	54.74	55.95	57.91	59.20	60.24
„ 26 Apr. 9	—	75.52	76.54	79.86	81.46	82.77	—	75.52	76.54	79.86	81.46	82.77
„ 26 Apr. 9	—	75.55	77.40	80.31	81.98	82.35	—	55.02	55.77	58.11	59.24	60.17
Apr. 10 „ 22	—	75.55	77.40	80.31	81.98	82.35	—	55.05	56.35	58.42	59.61	59.87
„ 23 May 6	—	75.70	77.61	80.41	81.71	83.43	—	55.15	56.50	58.50	59.42	60.64
May 7 „ 20	—	75.43	77.49	80.78	81.79	82.99	—	54.96	56.42	58.76	59.48	60.33
„ 21 June 3	—	76.56	77.82	80.98	82.46	83.16	—	55.76	56.64	58.90	59.95	60.45
June 4 „ 17	—	76.07	78.06	80.76	82.33	83.47	—	55.42	56.82	58.74	59.86	60.67
„ 18 July 1	—	75.96	77.82	80.84	82.31	83.48	—	55.34	56.65	58.60	59.85	60.68
July 2 „ 15	—	75.45	78.21	81.02	82.16	83.86	—	54.98	56.93	58.93	59.74	60.95
„ 16 „ 29	73.57	75.73	78.07	80.92	82.51	83.91	53.64	55.17	56.83	58.86	59.99	61.00
„ 30 Aug. 12	73.43	75.80	78.07	81.14	82.32	83.90	53.54	55.22	56.83	59.01	59.85	61.00
Aug. 13 „ 26	73.40	75.85	78.16	81.22	81.89	83.72	53.52	55.26	56.89	59.07	59.55	60.80
Aug. 27 Sept. 9	73.39	75.84	77.13	80.67	81.65	84.02	53.51	55.25	56.16	58.68	59.38	61.10
Sept. 10 „ 23	73.22	75.80	78.56	80.02	81.71	83.54	53.39	55.22	57.18	58.22	59.42	60.70
„ 24 Oct. 7	72.82	75.62	77.87	80.94	80.87	83.81	53.11	55.10	56.69	58.87	58.82	60.90
Oct. 8 „ 21	72.87	75.74	78.43	80.37	81.25	85.07	53.14	55.18	57.09	58.47	59.09	61.80
„ 22 Nov. 4	73.08	74.98	78.45	80.19	81.30	84.33	53.29	54.64	57.10	58.34	59.13	61.30
Nov. 5 „ 18	72.95	74.94	78.31	80.61	80.77	84.38	53.20	54.61	57.00	58.64	58.75	61.30
„ 19 Dec. 2	73.12	74.80	78.57	80.57	81.00	84.23	53.32	54.51	57.19	58.61	58.92	61.20
Dec. 3 „ 16	73.41	75.39	78.01	80.34	81.00	84.38	53.53	54.93	56.79	58.45	58.92	61.30
„ 17 „ 31	73.10	75.15	77.47	80.51	80.91	83.66	53.31	54.76	56.40	58.57	58.85	60.80

The fortnightly periods in 1843 are counted from January 1 to January 13, January 14 to January 17, January 28 to February 13, &c., being one day earlier than in the other years, in consequence of Sunday happening to fall on the 14th and 28th January, 11th February, &c., in that year.

Secular Change of the Declination.—Table III. exhibits the annual increase of East Declination, obtained by comparing the fortnightly means in each year with those of the corresponding periods in the following year.

TABLE III.

Fortnightly Periods.	ANNUAL INCREASE OF EAST DECLINATION.				
	1843 to 1844.	1844 to 1845.	1845 to 1846.	1846 to 1847.	1847 to 1848.
Jan. 1 to Jan. 14	—	0'89	2'25	1'24	0'63
„ 15 „ 28	—	0'97	2'11	1'42	0'32
„ 29 Feb. 11	—	1'18	1'81	1'24	1'12
Feb. 12 „ 25	—	1'34	1'95	1'04	1'23
„ 26 Mar. 11	—	1'21	1'96	1'29	1'04
Mar. 12 „ 25	—	0'75	2'34	1'13	0'93
„ 26 April 9	—	1'30	2'07	1'19	0'26
April 10 „ 22	—	1'35	2'00	0'92	1'22
„ 23 May 6	—	1'46	2'34	0'72	0'85
May 7 „ 20	—	0'88	2'26	1'05	0'50
„ 21 June 3	—	1'40	1'92	1'12	0'81
June 4 „ 17	—	1'31	1'95	1'25	0'83
„ 18 July 1	—	1'95	2'00	0'81	1'21
July 2 „ 15	—	1'64	2'10	1'03	1'03
„ 16 „ 29	1'53	1'66	2'03	1'13	1'01
„ 30 Aug. 12	1'68	1'61	2'18	0'84	1'15
Aug. 13 „ 26	1'74	1'63	2'18	0'48	1'25
„ 27 Sept. 9	1'74	0'91	2'52	0'70	1'72
Sept. 10 „ 23	1'83	1'96	1'04	1'20	1'28
„ 24 Oct. 7	1'99	1'59	2'18	-0'05	2'08
Oct. 8 „ 21	2'04	1'91	1'38	0'62	2'71
„ 22 Nov. 4	1'35	2'46	1'24	0'79	2'17
Nov. 5 „ 18	1'41	2'39	1'64	0'11	2'55
„ 19 Dec. 2	1'19	2'68	1'42	0'31	2'28
Dec. 3 „ 16	1'40	1'86	1'66	0'47	2'38
„ 17 „ 31	1'45	1'64	2'17	0'28	1'95
Mean Annual Increase of East Declination }	1'61	1'54	1'95	0'86	1'33
	1'46				

We may hence conclude that the East Declination at Hobarton was increasing, at the period to which the table refers, at an average rate of about 1'46 in the year.

Annual Variation of the Declination.—Table IV. exhibits the differences obtained by taking the mean declination in each fortnight from the mean declination of the succeeding fortnight, during the period from July 1843 to December 1848. The final column shows the mean difference on the average of the five and half years, from fortnight to fortnight throughout the year. Table V. shows the mean increase or decrease of East Declination from fortnight to fortnight in the opposite seasons in each of the five years.

TABLE IV.

DATES.	INCREASE OR DECREASE OF EAST DECLINATION IN EACH FORTNIGHT.						Mean of the Years, from 1843 to 1848.
	1843	1844	1845	1846	1847	1848	
Jan. 1 to Jan. 14	—	+0.12	+0.20	+0.06	+0.24	-0.07	+0.11
" 15 " 28	—	+0.18	+0.39	+0.09	-0.09	+0.71	+0.26
" 29 Feb. 11	—	+0.19	+0.35	+0.49	+0.29	+0.40	+0.34
Feb 12 " 25	—	+0.28	+0.15	+0.16	+0.41	+0.22	+0.24
" 26 Mar. 11	—	+0.28	-0.18	+0.20	+0.04	-0.07	+0.05
Mar. 12 " 25	—	+0.03	+0.58	+0.31	+0.37	-0.30	+0.20
" 26 April 9	—	+0.10	+0.15	+0.08	-0.19	+0.77	+0.18
April 10 " 22	—	-0.19	-0.08	+0.26	+0.06	-0.31	-0.05
" 23 May 6	—	+0.80	+0.22	+0.14	+0.47	+0.12	+0.35
May 7 " 20	—	-0.34	+0.18	-0.16	-0.09	+0.22	-0.04
" 21 June 3	—	-0.08	-0.17	-0.14	-0.01	+0.01	-0.08
June 4 " 17	—	-0.36	+0.28	+0.33	-0.11	+0.27	+0.08
" 18 July 1	—	+0.22	-0.09	+0.01	+0.23	+0.05	+0.09
July 2 " 15	—	-0.03	-0.01	-0.08	+0.02	0.00	-0.02
" 16 " 29	-0.10	+0.05	0.00	+0.15	-0.14	0.00	-0.01
" 30 Aug. 12	-0.02	+0.04	+0.06	+0.06	-0.30	-0.20	-0.06
Aug. 13 " 26	-0.01	-0.01	-0.73	-0.39	-0.17	+0.30	-0.17
" 27 Sept. 9	-0.12	-0.03	+1.02	-0.46	+0.04	-0.40	+0.01
Sept. 10 " 23	-0.28	-0.12	-0.49	+0.65	-0.60	+0.20	-0.11
" 24 Oct. 7	+0.03	+0.08	+0.40	-0.40	+0.27	+0.90	+0.21
Oct. 8 " 21	+0.15	-0.54	+0.01	-0.13	+0.04	-0.50	-0.16
" 22 Nov. 4	-0.09	-0.03	-0.10	+0.30	-0.38	0.00	-0.05
Nov. 5 " 18	+0.12	-0.10	+0.19	-0.03	+0.17	-0.10	+0.04
" 19 Dec. 2	+0.21	+0.42	-0.40	-0.16	0.00	+0.10	+0.03
Dec. 3 " 16	-0.22	-0.17	-0.39	+0.12	-0.07	-0.50	-0.20
" 17 " 31	+0.66	+0.10	+0.71	-0.22	+0.13	+0.39	+0.29
Jan. 1 " 14							

TABLE V.

Mean Fortnightly Increase or Decrease of East Declination in the opposite Seasons.

YEARS.	September 24 to March 11.	March 26 to September 9.
1843—1844	+ 0'15	+ 0'02
1844—1845	+ 0'08	- 0'02
1845—1846	+ 0'11	+ 0'02
1846—1847	+ 0'03	- 0'02
1847—1848	+ 0'13	+ 0'11
Mean . .	+ 0'10	+ 0'02

The East Declination at Hobarton appears therefore to be on the average somewhat greater in the months from October to February, inclusive, than in the months from April to August, inclusive. The mean fortnightly difference in the eleven fortnights from September 24th to March 11th, is an increase of 0'10 in each fortnight; and in the eleven fortnights from March 26th to September 9th, an increase of 0'02 in each fortnight. If we pursue the investigation into the separate years we find in each the same general indication, *viz.*, that the East Declination is greater from October to February than from April to August. As in compliance with universal custom the magnetic declination, whether in the Southern or in the Northern Hemisphere, is the declination of the *north* end of the magnet from the geographical north point, the annual variation indicated by the observations at Hobarton may be otherwise expressed by saying that the *south* end of the needle, or the end which dips below the horizon at Hobarton, points, on the average, somewhat more *westerly* when the sun is in the southern than when he is in the northern signs. The quantities are very small, but the indication is consistent.

Diurnal Variation of the Declination.—Table VI. exhibits the diurnal variation derived from the monthly means, from January 1841 to September 1848 inclusive. Table VII. exhibits, in one view, the mean diurnal variation in each month of the year, derived from the results in Table VI. Table VIII. exhibits the mean hourly position of the magnet in each month of the year relatively to its general mean position in the month; the sign + implies that the North end of the magnet is to the East, and – to the West of the mean position in the month. This Table supplies the equation to the mean position in the month, to be applied on account of the diurnal variation, to an observation made at any one of the hours of mean Göttingen time in any month of the year at Hobarton; the equation being derived from the mean of seven years and three-quarters of continuous hourly observation.

TABLE VI.

Diurnal Variation of the Declination in the several Months from January 1841 to September 1848, inclusive.

The lowest Monthly Mean occurring at any observation hour is taken as the Zero for the Month, and corresponds to the extreme

Mean Time at Van Diemen Island.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
JANUARY.	1841	8.59	11.30	12.28	11.57	9.94	8.79	7.37	6.34	5.94	4.84	3.93
	1842	7.44	9.82	10.25	9.64	8.78	7.91	6.94	6.16	5.98	5.18	4.26
	1843	7.55	9.76	10.07	9.27	8.17	7.06	6.30	6.10	5.77	5.30	5.33
	1844	7.92	10.12	10.49	9.50	8.94	8.09	7.25	6.47	5.53	5.42	4.68
	1845	7.63	10.02	11.12	10.41	9.57	8.39	7.12	6.26	5.20	5.86	4.48
	1846	9.32	11.89	12.87	12.31	11.10	9.58	8.18	7.04	6.80	6.23	5.67
	1847	7.51	9.62	10.54	9.77	8.99	8.05	7.15	6.63	6.11	5.76	4.71
	1848	12.39	15.43	16.05	14.72	13.09	11.44	10.12	9.38	8.65	8.96	8.12
Reduced Mean	8.49	10.94	11.66	10.85	9.77	8.61	7.50	6.75	6.20	5.89	5.10	
FEBRUARY.	1841	7.14	8.75	9.20	8.85	8.04	6.72	6.04	5.42	5.20	4.40	3.41
	1842	7.85	9.81	10.42	10.04	8.82	7.24	5.94	5.12	4.59	4.16	2.98
	1843	6.95	9.41	10.54	10.13	9.00	7.73	6.49	5.83	5.55	4.91	4.38
	1844	6.02	9.54	11.64	12.26	11.00	9.25	7.40	6.54	5.95	4.65	4.06
	1845	5.81	9.15	11.17	11.60	11.06	9.22	7.67	6.41	6.02	5.05	4.23
	1846	8.90	11.39	12.37	11.69	10.06	8.56	7.47	6.64	6.19	5.59	5.73
	1847	8.04	11.38	13.06	12.81	11.35	9.84	8.58	7.29	7.03	6.35	5.57
	1848	10.40	14.43	16.14	15.80	14.06	12.03	9.90	8.33	8.58	7.86	5.89
Reduced Mean	7.62	10.46	11.80	11.63	10.40	8.80	7.42	6.43	6.12	5.35	4.51	
MARCH.	1841	7.26	9.26	9.86	9.36	7.29	5.72	5.07	4.61	3.64	3.06	2.61
	1842	6.72	8.70	9.15	9.02	7.70	6.27	5.20	4.11	3.68	3.70	2.98
	1843	5.37	7.48	8.61	8.42	7.16	5.52	4.91	4.65	4.08	3.63	3.35
	1844	5.82	8.26	9.32	8.95	7.68	6.13	4.33	3.52	2.30	2.01	1.46
	1845	4.25	6.80	8.45	8.69	7.38	5.82	4.72	3.67	2.67	3.10	2.36
	1846	7.24	9.74	11.13	11.10	9.33	7.38	6.43	5.80	5.30	4.54	4.53
	1847	5.50	7.47	8.87	8.44	7.42	6.16	5.12	4.15	3.76	3.33	2.83
	1848	7.74	10.55	11.84	12.12	10.64	8.69	7.14	7.33	5.86	5.19	4.60
Reduced Mean	6.01	8.23	9.33	9.50	8.07	6.45	5.36	4.97	3.90	3.56	3.08	
APRIL.	1841	3.84	6.07	6.97	6.55	5.52	4.65	3.10	2.47	1.80	1.55	0.89
	1842	4.18	5.91	6.38	6.42	4.76	3.75	3.27	2.49	1.23	0.00	0.87
	1843	3.76	5.39	6.05	5.92	5.09	3.90	2.84	1.78	1.47	0.52	0.95
	1844	3.78	5.48	6.31	5.81	4.72	3.91	3.13	1.87	1.33	0.29	0.02
	1845	4.31	6.43	7.60	7.12	6.02	4.91	4.32	3.72	3.08	2.46	1.76
	1846	4.94	7.38	8.19	8.03	6.62	4.82	4.01	3.30	3.17	2.29	1.14
	1847	4.47	6.86	7.94	7.41	6.39	5.71	4.38	3.30	2.16	1.95	1.48
	1848	5.97	8.50	9.65	9.72	8.45	6.94	6.41	4.95	4.01	3.83	2.39
Reduced Mean	4.28	6.37	7.26	6.99	5.82	4.69	3.80	2.87	2.15	1.48	1.07	

DIURNAL VARIATION OF THE DECLINATION.

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TABLE VI.

Diurnal Variation of the Declination in the several Months from January 1841 to September 1848, inclusive.

Westerly position of the North end of the Magnet. The hours are those of Mean Solar Time, astronomical reckoning.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
3.92	4.19	3.22	3.59	3.86	3.50	2.74	1.54	0.06	0.00	0.31	2.29	5.23
3.99	4.27	4.10	4.07	4.15	4.18	3.10	2.15	0.54	0.00	0.22	1.98	4.38
5.28	5.01	4.90	4.67	4.61	4.25	3.64	2.06	0.62	0.00	0.91	2.82	5.07
4.83	4.63	4.32	4.41	4.65	4.68	3.58	2.09	0.23	0.00	0.50	2.22	4.76
3.98	3.32	3.69	4.04	4.04	3.83	3.18	2.21	0.83	0.18	0.00	1.95	4.54
5.60	5.77	6.27	6.21	6.21	5.84	4.56	3.37	1.64	0.00	0.97	2.93	6.09
4.80	4.46	4.26	4.13	4.30	3.89	3.64	2.57	0.94	0.25	0.00	1.55	4.19
7.61	7.40	8.28	7.44	7.01	6.54	5.32	4.08	1.71	0.00	0.40	3.83	7.93
4.95	4.83	4.58	4.77	4.80	4.54	3.67	2.46	0.75	0.00	0.36	2.40	5.22
2.81	2.12	3.20	2.51	3.00	2.93	2.40	0.99	0.00	0.42	0.15	2.36	5.45
2.97	3.27	3.69	4.03	2.83	3.19	3.59	2.95	2.05	0.21	0.00	1.93	4.86
3.69	3.77	4.13	4.59	4.96	4.67	4.44	3.42	2.06	0.58	0.00	1.73	4.33
3.69	4.21	4.64	4.78	5.18	5.28	5.08	4.42	3.15	0.98	0.00	0.38	2.91
3.93	3.51	3.69	4.09	4.84	5.03	4.76	4.25	3.22	1.58	0.00	0.52	2.82
5.15	4.67	4.92	5.40	5.41	5.54	4.98	4.10	2.39	0.55	0.00	1.93	5.67
4.92	5.56	6.39	6.11	6.61	6.35	5.57	4.69	2.93	1.12	0.00	1.34	4.62
5.71	6.64	6.79	7.33	7.19	6.93	5.97	4.08	2.57	0.46	0.00	1.91	5.26
4.11	4.20	4.66	4.84	4.98	4.97	4.58	3.59	2.28	0.72	0.00	1.49	4.47
1.94	2.72	3.03	2.89	3.47	3.72	3.16	2.53	1.50	0.00	0.05	1.54	4.44
2.72	2.93	3.46	3.92	4.17	4.03	3.42	3.49	2.15	0.48	0.00	1.21	4.10
3.07	2.90	2.89	3.71	3.17	2.97	3.05	2.86	2.00	0.79	0.00	0.81	2.85
1.52	2.57	2.73	3.18	3.46	3.56	3.45	3.10	2.66	1.45	0.00	0.33	2.55
2.55	2.43	2.60	2.75	2.95	3.27	2.56	2.51	1.80	0.88	0.00	0.03	1.70
3.67	3.96	4.30	4.57	4.51	4.82	4.35	4.57	3.27	1.38	0.00	0.68	3.59
2.07	2.69	2.11	3.14	1.93	2.56	2.43	2.74	2.07	0.89	0.00	1.09	2.95
4.47	3.23	3.06	3.52	3.95	3.95	4.15	3.88	2.34	1.20	0.00	1.15	4.00
2.74	2.92	3.01	3.45	3.44	3.60	3.31	3.20	2.21	0.87	0.00	0.85	3.26
0.78	1.22	1.99	2.63	2.90	2.40	2.53	2.71	1.56	0.79	0.00	0.19	1.82
1.21	0.92	2.36	2.97	3.07	2.81	2.99	3.00	1.97	0.58	0.36	0.40	2.18
0.62	0.36	1.44	2.00	2.19	1.53	1.87	2.24	2.05	0.98	0.00	0.04	1.57
0.00	0.64	1.02	2.57	2.81	3.05	2.85	2.34	2.08	0.82	0.21	0.27	1.85
1.79	2.20	2.70	2.68	2.84	3.27	2.81	2.73	1.83	0.94	0.00	0.16	2.13
1.58	1.70	2.27	2.67	3.00	2.65	2.71	2.47	2.44	1.13	0.00	0.19	1.83
0.00	1.22	2.16	2.43	3.12	3.10	3.63	2.87	2.20	1.32	0.47	0.38	2.19
1.87	2.05	2.88	3.48	3.86	3.69	3.53	3.22	2.76	1.22	0.00	0.52	3.04
0.85	1.16	1.97	2.55	2.87	2.68	2.74	2.57	1.98	0.84	0.00	0.14	1.95

TABLE VI.—*Diurnal Variation of the Declination in the several Months*

Mean Time at Van Diemen Island.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
MAY.	1841	2.43	4.33	5.07	5.30	4.72	3.39	2.52	1.51	0.82	0.56	0.43
	1842	2.09	3.98	4.48	4.42	3.64	2.89	2.78	2.13	0.65	0.53	0.31
	1843	1.61	3.50	4.34	4.47	3.31	2.69	2.03	1.68	1.48	1.05	0.94
	1844	2.14	3.55	3.96	3.83	3.30	2.41	2.12	1.39	1.02	0.59	0.03
	1845	1.94	3.76	4.63	4.56	3.92	3.00	2.66	2.29	1.87	1.17	0.82
	1846	2.72	4.34	4.99	5.13	4.48	3.06	2.62	1.71	0.80	0.00	0.13
	1847	2.36	4.19	4.92	4.97	5.13	3.59	3.33	1.81	1.79	0.68	0.56
	1848	2.80	5.00	5.85	6.15	4.97	3.67	3.67	1.86	1.83	0.55	0.22
Reduced Mean	1.97	3.79	4.49	4.56	3.89	2.80	2.43	1.51	0.99	0.35	0.14	
JUNE.	1841	1.81	2.96	3.59	3.66	3.36	2.36	2.09	1.71	1.07	0.07	0.00
	1842	1.61	3.02	3.98	3.97	3.10	1.81	1.73	1.53	0.94	0.62	0.19
	1843	1.78	2.81	3.37	3.55	2.71	1.92	1.76	1.31	1.00	0.87	0.66
	1844	1.35	2.43	2.92	2.93	2.37	1.58	1.42	1.29	0.82	0.21	0.25
	1845	1.19	2.48	3.10	3.34	2.69	1.92	1.53	1.44	0.65	0.05	0.43
	1846	2.34	3.67	4.16	4.45	3.62	2.78	2.56	1.46	1.01	0.53	0.00
	1847	1.24	2.89	4.09	4.27	3.49	2.37	2.04	1.57	1.07	0.51	0.09
	1848	1.93	4.01	5.32	5.70	4.56	3.38	3.10	2.68	2.00	1.30	1.00
Reduced Means	1.38	2.75	3.54	3.70	2.96	1.99	1.75	1.34	0.79	0.24	0.05	
JULY.	1841.	2.41	3.88	4.90	5.10	4.10	3.00	2.11	1.58	1.19	0.11	0.00
	1842	2.26	3.37	4.22	4.47	4.05	3.32	2.20	2.07	0.33	0.00	0.45
	1843	3.15	4.49	5.38	5.11	4.35	3.32	2.91	2.11	1.40	0.82	0.18
	1844	1.80	3.22	4.07	4.42	3.85	2.87	2.44	2.34	1.32	0.75	0.72
	1845	1.26	2.66	3.69	4.09	3.63	2.75	2.45	2.02	1.23	1.14	0.66
	1846	2.48	3.83	4.40	4.89	3.63	3.29	1.84	2.14	1.65	0.04	0.15
	1847	1.54	3.26	4.43	4.71	3.77	2.88	2.50	2.18	1.34	1.11	0.50
	1848	2.29	5.25	6.76	7.50	6.46	4.90	5.17	4.29	3.18	2.03	1.53
Reduced Means	1.72	3.32	4.30	4.61	3.80	2.86	2.27	1.91	1.03	0.32	0.09	
AUGUST.	1841	2.93	4.38	5.33	5.68	5.19	4.03	2.87	2.17	1.33	1.01	0.36
	1842	2.19	3.78	4.84	5.28	4.47	3.12	2.67	2.19	1.74	0.95	0.96
	1843	2.15	3.51	4.61	4.54	4.08	3.05	2.77	2.16	1.09	0.79	0.69
	1844	2.25	4.18	5.52	5.87	5.52	4.13	2.93	2.75	2.51	1.64	0.58
	1845	1.85	3.49	4.94	5.50	5.37	4.25	3.61	2.80	2.15	1.26	1.15
	1846	2.01	3.84	4.76	5.92	5.13	4.57	3.22	2.46	0.97	1.32	0.55
	1847	2.71	5.09	6.43	7.41	6.95	5.72	4.57	4.29	3.23	2.36	2.17
	1848	2.76	5.48	8.13	8.99	8.57	6.41	5.80	5.49	4.33	3.24	2.95
Reduced Means	2.10	3.96	5.31	5.89	5.40	4.15	3.30	2.78	1.91	1.31	0.92	

DIURNAL VARIATION OF THE DECLINATION.

from January 1841 to September 1848, inclusive—continued.

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

TABLE VI.—*Diurnal Variation of the Declination in the several Months*

Mean Time at Van Diemen Island.}	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
SEPTEMBER.	1841	4·67	6·46	7·70	7·75	6·66	5·58	4·10	2·94	2·11	2·47	1·77
	1842	3·94	5·87	7·29	7·24	6·38	4·73	3·61	2·78	1·31	1·29	1·11
	1843	4·76	6·42	7·24	7·05	6·21	4·98	4·05	2·78	1·83	1·90	1·87
	1844	4·52	6·50	7·60	7·84	5·94	5·09	4·04	3·88	3·10	2·38	2·44
	1845	4·38	6·13	7·20	7·51	6·88	4·99	4·25	3·77	2·45	2·00	1·16
	1846	3·42	5·98	7·76	8·32	7·63	6·28	3·47	3·30	3·11	1·95	1·09
	1847	4·83	8·13	9·94	10·48	9·33	8·03	6·20	5·74	4·44	2·95	3·03
	1848	5·55	8·91	10·81	11·18	9·84	8·31	6·95	6·39	5·40	5·13	4·13
Reduced Means	4·33	6·62	8·01	8·24	7·18	5·82	4·40	3·77	2·79	2·33	1·90	
OCTOBER.	1841	7·29	9·66	10·51	10·13	9·17	7·50	5·95	4·92	3·93	3·09	2·29
	1842	7·46	9·71	9·66	9·48	8·07	6·62	5·60	4·81	4·05	3·45	2·57
	1843	6·73	8·92	9·30	8·67	7·56	6·06	4·95	4·27	2·64	2·19	2·61
	1844	7·28	9·60	10·32	9·76	8·14	6·75	5·54	4·91	3·75	3·47	2·78
	1845	7·48	9·63	10·63	9·99	8·69	7·14	6·18	5·38	4·70	4·00	3·70
	1846	5·78	8·33	10·27	10·35	9·05	7·04	5·49	4·50	4·18	3·06	2·86
	1847	10·63	14·55	16·60	15·99	13·77	11·27	10·04	8·54	8·37	7·17	6·22
	Reduced Means	7·49	10·03	11·01	10·59	9·18	7·45	6·22	5·30	4·49	3·75	3·26
NOVEMBER.	1841	7·87	10·75	11·53	11·52	10·10	8·82	7·19	5·95	4·55	3·51	2·58
	1842	8·37	10·67	11·60	10·48	9·10	7·87	6·28	5·55	4·87	4·68	3·25
	1843	7·82	10·35	11·04	10·33	9·19	7·51	6·06	5·57	5·13	4·62	4·17
	1844	6·88	8·84	9·86	9·24	8·75	7·49	6·23	5·23	4·36	2·91	3·52
	1845	8·66	11·50	12·47	11·72	10·45	8·44	6·98	6·00	5·68	4·99	4·86
	1846	8·09	11·13	11·95	11·11	9·79	7·94	6·72	5·94	5·06	5·01	4·37
	1847	11·38	14·60	16·07	15·87	14·27	11·70	9·90	8·94	8·64	7·61	7·00
	Reduced Means	8·42	11·10	12·05	11·45	10·22	8·52	7·03	6·15	5·45	4·74	4·23
DECEMBER.	1841	7·66	10·13	11·50	11·37	10·32	8·73	7·55	6·37	5·62	5·28	4·89
	1842	7·29	9·20	9·95	9·76	9·07	7·85	6·55	5·87	5·67	5·01	4·57
	1843	7·43	9·88	11·03	11·02	10·42	9·13	7·56	6·28	5·72	5·50	4·93
	1844	7·11	9·25	10·47	10·40	9·47	8·31	6·93	5·80	5·16	4·69	4·22
	1845	9·54	12·36	13·44	12·72	11·31	9·68	8·21	7·20	6·38	5·08	4·54
	1846	10·03	12·61	13·14	12·13	10·61	8·83	7·83	7·33	6·92	6·70	6·30
	1847	9·59	12·85	14·06	13·66	12·52	10·75	9·05	8·35	6·89	7·79	6·22
	Reduced Means	8·25	10·77	11·81	11·45	10·40	8·91	7·54	6·61	5·92	5·59	4·97

DIURNAL VARIATION OF THE DECLINATION.

from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
1.60	2.29	2.66	2.68	3.06	3.65	3.68	3.12	2.46	1.12	0.00	0.62	2.46
0.89	1.36	1.58	2.17	2.57	3.10	2.82	2.52	1.56	0.73	0.00	0.43	1.97
1.64	1.71	2.35	3.00	3.10	3.14	3.03	2.48	1.66	0.39	0.00	0.70	2.46
1.95	1.78	2.46	2.71	3.23	3.84	3.87	3.59	3.06	1.87	0.62	0.00	2.26
1.36	1.19	1.42	1.54	2.79	2.93	3.02	2.91	2.12	0.77	0.00	0.27	2.08
0.00	0.80	1.38	1.31	1.48	2.76	3.07	3.04	3.24	2.02	0.85	0.57	1.11
1.09	1.35	2.57	2.00	3.47	3.25	3.76	4.52	4.10	1.24	0.00	0.10	1.79
4.02	4.06	3.98	4.51	4.76	5.08	5.16	4.77	3.62	2.08	0.00	0.54	2.33
1.39	1.64	2.12	2.31	2.88	3.29	3.37	3.19	2.55	1.10	0.00	0.22	1.88
2.38	2.40	3.33	4.20	3.39	4.02	4.08	2.71	1.63	0.01	0.00	1.41	4.07
2.91	2.39	2.78	3.77	4.34	4.21	3.47	3.15	1.57	0.00	0.04	1.40	4.32
2.60	2.90	3.73	3.37	3.66	3.66	3.28	2.69	1.51	0.12	0.00	1.26	3.96
2.55	3.19	3.54	3.49	3.71	4.05	4.00	3.12	1.52	0.23	0.00	1.51	4.23
3.45	2.95	3.03	3.49	3.95	3.68	3.37	2.61	1.02	0.00	0.15	1.80	4.54
1.78	2.61	2.29	4.00	3.97	4.16	3.73	3.49	1.97	0.40	0.00	1.20	3.02
5.40	6.55	6.91	7.71	7.38	7.93	7.90	6.91	3.58	1.20	0.00	2.43	6.28
2.98	3.25	3.63	4.26	4.31	4.50	4.23	3.50	1.80	0.25	0.00	1.54	4.32
3.17	3.20	3.91	4.47	4.62	4.59	4.03	2.83	1.97	0.31	0.00	1.72	4.25
3.40	3.61	4.21	4.49	4.40	4.20	3.60	2.42	1.08	0.19	0.00	2.25	5.45
4.54	4.25	4.10	4.03	4.32	4.44	3.68	2.90	1.31	0.06	0.00	2.02	4.67
2.66	2.85	3.40	3.42	3.37	3.42	2.78	2.01	0.86	0.00	0.06	1.97	4.23
4.70	4.44	4.18	4.59	5.23	4.89	4.03	3.09	1.41	0.00	0.03	1.97	5.06
4.36	4.44	4.60	4.59	4.64	4.33	3.38	2.36	0.65	0.00	0.06	1.68	4.70
6.27	7.30	7.46	8.38	7.95	7.31	6.09	9.96	2.57	0.46	0.00	2.49	7.27
4.14	4.28	4.53	4.83	4.91	4.72	3.92	3.63	1.39	0.13	0.00	1.99	5.07
3.95	3.23	4.08	3.59	4.35	4.03	3.62	2.98	1.38	0.46	0.00	1.88	4.86
4.25	3.64	3.96	4.35	4.18	4.22	3.43	2.16	0.76	0.00	0.08	1.51	4.20
4.22	4.53	4.67	4.97	4.69	4.39	4.11	2.87	1.89	0.21	0.00	1.68	4.31
3.48	3.48	2.99	3.49	3.69	3.78	3.89	3.00	1.03	0.00	0.06	1.56	3.96
4.94	5.00	4.70	4.61	4.81	5.67	4.41	3.11	1.45	0.00	0.36	2.27	6.08
6.09	6.02	6.11	5.99	6.26	5.81	4.50	3.10	1.27	0.00	0.45	3.22	6.70
7.04	5.93	5.93	5.65	5.52	4.83	4.13	4.05	1.60	0.21	0.00	2.62	5.09
4.72	4.42	4.93 57	4.53	4.66	4.55	3.88	2.91	1.21	0.00	0.01	1.98	4.90

TABLE VII.

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

Van Diemen Island } Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
January . . .	8·49	10·94	11·66	10·85	9·77	8·61	7·50	6·75	6·20	5·89	5·10	4·95
February . . .	7·62	10·46	11·80	11·63	10·40	8·80	7·42	6·43	6·12	5·35	4·51	4·11
March . . .	6·01	8·23	9·33	9·50	8·07	6·45	5·36	4·97	3·90	3·56	3·08	2·74
April . . .	4·28	6·37	7·26	6·99	5·82	4·69	3·80	2·87	2·15	1·48	1·07	0·85
May . . .	1·97	3·79	4·49	4·56	3·89	2·80	2·43	1·51	0·99	0·35	0·14	0·05
June . . .	1·38	2·75	3·54	3·70	2·96	1·99	1·75	1·34	0·79	0·24	0·05	0·00
July . . .	1·72	3·32	4·30	4·61	3·80	2·86	2·27	1·91	1·03	0·32	0·09	0·00
August . . .	2·10	3·96	5·31	5·89	5·40	4·15	3·30	2·78	1·91	1·31	0·92	0·47
September . . .	4·33	6·62	8·01	8·24	7·18	5·82	4·40	3·77	2·79	2·33	1·90	1·39
October . . .	7·49	10·03	11·01	10·59	9·18	7·45	6·22	5·30	4·49	3·75	3·26	2·98
November . . .	8·42	11·10	12·05	11·45	10·22	8·52	7·03	6·15	5·45	4·74	4·23	4·14
December . . .	8·25	10·77	11·81	11·45	10·40	8·91	7·54	6·61	5·92	5·59	4·97	4·72

Van Diemen Island } Time.	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
January . . .	4·83	4·58	4·77	4·80	4·54	3·67	2·46	⁸⁵ 0·57	0·00	0·36	2·40	5·22
February . . .	4·20	4·66	4·84	4·98	4·97	4·58	3·59	2·28	0·72	0·00	1·49	4·47
March . . .	2·92	3·01	3·45	3·44	3·60	3·31	3·20	2·21	0·87	0·00	0·85	3·26
April . . .	1·16	1·97	2·55	2·87	2·68	2·74	2·57	1·98	0·84	0·00	0·14	1·95
May . . .	0·27	0·97	1·28	1·69	1·86	1·69	1·47	1·32	0·87	0·20	0·00	0·53
June . . .	0·21	0·49	0·97	1·37	1·42	1·33	1·31	1·37	1·22	0·66	0·14	0·34
July . . .	0·14	0·54	0·89	1·36	1·59	1·61	1·62	1·72	1·46	0·60	0·07	0·51
August . . .	0·80	0·96	1·55	1·90	2·25	2·29	2·37	2·34	1·74	0·58	0·00	0·56
September . . .	1·64	2·12	2·31	2·88	3·29	3·37	3·19	2·55	1·10	0·00	0·22	1·88
October . . .	3·25	3·63	4·26	4·31	4·50	4·23	3·50	1·80	0·25	0·00	1·54	4·32
November . . .	4·28	4·53	4·83	4·91	4·72	3·92	3·63	1·39	0·13	0·00	1·99	5·07
December . . .	4·42	4·93 ₅₇	4·53	4·66	4·55	3·88	2·91	1·21	0·00	0·01	1·98	4·90

DIURNAL VARIATION OF THE DECLINATION.

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TABLE VIII.

Exhibits the Mean Hourly Position of the Magnet in each Month of the Year, relatively to its general Mean Position in the Month; the sign + implies, that the North end of the Magnet is to the East, and - to the West of the mean position in the month.

Van Diemen Island } Mean Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
January . . .	+ 2.85	+ 5.30	+ 6.02	+ 5.21	+ 4.13	+ 2.97	+ 1.86	+ 1.11
February . . .	+ 1.98	+ 4.82	+ 6.16	+ 5.99	+ 4.76	+ 3.16	+ 1.78	+ 0.79
March . . .	+ 1.78	+ 4.00	+ 5.10	+ 5.27	+ 3.84	+ 2.22	+ 1.13	+ 0.74
April . . .	+ 1.40	+ 3.49	+ 4.38	+ 4.11	+ 2.94	+ 1.81	+ 0.92	- 0.01
May . . .	+ 0.34	+ 2.16	+ 2.86	+ 2.93	+ 2.26	+ 1.17	+ 0.80	- 0.12
June . . .	+ 0.07	+ 1.44	+ 2.23	+ 2.39	+ 1.65	+ 0.68	+ 0.44	+ 0.03
July . . .	+ 0.12	+ 1.72	+ 2.70	+ 3.01	+ 2.20	+ 1.26	+ 0.67	+ 0.31
August . . .	- 0.18	+ 1.68	+ 3.03	+ 3.61	+ 3.12	+ 1.87	+ 1.02	+ 0.50
September . . .	+ 0.94	+ 3.23	+ 4.62	+ 4.85	+ 3.79	+ 2.43	+ 1.01	+ 0.38
October . . .	+ 2.60	+ 5.14	+ 6.12	+ 5.70	+ 4.29	+ 2.56	+ 1.33	+ 0.41
November . . .	+ 2.88	+ 5.56	+ 6.51	+ 5.91	+ 4.68	+ 2.98	+ 1.49	+ 0.61
December . . .	+ 2.63	+ 5.15	+ 6.19	+ 5.83	+ 4.78	+ 3.29	+ 1.92	+ 0.99

Van Diemen Island } Mean Time.	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
January . . .	+ 0.56	+ 0.25	- 0.54	- 0.69	- 0.81	- 1.06	- 0.87	- 0.84
February . . .	+ 0.48	- 0.29	- 1.13	- 1.53	- 1.44	- 0.98	- 0.80	- 0.66
March . . .	- 0.33	- 0.67	- 1.15	- 1.49	- 1.31	- 1.22	- 0.78	- 0.79
April . . .	- 0.73	- 1.40	- 1.81	- 2.03	- 1.72	- 0.91	- 0.33	- 0.01
May . . .	- 0.64	- 1.28	- 1.49	- 1.58	- 1.36	- 0.66	- 0.35	+ 0.06
June . . .	- 0.52	- 1.07	- 1.26	- 1.31	- 1.10	- 0.82	- 0.34	+ 0.06
July . . .	- 0.57	- 1.28	- 1.51	- 1.60	- 1.46	- 1.06	- 0.71	- 0.24
August . . .	- 0.37	- 0.97	- 1.36	- 1.81	- 1.48	- 1.32	- 0.73	- 0.38
September . . .	- 0.60	- 1.06	- 1.49	- 2.00	- 1.75	- 1.27	- 1.08	- 0.51
October . . .	- 0.40	- 1.14	- 1.63	- 1.91	- 1.64	- 1.26	- 0.63	- 0.58
November . . .	- 0.09	- 0.80	- 1.31	- 1.40	- 1.26	- 1.01	- 0.71	- 0.63
December . . .	+ 0.30	- 0.03	- 0.65	- 0.90	- 1.20	- 0.69	- 1.09	- 0.96

Van Diemen Island } Mean Time.	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
January . . .	- 1.10	- 1.97	- 3.18	- 4.37	- 5.64	- 5.28	- 3.24	- 0.42
February . . .	- 0.67	- 1.06	- 2.05	- 3.36	- 4.92	- 5.64	- 4.15	- 1.17
March . . .	- 0.63	- 0.92	- 1.03	- 2.02	- 3.36	- 4.23	- 3.38	- 0.97
April . . .	- 0.20	- 0.14	- 0.31	- 0.90	- 2.04	- 2.88	- 2.74	- 0.93
May . . .	+ 0.23	+ 0.06	- 0.16	- 0.31	- 0.76	- 1.43	- 1.63	- 1.10
June . . .	+ 0.11	+ 0.02	0.00	+ 0.06	- 0.09	- 0.65	- 1.17	- 0.97
July . . .	- 0.01	+ 0.01	+ 0.02	+ 0.12	- 0.14	- 1.00	- 1.53	- 1.09
August . . .	- 0.03	+ 0.01	+ 0.09	+ 0.06	- 0.54	- 1.70	- 2.28	- 1.72
September . . .	- 0.10	- 0.02	- 0.20	- 0.84	- 2.29	- 3.39	- 3.17	- 1.51
October . . .	- 0.39	- 0.66	- 1.39	- 3.09	- 4.64	- 4.89	- 3.35	- 0.57
November . . .	- 0.82	- 1.62	- 1.91	- 4.15	- 5.41	- 5.54	- 3.55	- 0.47
December . . .	- 1.07	- 1.74	- 2.71	- 4.41	- 5.62	- 5.61	- 3.64	- 0.72

The experience gained by the discussion to which the diurnal variation of the declination at St. Helena and the Cape of Good Hope has been subjected in the first volume of the St. Helena Observations, and in a communication published in the Philosophical Transactions, would naturally suggest an arrangement of the diurnal variation in the different months of the year, into two groups, according as the sun is in the northern or the southern signs; and a cursory examination of the preceding Tables is sufficient to show that there are distinctive features in the different months at Hobarton, which would of themselves indicate the propriety of such a classification. Omitting the months of March and September, because neither of those months belongs wholly to either group, the diurnal variations of the other ten months are collected in the following table into two groups, one comprehending from April to August inclusive, and the other from October to February inclusive; a mean diurnal variation being taken corresponding to each period of five months.

TABLE IX.

Diurnal Variation of the Declination, arranged according to the Sun's position, in the Northern or Southern signs;—exhibiting, first, the Mean Diurnal Variation from April to August inclusive; second, from October to February inclusive; third, for March; and, fourth, for September, in each of which intermediate months the Sun is partly in the Northern and partly in the Southern signs.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
April to August	2' 22	3' 97	4' 91	5' 08	4' 30	3' 23	2' 64	2' 01	1' 30	0' 67	0' 38	0' 20
October to February }	7' 98	10' 59	11' 60	11' 12	9' 92	8' 39	7' 07	6' 18	5' 57	4' 99	4' 34	4' 11
March . . .	6' 01	8' 23	9' 33	9' 50	8' 07	6' 45	5' 36	4' 97	3' 90	3' 56	3' 08	2' 74
September .	4' 33	6' 62	8' 01	8' 24	7' 18	5' 82	4' 40	3' 77	2' 79	2' 33	1' 90	1' 39
Van Diemen Island Time. }	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
April to August	0' 45	0' 92	1' 38	1' 77	1' 89	1' 86	1' 80	1' 68	1' 16	1' 34	0' 00	0' 71
October to February }	4' 13	1' 40	4' 58	4' 66	4' 59	3' 99	3' 15	1' 42	0' 15	0' 00	1' 81	4' 73
March . . .	2' 92	3' 01	3' 45	3' 44	3' 60	3' 31	3' 20	2' 21	0' 87	0' 00	0' 85	3' 26
September .	1' 64	2' 12	2' 31	2' 88	3' 29	3' 37	3' 19	2' 55	1' 10	0' 00	0' 22	1' 88

If we compare the mean diurnal variation of the respective groups, we find a marked distinction between them in two respects, *viz.*, in the greater range of the variation in October to February than in April to August, (the mean monthly range in October to February being 11' 60, and in April to August 5' 08); and, in the earlier occurrence, generally, of the turning periods, whether from easterly to westerly movement or the converse, in the October to February, than in the April to August period

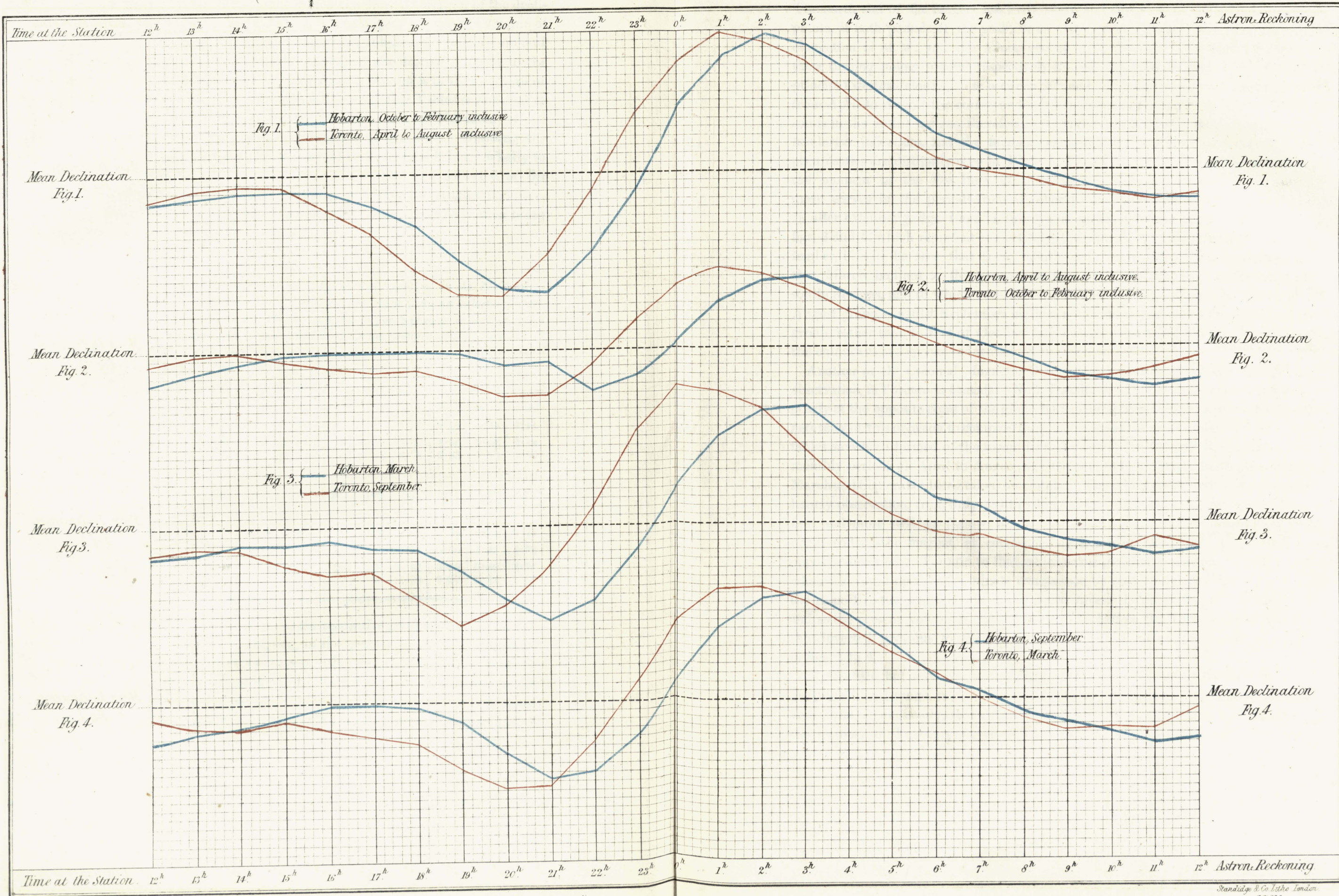
Diurnal Variation of the Magnetic Declination, Hobarton and Toronto.

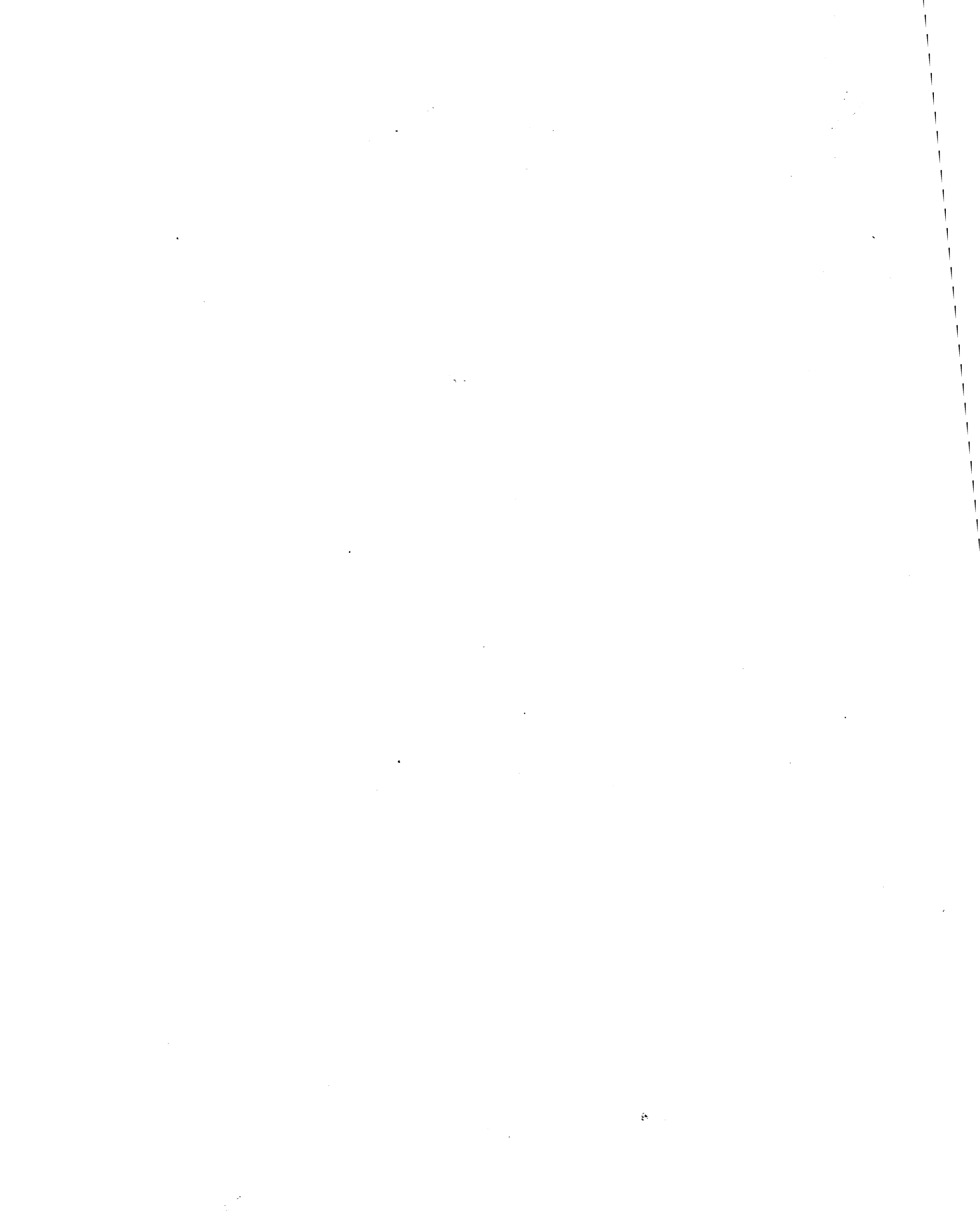
Scale 0^m 25 to 1' of Arc.

↓ North End of the Magnet moving towards the West at Hobarton and towards the East at Toronto. ↓
 ↑ North End of the Magnet moving towards the East at Hobarton and towards the West at Toronto. ↑

Scale 0^m 25 to 1' of Arc.

Plate I.





The north end of the magnet has two eastern and two western elongations, or turning points, at both periods of the year; from October to February the principal eastern elongation is at 2^h., and the minor one at 15^h.; from April to August the hours of these turning points become respectively 3^h. and 16^h.; from October to February the principal western elongation is between 20^h. and 21^h., and the minor one at 11^h., whilst from April to August the corresponding phenomena occur at 22^h. and 11^h. When the sun is in the southern signs, therefore, the curve representing the mean diurnal variation has larger inflections, and the turning points are for the most part earlier. These peculiarities are distinctly seen in Plate I., Figs. 1 and 2 (confining the attention for the moment to the *blue* lines in these figures, which represent respectively the mean curves in the periods from October to February, and from April to August). If, after examining figs. 1 and 2, the eye is directed to the corresponding curves in figs. 3 and 4, which represent respectively the diurnal variation for March and September, it will be seen that these months are clearly of intermediate character, and that March inclines to the group from October to February, when the sun is in the southern signs, and to which two-thirds of its days belong, rather than to the April to August group,—whilst September inclines in a similar manner to the April to August group, rather than to that of October to February; affording additional evidence that the equinoxes are epochs influential on the phenomena.

Another of the Colonial Magnetic Observatories, conducted on the same system of observation, is Toronto in Canada. Now Toronto being situated in relation to Hobarton nearly at the opposite point of the globe, both geographically and magnetically, it occurs naturally on this occasion to compare the phenomena at the two stations. For this purpose tables have been formed of the mean diurnal variation at Toronto, during the two five-monthly periods of April to August, and October to February inclusive, the months of March and September being taken separately. The tables are derived from five years of hourly observation, from July 1842 to June 1847. In entering on the comparison, the first and most striking feature is the well-known one, that the movement of the north end of the magnet, at corresponding hours of local time, is usually in the opposite direction at Toronto to that which takes place at Hobarton. For this reason, when we would make more minute comparison by means of curves drawn to represent the respective phenomena, it is desirable to invert the curve at one of the stations; and as the present volume is appropriated to Hobarton, the Toronto curves have been thus inverted previous to their insertion in Plate I., where they are drawn in *red* in figs. 1 to 4.

The feature that next presents itself is, that the curve of greatest inflexion, namely, the greatest diurnal range, takes place at Toronto and Hobarton at opposite periods of the year; and, consequently, that the curve of April to August at Toronto is analogous to the October to February curve at Hobarton, and the converse; and further, that

March at Toronto is the analogous month to September at Hobarton, and September at Toronto to March at Hobarton.

If now we examine the curves thus brought together according to their analogies, we cannot but be forcibly struck with the remarkable resemblance in the forms of each pair of curves. The two curves of each figure would indeed be almost coincident, were it not for the fact which becomes thus prominently shown, that the turning points or periods are earlier at Toronto than at Hobarton.

It has been shown in the first volume of the St. Helena Observations, that the diurnal variation between the hours of 14 and 22 at that island corresponds, in respect to the direction in which the magnet moves in the months from April to August, with the phenomena of the Northern Hemisphere, and from October to February with those of the Southern Hemisphere; and it may here be recalled to notice,—as a circumstance deserving of consideration in connexion with the earlier occurrence of the turning periods at Toronto in the Northern Hemisphere, than at Hobarton in the Southern Hemisphere,—that during the months in which the direction of the diurnal movement at St. Helena corresponds to the march of the phenomena in the Northern Hemisphere, the turning period is an hour earlier than in the months when the direction of the movement is reversed, and corresponds to that which prevails in the Southern Hemisphere. From April to August inclusive, at St. Helena, the magnet attains its extreme easterly elongation at 19^{h.}, and from October to February inclusive its extreme westerly elongation at 20^{h.} At the Cape of Good Hope also, where the same inversion takes place in the direction of the motion of the magnet between 14^{h.} and 22^{h.} as at St. Helena, (the direction corresponding to that of the Northern Hemisphere from April to August inclusive, and to that in the Southern Hemisphere from October to February inclusive,) the period of extreme elongation, easterly in the one case, and westerly in the other, is an hour earlier when the direction corresponds with the march of the phenomena in the Northern Hemisphere, than when it corresponds with that of the Southern.

HORIZONTAL FORCE.

In Absolute Measure.—The auxiliary apparatus, recommended in the Revised Instructions of the Royal Society to be employed in observations of the absolute horizontal force, was not received at Hobarton till 1843. The record of the earlier observations, made with the magnet of the bifilar magnetometer, (and attended always with the inconvenience of interrupting the series, and of impairing, if not of breaking, the connexion of the differential observations both of the bifilar and of the declinometer,) is now of use chiefly in showing the much greater precision obtained in the results, when a separate apparatus and magnets of smaller dimensions, producing larger angles of deflection at proportionate distances, were substituted for the instruments and methods originally

directed. The results obtained with this apparatus in June 1843 with a 12-inch magnet, are a decided improvement on the previous results obtained with magnets of 15 inches, but the angles of deflection were still too small, and the discrepancies in the partial results were still excessive. By the substitution in the same apparatus of a bar of 9·18 inches in length for that of 12 inches, the angles of deflection at proportionate distances were nearly doubled, and the discrepancies in the partial results were so much reduced that, considering also the number of repetitions, we may regard the mean results in August 1843, in January and July 1844, and the monthly series with the same magnet from September 1845 to March 1847, as satisfactory determinations. In 1844 magnets of 3·67 inches, of 3 inches, and of 2·45 inches in length, with suitable apparatus prepared at Woolwich, reached Hobarton, and were taken into use, commencing in December 1844. With these magnets, the angles of deflection at proportionate distances were greatly increased in comparison with those produced by the 9·18 inch bar, and the agreement of the partial results with each other was considerably greater than before.

The magnet which has been since principally employed in these determinations is A 23, a solid cylinder of 3 inches in length, used with a suspended magnet of 2·45 inches. Results were obtained with it in December 1844, January, May, and August 1845; and in January 1846 a monthly series was commenced, which has been subsequently continued without intermission, and already forms a very valuable record. The series next in extent and regularity is one with D xv., a solid cylinder of 3·67 inches, employed with a suspended magnet of 3 inches. Results were obtained with D xv. in December 1844, January, May, and August 1845, and in every month of 1846; since which time its use has been discontinued, and a double monthly series has been made with A 23.

The results with these three magnets, viz., the rectangular bar of 9·18 inches, and the cylinders of 3·67, and 3 inches, are those from which the conclusions to be now drawn must principally be made; but we have also a few determinations in 1844 and 1845 with A 19 and A 29, solid cylinders of 3 inches used with suspended magnets of 2·45 inches, and with D 9 and D xvi. solid cylinders of 3·67 inches used with suspended magnets of 3 inches, in which the angles of deflection were sufficiently large to give satisfactory results. There are also a few determinations with the collimator magnets of a portable declinometer, but these are of inferior value, and need not be further discussed. Collecting in one view the several results which have been described as satisfactory, we have as follows :—

TABLE X.

First Period, August 1843 to December 1845.

DATE.	Bar 9·18 in.		A 23		D xv		A 19		A 29		D 9		D xvi	
	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.
1843														
August . .	10	4·4840	-	-	-	-	-	-	-	-	-	-	-	-
1844														
January (in- cluding Nov. to May) . .	19	4·4820	-	-	-	-	-	-	-	-	-	-	-	-
July (includ- ing April to November) .	19	4·4817	-	-	-	-	-	-	-	-	-	-	-	-
December . .	-	-	11	4·5054	13	4·5100	15	4·4879	-	-	-	-	-	-
1845														
January . .	-	-	5	4·5082	5	4·5058	5	4·4809	-	-	-	-	3	4·4940
May	-	-	3	4·4970	3	4·4996	-	-	-	-	3	4·5076	-	-
August . . .	-	-	5	4·4994	5	4·4762	5	4·4905	5	4·5006	5	4·5103	4	4·4970
September .	3	4·4810	-	-	-	-	-	-	-	-	-	-	-	-

*Second Period, January 1846 to March 1847.**Third Period, April 1847 to December 1848.*

DATE.	Bar 9·18		A 23		D xv		DATE.	A 23		DATE.	A 23	
	No. of Deter.	H. F.	No. of Deter.	H. F.	No. of Deter.	H. F.		No. of Deter.	H. F.		No. of Deter.	H. F.
1846							1847			1848		
January . .	3	4·4770	3	4·4964	3	4·5080	April . .	6	4·4863	January . .	6	4·4874
February . .	-	-	3	4·5082	3	4·5100	May . . .	6	4·4886	February . .	6	4·4927
March . . .	3	4·4732	3	4·4914	3	4·5029	June . . .	6	4·4918	March . . .	6	4·4917
April	3	4·4669	3	4·4858	3	4·5070	July . . .	6	4·4913	April	6	4·4826
May	3	4·4714	3	4·4939	3	4·5092	August . .	6	4·4908	May	6	4·4879
June	3	4·4684	3	4·4864	3	4·5001	September	6	4·4910	June	6	4·4857
July	3	4·4606	3	4·4903	3	4·5251	October . .	6	4·4852	July	6	4·4842
August . . .	3	4·4654	3	4·4925	3	4·5070	November	4	4·4810	August . . .	6	4·4866
September .	3	4·4677	3	4·4915	3	4·5060	December	6	4·4922	September .	6	4·4904
October . . .	3	4·4652	3	4·4842	3	4·5019				October . . .	6	4·4835
November . .	3	4·4866	3	4·4941	3	4·5045				November . .	10	4·4864
December . .	3	4·4816	3	4·4946	3	4·5012				December . .	8	4·4896
1847												
January . .	3	4·4751	3	4·4957	-	-						
February . .	3	4·4927	3	4·4944	-	-						
March	3	4·4770	3	4·4754	-	-						

SUMMARY.				Mean.
Bar	9·18,	93 determinations	. . . .	4·4783
„	A 23,	199	„	4·4891
„	D xv,	62	„	4·5047
„	A 19,	25	„	4·4870
„	A 29,	5	„	4·5006
„	D 9,	8	„	4·5093
„	D xvi,	7	„	4·4955

Making in all 399 monthly determinations; the arithmetical means of the 399 results is 4·4895, which may be regarded as corresponding in epoch to about the middle of the year 1846. This value is not corrected for the slight difference in the magnetic moment of the deflecting magnet in its two positions, *viz.*, of coincidence with the magnetic meridian when its vibrations are observed, and of perpendicularity (or nearly so) to the meridian when used in the experiments of deflection. This correction appears to differ in amount in different magnets, but will probably be very inconsiderable with the greater part at least of the magnets used at Hobarton, as experiments made at Woolwich with magnets of similar material and dimensions to A 23, A 19, and A 29, and furnished by the same maker, have shown that the ratio of the induction force, when at its maximum, to the permanent magnetic moment, does not exceed ·00045 to 1. This would correspond to a subtractive correction to the horizontal force of about ·0006.

It will be seen that the differences between the mean results with the different magnets are much more considerable than between the results of repetitions with one and the same magnet. It is probable that this may be occasioned by slight inaccuracies in the determinations of the constants for each magnet, and that the differences which now appear may be removed, in part at least, by a subsequent re-examination of the constants; but it does not seem likely that the value of the horizontal force for the mean epoch of the observations, which has been derived by means of so many magnets, and by such multiplied determinations, will have to undergo any further material modification.

The series with A 23 affords, by its regularity and extent, a fair opportunity of estimating the degree of precision with which (apart from constant errors) the determination of the absolute horizontal force is made at the Observatory at Hobarton, by a magnet of that length (3·00 inches), employed in a portable unifilar. If we regard each monthly result between January 1846 and December 1848 as a distinct determination, each possessing an equal weight, and if we assume that the horizontal force remained constant throughout the period, we obtain \pm ·0037 as the probable error of one such monthly determination. But as this probable error, besides the effect of irregular variations by which we know it must have been in some degree influenced

(and which, in the present state of our knowledge, cannot be altogether separated from it), may also have included the effect of secular change and annual variation, of which the first at least may be eliminated, we shall be able to resume the consideration of its more correct amount with more advantage when the secular change has been investigated.

Secular Change.—The consecutive monthly series with A 23, commencing in January 1846 and ending in December 1848, furnishes 36 equations of the form $X = X' + a y$, in which X is the most probable value of the horizontal force on the 1st of July 1847; X' the observed horizontal force in any other month; a the interval in months between the date of X' and July 1847; and y the monthly secular change. Regarding each of the monthly determinations as of equal weight, the 36 equations treated by the method of least squares give $X = 4.4895$, the most probable value of the horizontal force on the 1st of July 1847; and $y = +.000224$, or $12 y = .0027 =$ the mean annual decrease in the horizontal force in the years 1846, 1847, and 1848.

When corrections have been applied to the mean monthly determinations with A 23, from January 1846 to December 1848, for the value of the secular change thus obtained, we find that the general mean of the series of 36 monthly determinations (4.4895) has a probable error of $\pm .0006$, and that the probable error of a single monthly determination is $\pm .0034$.

In reviewing the series with A 23, it cannot fail to be remarked, that there are two of the monthly determinations, *viz.*, February 1846 and March 1847, which, in comparison with the general body of the results, present discordances scarcely to be deemed otherwise than excessive, and which wear the appearance of having been occasioned by some cause or causes not falling within the category of ordinary error of observation. The February result is in excess, and the March is in defect. If we were to omit these two results, we should obtain from the remaining 34 determinations, the probable error of a single monthly determination = $\pm .0025$.

Annual Variation.—A consecutive series of monthly determinations, such as that with A 23, in which the same deflecting magnet, distances, &c., have always been used, and in which changes in the method of observation, by which the intercomparability of the results might be endangered, have been carefully avoided, is well suited for this investigation, and cannot fail, if persevered in for a sufficient time, to furnish ultimately most satisfactory conclusions. The series, so far as it has at present reached England, extends only to 36 months, or 3 years; and short as this period may be for the derivation of

an annual variation, we may already infer from it the general fact, that in the months in which the sun is in the southern signs, the horizontal force at Hobarton is greater than in the months in which the sun is in the northern signs. The values of the horizontal force in each month, on the average of the 3 years, when corrected for the secular change obtained as above, and omitting February 1846, and March 1847, on account of excessive discordance, are as follows:—

April . . 4·4843	October . 4·4851
May . . 4·4899	November . 4·4882
June . . 4·4879	December . 4·4933
July . . 4·4887	January . 4·4920
August . 4·4903	February . 4·4939
September. 4·4916	March . . 4·4907
4·4888	4·4905
Difference . . . 0017	

If we divide the year into three periods, each of four months, regarding March and April, September and October, as transition months in respect to season, we have this characteristic more strongly marked.

November, December, January, February . Sun in the Northern signs .	Mean. }	4·4918
May, June, July, August. Sun in the Southern signs .		4·4892
		0·0026
	Difference .	

The principal anomalies present themselves, as we might expect, in the transition months. The degree in which any of the months are anomalous may be expected to diminish as the series is extended; but if it should prove that there are particular months more subject than others to actual irregularities in the force, occasioned by the magnetic disturbances, those months may always be more liable than others to present anomalies in the deduction of annual variation.

Bifilar Magnetometer.—The Bifilar Magnetometer was of the construction described in pages 24 and 25 of the Report of the Royal Society, having a lens and collimator scale attached to the magnet. The adjustments were made on all occasions conformably to the instructions contained in that report. The magnetometer and telescope were fixed in September 1840 on separate stone pillars, and have not since been moved. The necessary adjustments were then made and the observations commenced, the record being taken up in this volume from the 1st of January 1841. In accordance with the original instructions of the Royal Society, the magnetic moment of the bar was determined at the beginning of every month, from September 1840, to April 1842; but the monthly removal of the bar from the stirrup was found at Hobarton, as elsewhere, to be attended with the inconvenience of breaking the con-

nexion of the scale readings, although the magnet was taken out of its stirrup and replaced as carefully as possible.

On the 1st of April 1842, the magnetometer was re-adjusted, and the magnet suffered to remain undisturbed until July 1843, when it was removed for the purpose of ascertaining the coefficient in the temperature correction. The instrument was re-adjusted on the 27th of that month, and in addition to the external casing described in the introduction, the cylindrical box was lined with gilt paper, and enveloped in several coverings of blanket, leaving only small apertures for the light to pass to the collimator, and for the stem of the thermometer. Since that period no general re-adjustment of the magnetometer has taken place; but in March 1846, the torsion circle was turned for the purpose of bringing the magnet back to what had been its original scale reading, when adjusted at right angles to the meridian in April 1843. From the date of the adjustment in April 1843, the mean reading of the scale had progressively increased from month to month, until in March 1846, the accumulated displacement in the direction of the magnet amounted to above 70 scale divisions. By turning the torsion circle (which was done on the 31st of March 1846), the magnet was brought back approximately to its original scale reading; and by comparative readings with a small bifilar, before and after the torsion circle was moved, the alteration caused in the reading was ascertained to be 75·5 scale divisions. The increase in the readings subsequently continued, though at a diminished rate from the average of the previous period; and upon referring to the monthly means in the still earlier period, anterior to July 1843, when the instrument was also undisturbed, *i. e.*, from April 1842 to July 1843, it will be seen that during that period also the scale readings were undergoing a progressive increase. Theoretically, the position of the bifilar magnet is liable to be affected by two causes only, *viz.*, by a change in the magnetic moment of the bar, or by a change in the horizontal force itself. With reference to the first of these two causes, the increase of the scale readings observed at Hobarton would correspond with an *increase* in the magnetism of the bar, which is not a probable occurrence; and with reference to the second, the increase in the readings would denote an increase in the horizontal force, whereas the absolute determinations show that the terrestrial horizontal force diminished from year to year, during the period under consideration. There is a third source indeed by which the position of the bifilar magnet is affected, namely, by variations in the temperature of the bar; but these are periodical, and form therefore a series which returns into itself, and can afford no explanation of changes which progress continually in the same direction through several successive years.

Captain Kay surmises that a gradual elongation of the suspension wire may have taken place, but has hitherto been unwilling to disturb the series for the purpose of a closer examination, or of experiment; but whatever may be the cause, the effect has

been to render the bifilar observations wholly unsuitable for deductions either of the secular change or of annual variation, and to restrict their use to changes of shorter period, such as the diurnal variation, and the irregular disturbances.

It may be proper to mention that the scale readings of the Toronto bifilar, which like the Hobarton instrument, has been undisturbed for some years, have sustained a similar increase, although at Toronto also the terrestrial horizontal force is shown by the absolute determinations to have undergone a small annual diminution.

The values of the scale coefficients ascertained in the customary manner ($k = a \cot v$, a being in this case = $\cdot 0003142$) were as follows for the periods included between the several adjustments, *viz.* :—

From September 1840, to January 30th, 1842, determined in September 1840, and verified in January 1842.	$\cdot 000303$
From January 30th, 1842, to February 7th, 1842	$\cdot 000145$
From February 7th, 1842 ,, April 1st, 1842	$\cdot 000130$
From April 1st, 1842 ,, July 4th, 1843	$\cdot 000120$
From July 17th, 1843 ,, July 27th, 1843	$\cdot 000230$
From July 27th, 1843 ,, December 31st, 1848 (the most recently received Returns)	$\cdot 000229$

Temperature coefficient of the Bifilar Bar.—The temperature coefficient (q) of the bar employed in the bifilar magnetometer was determined in July 1843, the magnetometer being dismantled for the purpose. As the portable instruments which have been found such valuable auxiliaries on such occasions had not at that time reached Hobarton, a large unifilar magnetometer was employed; and as it was then supposed to be a necessary condition in the experiment, that the deflecting magnet should be placed at a distance not less than four times its own length from the suspended magnet, the angle of deflection was much smaller than would have been the case had the experiment been made later. Since July 1843 the bifilar magnetometer has remained untouched, so that no subsequent opportunity has occurred of verifying the value thus obtained, which has been accordingly employed in reducing the observations contained in this volume.

The experiments were performed in the following manner:—the unifilar magnetometer having been adjusted, the bifilar bar was fixed in a copper trough, which was placed on the east side of the unifilar apparatus, and in such a position that the magnet forming the subject of the experiment should be in the same horizontal plane with the magnet suspended in the unifilar, and that the distance between the centres of both should be about four feet; water at a low temperature was then poured into the trough, and the effect upon the suspended magnet observed, a thermometer placed near the magnet being observed at the same time. The cold water was then drawn off and warm substituted, and the same process of observation pursued. In this manner the

deflections produced by the bifilar bar at temperatures alternating between about 47° and 100° were registered.

The declination magnetometer in the Observatory was read simultaneously with each observation, and the changes of declination occurring during the progress of the experiment were obtained and allowed for. The changes of horizontal force shown by the bifilar during the experiment were also observed.

The coefficient sought, or the change of magnetic moment for 1° of temperature of the bar, was calculated by the formula

$$g = \frac{1}{t - t_0} \cdot \frac{d}{n - (n_0)} + \frac{1}{t - t_0} \cdot \frac{\Delta \times}{\times}$$

where d = difference of scale readings between each alternation of temperature corrected for intermediate changes of declination.

„ $t - t_0$ = the corresponding difference of temperature.

„ $\frac{\Delta \times}{\times}$ = the corresponding changes of horizontal intensity.

and $n - (n_0)$ = the number of scale divisions through which the magnet was deflected,

The following were the results thus obtained:—

TABLE XI.

No.	Date.	Temperatures varying between	Values of g .
	1843	° °	
1	July 6	51 and 91	·000210
2	„ 8	47 „ 85	·000204
3	„ 8	57 „ 98	·000272
4	„ 10	54 „ 95	·000280
5	„ 10	58 „ 95	·000096
6	„ 11	52 „ 97	·000212
7	„ 11	52 „ 92	·000223
8	„ 11	54 „ 91	·000288
9	„ 12	49 „ 92	·000243
10	„ 14	46 „ 89	·000199
11	„ 14	52 „ 92	·000217
12	„ 15	47 „ 95	·000211
13	„ 15	56 „ 95	·000246

The arithmetical mean is ·000224, and if we omit the 4th, 5th, and 8th as presenting extreme differences, we have still ·000224 as the mean.

This result required a further correction for the effects of temperature upon the suspending wires (of silver), and upon the wheel and screw (of brass), which determine their interval; their dimensions being altered by a variation of temperature occasioned likewise an alteration in the amount of the directive force. If e denote the coefficient of expansion of brass and e' that of silver, the whole effect of temperature upon the bifilar magnetometer will be corrected by taking as the coefficient $q + 2e - e'$ instead of q . The numerical value of $2e - e'$ may be taken as $\cdot 000010$, therefore the temperature coefficient of the bifilar bar employed at Hobarton is $\cdot 000224 + \cdot 000010 = 000234$.

Diurnal Variation.—Tables XII., XIII., and XIV. exhibit the diurnal variation derived from the monthly means of the bifilar magnetometer from January 1841 to September 1848, reduced to a uniform temperature of the magnet, and expressed in parts of the horizontal force. The lowest monthly mean occurring at any of the observation hours has been taken as the zero of the month, and corresponds to the weakest force. (See Tables XII., XIII., and XIV., in pp. xlvi—liii.)

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

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

Mean Time at Van Diemen Island. Astron. Reckoning.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.	1841	097	166	210	278	284	266	239	221	216	173	177
	1842	052	109	149	177	185	193	175	157	194	151	134
	1843	027	067	107	133	131	128	118	121	121	119	112
	1844	029	056	112	133	135	138	135	132	128	125	122
	1845	030	092	147	183	198	201	191	189	190	158	169
	1846	056	109	171	206	213	207	181	163	177	171	162
	1847	040	091	134	170	185	182	174	158	164	168	163
	1848	075	135	237	284	312	325	303	275	252	262	245
Reduced Mean		050	102	157	194	204	204	188	176	179	165	160
FEBRUARY.	1841	088	135	184	213	216	270	186	195	198	174	166
	1842	070	117	147	173	173	175	163	163	155	125	126
	1843	028	062	107	142	165	166	153	156	141	141	140
	1844	020	051	113	167	184	192	194	164	193	189	190
	1845	045	075	131	180	207	221	217	220	218	212	222
	1846	043	093	151	183	210	197	190	181	192	180	174
	1847	009	059	117	157	192	203	190	194	176	179	163
	1848	027	073	160	223	255	276	263	244	247	240	216
Reduced Mean		034	076	132	173	193	206	187	183	183	173	168
MARCH.	1841	081	123	164	221	205	221	201	205	199	191	185
	1842	026	072	101	123	121	135	120	133	133	110	105
	1843	035	069	118	150	157	171	161	167	168	165	164
	1844	020	056	098	124	150	154	153	157	170	165	158
	1845	000	036	068	102	119	120	123	123	141	131	137
	1846	025	077	128	160	185	182	184	195	189	209	189
	1847	012	050	093	112	137	136	134	152	144	152	160
	1848	005	064	109	162	190	185	200	216	213	199	191
Reduced Mean		020	062	104	138	152	157	153	163	164	159	155
APRIL.	1841	010	035	075	114	133	141	130	124	111	108	132
	1842	000	019	055	081	103	103	088	091	090	085	099
	1843	001	020	050	074	070	091	091	097	098	103	101
	1844	000	028	045	075	073	105	103	096	097	102	117
	1845	000	014	045	082	102	112	130	135	129	138	136
	1846	000	020	065	102	124	146	153	152	171	167	173
	1847	000	032	082	128	146	130	131	132	138	163	154
	1848	000	033	092	135	160	186	167	181	196	204	192
Reduced Mean		000	024	063	098	113	126	123	125	128	133	137

DIURNAL VARIATION OF THE HORIZONTAL FORCE.

from January 1841 to September 1848 inclusive, in parts of the Horizontal Force.

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

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
155	163	140	126	112	111	106	103	061	064	050	000	056
072	092	086	079	096	074	071	065	042	040	006	000	020
106	107	093	096	084	077	073	065	052	022	007	000	010
130	126	118	109	109	107	109	092	074	045	016	000	009
174	157	154	164	156	138	141	131	095	062	015	000	053
161	161	176	167	145	143	132	139	113	063	028	002	000
150	143	140	131	132	127	128	129	101	073	040	008	000
243	234	226	212	209	221	216	223	165	097	027	000	013
148	147	141	135	129	124	121	117	087	057	023	000	019
158	112	111	105	104	111	087	083	050	028	000	003	034
120	124	116	111	105	091	106	093	053	035	002	000	019
135	128	131	127	127	123	126	119	108	077	032	007	000
188	179	182	187	189	176	177	168	167	148	102	038	000
221	209	202	199	202	204	204	204	171	162	101	034	000
184	190	163	165	165	167	160	154	126	070	021	000	001
176	166	168	168	161	154	163	174	160	115	054	011	000
179	187	214	216	244	221	191	210	166	119	058	013	000
163	155	154	153	155	149	145	144	118	087	039	006	000
155	159	165	164	152	153	136	122	103	079	056	000	048
100	099	099	091	088	095	085	077	052	038	016	000	002
180	156	152	157	155	151	154	140	136	115	083	037	000
163	200	175	176	169	168	164	165	140	123	084	021	000
151	139	128	130	132	130	123	128	123	105	070	022	000
189	192	181	187	181	176	180	183	159	130	073	012	000
155	143	141	153	150	155	157	147	130	102	047	017	000
203	199	190	197	196	202	196	195	170	134	076	021	000
156	155	148	151	147	148	143	139	121	097	057	010	000
118	091	089	078	075	067	066	058	058	052	034	009	000
081	096	090	095	093	098	089	107	110	073	037	016	000
100	091	100	089	105	100	109	099	097	068	056	026	000
100	108	113	097	109	105	114	109	099	092	051	014	006
124	119	127	123	129	127	122	121	130	099	055	024	001
141	161	168	169	175	167	169	177	159	130	085	036	005
153	149	167	166	180	185	181	191	166	126	089	046	008
194	178	187	198	191	170	191	205	180	148	093	025	001
125	123	129	126	131	126	129	132	124	097	062	023	002

TABLE XII.—*Diurnal Variation of the Horizontal Force in the*

Mean Time at Van Diemen Island, Astron. Reckoning.)		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
MAY.	1841	000	017	021	056	079	087	070	061	056	058	031
	1842	000	025	058	100	130	154	154	161	136	031	016
	1843	000	001	017	050	060	094	101	104	100	107	093
	1844	003	000	010	033	050	074	070	073	072	065	062
	1845	000	000	015	045	075	088	087	088	078	074	071
	1846	011	000	022	041	070	096	091	088	092	096	099
	1847	000	004	011	050	080	052	059	051	057	087	082
	1848	000	017	022	056	076	097	096	109	107	106	109
Reduced Mean		000	006	020	052	075	091	089	090	085	076	068
JUNE.	1841	005	000	010	032	044	049	043	033	035	020	024
	1842	000	009	009	016	030	042	049	050	044	047	052
	1843	000	007	030	063	087	088	083	079	073	070	072
	1844	005	000	008	036	059	063	062	046	042	039	036
	1845	004	000	010	028	049	052	050	043	038	036	035
	1846	003	000	017	043	066	083	078	070	087	090	077
	1847	012	000	016	045	069	081	079	083	084	083	088
	1848	011	000	021	055	060	092	101	099	091	099	098
Reduced Mean		003	000	013	038	056	067	066	061	062	059	058
JULY.	1841	000	008	024	058	065	075	067	064	056	044	040
	1842	000	016	023	034	046	061	067	061	050	043	042
	1843	000	015	057	088	105	119	099	109	071	074	071
	1844	003	000	020	048	069	073	067	052	049	044	050
	1845	005	000	018	035	057	062	056	055	054	036	054
	1846	010	000	004	030	038	057	056	055	047	054	060
	1847	000	000	021	050	069	083	089	081	079	073	075
	1848	000	000	032	083	135	145	147	135	138	131	125
Reduced Mean		000	003	023	051	071	082	079	074	066	060	063
AUGUST.	1841	000	001	032	052	052	055	028	039	059	030	029
	1842	000	013	018	040	061	073	079	074	063	054	063
	1843	000	017	026	048	066	081	073	059	069	067	077
	1844	000	001	028	051	079	087	083	076	082	075	104
	1845	010	000	022	046	068	070	071	077	065	069	082
	1846	007	000	032	051	075	088	103	120	113	090	103
	1847	007	000	027	058	089	093	091	097	094	096	088
	1848	013	000	026	069	114	138	152	144	146	151	153
Reduced Mean		001	000	022	048	072	082	081	082	082	075	083

DIURNAL VARIATION OF THE HORIZONTAL FORCE.

several Months from 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
054	051	062	066	069	065	068	077	073	080	066	049	016
023	024	022	029	026	019	031	044	046	039	023	020	014
089	076	084	079	079	070	085	088	091	090	070	046	015
067	064	076	070	077	072	078	093	093	081	055	031	021
070	088	085	074	093	101	095	097	103	104	080	048	014
116	104	109	111	110	108	121	109	114	099	072	036	023
073	083	079	087	090	091	094	100	101	094	065	037	012
106	110	117	123	126	135	140	139	136	120	080	034	011
073	073	077	078	082	081	087	091	093	086	062	036	014
021	022	031	028	031	033	030	031	033	036	028	020	008
043	035	036	035	040	038	049	051	054	052	041	037	018
064	065	071	075	072	082	083	087	093	094	089	062	018
033	038	055	048	058	060	069	075	076	080	078	062	027
038	039	042	042	041	041	047	054	056	062	061	046	020
084	094	094	101	099	100	114	113	116	122	111	080	060
078	068	066	078	082	084	089	095	101	109	101	067	047
096	095	098	104	107	105	105	114	124	121	101	067	035
055	055	060	062	064	066	071	075	080	083	074	053	027
031	043	054	063	066	062	061	068	068	075	065	053	021
048	038	058	057	058	057	066	075	083	095	089	063	028
071	079	089	101	104	125	136	115	113	109	106	089	067
055	061	060	062	058	060	070	078	083	118	092	063	030
050	046	049	047	049	057	058	070	077	088	082	061	037
066	075	076	071	082	083	081	090	099	103	095	060	023
076	077	086	087	088	089	099	100	101	111	087	063	020
147	142	134	139	136	161	151	157	156	157	136	095	038
066	068	074	076	078	085	088	092	096	105	092	066	031
034	028	042	044	037	061	077	071	055	052	043	032	004
062	055	071	067	069	077	077	085	086	095	089	067	034
062	070	053	072	069	073	090	077	077	078	076	051	019
068	078	080	078	095	100	098	092	116	112	101	038	033
061	066	058	075	063	074	080	089	097	104	100	064	035
102	098	102	110	119	127	128	135	143	135	122	101	064
110	105	099	115	117	116	125	133	141	135	122	085	041
142	149	157	155	161	163	164	162	169	169	146	092	048
076	077	079	085	087	095	101	102	106	106	096	062	031

TABLE XII.—*Diurnal Variation of the Horizontal Force in the*

Mean Time at Van Diemen Island, Astron. Reckoning.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
SEPTEMBER.	1841	014	057	086	106	100	115	106	109	092	082	083
	1842	000	028	057	060	067	066	073	065	050	059	075
	1843	000	025	050	079	075	082	088	080	081	085	085
	1844	000	015	041	071	099	093	091	091	088	087	100
	1845	001	019	051	076	093	091	083	092	100	096	094
	1846	000	007	053	081	097	092	076	076	062	062	101
	1847	000	019	064	119	137	158	158	166	183	186	163
	1848	000	019	065	120	158	160	150	158	160	166	160
Reduced Mean	000	022	056	087	101	105	101	103	100	101	106	
OCTOBER.	1841	046	109	153	181	175	167	144	149	156	145	127
	1842	040	096	134	167	153	151	152	146	142	123	131
	1843	022	075	117	152	153	144	136	137	149	139	147
	1844	019	077	113	148	171	157	139	129	142	123	112
	1845	040	080	223	137	151	140	140	132	142	133	116
	1846	000	036	093	117	146	155	158	135	149	153	157
	1847	035	108	189	226	264	291	240	239	222	197	189
	Reduced Mean	025	079	142	157	169	168	154	148	153	141	136
NOVEMBER.	1841	049	125	161	195	189	190	169	162	139	105	109
	1842	057	113	161	177	179	169	158	165	152	142	138
	1843	038	091	136	150	158	156	160	155	161	156	159
	1844	036	085	123	141	148	147	145	139	133	139	125
	1845	030	097	143	180	192	189	187	170	168	157	150
	1846	052	108	174	202	204	202	188	187	195	191	193
	1847	041	121	176	230	265	280	256	254	251	246	243
	Reduced Mean	042	105	152	181	190	189	179	175	170	161	159
DECEMBER.	1841	074	139	184	228	229	226	200	189	175	144	137
	1842	017	071	091	120	141	135	116	116	123	122	114
	1843	030	077	113	134	142	137	139	139	122	117	120
	1844	026	080	126	143	152	161	157	158	159	159	155
	1845	059	131	189	222	248	237	218	204	192	175	163
	1846	057	122	123	224	225	212	196	184	162	173	164
	1847	059	155	242	292	298	287	290	289	278	271	310
	Reduced Mean	045	110	152	194	204	198	187	182	172	165	165

DIURNAL VARIATION OF THE HORIZONTAL FORCE.

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several Months from 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
086	085	082	065	059	055	060	072	067	046	025	006	000
082	090	097	083	080	086	089	090	093	082	050	024	000
115	119	097	106	099	099	103	098	090	077	054	031	011
105	093	100	101	094	099	101	104	112	095	072	041	010
085	087	092	091	096	094	101	108	107	089	058	026	000
079	084	069	086	113	101	107	111	103	098	082	048	011
127	140	122	193	088	105	126	152	117	112	047	043	016
160	163	157	163	163	171	181	179	168	146	104	049	016
103	106	100	109	097	099	107	112	105	091	059	032	006
132	109	098	111	117	102	084	086	075	061	024	000	005
135	129	127	116	123	133	138	139	112	079	044	000	009
145	127	129	129	129	125	129	135	117	089	049	007	000
117	125	136	120	131	137	143	131	109	083	040	015	000
121	121	122	114	120	120	122	126	110	078	029	000	001
147	161	148	149	150	148	169	147	133	108	061	034	012
199	205	156	172	173	175	188	195	189	121	046	011	000
138	136	127	136	131	130	135	133	117	084	038	006	000
138	129	121	102	101	095	102	096	078	059	016	000	018
135	130	136	138	129	134	131	126	107	075	031	000	000
153	155	163	142	142	140	137	140	125	086	040	005	000
127	130	148	134	126	110	110	106	095	066	026	000	008
161	174	162	148	144	149	156	145	127	089	020	004	000
183	179	167	166	165	161	160	160	124	093	034	000	002
227	232	225	233	238	233	245	222	175	132	054	000	001
160	160	159	151	148	145	148	141	118	085	031	000	003
113	113	113	101	097	091	082	083	062	045	021	000	026
103	096	091	096	080	081	076	075	063	054	021	008	000
126	112	104	109	106	105	100	098	089	047	008	000	004
140	121	131	122	114	109	113	107	096	065	046	000	001
166	177	161	160	156	153	157	156	119	091	024	006	004
166	162	161	165	167	156	149	143	114	071	040	000	015
264	246	227	145	149	183	169	168	142	079	018	000	009
153	146	142	127	123	124	120	118	097	064	024	000	007

TABLE XIII.

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

Mean Time Van Diemen Island. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	050	102	157	194	204	204	188	176	179	165	160	148
February . . .	034	076	132	173	193	206	187	183	183	173	168	163
March . . .	020	062	104	138	152	157	153	163	164	159	155	156
April . . .	000	024	063	098	113	126	123	125	128	133	137	125
May . . .	000	006	020	052	075	091	089	090	085	076	068	073
June . . .	003	000	013	038	056	067	066	061	062	059	058	055
July . . .	000	003	023	051	071	082	079	074	066	060	063	066
August . . .	001	000	022	048	072	082	081	082	082	075	083	076
September . .	000	022	056	087	101	105	101	103	100	101	106	103
October . . .	025	079	142	157	169	168	154	148	153	141	136	138
November . . .	042	105	152	181	190	189	179	175	170	161	159	160
December . . .	045	110	152	194	204	198	187	182	172	165	165	153
Mean . . .	018	049	087	118	133	140	132	130	129	122	122	118

Mean Time Van Diemen Island. }	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	147	141	135	129	124	121	117	087	057	023	000	019
February . . .	155	154	153	155	149	145	144	118	087	039	006	000
March . . .	155	148	151	147	148	143	139	121	097	057	010	000
April . . .	123	129	126	131	126	129	132	124	097	062	023	002
May . . .	073	077	078	082	081	087	091	093	086	062	036	014
June . . .	055	060	062	064	066	071	075	080	083	074	053	027
July . . .	068	074	076	078	085	088	092	096	105	092	066	031
August . . .	077	079	085	087	095	101	102	106	106	096	062	031
September . .	106	100	109	097	099	107	112	105	091	059	032	006
October . . .	136	127	136	131	130	135	133	117	084	038	006	000
November . . .	160	159	151	148	145	148	141	118	085	031	000	003
December . . .	146	142	127	123	124	120	118	097	064	024	000	007
Mean . . .	117	116	116	114	114	116	116	105	087	055	025	012

DIURNAL VARIATION OF THE HORIZONTAL FORCE.

TABLE XIV.

Exhibits the Mean Hourly Position of the Bifilar Magnet in each Month of the Year, relatively to its general mean position in the month; the sign + implies that the force is greater than in the mean position, and - that it is less.

Mean Time Van } Diemen Island. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	-077	-025	+030	+067	+077	+077	+061	+049
February . . .	-098	-056	000	+041	+061	+074	+055	+051
March . . .	-100	-058	-016	+018	+032	+037	+033	+043
April . . .	-100	-076	-037	-002	+013	+026	+023	+025
May . . .	-066	-060	-046	-014	+009	+025	+023	+024
June . . .	-051	-054	-041	-016	+002	+013	+012	+007
July . . .	-065	-062	-042	-014	+006	+017	+014	+009
August . . .	-071	-072	-050	-024	000	+010	+009	+010
September . . .	-083	-061	-027	+004	+018	+022	+018	+020
October . . .	-090	-036	+027	+042	+054	+053	+039	+033
November . . .	-089	-026	+021	+050	+059	+058	+048	+044
December . . .	-081	-016	+026	+068	+078	+072	+061	+056

Mean Time Van } Diemen Island. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	+052	+038	+033	+021	+020	+014	+008	+002
February . . .	+051	+041	+036	+031	+023	+022	+021	+023
March . . .	+044	+039	+035	+036	+035	+028	+031	+027
April . . .	+028	+033	+037	+025	+023	+029	+026	+031
May . . .	+019	+010	+002	+007	+007	+011	+012	+016
June . . .	+008	+005	+004	+001	+001	+006	+008	+010
July . . .	+001	-005	-002	+001	+003	+009	+011	+013
August . . .	+010	+003	+011	+004	+005	+007	+013	+015
September . . .	+017	+018	+023	+020	+023	+017	+026	+014
October . . .	+038	+026	+021	+023	+021	+012	+021	+016
November . . .	+039	+030	+028	+029	+029	+028	+020	+017
December . . .	+046	+039	+039	+027	+020	+016	+001	-003

Mean Time Van } Diemen Island. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	-003	-006	-010	-040	-070	-104	-127	-108
February . . .	+017	+013	+012	-014	-045	-093	-126	-132
March . . .	+028	+023	+019	+001	-023	-063	-110	-120
April . . .	+026	+029	+032	+024	-003	-038	-077	-098
May . . .	+015	+021	+025	+027	+020	-004	-030	-052
June . . .	+012	+017	+021	+026	+029	+020	-001	-027
July . . .	+020	+023	+027	+031	+040	+027	+001	-034
August . . .	+023	+029	+030	+034	+034	+024	-010	-041
September . . .	+016	+024	+029	+022	+008	-024	-051	-077
October . . .	+015	+020	+018	+002	-031	-077	-109	-115
November . . .	+014	+017	+010	-013	-046	-100	-131	-128
December . . .	-002	-006	-008	-029	-062	-102	-126	-119

The diurnal variation of the horizontal force in the different months at Hobarton may obviously be arranged, as in the case of the declination, into two groups, possessing distinctive characters; one comprehending the months from October to February inclusive, and the other from April to August inclusive; the equinoctial months of March and September have an intermediate character, and cannot, therefore, be properly placed in either group. The mean diurnal variation corresponding to each of the groups, is represented in Plate II., by the blue lines in figures 1 and 2. The range of the variation is nearly twice as great on the average of the months from October to February, as in those from April to August. In both periods of the year the force decreases during the hours of the forenoon, and increases in the hours of the afternoon; this decrease and subsequent increase constitute in fact the principal feature in the diurnal change. The period of minimum occurs nearly two hours earlier from October to February, than from April to August.

The red lines in figures 1 and 2 represent the corresponding diurnal variation at Toronto; there also the months divide themselves into two groups according as the sun is north or south of the equator, and these groups are distinguished by characteristics similar to those which have been just described at Hobarton; but with this difference,—that at Toronto the months of greatest range are those in which the sun is north of the equator, or those from April to August, whilst these are the months of least range at Hobarton. At Toronto, as well as at Hobarton, the season of the greatest range in the diurnal variation is also characterized by the minimum of the force occurring about two hours earlier than at the opposite season of the year.

VERTICAL FORCE.

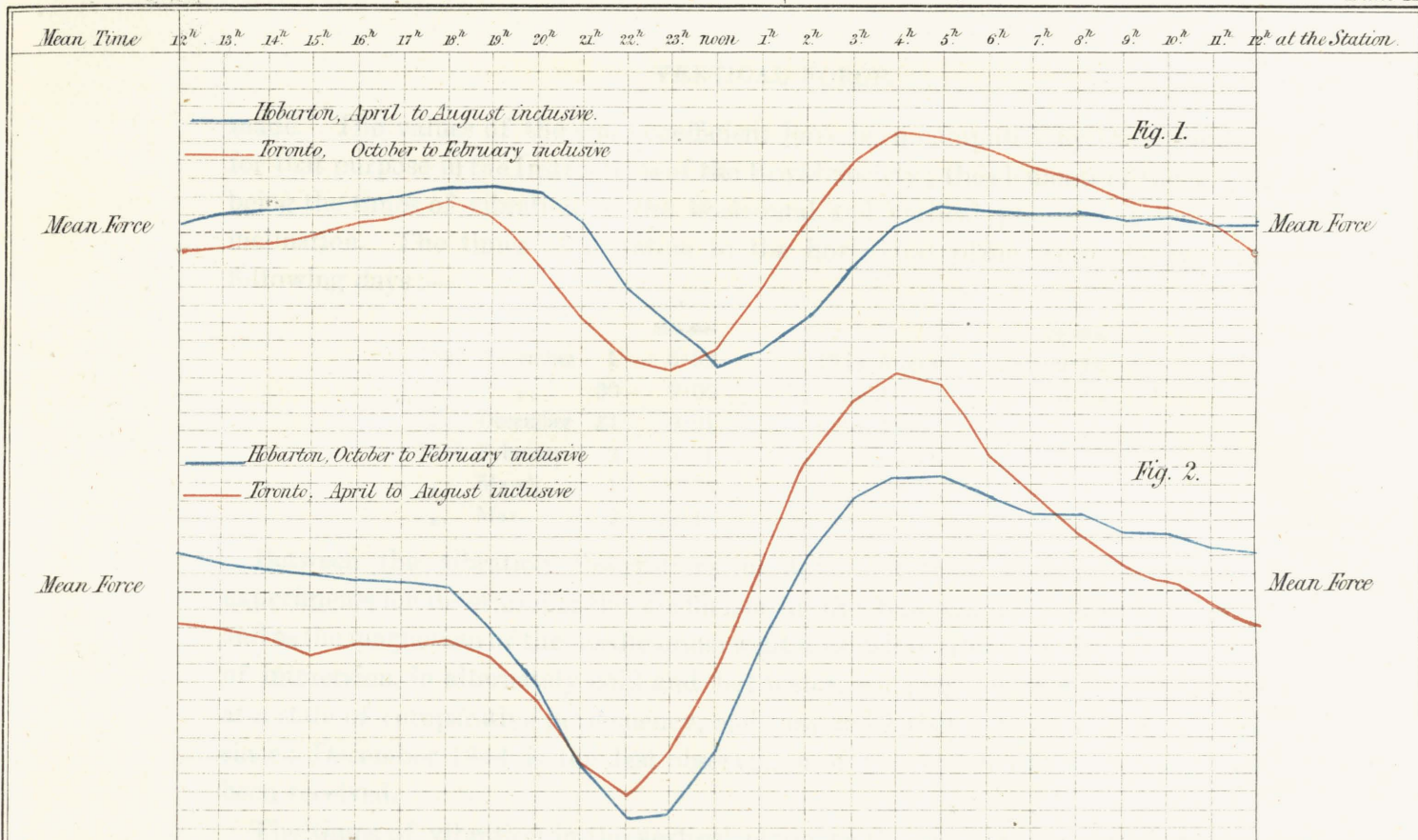
Vertical Force Magnetometer.—The instrument employed at Hobarton was of the construction described in pp. 31 to 35 of the Royal Society's Report. It was adjusted at the first establishment of the Observatory, and was observed regularly with the other instruments, but from a misunderstanding of the instructions received in Dublin before the Antarctic Expedition sailed from England, no observations were made for determining the value of the scale coefficient. This misunderstanding was not removed until late in 1841; the record of the observations commences therefore, with the 1st of January 1842, at which period the plane in which the magnet moved coincided with the magnetic meridian. In January 1842, Lieut. Kay received a letter from Dr. Lloyd (by whom the instrument was devised), recommending that the plane of the magnet's motion should be altered and made perpendicular to the meridian; this change was effected on the 2nd February 1842, and no alteration in this respect has since been

Diurnal Variation of the Horizontal Force. — Scale 1^{inch} to 001 Parts of Force.

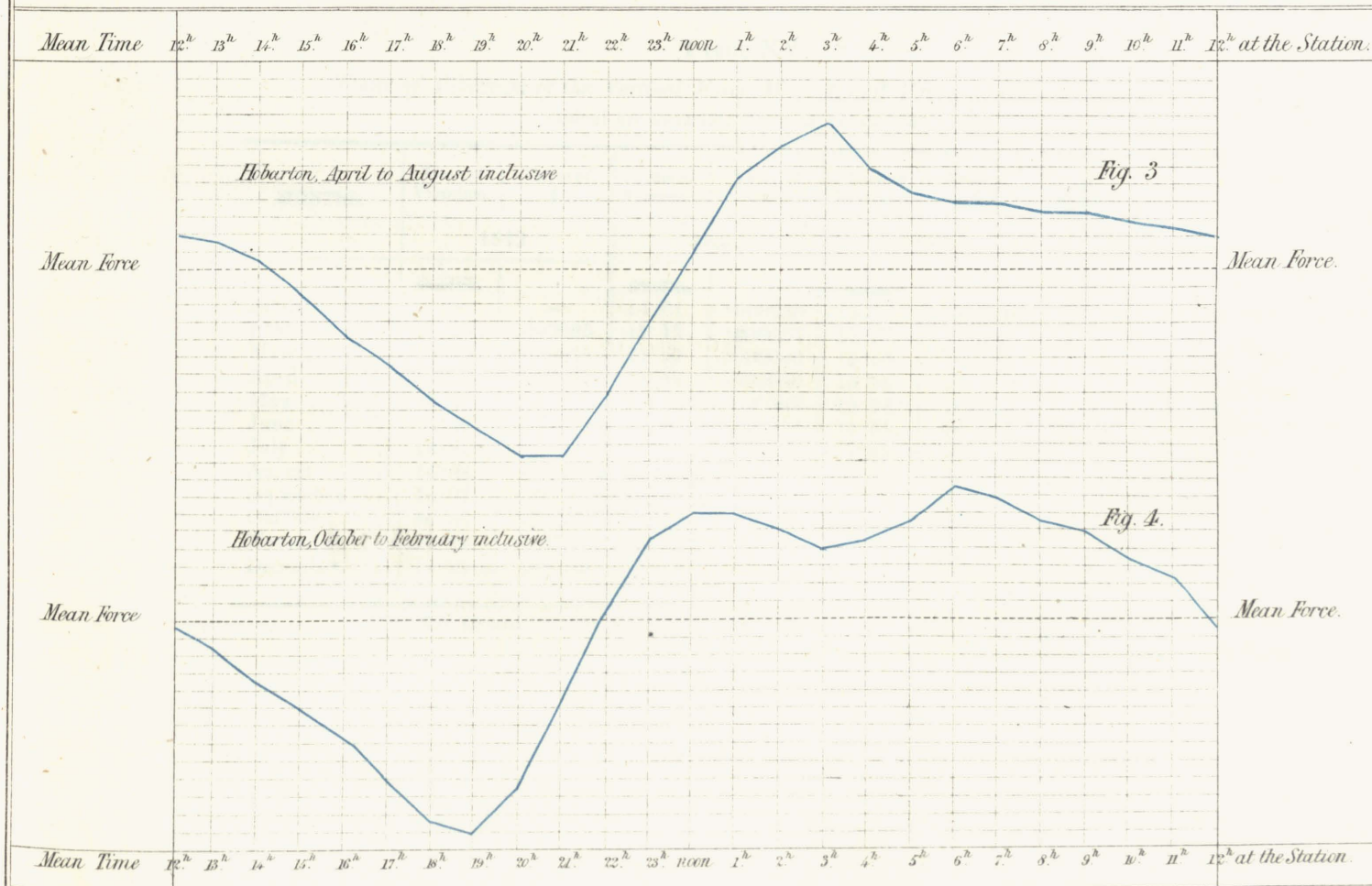
Force Increasing

Force Decreasing

Plate II.



Diurnal Variation of the Vertical Force. — Scale 1^{inch} to 0002 Parts of Force. —





made. The values of the scale coefficient have been computed by the formula given for that purpose in the Instructions of the Royal Society; the elements of the calculation being the times of vibration in the horizontal and vertical planes, and the magnetic inclination. The times of vibration in the horizontal plane were observed on the following days:—

			Sec. Div.				Sec. Div.
1841	November	1	8·99	1842	August	1	9·15
,,	,,	30	9·02	1843	June	15	9·18
,,	December	31	9·01	1844	July		9·17
1842	February	2	9·01	,,	November	3	9·19
,,	March	1	9·25	,,	December	2	9·19
,,	May	2	9·16				

Between the vibration observations in July and those in November 1844, the experiments for determining the coefficient in the temperature correction were made and as the magnetism of the needle underwent no sensible alteration during the processes of immersion, in alternately cold and hot water, we may consider that it had arrived at a state of comparative permanency, and may infer that it has probably remained so since; December 1844 is the last observation of this nature of which the record has been received.

The times of vibration in the vertical plane, as they were ascertained monthly, and the corresponding values of the coefficients, are given in Table XV.

TABLE XV.

Times of Vibration of the Vertical Force Magnet, and Values of the coefficient k.
Initial Arc about 17'; Terminal Arc about 3'.

MONTHS.	Time of Vibration.	Value of k	Time of Vibration.	Value of k	Time of Vibration.	Value of k	Time of Vibration.	Value of k
	1842		1843		1844		1845	
	Sec. Div.		Sec. Div.		Sec. Div.		Sec. Div.	
January . . .	—	—	14·81	·000039	15·55	·000036	12·15	·000058
February . . .	15·63	·000035	15·17	·000037	15·62	·000035	12·20	·000058
March . . .	15·69	·000035	14·57	·000040	15·53	·000036	12·20	·000058
April . . .	15·59	·000035	14·55	·000040	15·48	·000036	12·15	·000059
May . . .	15·46	·000036	14·21	·000042	15·54	·000036	11·96	·000061
June . . .	15·20	·000038	15·85	·000034	15·55	·000036	11·80	·000062
July . . .	14·83 ^(a)	·000039	15·49 ^(a)	·000035	15·45	·000036	11·94	·000061
August . . .	14·88	·000039	15·31 ^(a)	·000036	15·37	·000037	11·93	·000061
September . . .	14·97	·000038	15·63	·000035	15·55	·000036	11·89	·000062
October . . .	14·85	·000039	15·61	·000035	15·34	·000037	11·88	·000061
November . . .	14·89	·000039	15·65	·000035	12·72 ^(b)	·000053	11·96	·000061
December . . .	14·99 ^(a)	·000038	15·59	·000035	12·25	·000058	11·80	·000062

(a) New adjustment. (b) Needle removed for ascertaining the temperature coefficient.

TABLE XV.—*continued.*

MONTHS.	Time of Vibration.	Value of <i>k</i>	Time of Vibration.	Value of <i>k</i>	Time of Vibration.	Value of <i>k</i>
	1846		1847		1848	
	<i>Sec. Div.</i>		<i>Sec. Div.</i>		<i>Sec. Div.</i>	
January . . .	11·91	·000061	11·81	·000062	11·80	·000062
February . . .	11·88	·000062	11·82	·000062	11·68	·000063
March . . .	11·89	·000061	11·84	·000062	11·76	·000063
April . . .	11·69	·000063	11·77	·000062	11·71	·000063
May . . .	11·51	·000065	11·73	·000063	11·93	·000061
June . . .	11·73	·000062	11·62	·000065	11·84	·000062
July . . .	11·94	·000061	11·80	·000063		
August . . .	11·93	·000061	11·81	·000062		
September . . .	11·90	·000061	11·85	·000062		
October . . .	11·88	·000061	11·88	·000061		
November . . .	11·84	·000062	11·66	·000063		
December . . .	11·86	·000061	11·76	·000062		

The precautions adopted to guard against changes of temperature, are described by Lieut. Kay as follows:—

“The mahogany box has been lined with gilt paper, leaving two small apertures for the transmission of light to the microscopes. The box has been enclosed in a double rectangular deal case, made in two parts, which fit together by a rabbeted joint, the interval (about 3 inches) between the inner and outer cases being filled with clay; this external case fits loosely round the pedestal supporting the instrument, and beneath its marble base, but is so contrived as not to touch either the slab, the microscopes, or the mahogany box itself, being supported independently from the floor of the room: a glazed tube passes through both parts of the case opposite to the microscopes, to admit the light. A groove cut in each half of the case permits it to be placed or removed without touching the microscopes, and when permanently fixed, cotton is stuffed into the groove to protect the exposed portion of the case from the external atmosphere. Finally, a small hole has been made in one side through the double case, and the mahogany box, to place the bulb of the thermometer inside the latter, and the outer end of the thermometer, covered with a roll of flannel, entirely fills the aperture.”

The temperature coefficient of the magnet of the vertical force magnetometer was determined in October and November 1844, by the method of deflections, and in a precisely similar manner to that by which the coefficient of the bifilar bar was ascertained. The length of the vertical force magnet was 12 inches, and it being then understood that the deflecting magnet ought not to approach the suspended magnet nearer than $3\frac{1}{2}$ times its own length, the distance between the two centres amounted to $42\frac{1}{2}$ inches, and the resulting deflection did not exceed $2\frac{1}{2}^\circ$. The trough was filled with water, at temperatures alternating between about 100° and 60° , and the coefficient ascertained corresponds to a temperature of 80° .

The results were as follows :—

Experiment . . 1	$q = \cdot 000152$	Experiment. . . 4	$q = \cdot 000191$
„ . . . 2	$q = \cdot 000210$	„ . . . 5	$q = \cdot 000229$
„ . . . 3	$q = \cdot 000203$		

These values are tolerably accordant, with the exception of the first, and as in this experiment, the distance between the magnets was greater than in the others (*viz.*, 49 inches), and the angle of deflection consequently less, we may omit it in the mean as being of inferior authority. The arithmetical mean of the other four determinations is $= \cdot 000209$.

When the instrument is dismantled at the conclusion of the observations, it will then be advisable to repeat these experiments, and to ascertain the value of the coefficient of this magnet, as well as that of the bifilar magnetometer, at different degrees of the thermometric scale.

Diurnal Variation of the Vertical Force.—Tables XVI., XVII., and XVIII. show the diurnal variation of the Vertical Force, expressed in parts of the force, in each month from January 1842 to September 1848 inclusive.—*See* pp. lviii—lxv.

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

Mean Time at Van Diemen Island.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.											
1842	069	072	074	077	072	076	080	077	077	067	058
1843	052	053	056	047	047	041	044	047	037	037	037
1844	030	033	028	025	026	026	028	029	027	027	025
1845	046	046	045	043	045	046	049	049	047	050	040
1846	019	019	015	012	014	017	036	028	025	022	019
1847	029	029	027	017	012	020	025	030	027	029	025
1848	053	053	046	048	043	043	053	061	063	059	058
Reduced Mean	039	040	038	034	033	034	041	042	039	038	033
FEBRUARY.											
1842	054	065	065	069	074	075	059	060	051	054	044
1843	046	043	046	041	038	035	035	035	037	035	029
1844	051	043	042	033	031	030	031	032	035	030	029
1845	030	026	021	018	018	015	017	016	019	018	016
1846	040	042	035	034	036	037	040	041	036	035	038
1847	040	038	036	028	025	024	026	025	036	030	035
1848	073	064	057	054	052	051	059	057	053	048	044
Reduced Mean	045	043	040	037	036	035	035	035	035	033	031
MARCH.											
1842	050	065	066	071	069	072	063	047	048	049	042
1843	037	036	035	036	040	041	039	034	034	031	029
1844	016	021	017	025	020	027	022	017	015	020	024
1845	021	022	027	025	027	029	030	025	018	034	030
1846	013	011	011	011	014	037	036	033	034	012	017
1847	021	023	029	030	026	029	027	019	026	024	021
1848	036	031	031	030	034	037	037	034	029	035	033
Reduced Mean	027	029	030	032	032	038	035	029	028	028	027
APRIL.											
1842	044	064	066	079	069	067	070	068	058	056	046
1843	051	054	058	060	063	055	052	047	043	037	040
1844	027	032	037	037	032	030	033	030	032	025	028
1845	014	023	026	025	025	023	019	020	019	021	020
1846	028	036	030	032	030	024	022	023	025	020	016
1847	036	032	033	029	028	036	039	035	031	029	022
1848	028	034	033	039	033	035	045	040	030	019	024
Reduced Mean	029	035	036	039	036	035	036	034	030	026	024

DIURNAL VARIATION OF THE VERTICAL FORCE.

from January 1842 to September 1848, inclusive, in parts of the Vertical Force.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
049	034	023	015	015	000	010	011	008	020	030	053	066
038	033	025	020	017	014	009	006	000	008	016	030	043
021	024	023	021	017	015	007	002	000	001	005	015	024
042	000	035	028	027	028	021	023	020	027	033	039	041
023	014	021	019	016	013	007	005	000	002	007	017	022
028	026	021	013	009	008	010	000	000	004	008	016	026
056	044	033	026	024	022	006	000	003	008	025	042	053
033	021	022	016	014	010	006	003	000	006	014	026	035
041	033	025	012	000	002	007	012	004	013	022	033	052
029	031	021	021	014	015	009	005	000	001	012	023	039
028	031	026	023	017	019	012	000	007	007	017	030	041
015	014	016	014	010	010	007	002	000	005	013	023	033
032	029	027	032	031	026	026	000	022	023	030	035	046
021	026	021	021	020	017	008	003	000	011	020	033	039
044	040	037	027	017	015	000	002	014	010	023	040	056
027	026	022	018	013	012	007	000	004	007	017	028	041
031	027	027	022	015	004	000	005	003	014	014	033	046
030	031	027	018	009	005	000	002	001	005	004	026	035
019	010	013	010	011	007	003	000	003	003	004	014	021
025	022	024	019	011	013	009	001	000	002	009	017	018
016	014	013	008	002	001	004	000	001	004	004	013	015
018	021	020	012	002	005	001	003	000	005	015	017	024
032	022	020	014	007	007	000	002	001	006	012	020	030
023	020	020	014	007	005	001	001	000	005	008	019	026
044	022	025	021	023	015	009	013	000	010	015	041	036
037	037	040	034	024	017	014	000	015	011	021	028	040
026	021	020	025	014	013	004	003	006	000	011	015	021
024	025	027	024	018	021	007	007	000	002	005	007	013
018	021	019	017	008	006	000	001	004	003	010	018	024
022	022	024	020	012	006	008	002	000	008	011	015	025
019	023	016	015	013	004	009	000	003	002	005	010	025
023	020	020	018	012	008	003	000	000	001	007	015	022

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

Mean Time at Van Diemen Island.}		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
		·00	·00	·90	·00	·00	·00	·00	·00	·00	·00	·00
MAY.	1842	037	053	058	057	046	039	033	031	030	030	033
	1843	042	053	060	060	056	041	028	032	030	031	035
	1844	017	026	030	032	034	021	023	021	022	024	024
	1845	022	029	035	034	027	023	021	023	026	028	030
	1846	023	032	036	037	031	024	029	032	028	026	028
	1847	016	025	031	028	023	032	031	032	033	025	029
	1848	027	030	039	039	036	026	028	020	027	022	022
Reduced Mean		025	034	040	040	035	028	027	026	027	026	028
JUNE.	1842	025	040	050	053	046	029	028	031	036	037	029
	1843	028	033	030	026	019	015	019	020	021	038	025
	1844	016	025	030	025	021	018	019	022	022	028	028
	1845	013	024	030	031	025	022	022	026	026	025	027
	1846	023	037	038	036	033	030	031	030	026	029	033
	1847	015	030	040	036	031	026	025	023	025	028	027
	1848	018	028	033	032	028	022	021	023	025	021	023
Reduced Mean		019	030	035	033	028	022	023	024	025	028	026
JULY.	1842	021	040	047	049	047	046	039	038	034	039	039
	1843	032	023	024	028	024	023	025	020	021	021	022
	1844	025	034	038	036	035	030	032	035	034	035	034
	1845	016	031	041	043	039	036	036	037	034	038	036
	1846	017	026	036	038	033	036	033	038	041	038	040
	1847	019	027	031	033	032	028	025	028	027	030	028
	1848	028	035	038	037	030	026	027	033	029	034	036
Reduced Mean		022	031	036	038	034	032	031	033	031	033	033
August.	1842	048	051	061	064	055	051	045	045	045	046	045
	1843	031	032	038	041	033	027	031	042	036	039	028
	1844	027	037	042	043	040	034	031	033	033	033	020
	1845	022	035	041	044	042	047	045	040	042	039	041
	1846	025	035	038	047	047	048	041	036	033	039	039
	1847	028	040	043	046	044	043	041	039	038	039	039
	1848	030	042	050	050	043	037	032	034	031	030	033
Reduced Mean		030	039	045	048	043	041	038	038	037	038	035

DIURNAL VARIATION OF THE VERTICAL FORCE.

from January 1842 to September 1848, inclusive—continued.

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

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

Mean Time at Van Diemen Island. }		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
SEPTEMBER.	1842	039	050	050	058	055	058	053	046	042	043	041
	1843	033	043	045	043	046	041	040	037	031	037	029
	1844	029	036	038	041	034	036	031	032	032	032	030
	1845	027	035	040	040	039	037	041	035	029	029	040
	1846	024	036	042	049	052	055	055	054	053	051	038
	1847	037	049	052	048	051	045	040	042	038	026	023
	1848	033	043	041	036	033	035	037	033	030	034	032
Reduced Mean		030	040	043	044	043	043	041	039	035	035	032
OCTOBER.	1842	041	043	042	036	037	039	036	033	030	031	024
	1843	031	028	025	027	032	034	031	032	024	030	029
	1844	033	034	032	032	034	037	038	035	030	039	027
	1845	018	016	014	019	021	025	026	026	024	020	025
	1846	037	044	043	044	044	043	042	044	043	036	035
	1847	046	044	036	041	046	049	056	045	047	056	039
	Reduced Mean		033	034	031	032	035	037	037	035	032	034	029
NOVEMBER.	1842	044	054	051	045	045	052	054	046	041	034	021
	1843	034	035	033	036	039	043	045	043	041	045	042
	1844	025	022	024	024	027	031	035	039	033	025	032
	1845	025	023	019	012	019	023	026	031	029	032	033
	1846	025	023	019	021	027	033	036	034	030	031	029
	1847	042	046	057	046	041	042	047	046	046	045	042
	Reduced Mean		031	032	032	029	031	035	039	038	035	033	031
DECEMBER.	1842	045	049	046	043	040	046	046	046	041	033	031
	1843	031	032	037	044	043	046	047	047	045	051	044
	1844	028	030	030	032	034	034	041	041	037	033	029
	1845	029	022	021	015	018	024	035	035	035	030	030
	1846	016	011	005	010	016	017	029	030	027	029	026
	1847	068	068	058	063	065	069	076	071	062	050	057
	Reduced Mean		036	035	033	035	036	039	046	045	041	038	036

DIURNAL VARIATION OF THE VERTICAL FORCE.

from January 1842 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
037	028	019	022	014	008	008	005	000	004	006	014	031
026	028	032	027	023	018	013	008	005	000	002	007	024
024	027	023	020	017	015	012	005	001	000	005	008	019
027	024	020	017	019	016	010	003	002	000	004	010	022
031	027	027	019	009	010	004	006	003	000	003	008	014
021	038	038	008 ^(a)	018	014	006 ^(b)	007	006	000	016	020	023
034	023	020	025	018	014	010	003	002	000	004	017	025
028	027	025	022 ^(c)	016	012	008	004	002	000	005	011	022
027	013	019	022	016	005	003	002	000	006	019	032	039
030	028	030	017	013	011	005	000	002	002	008	021	026
027	025	020	018	013	011	007	000	002	000	010	019	027
023	020	021	020	013	008	007	003	000	005	012	017	020
028	023	019	023	018	033	000	007	000	004	018	023	029
035	033	022	021	015	010	013	006	000	011	020	032	040
027	023	021	019	014	012	005	002	000	004	014	023	029
024	008	020	016	013	013	009	003	000	009	015	037	046
052	031	026	031	028	024	014	006	000	011	023	032	037
029	029	029	024	016	018	016	003	000	007	016	026	027
024	017	013	014	017	011	001	000	001	007	014	021	024
024	018	021	020	019	010	002	000	002	010	023	028	030
035	032	026	025	018	014	007	000	010	009	022	034	044
029	021	021	020	017	013	006	000	000	007	017	028	033
032	018	026	022	013	010	007	003	000	006	011	022	038
034	033	036	030	021	017	018	004	000	007	016	020	027
031	029	011	012	012	013	017	006	000	008	015	024	025
029	025	029	020	021	016	009	004	000	004	018	026	030
021	018	018	014	015	011	002	000	001	005	011	022	026
059	037	038	018	028	023	008	001	000	016	031	047	060
034	027	026	019	018	015	010	003	000	008	017	027	034

(a) A correct mean : but the daily observations were much disturbed.

(b) Interpolated.

(c) 1847 omitted.

TABLE XVII.

Exhibits the Mean Hourly Position of the Vertical Force Magnet, in each Month of the Year, relatively to its General Mean Position in the Month; the sign + implies that the Force is greater than in the Mean Position, and - that it is less.

Mean Time at Van Diemen Island. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	+ 013	+ 014	+ 012	+ 008	+ 007	+ 008	+ 015	+ 016
February . . .	+ 019	+ 017	+ 014	+ 011	+ 010	+ 009	+ 009	+ 009
March . . .	+ 007	+ 009	+ 010	+ 012	+ 012	+ 018	+ 015	+ 009
April . . .	+ 008	+ 014	+ 015	+ 018	+ 015	+ 014	+ 015	+ 013
May . . .	+ 004	+ 013	+ 019	+ 019	+ 014	+ 007	+ 006	+ 005
June . . .	- 001	+ 010	+ 015	+ 013	+ 008	+ 002	+ 003	+ 004
July . . .	- 002	+ 007	+ 012	+ 014	+ 010	+ 008	+ 007	+ 009
August . . .	+ 002	+ 011	+ 017	+ 020	+ 015	+ 013	+ 010	+ 010
September . . .	+ 005	+ 015	+ 018	+ 019	+ 018	+ 018	+ 016	+ 014
October . . .	+ 010	+ 011	+ 008	+ 009	+ 012	+ 014	+ 014	+ 012
November . . .	+ 007	+ 008	+ 008	+ 005	+ 007	+ 011	+ 015	+ 014
December . . .	+ 009	+ 008	+ 006	+ 008	+ 009	+ 012	+ 019	+ 018

Mean Time at Van Diemen Island. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	+ 013	+ 012	+ 007	+ 007	- 005	- 004	- 010	- 012
February . . .	+ 009	+ 007	+ 005	+ 001	000	- 004	- 008	- 013
March . . .	+ 008	+ 008	+ 007	+ 003	000	000	- 006	- 013
April . . .	+ 009	+ 005	+ 003	+ 002	- 001	- 001	- 003	- 009
May . . .	+ 006	+ 005	+ 007	+ 005	+ 004	+ 003	+ 001	- 003
June . . .	+ 005	+ 008	+ 006	+ 006	+ 006	+ 008	+ 004	+ 002
July . . .	+ 007	+ 009	+ 009	+ 007	+ 004	+ 007	+ 004	000
August . . .	+ 009	+ 010	+ 007	+ 006	+ 006	- 002	- 001	- 004
September . . .	+ 010	+ 010	+ 007	+ 003	+ 002	000	- 003	- 009
October . . .	+ 009	+ 011	+ 006	+ 004	000	- 002	- 004	- 009
November . . .	+ 011	+ 009	+ 007	+ 005	- 003	- 003	- 004	- 007
December . . .	+ 014	+ 011	+ 009	+ 007	000	- 001	- 008	- 009

Mean Time at Van Diemen Island. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	- 016	- 020	- 023	- 026	- 020	- 012	000	+ 009
February . . .	- 014	- 019	- 026	- 022	- 019	- 009	+ 002	+ 015
March . . .	- 015	- 019	- 019	- 020	- 015	- 012	- 001	+ 006
April . . .	- 013	- 018	- 021	- 021	- 020	- 014	- 006	+ 001
May . . .	- 009	- 010	- 015	- 019	- 021	- 019	- 012	- 004
June . . .	- 002	- 005	- 009	- 013	- 019	- 020	- 016	- 010
July . . .	- 004	- 010	- 013	- 015	- 020	- 024	- 017	- 006
August . . .	- 009	- 011	- 015	- 021	- 025	- 028	- 020	- 012
September . . .	- 013	- 017	- 021	- 023	- 025	- 020	- 014	- 003
October . . .	- 011	- 018	- 021	- 023	- 019	- 009	000	+ 006
November . . .	- 011	- 018	- 024	- 024	- 017	- 007	+ 004	+ 009
December . . .	- 012	- 017	- 024	- 027	- 019	- 010	000	+ 007

DIURNAL VARIATION OF THE VERTICAL FORCE.

TABLE XVIII.
Showing the Mean Diurnal Variation of the Vertical Force in each month of the Year, derived from Table XVI.

Van Diemen Island } Mean 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 .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	039	040	038	034	033	034	041	042	039	038	033	033
February . .	045	043	040	037	036	035	035	035	035	033	031	027
March . .	027	029	030	032	032	038	035	029	028	028	027	023
April . .	029	035	036	039	036	035	036	034	030	026	024	023
May . .	025	034	040	040	035	028	027	026	027	026	028	026
June . .	019	030	035	033	028	022	023	024	025	028	026	026
July . .	022	031	036	038	034	032	031	033	031	033	033	031
August . .	030	039	045	048	043	041	038	038	037	038	035	034
September .	030	040	043	044	043	043	041	039	035	035	032	028
October . .	033	034	031	032	035	037	037	035	032	034	029	027
November .	031	032	032	029	031	035	039	038	035	033	031	029
December .	036	035	033	035	036	039	046	045	041	038	036	034
Mean . .	031	035	037	037	035	035	036	035	033	033	030	028

Van Diemen Island } Mean Time. }	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	021	022	016	014	010	006	003	000	006	014	026	035
February . .	026	022	018	013	012	007	000	004	007	017	028	041
March . .	020	020	014	007	005	001	001	000	005	008	019	026
April . .	020	020	018	012	008	003	000	000	001	007	015	022
May . .	025	024	022	018	012	011	006	002	000	002	009	017
June . .	026	028	024	022	018	015	011	007	001	000	004	010
July . .	028	031	028	024	020	014	011	009	004	000	007	018
August . .	034	026	027	024	019	017	013	007	003	000	008	016
September .	027	025	021	016	012	008	004	002	000	005	011	022
October . .	023	021	019	014	012	005	002	000	004	014	023	029
November .	021	021	020	017	013	006	000	000	007	017	028	033
December .	027	026	019	018	015	010	003	000	008	017	027	034
Mean . .	025	024	020	017	013	009	005	003	004	008	017	025

TABLE XIX.

Diurnal Variation of the Vertical Force arranged according to the Sun's position, in the Northern and Southern signs;—exhibiting, first, the Mean Diurnal Variation from April to August inclusive; second, from October to February inclusive; third, for March; and, fourth, for September; the two last being intermediate months, in each of which the Sun is partly in the Northern and partly in the Southern signs.

Van Diemen Island } Mean 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 .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
April to August	023	032	036	038	033	030	029	029	028	028	027	026
October to } February }	036	036	034	032	033	035	039	038	035	034	031	029
March . . .	027	029	030	032	032	038	035	029	028	028	027	023
September .	030	040	043	044	043	043	041	039	035	035	032	028

Van Diemen Island } Mean Time.	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
April to August	025	024	022	018	013	010	006	003	000	000	007	015
October to } February }	023	021	017	014	011	006	001	000	005	015	025	033
March . . .	020	020	014	007	005	001	001	000	005	008	019	026
September .	027	025	021	016	012	008	004	002	000	005	011	022

The Vertical Force at Hobarton has one decided minimum, which occurs from one to two hours earlier from October to February, than from April to August, *viz.*, at 19^h. from October to February, and between 20^h. and 21^h. from April to August. In the April to August period, it has also one decided maximum, which occurs at 3^h., and at this period of the year the variation is a single progression, the force diminishing at first slowly from the maximum at 3^h. to about 13^h., and then more rapidly to the minimum between 20^h. and 21^h., after which it increases rapidly to its maximum at 3^h. In the October to February period there is a very small secondary minimum at 3^h., intermediate between two maxima, at noon and 6^h., the latter maximum being rather the superior. The force then diminishes, at first more slowly until 11^h., and then more rapidly until the minimum at 19^h. The range of the diurnal variation is nearly the same at both periods of the year, and amounts to about four parts in a thousand of the whole vertical force. Plate II., figs. 3 and 4, represent the diurnal variation at the two seasons of the year.

DIURNAL VARIATIONS OF THE INCLINATION AND TOTAL FORCE.

Having thus the diurnal variation of the Horizontal and of the Vertical Force, we may derive from them the diurnal variations of their theoretical equivalents, the Inclination and the Total Force.

The diurnal variations of the Horizontal and of the Vertical Force brought into one view are as follows:—

TABLE XX.

Hours.	Hor. Force.	Vert. Force.	Hours.	Hor. Force.	Vert. Force.
0	·00018	·00031	12	·00117	·00025
1	·00049	·00035	13	·00116	·00024
2	·00087	·00037	14	·00116	·00020
3	·00118	·00037	15	·00114	·00017
4	·00133	·00035	16	·00114	·00013
5	·00140	·00035	17	·00116	·00009
6	·00132	·00036	18	·00116	·00005
7	·00130	·00035	19	·00105	·00003
8	·00129	·00033	20	·00087	·00004
9	·00122	·00033	21	·00055	·00008
10	·00122	·00030	22	·00025	·00017
11	·00118	·00028	23	·00012	·00025

Hence we have a minimum of the (south) Inclination at 18^h., and of the Total Force at 22^h., and the diurnal variation of the two elements is as follows:—

TABLE XXI.

Hours.	Inclination.	Total Force.	Hours.	Inclination.	Total Force.
0	1·33	·00017	12	0·20	·00022
1	1·04	·00023	13	0·20	·00021
2	0·65	·00029	14	0·16	·00018
3	0·32	·00033	15	0·15	·00015
4	0·13	·00033	16	0·10	·00011
5	0·06	·00034	17	0·04	·00008
6	0·16	·00034	18	0·00	·00004
7	0·17	·00032	19	0·09	·00001
8	0·16	·00031	20	0·30	·00000
9	0·23	·00030	21	0·68	·00000
10	0·20	·00027	22	1·10	·00005
11	0·22	·00025	23	1·33	·00011

These numbers show, in respect to the inclination, an increase of south dip from the minimum at 18^h. to the maximum between 23^h. and noon; and from thence a decrease to a secondary minimum at 5^h., with a subsequent increase to a secondary maximum from 9^h. to 11^h. Or the inclination has

A principal minimum at 18 hours;

A principal maximum at 23½ hours;

A secondary minimum at 5 hours;

A secondary maximum at 10 hours, or between 9 hours and 11 hours;

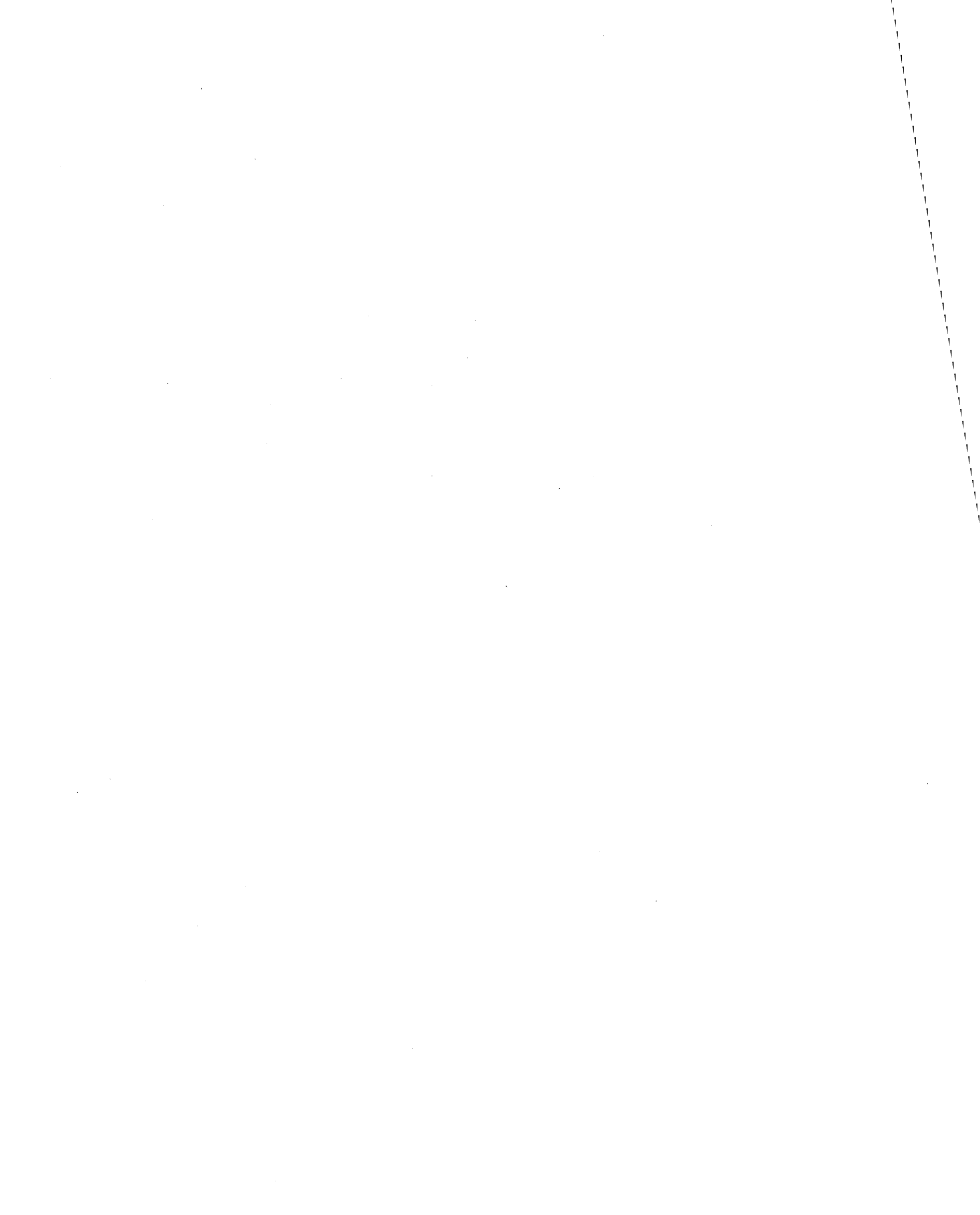
the intermediate march being always uninterrupted.

The diurnal variation of the total force is a single progression, having its minimum between 20^h. and 21^h., and its maximum at between 5^h. and 6^h., the intermediate march being uninterrupted.

The comparison of the diurnal variation of the inclination and of the total force at Hobarton and Toronto, has a considerable interest. Commencing with the inclination, and disregarding for the moment the fact that the inclination at Hobarton is that of the *south* end of the needle below the horizon, and at Toronto that of the *north* end of the needle below the horizon, we may remark that at both stations the diurnal variation is a double progression, having very nearly the same hours of maxima and minima; those of the secondary minima are precisely the same, whilst the principal maximum is somewhat later at Hobarton than at Toronto, being 22^h. at Toronto, and between 23^h. and noon at Hobarton. In respect to the hours of minima, that of the principal minimum at Toronto is the same with that of the secondary minimum at Hobarton and *vicé versâ*. The range of the diurnal variation at Hobarton (from hourly observations) is 1'·25, and at Toronto (from the two-hourly observations published in the 1st volume of the Proceedings at that Observatory), 1'·21.

There is, therefore, a marked correspondence in the range, and in the turning hours of the diurnal variation of the inclination at these two stations, which are similarly situated in magnetic respects in the opposite hemispheres. We have seen a similar correspondence in the diurnal variation of the declination at the two stations; and have particularly noticed the remarkable circumstance in the case of the declination, that whilst the range and turning hours of the progression nearly correspond, the north end of the needle is moving in one direction at Toronto, whilst at Hobarton it moves in the opposite direction, at the same hours of local time. This remarkable feature holds good also in the inclination; for when we say that the hours of maximum at Hobarton are the same or nearly so with those at Toronto, and those of minimum at Hobarton the same with those at Toronto, it must be remembered, that we speak of the inclination as measured at Hobarton by the dip of the *south* end of the needle, and at Toronto by that of the *north* end of the needle; whilst in speaking of the declination, it is customary to refer always to the same end of the needle, (*viz.*, the north end,) in *all* parts of the globe. The facts, therefore, in respect to the inclination are analogous to those of the declination in the peculiarity which we are noticing; the north end of the dipping needle moves *towards* the zenith at certain hours of local time at Toronto; whilst at the same hours of local time at Hobarton, the north end of the dipping needle moves *from* the zenith.*

* The comparison is made with the diurnal variation of the inclination and total force at Toronto, derived from the *two-hourly* series in 1841 and 1842, in the volume of the Toronto Observations for those years. The six years' series of *hourly* observations, which have been subsequently made at that station, will afford materials for a more minute and detailed comparison hereafter, when the points of *difference*, which are very slight in comparison with those of *resemblance*, will be more suitably discussed than they could be at present.



Diurnal Variation of the Magnet in Direction and Force in the different months of the year at Hobarton.

Variation in Force.

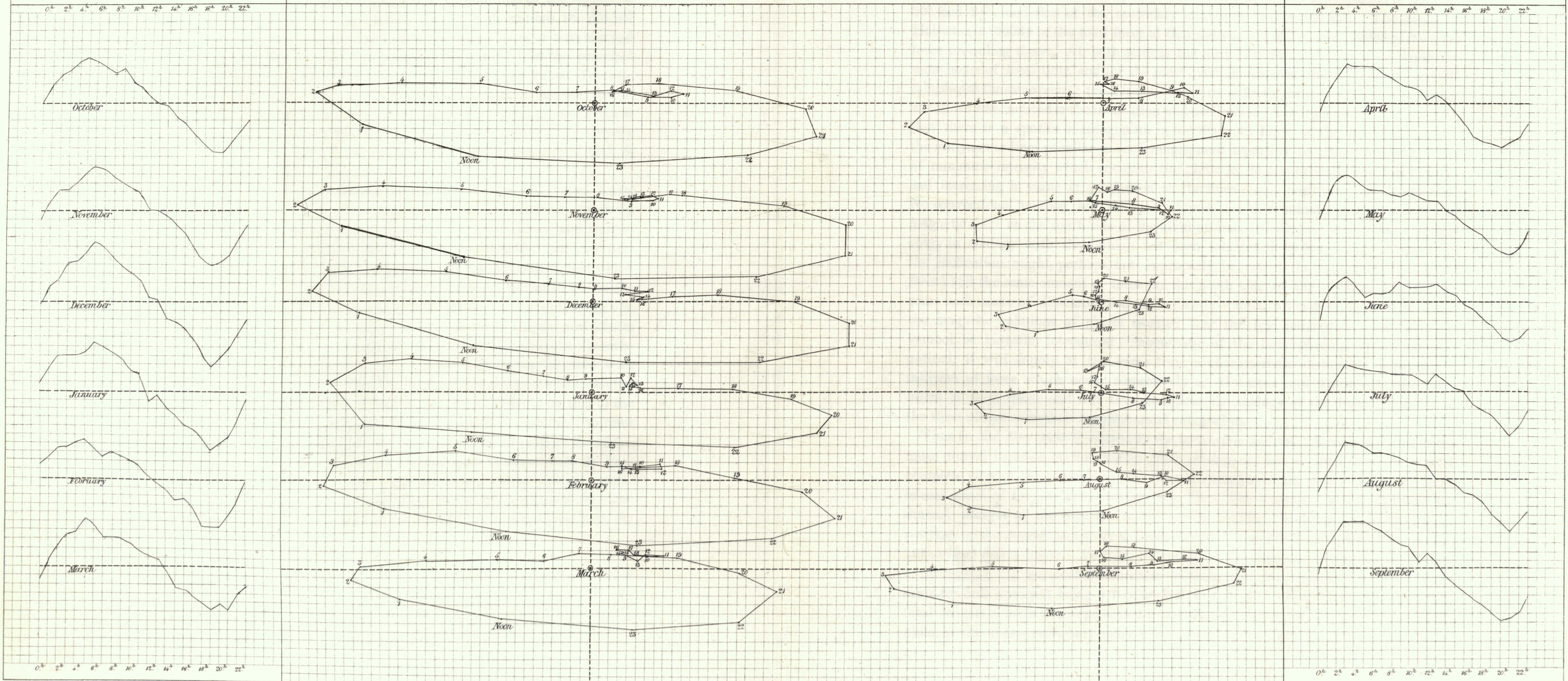
The diurnal variation of the total force is shown in absolute measure, 0.1 being equal to 0005 of the scale of absolute value expressed in British units, in which the total force at Hobarton = 13.5. The force is greater than its mean-value in the 24 hours when the curve ascends above the mean (or dotted line) and is less when the curve descends below that line.

Variation in Direction.

The Diagrams represent the mean diurnal Variations of the Inclination and of the Declination in the different months of the year. The mean position of the magnet derived from hourly observations is shown by the mark \odot . The vertical and horizontal lines intersecting each other in this mark represent respectively the lines of mean Inclination and Declination. The position of the magnet at the several observation hours is marked by the figures in the diagrams, which show the hours of mean solar time, astronomical reckoning. The difference between the hourly and the mean positions measured vertically is the difference of Inclination, and measured horizontally is the difference of Declination. The scale is in both cases the same, being half an inch to one minute of arc. If the hourly position be above the mean position, the South Inclination is less than the mean; if below, it is greater than the mean. If to the right, a decrease of East Declination is indicated (or a movement of the North end of the magnet towards the west; or of the South end towards the East); if to the left an increase of East Declination.

Variation in Force.

The diurnal variation of the total force is shown in absolute measure 0.1 being equal to 0005 of the scale of absolute value expressed in British units in which the total force at Hobarton = 13.5. The force is greater than its mean-value in the 24 hours when the curve ascends above the mean (or dotted line) and is less when the curve descends below that line.





There is also a correspondence in the range and turning hours of the diurnal variation of the total force at Hobarton and at Toronto, although the progression is a double one at Toronto, and a single one at Hobarton; that is to say, there is but one maximum and one minimum in the twenty-four hours at Hobarton, whilst at Toronto there are two maxima, and two minima. The time of the maximum at Hobarton is between 5^h. and 6^h. and that of the principal maximum at Toronto 6^h.; (the two-hourly series gives no values at the odd hours): the time of the minimum at Hobarton is between 20^h. and 21^h., and that of the secondary minimum at Toronto 22^h. The range at Hobarton is $\cdot 00034$ of the total force at that station, and at Toronto $\cdot 00039$ of the total force prevailing there. At both stations the force is at its maximum at or about the same hours of local time, and for the most part increases at the same hours, and diminishes at the same hours; there is not, therefore, at first sight that apparent opposition which we have noticed in the inclination and declination; but it should be remembered, that there is a species of antagonism in the magnetic force of the two hemispheres, the isodynamic lines peculiar to each hemisphere departing on either side from a line of minimum intensity which encircles the globe in its magnetically-equatorial parts, and increasing in value in proportion as the lines recede northward and southward. No conventional method has yet been adopted for discriminating between a certain magnetic force on the south side of the dividing line, (which line, employing a phraseology in analogy with that which has been sanctioned by long usage in respect of the inclination, might, perhaps, not improperly be called the *equator of the magnetic force*.) and the same amount of force on the north side of the dividing line, though some such mode of discrimination is frequently wanted when desiring to distinguish the magnetic relations of places situated near the line referred to. Should some symbol be hereafter introduced characteristic of the hemispherical opposition thus noticed, it will supply at the same time a characteristic distinction between the maxima of force which occur respectively at Hobarton and Toronto at the same hours of local time; and will thus complete the analogy of the diurnal variation of the three elements in their hemispherical antagonism.

Thus far the discussion in respect to the inclination and total force has regarded the mean diurnal variation on the *average of the whole year*; but in order to afford a more complete view of the phenomena, the diurnal variation of the *three* magnetic elements *in each month of the year* is shown in Plate III. The diagrams, which represent the diurnal changes of the *direction* of the needle, exhibit the differences of the hourly positions of the magnet in respect to Inclination and Declination from the mean positions in the twenty-four hours. Vertical differences in the diagrams correspond to changes of inclination, and horizontal differences to changes of declination. The scale is the same for both elements, being 0.5 of an inch to 1' of arc. The diurnal changes of the total magnetic force are represented in the diagrams in the side compartments of the plate, in the more customary manner, *viz.*, by a curve ascending above a line, repre-

senting the mean force in the month, at those hours when the force is greater than the mean, and descending below the line at the hours when the force is less than the mean.

On the first view of the diagrams representing the diurnal changes in direction, it is seen that the several months obviously divide themselves into two groups, in respect to the magnitude of the variation, which is much greater in the months from October to March, than from April to September. The passage from one group to the other is well marked by the period of the equinoxes; March, which has 21 days during which the sun is south of the equator, and but 10 days in which he is north of the equator, ranges with the group of greater magnitudes; and September, in which the proportions are reversed, ranges with the group of smaller magnitudes. June and July, midwinter months, are decidedly those of least diurnal range; but on the other hand, December and January, which are the months of midsummer, have no such marked difference in extent of movement from October, November, and February.

During the summer months, or those in which the sun is in the southern signs, the diurnal variation (in direction) describes with tolerable regularity an elliptic figure, of which the major axis, representing the change of declination, is about seven times the length of the minor axis, representing the change of inclination. The direction in which the south end of the needle is supposed to move round the periphery of the ellipse scarcely undergoes any interruption, and is the same with that of the motion of the hands of a watch; during the hours of the night, *i. e.*, from 10 P.M. to 4 A.M. (10^h. to 16^h.), the motion is so much diminished, that it may practically be regarded as suspended; it is even occasionally very slightly retrograde. At these hours the variation in the opposite season, *viz.*, in the winter months, or when the sun is in the northern signs, is notably different; about 11 P. M. the movement of the south end, which had been to the eastward, changes, and becomes to the westward; in which direction it continues to about 4 or 5 A. M. (16^h. or 17^h.), after which it resumes an eastward movement; during these hours, therefore, a second ellipse is formed smaller and less regular than the principal one. Thus at the season when the causes which produce the diurnal variation characteristic of the Southern Hemisphere are feeblest in operation,—and during the hours of the night, when they are always apparently less operative than in the day,—the south end of the magnet has a small but tolerably regular motion in the direction which is chiefly characteristic of the other hemisphere, and in which it is actually moving at the same hours of absolute time with much greater rapidity, and to a much greater extent, at the opposite point of the globe.

In respect to the diurnal variation of the third magnetic element, namely, the total force, the different months may be similarly arranged into two groups, the change of force, as well as that of direction, being greater in the group from October to March, than in that from April to September. There is also in the variation of the total force a difference in the two groups, in the turning periods, both of maximum and minimum,

the maximum being at from 5^h. to 6^h. from October to March, and at from 3^h. to 4^h. from April to September; and the minimum being at from 19^h. to 20^h. from October to March, and at from 20^h. to 21^h. from April to September.

Tables XXII. and XXIII. exhibit the mean diurnal variation of the Inclination and of the Total Force for each month of the year

TABLE XXII.

Mean Diurnal Variation of the Inclination for the several Months of the Year; the lowest (South) Inclination occurring at any of the Observation hours being taken as the Zero for the Month.

Van Diemen Island } Mean Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
January . . .	1.60	1.05	0.52	0.09	0.00	0.05	0.27	0.37	0.26	0.44	0.43	0.57
February . . .	1.81	1.34	0.77	0.32	0.13	0.00	0.18	0.21	0.22	0.32	0.32	0.28
March . . .	1.49	1.09	0.66	0.34	0.22	0.21	0.24	0.08	0.07	0.09	0.12	0.08
April . . .	1.62	1.45	1.09	0.74	0.57	0.43	0.43	0.41	0.38	0.28	0.19	0.33
May . . .	1.18	1.23	1.14	0.78	0.47	0.25	0.25	0.27	0.32	0.42	0.54	0.47
June . . .	1.00	1.16	1.07	0.80	0.52	0.38	0.41	0.48	0.49	0.57	0.54	0.57
July . . .	1.23	1.28	1.15	0.90	0.71	0.56	0.59	0.64	0.74	0.81	0.77	0.75
August . . .	1.35	1.42	1.26	1.05	0.78	0.67	0.67	0.65	0.63	0.73	0.60	0.66
September . . .	1.39	1.26	0.94	0.65	0.53	0.47	0.49	0.46	0.46	0.44	0.35	0.32
October . . .	1.53	0.96	0.25	0.09	0.00	0.03	0.18	0.22	0.14	0.29	0.29	0.25
November . . .	1.59	0.93	0.42	0.08	0.00	0.05	0.20	0.24	0.26	0.33	0.33	0.30
December . . .	1.71	1.00	0.53	0.10	0.00	0.10	0.29	0.34	0.40	0.44	0.42	0.53

Van Diemen Island } Mean Time. }	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
January . . .	0.43	0.53	0.52	0.56	0.61	0.61	0.64	0.89	1.20	1.60	1.95	1.83
February . . .	0.39	0.40	0.37	0.34	0.37	0.35	0.31	0.58	0.92	1.52	1.98	2.16
March . . .	0.07	0.14	0.05	0.02	0.00	0.01	0.06	0.23	0.50	0.94	1.56	1.72
April . . .	0.30	0.25	0.28	0.13	0.12	0.05	0.00	0.07	0.37	0.79	1.25	1.54
May . . .	0.45	0.40	0.36	0.29	0.26	0.17	0.07	0.00	0.03	0.29	0.62	0.94
June . . .	0.56	0.54	0.49	0.44	0.36	0.27	0.18	0.10	0.00	0.06	0.31	0.65
July . . .	0.68	0.63	0.57	0.56	0.44	0.31	0.24	0.17	0.00	0.08	0.40	0.87
August . . .	0.66	0.58	0.49	0.45	0.30	0.21	0.16	0.04	0.00	0.06	0.47	0.89
September . . .	0.30	0.34	0.15	0.28	0.23	0.10	0.00	0.04	0.15	0.53	0.85	1.22
October . . .	0.22	0.30	0.18	0.18	0.17	0.04	0.03	0.18	0.58	1.18	1.62	1.75
November . . .	0.22	0.23	0.30	0.30	0.29	0.18	0.19	0.44	0.87	1.56	2.01	2.04
December . . .	0.53	0.56	0.65	0.68	0.64	0.63	0.57	0.77	1.21	1.74	2.10	2.10

TABLE XXIII.

Mean Diurnal Variation of the Total Magnetic Force, in the several Months of the Year, the least Force occurring at any one of the Observation hours being taken as the Zero of the Month.

Van Diemen Island } Mean 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 .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	028	035	040	040	040	041	045	043	041	038	033	032
February . . .	025	029	033	033	035	036	033	032	033	030	028	025
March . . .	013	020	026	031	032	038	035	030	030	029	028	024
April . . .	014	023	029	034	033	033	033	031	029	026	025	023
May . . .	014	024	031	033	031	028	026	026	025	023	025	023
June . . .	009	020	024	026	023	018	019	019	020	024	022	021
July . . .	011	018	025	030	029	028	027	027	026	026	026	025
August . . .	017	024	032	038	037	036	033	033	032	031	029	028
September . .	019	030	036	041	041	041	039	037	034	032	031	025
October . . .	019	026	030	033	037	038	037	034	032	033	028	026
November . .	019	027	032	032	035	039	041	040	037	034	032	030
December . .	026	032	035	042	043	046	051	049	044	041	039	036

Van Diemen Island } Mean Time.	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . . .	021	023	018	015	011	009	005	000	002	005	012	022
February . . .	022	018	016	011	011	008	000	000	000	003	009	019
March . . .	022	021	016	009	008	005	003	000	002	000	006	010
April . . .	025	021	019	014	010	004	002	001	000	002	006	009
May . . .	022	022	018	016	012	010	008	003	001	000	004	009
June . . .	021	023	020	019	015	013	009	006	002	000	001	004
July . . .	022	026	023	020	019	014	011	009	006	000	004	010
August . . .	028	022	022	020	016	015	012	007	004	000	004	008
September . .	027	024	018	015	012	009	007	003	000	001	003	010
October . . .	022	020	019	014	012	006	003	000	000	004	008	013
November . .	023	023	021	018	014	008	002	000	002	005	012	017
December . .	029	028	020	019	016	011	005	000	003	007	013	020

MAGNETIC INCLINATION.

The observations of inclination comprised in this volume extend over a period of seven years, from January 1841 to December 1847 inclusive; to which may be added, as available for present discussion, the results obtained in 1848 received since the tabular portion of the volume was printed. For the first eight months of 1841 the number of determinations in each month varied from 1 to 4; but since October 1841, in consequence of a supplemental instruction from the Royal Society dated in January 1841, two determinations or more have generally been made weekly, on Tuesday in the forenoon and on Friday in the afternoon, at times not less than three hours distant from noon, and in a detached building.

Table XXIV. contains the mean results of the observations in each month, with the number of determinations of which it is the representative.

TABLE XXIV.

MONTHS.	1841		1842		1843		1844		1845		1846		1847		1848	
	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.	No. of Deter.	Inclin. - 70°.
January .	2	44.3	10	38.9	20	42.9	10	35.2	13	35.4	15	32.4	9	36.0	9	31.0
February	2	42.1	9	41.2	24	43.6	8	36.7	8	32.2	7	31.2	8	33.5	8	36.7
March .	2	41.7	9	41.5	12	42.2	8	32.9	6	33.6	9	35.0	9	36.3	9	36.2
April .	4	38.0	11	43.5	26	37.3	10	27.4	9	33.6	7	33.8	8	35.0	7	38.1
May .	1	37.0	12	43.1	33	40.2	6	33.6	9	28.5	8	37.8	9	36.3	9	37.2
June .	2	38.3	10	44.3	15	35.6	8	33.6	8	35.4	9	31.8	8	24.5	9	32.6
July .	2	35.8	11	43.3	8	36.2	10	30.5	14	36.1	9	33.3	9	26.2	9	36.7
August .	2	35.7	10	43.8	9	35.8	7	33.3	8	28.9	9	26.7	9	30.4	8	30.6
September	—	—	10	43.7	8	36.5	8	30.9	10	24.9	8	32.6	8	36.1	8	42.7
October .	8	37.2	10	40.7	9	35.1	9	33.9	8	32.8	9	32.1	9	37.9	9	35.8
November	14	35.5	9	41.4	9	37.0	8	40.3	9	28.2	9	36.8	9	42.7	8	30.9
December	9	38.7	13	41.4	8	35.8	9	31.1	8	34.0	7	32.6	9	39.4	9	39.5

Absolute Value.—Omitting the few observations made in 1841, before the house designed for this class of observations was completed, we have a series of 87 monthly determinations, commencing in October 1841. The arithmetical mean of these is $-70^{\circ} 35' 60$, corresponding to their middle period, or to May 1845. If we were to consider the 87 results as strictly intercomparable, the probable error of their arithmetical mean is $\pm 0' 34$; and the probable error of a single monthly determination $\pm 3' 15$. Possibly however they may not be strictly intercomparable, as three circles and eight needles were employed at different times in the course of the series, and it is well known that these instruments, even when made by the best artists, are liable to small but constant instrumental errors in particular positions of the needle. That such errors, if they existed in any of the Hobarton instruments, must have been very small, is shown by the general agreement of the results, as well as by the observations in different azimuths in May 1843. As regards the absolute value of the inclination, the comparative security against the effects of *constant* instrumental errors, afforded by the

employment of several instruments, may deserve to be esteemed an advantage, though the "probable errors" derived from the series may thus be greater than would be derived from a series in which all the observations should have been made with the same instrument. For the purpose of showing the probable error derivable from a series of the latter description, we may take the series of 68 monthly determinations, commencing in May 1843, all of which were made exclusively with one of Robinson's 9-inch circles and its needle (A 2). The arithmetical mean of these is $-70^{\circ} 34' 02$, corresponding to the middle period of the 68 results, or to March 1846, with a probable error of $\pm 0' 31$, and the probable error of a single monthly determination $\pm 2' 57$. We see that the probable error derived from 68 results with a single instrument is less than that derived from 87 results with different instruments; a circumstance which is of itself indicative of the existence of such small constant errors, or instrumental differences, as have been referred to; and this indication is further strengthened by the want of perfect agreement in the general mean results of the two series, the arithmetical mean of the 87 monthly determinations being $-70^{\circ} 35' 60$, and that of the 68 monthly determinations $-70^{\circ} 34' 02$. It is true that the first of these mean results refers to May 1845, and the second to March 1846; and the difference between them of $1' 58$ might be supposed to be occasioned by secular change in the interval; but it will be seen by the investigation in the next section that this explanation is not applicable. We must therefore regard this small difference as due to small but constant errors in some of the instruments employed; whence it follows that the mean result of the longer series with different instruments is on the whole to be preferred, in respect to *absolute value*, to that of the shorter series in which only a single instrument was used.

Secular Change.—For the determination of secular change, the monthly results from which it is to be derived cannot be too strictly intercomparable; for this reason the series of 68 monthly results, obtained exclusively with Robinson's circle and needle, is preferable to the longer series of 87 monthly results, in which several instruments were used. From each of the 68 monthly determinations we may derive an equation of the form $\theta' = \theta + a y$, in which θ is the most probable value of the inclination in March 1845, θ' the observed inclination in any other month, a the interval in months between the date of θ' and March the 1st, 1846, and y the monthly variation occasioned by secular change. Regarding each of the monthly determinations as of equal weight (which is at least very nearly the case) the 68 equations treated by the method of least squares give $\theta = -70^{\circ} 34' 02$ as the most probable value of the inclination in March 1846 (as already stated), and $y = -0' 0056$, equivalent to a mean secular decrease of inclination in each year of $0' 067$.

Annual Variation.—In this investigation we may safely disregard a secular change so small as that which has been just derived, and we may obtain at once from the series commencing in October 1841, a mean value of the inclination for each month in

the year, by taking in each case a mean of the values which are in the same horizontal line in Table XXIV.

From the series commencing October 1841, (general mean $- 70^{\circ} 35' \cdot 60$).

January. Mean of 7 years	$- 70^{\circ} 35' \cdot 97$	} Arithmetical Differences from the Mean.	} $+ 0 \cdot 37$	
February	37 \cdot 44			$+ 1 \cdot 84$
March	36 \cdot 81			$+ 1 \cdot 21$
April	35 \cdot 53			$- 0 \cdot 07$
May	36 \cdot 67			$+ 1 \cdot 07$
June	33 \cdot 97			$- 1 \cdot 63$
July	34 \cdot 61			$- 1 \cdot 01$
August	32 \cdot 79			$- 2 \cdot 81$
September	35 \cdot 34			$- 0 \cdot 26$
October. Mean of 8 years	35 \cdot 69			$+ 0 \cdot 09$
November	36 \cdot 60			$+ 1 \cdot 00$
December	36 \cdot 56			$+ 0 \cdot 96$

We have here a tolerably consistent indication of the existence of an annual variation, the south dip being less when the sun is in the northern signs than when he is in the southern signs: the mean inclination from April to August inclusive is $- 70^{\circ} 34' \cdot 71$, and from October to February inclusive $- 70^{\circ} 36' \cdot 45$; the difference is $1 \cdot 74$, and the half-difference, or the average excess of south inclination in the months when the sun is in the southern signs, and the average defect when he is in the northern signs, $0 \cdot 87$.

TOTAL MAGNETIC FORCE.

Absolute Value.—The value of the horizontal component of the force corresponding to the middle of the year 1846 being $4 \cdot 4895$ (page xxxix.), and of the inclination corresponding to the same period $- 70^{\circ} 35' \cdot 5$ (pages lxxiii. and lxxiv.) we have for the value of the total force in absolute measure $4 \cdot 4895 \times \sec. - 70^{\circ} 35' \cdot 5 = 13 \cdot 5104$. This result may be liable to receive a very slight correction, when the constants of inertia and induction shall be finally determined, on the return to Woolwich of the instruments employed in the observations of the absolute horizontal force.

Secular Change.—The elements from which we have to derive the secular change of the total force are the secular changes of the horizontal component, and of the inclination, derived from the observations; namely, an annual decrease of $\cdot 0027$ in absolute measure of the horizontal force (page xi.), and an annual decrease of $0 \cdot 07$ of south inclination (page lxxiv.) A decrease of the inclination must necessarily produce, from the principles of the resolution of forces, an increase in the horizontal force; but as it appears by the observations of the absolute horizontal force that that element is actually diminishing instead of increasing, it results that the total magnetic force at Hobarton is undergoing a secular decrease sufficient to produce in its horizontal component an annual diminution of $\cdot 0027 + \cdot 0002$ (the equivalent increase to a decrease of $0 \cdot 07$ of inclination) $= \cdot 0029$. We have reason therefore to conclude that the total

magnetic force at Hobarton undergoes at the present epoch a small annual decrease, the exact amount of which will be more appropriately assigned, when the series of absolute determinations has been longer continued.

Annual Variation.—It has been shown in page lxxv. that on the average of determinations made monthly during $7\frac{3}{4}$ years, the south inclination at Hobarton is about $1' \cdot 74$ greater during the months when the sun is in the southern signs than when he is in the northern signs. This annual variation of the inclination is equivalent, in the resolution of the total force into its horizontal and vertical components, to a decrease of $\cdot 0062$ in the horizontal force. If the total force therefore be supposed to have no annual variation, the mean monthly value of the horizontal force should be $\cdot 0062$ less from October to February than in the opposite season of the year, being the mechanical effect of the annual variation in the magnetic *direction*. But the experiments on the absolute horizontal force, page xl., have shown that the mean monthly value of the horizontal force is actually greater on the average from October to February than from April to August. It results therefore that the total magnetic force at Hobarton is subject to an annual variation, being greater from October to February, or when the sun is in the southern signs, than from April to August, when he is in the northern signs. The precise value of the mean difference at the two seasons will be more appropriately given when the series of observations from which it may be derived shall have been longer continued.

The results in respect to the annual variation of the magnetic elements at Hobarton, may be generally stated therefore as follows:—from October to February the total force and the south inclination are greater than from April to August, and the south end of the needle points a little more to the westward from October to February than from April to August.

Term Day Observations.—The special object for which Term Observations were undertaken, is stated in the Instructions of the Royal Society, to be the “full elucidation of the laws of what have been called the irregular perturbations of the resultant direction and intensity of the magnetic forces;” and primarily to ascertain whether the perturbations (otherwise expressed as “the shocks to which the magnetic needle is subject”), “are of a local, or of a universal character, as regards the globe.”

In the 1st volume of the Observations made at the Toronto Observatory, thirty-five plates were given, comparing the fluctuations of the declination and of the horizontal force, as observed on the term days of 1840, 1841, and 1842, in America and in Europe; in America at the three stations of Toronto, Philadelphia, and Boston, and in Europe, at Prague, or at Breslau. It resulted from this comparison, that a similar correspondence to that which had been shown by MM. Gauss and Weber to prevail in the fluctuations of the declination and horizontal force at the European stations

comprehended in the "Magnetischen Verein," existed in quite as remarkable a degree over a large portion of the American continent; but that the correspondence so strikingly manifested in the fluctuations over each of the two continents separately considered, did not prevail in anything like the same degree, when the two continents were compared together.* It was remarked that "indications are not wanted of participation in disturbances having a common cause. The character of the term day, in respect to the degree of disturbance by which the magnetometers are affected, may be always derived alike, whether we view the European, or the American curves; and instances are not infrequent of individual perturbations, common to both continents, having their culminating points at the same observation instant. There are sometimes disturbances in the same direction in both continents, and sometimes in opposite directions. On the other hand there are perturbations, and occasionally of considerable magnitude, on the one continent, of which no trace is visible on the other." The general conclusion from the comparison presented in the Toronto volume, therefore, so far as it went, was in favour of the existence of both local and general perturbations.

The comparison thus referred to was, however, necessarily defective. The term days at Prague and at Boston furnished no determinations of the third observational element, *viz.*, of the vertical force; consequently the fluctuations of the magnetic *direction* were imperfectly exhibited, being confined to those only which are measured in the horizontal plane; whilst the fluctuations of the magnetic *force* could scarcely be judged of at all by any but a very well practised eye, as the bifilar magnetometer acts at a great mechanical disadvantage, in respect to the total magnetic force, when the inclination is so considerable as at the stations in question. For the first steps in the inquiry relative to these remarkable phenomena, the diagrams in the "Resultate aus den Beobachtungen des Magnetischen Vereins," in the "Toronto volume" referred to, and in other works of the same period, are, as we have seen, not without valuable instruction; but it was obvious that, to carry out the full purpose of the Royal Society, it would be necessary that the three magnetic elements, giving the complete representation of the fluctuations of the magnetic direction and force, should be observed on term days, and during disturbances of unusual magnitude, and that in consequence of the influence of mechanical causes on the horizontal and vertical components of the force, in inclinations of different magnitudes, the observational elements should be reduced to their theoretical equivalents of declination, inclination, and total force; as well as cleared from the differences introduced in simultaneous observations, at stations differing widely in geographical longitude, by the regular diurnal variation at each station. In the volume containing the Observations of Unusual Disturbance at the British Colonial Observatories, from 1842 to 1845 inclusive, now in the press, these reductions are made. But in the mean time the observations on the term days in 1840-1842 at Hobarton, published in the present volume, permit the comparison commenced by MM. Gauss and Weber, and

* Toronto Observations, page lxx.

continued in the Toronto volume as above noticed, to be pushed a step further. We are now enabled to compare the simultaneous affection of the three elements on the term days in *opposite hemispheres*, and at two stations, Hobarton and Toronto, which were specially chosen, as being nearly at the greatest possible distance from each other on the globe. I have selected a single term day, that of April 1842, for the purpose of showing, in Plate IV., the nature of the conclusions to which the comparison tends. The diagrams exhibit the disturbance at the several instants of simultaneous observation at the two stations of the declination, inclination, and total force, from their respective mean monthly values at the same hours during the month of April; these last being regarded as normal values, and the differences from them as disturbances. The normal values are represented in the diagrams by a dotted line; and the same line serves for the three elements. The scales on which the disturbances are drawn are the same at both stations, and we are thus enabled to perceive on the first glance, that the degree of disturbance which prevailed on this term day, was nearly alike at Hobarton, in the southern, and at Toronto, in the northern hemisphere. The remark drawn from the comparison of the European and American Observations, that "the character of the term day, in respect to the degree of disturbance by which the magnetometers are affected, may be derived alike, whether we view the American or the European curves," is indeed quite as applicable to the phenomena of the two hemispheres, viewing Toronto and Hobarton as their representatives; and when we proceed to a somewhat closer examination, we are impressed with the further conviction, that many of the particular disturbances which contribute to form the general character of the day in this respect, are in fact affections of the whole globe, manifesting themselves simultaneously at stations the most widely removed from each other. The disturbances of most remarkable character in the 24 hours of the April term day occurred at both stations, at and about 16^h. and 20^h. of the 20th of April, and at and about noon of the 21st: and the instants of extreme disturbance are not infrequently as nearly identical at both stations, as the nature of the observation will permit. On a still closer examination, very many of the culminating points of minor disturbances, occurring at other parts of the term day, show a degree of accordance in point of time indicative of general, rather than of local affection; it being remembered, that in a general affection it is by no means necessary to suppose, that because one element in particular is affected at one station the same element should be affected at all; for on the contrary, it is rather to be expected that a superimposed force acting simultaneously at all parts of the globe should affect the elements variously in different quarters of the globe. As far as the examination has yet been made, there appears no reason to consider that the disturbances in the two hemispheres have a more local, or less universal character than those of the two continents—rather the contrary; but this latter inference may be influenced by the circumstance above noticed, that the comparison between the two continents has been hitherto imperfect in respect to the elements compared.

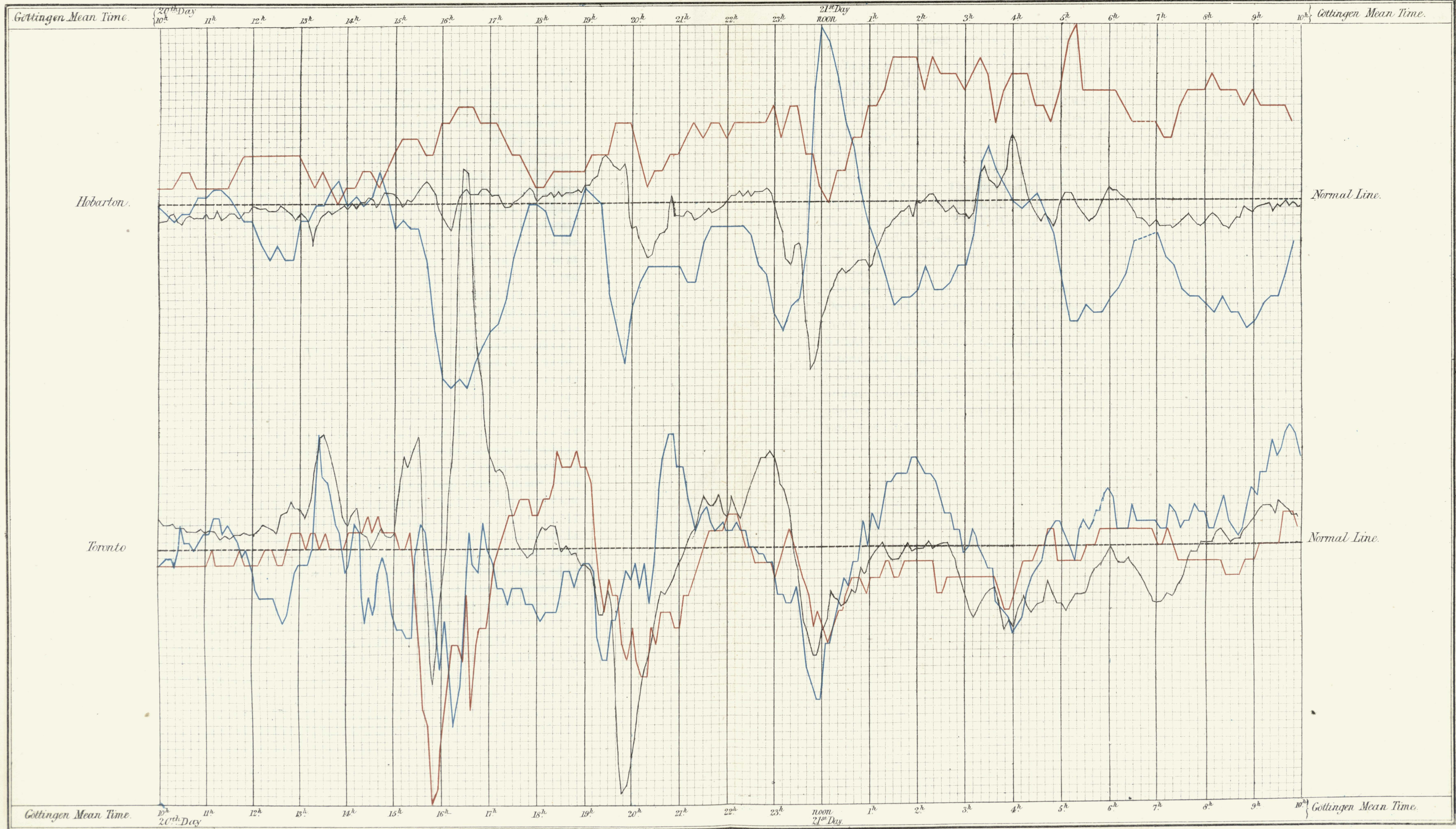
Term Day April 1842; Hobarton and Toronto; Declination, Inclination and Total Force.

Declination — Scale 1 inch to 6'.

Inclination — Scale 1 inch to 1'.

Total Force — Scale 1 inch to '0005 parts of the Force

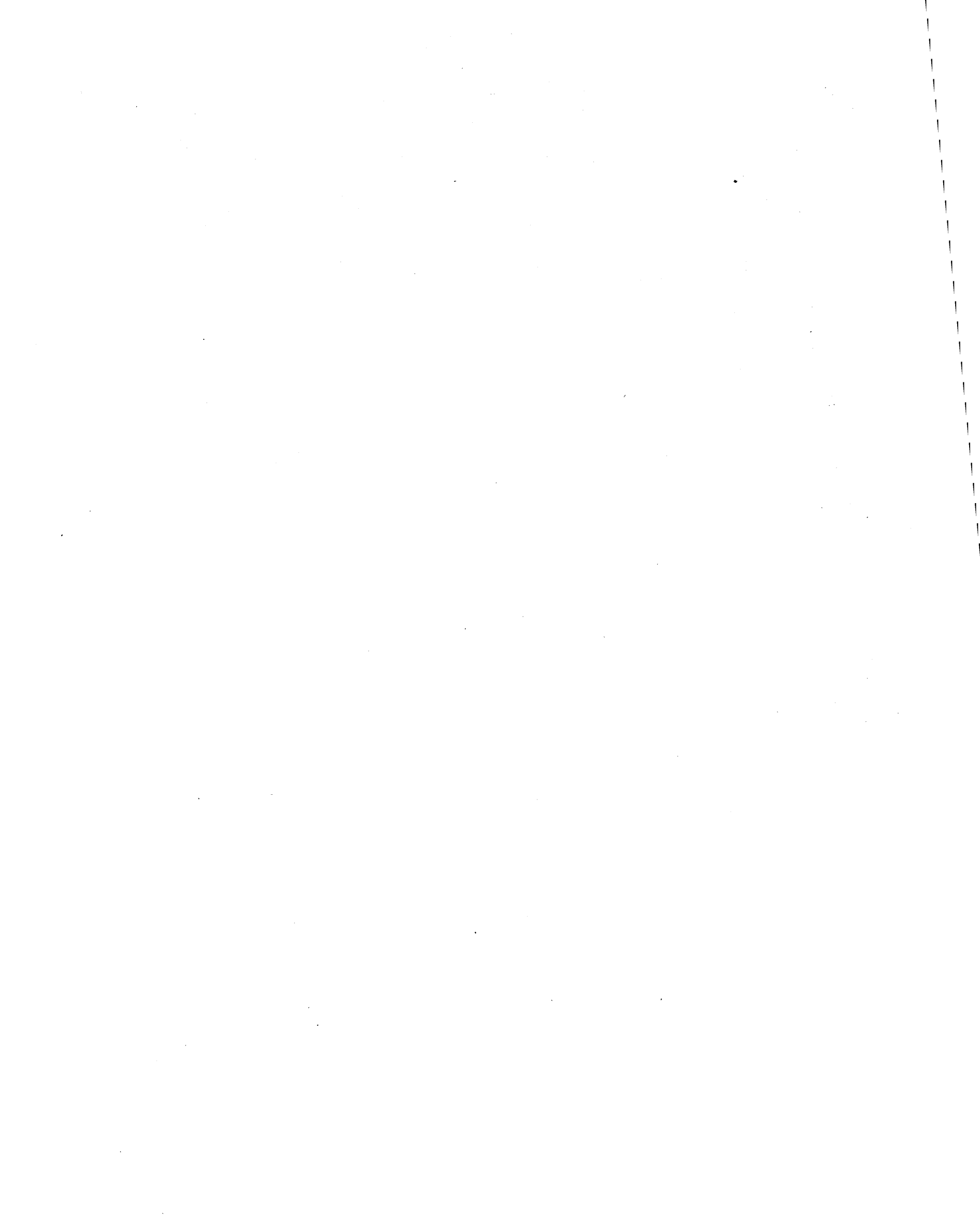
Plate IV.



↑ Increasing East Declination and decreasing South Inclination at Hobarton.
 ↓ Decreasing West Declination and decreasing North Inclination at Toronto.

↑ Increasing Total Force at both Stations.

Hourly and Term Observations of the Antarctic Expedition.—In pages 352 to 377 are inserted the observations on Term days, made by the Antarctic Expedition under Sir James Clark Ross, on occasions when the ships were in harbour during the years 1840, 1841 and 1842. With these observations are given the mean indications of the Magnetometers observed at every hour of Göttingen mean Solar Time, during the month or portion of the month in which hourly observations were made; and from these the diurnal variation at the particular station and period of the year is derived and shewn. The Declination and Bifilar Magnetometers employed in these observations were similar in all respects to those used at Hobarton and at the other fixed Observatories. The Vertical Force Magnetometer with which the Expedition was supplied was also set up at each of the stations and observed with the others; but, in consequence of some misunderstanding of the instructions received in Dublin, no observations were made from which the value of the scale coefficients of this instrument can be derived. The record in this volume of the Term Observations of the Declination and Horizontal Force Magnetometers, contains the readings of those instruments at the epochs of observation which were directed in the Instructions of the Royal Society to be those of general simultaneous observation, which instructions of course determined the general practice. In the Antarctic Expedition, where observers were numerous, the three magnetometers were all observed at intervals of $2\frac{1}{2}$ minutes. The original manuscript record of these observations is carefully preserved, but those observations only are printed in this volume which were simultaneous with the observations at other stations.



ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

METEOROLOGICAL INSTRUMENTS.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

 METEOROLOGICAL INSTRUMENTS.

THE standard thermometer, the standard barometer, and the wet and dry thermometers with which the Observatory at Hobarton was furnished, were similar to those which have been described in the Volumes of the Toronto and St. Helena Observations, as being in use at those Observatories.

Tables XXV. and XXVI. contain the means of the thermometer and barometer at every hour of mean solar time in each of the months from January 1841 to September 1848 inclusive; as well as the average hourly and monthly means for the whole period. Tables XXVII. and XXVIII. contain the results of the observations of the wet and dry thermometers, in the form of tables of the mean tension of the vapour and of the mean degree of humidity computed by means of M. K upffer's tables, at each of the 24 hours of mean solar time in each month from January 1841 to September 1848 inclusive; as well as the average hourly and monthly means for the whole period. Tables XXIX. to XXXIII. exhibit in one view the mean temperature, the mean barometric pressure, the mean elastic force of the vapour, the mean degree of humidity, and the mean gaseous pressure (or the mean barometric pressure diminished by the mean elastic force of the vapour), for each month of the year; the values in the different months from January to September inclusive, being the average of 8 years, *i. e.*, from 1841 to 1848 inclusive; and the values of the remaining three months, *viz.*, October, November and December, being the average of 7 years, *i. e.*, from 1841 to 1847 inclusive. Table XXXIV shows the mean annual variations of the meteorological phenomena derived from the preceding tables; and Table XXXV. their mean diurnal variations.

The direction and force of the wind have been given in this volume for every second hour of mean solar time, in the years 1841 and 1842; the figures employed to denote the force of the wind are those of Sir Francis Beaufort's scale, in use amongst the officers of the British Navy. It is reserved to a subsequent volume to discuss the phenomena of the wind in these and the following years in connexion with the other meteorological phenomena, and the course which the discussion may assume will determine the most convenient form of abstracts in which the force and direction of the wind should be given. The same opportunity will be taken of discussing the peculiarities of the climate of Hobarton, as exhibited in the Meteorological Abstracts now submitted.

TABLE XXV.—*Monthly Means of the Temperature for every Hour*

Van Diemen Island Time.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
JANUARY.	1841	76.8	76.9	77.4	76.7	74.8	72.1	68.2	65.1	62.4	61.2	60.2
	1842	71.8	72.8	72.9	72.2	71.1	68.7	65.3	62.5	60.0	58.6	57.7
	1843	69.4	70.0	70.8	70.1	69.7	69.4	66.3	63.0	60.5	59.0	58.0
	1844	66.6	67.7	67.8	67.5	67.2	66.8	64.4	62.0	60.0	58.7	57.9
	1845	71.4	71.7	71.8	71.1	70.0	68.2	65.6	63.3	61.3	60.4	59.4
	1846	68.8	69.7	69.7	69.1	68.6	66.8	64.0	61.5	59.8	58.9	58.2
	1847	68.2	69.3	69.4	68.3	67.6	66.8	65.2	62.3	60.1	59.3	58.4
	1848	67.1	67.5	67.4	66.7	65.5	64.4	62.7	59.6	58.1	57.3	56.3
Hourly Means		70.01	70.70	70.90	70.21	69.31	67.90	65.21	62.41	60.27	59.17	58.26
FEBRUARY.	1841	72.1	71.9	71.5	70.8	69.4	67.7	64.5	61.9	60.5	59.6	58.9
	1842	72.2	72.6	72.0	70.7	69.4	67.5	65.0	62.6	61.0	59.8	59.1
	1843	70.4	71.5	71.7	71.8	70.3	68.5	66.0	63.7	61.8	60.5	59.8
	1844	70.1	71.3	71.7	71.4	71.1	69.4	66.5	63.5	61.3	60.3	59.3
	1845	66.4	67.4	67.9	67.4	66.8	65.8	63.4	61.3	59.8	58.8	57.9
	1846	64.9	66.2	66.3	66.5	65.7	63.8	61.2	58.8	57.3	56.3	55.4
	1847	67.1	67.7	68.3	67.9	67.0	65.2	62.3	60.3	59.2	58.6	58.1
	1848	65.8	65.8	65.4	65.2	64.3	63.1	60.9	59.3	58.0	56.9	56.2
Hourly Means		68.63	69.30	69.35	68.96	68.00	66.38	63.73	61.83	59.86	58.85	58.09
MARCH.	1841	70.1	71.8	72.3	71.4	69.7	67.4	64.1	61.5	60.1	58.2	57.5
	1842	67.3	68.4	68.5	67.3	66.0	63.6	60.3	58.1	56.9	56.5	55.6
	1843	66.6	67.8	68.1	67.7	67.3	65.6	62.6	60.6	59.6	58.1	57.4
	1844	62.0	62.9	63.8	64.2	63.6	61.2	58.3	56.2	55.2	54.8	54.0
	1845	66.4	67.8	68.5	68.1	66.2	63.9	61.4	60.1	59.0	58.1	57.0
	1846	64.4	65.0	64.6	64.4	62.9	61.3	59.5	58.0	56.7	56.2	55.2
	1847	63.5	63.9	64.1	63.5	62.6	61.2	59.0	57.7	56.9	56.5	56.0
	1848	65.5	66.3	66.7	66.4	65.6	63.5	61.3	59.8	58.8	58.1	57.2
Hourly Means		65.73	66.74	67.08	66.63	65.49	63.46	60.81	59.00	57.90	57.06	56.24
APRIL.	1841	59.5	60.6	60.9	60.4	58.8	56.4	54.4	53.2	52.6	52.2	51.8
	1842	59.1	60.4	60.9	59.8	58.0	55.7	53.9	52.5	51.9	51.1	50.5
	1843	58.6	58.8	60.0	59.3	58.2	56.2	54.3	53.0	52.0	51.1	50.5
	1844	55.8	56.9	57.1	56.8	55.6	53.8	51.9	50.6	49.5	48.6	47.8
	1845	60.3	61.1	61.0	60.6	59.1	57.2	55.6	54.4	53.3	52.9	52.2
	1846	58.3	58.8	59.2	58.4	56.9	55.3	53.9	52.9	52.1	51.7	51.2
	1847	58.2	58.9	59.1	58.8	57.2	55.7	54.0	53.3	52.6	52.3	51.6
	1848	62.1	63.3	63.2	62.9	61.8	59.4	57.5	56.5	55.7	55.2	54.6
Hourly Means		58.99	59.85	60.18	59.63	58.20	56.21	54.44	53.30	52.46	51.89	51.28

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Mean.
59.4	58.6	57.8	57.0	56.0	55.8	55.7	57.6	61.1	64.4	67.9	71.6	75.0	65.38
56.6	55.7	54.9	54.5	54.2	53.9	53.6	55.3	58.3	61.5	64.7	67.7	69.6	62.25
57.0	56.7	55.9	55.3	55.1	54.6	54.5	56.0	58.1	60.8	63.2	65.5	66.8	61.90
57.6	56.2	55.9	54.9	54.5	54.3	53.7	54.7	56.8	59.9	61.4	63.2	64.9	60.61
58.5	57.7	56.7	56.4	55.7	55.7	55.2	57.0	59.6	62.4	65.5	68.2	70.2	63.04
57.6	57.1	57.1	56.2	55.8	56.0	55.8	57.1	59.2	61.0	62.7	64.8	67.3	61.78
57.7	57.3	56.6	56.2	55.9	55.4	55.2	56.8	59.2	61.3	63.9	65.4	66.5	61.76
55.6	55.4	55.4	54.4	54.0	53.7	53.2	55.3	58.0	60.8	63.5	65.1	66.0	60.12
57.50	56.84	56.29	55.61	55.15	54.92	54.61	56.22	58.79	61.51	64.10	66.44	68.29	62.11
58.3	57.5	56.9	56.4	56.3	55.8	55.5	56.5	58.7	61.8	64.9	67.5	67.4	62.60
58.3	58.6	58.0	57.8	56.9	56.7	56.4	56.9	58.8	60.8	64.6	67.5	70.1	63.05
59.1	58.6	58.1	57.6	56.6	56.4	55.9	56.6	58.4	61.0	64.2	66.9	69.0	63.10
58.3	57.9	57.3	57.1	56.7	56.3	55.7	56.0	57.8	60.5	63.3	65.8	67.9	62.77
57.1	56.7	56.3	55.4	54.9	54.4	54.4	54.8	56.6	58.6	60.7	63.0	64.8	60.44
54.9	54.5	53.4	54.2	54.0	53.7	53.6	53.8	55.5	57.8	60.0	61.9	63.4	58.88
57.6	57.2	56.7	56.1	55.9	55.7	55.3	55.6	57.4	59.7	62.2	64.0	65.4	60.85
55.7	55.1	55.4	54.7	54.2	53.8	53.5	54.3	56.4	58.7	61.2	63.5	65.2	59.27
57.41	57.01	56.51	56.16	55.69	55.35	55.04	55.56	57.45	59.86	62.64	65.01	66.65	61.37
57.1	56.6	55.9	55.3	55.0	54.8	54.4	54.2	55.3	58.4	61.7	64.2	67.7	61.45
54.8	54.5	54.2	53.7	53.4	53.1	52.6	52.9	54.4	56.9	60.3	63.1	65.7	59.09
56.6	56.3	55.7	55.3	54.3	54.3	54.5	53.7	54.7	57.2	59.7	62.3	64.5	60.02
53.5	52.3	51.7	51.5	51.2	50.9	50.6	50.6	51.9	54.0	56.2	58.7	60.6	56.25
55.9	54.3	53.7	53.6	52.8	52.8	53.0	52.4	53.7	56.0	58.9	61.6	63.8	59.13
54.7	54.2	54.1	53.4	53.0	52.7	52.9	52.5	53.7	55.8	59.0	61.5	63.2	57.87
55.6	55.2	55.0	54.3	54.0	53.6	53.2	53.1	54.1	56.0	58.5	60.7	62.4	57.94
56.7	55.9	55.1	54.7	54.5	54.3	54.4	54.3	55.7	57.5	60.0	62.3	63.8	59.51
55.61	54.91	54.43	53.98	53.53	53.31	53.20	52.96	54.19	56.48	59.29	61.80	63.96	58.91
51.1	49.5	48.7	48.2	48.0	47.9	47.3	47.0	47.3	49.1	51.6	54.4	57.3	52.84
50.1	49.1	48.8	48.6	48.3	47.9	47.5	47.6	47.9	49.6	51.9	54.6	56.9	52.61
50.0	49.3	49.4	48.8	48.4	48.1	48.0	47.4	47.3	48.8	51.5	54.6	56.6	52.51
47.4	46.8	46.5	45.8	45.5	45.2	45.3	44.8	44.9	46.4	48.9	51.6	53.8	49.89
51.8	51.4	50.8	50.4	50.0	49.8	48.9	49.1	49.5	51.4	53.9	56.3	58.8	54.16
50.9	51.0	51.0	50.8	50.5	50.3	50.2	49.9	50.1	51.3	53.2	55.2	56.7	53.33
50.9	51.1	51.0	50.2	49.8	49.7	49.6	49.4	49.6	50.7	52.9	55.0	56.8	53.27
54.2	53.6	53.9	53.5	53.4	53.2	52.8	52.3	52.8	54.7	57.1	59.1	60.6	56.81
50.80	50.23	50.01	49.54	49.24	49.01	48.70	48.44	48.68	50.25	52.63	55.10	57.19	53.18

TABLE XXV.—*Monthly Means of the Temperature for every Hour*

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
MAY.	1841	54.9	56.0	56.0	55.6	53.9	51.6	50.1	48.9	48.4	48.1	47.7
	1842	55.0	55.6	55.8	55.2	53.5	51.7	50.4	49.7	49.3	49.3	48.9
	1843	56.6	57.9	58.3	58.0	56.5	54.5	52.8	51.8	51.0	50.3	49.7
	1844	54.1	55.1	55.5	55.1	53.8	52.2	51.0	50.0	49.4	48.8	48.2
	1845	52.7	53.9	54.1	53.5	52.2	50.7	49.5	48.7	48.2	47.7	47.3
	1846	52.0	52.9	53.3	52.8	51.4	50.1	48.9	48.1	47.5	47.3	46.8
	1847	52.1	53.0	53.4	52.6	51.4	49.5	48.5	47.9	47.2	47.1	46.8
	1848	52.9	53.6	53.7	53.3	52.1	50.6	49.6	49.1	48.5	48.2	47.8
Hourly Means	53.79	54.75	55.00	54.51	53.10	51.36	50.10	49.27	48.69	48.35	47.90	
JUNE.	1841	51.0	52.1	52.6	52.1	50.4	48.2	46.8	46.3	45.5	45.5	45.2
	1842	48.3	49.2	49.5	49.2	48.0	46.5	45.6	45.0	44.6	44.7	44.0
	1843	51.4	52.6	52.7	52.5	51.2	49.6	48.6	47.8	47.4	47.2	46.9
	1844	47.7	48.3	48.5	48.4	47.1	45.6	44.4	43.7	43.4	43.7	43.5
	1845	48.2	49.2	49.4	48.8	47.8	46.8	45.9	45.5	45.0	44.8	44.4
	1846	49.2	50.1	50.5	49.9	48.6	47.1	46.2	45.5	44.8	44.8	44.5
	1847	47.4	48.2	48.6	48.2	46.8	45.1	43.9	43.5	42.9	42.7	42.4
	1848	49.6	50.5	50.8	50.0	48.6	46.9	45.8	45.3	44.8	44.9	44.6
Hourly Means	49.10	50.02	50.33	49.89	48.56	46.98	45.90	45.33	44.80	44.79	44.44	
JULY.	1841	47.5	49.3	49.9	49.4	48.1	45.6	43.8	42.9	42.5	41.8	41.3
	1842	48.2	49.1	49.5	49.3	48.4	47.1	45.9	45.1	44.5	44.0	43.8
	1843	47.0	48.1	48.5	48.6	47.8	46.5	45.6	44.9	44.6	44.2	43.9
	1844	46.3	47.1	47.7	47.5	46.6	45.3	44.1	43.1	42.4	42.0	41.6
	1845	49.5	50.9	51.6	50.7	49.2	47.3	46.0	45.3	44.6	44.3	43.9
	1846	46.6	47.9	48.4	48.2	46.8	45.2	44.0	43.1	42.4	42.2	41.8
	1847	48.0	48.8	48.8	48.5	47.5	45.9	44.9	44.4	43.8	43.2	42.8
	1848	46.7	47.7	48.3	47.7	46.6	45.1	44.1	43.2	42.6	42.1	41.7
Hourly Means	47.48	48.61	49.09	48.74	47.63	46.00	44.80	44.00	43.42	42.97	42.60	
AUGUST.	1841	52.5	53.7	54.2	53.5	51.7	49.2	47.3	46.2	45.5	45.1	44.4
	1842	51.3	52.1	52.8	52.6	51.6	49.8	48.1	46.8	46.1	45.2	44.7
	1843	51.9	52.9	53.3	53.0	52.1	50.5	48.9	47.7	46.8	46.1	45.5
	1844	48.7	49.8	50.1	49.8	48.9	47.5	46.0	44.8	44.1	43.1	42.7
	1845	51.8	53.0	53.3	52.7	51.7	49.6	48.0	46.8	45.5	44.8	44.4
	1846	49.2	50.4	50.8	50.3	49.2	47.6	45.9	44.9	44.2	43.3	42.7
	1847	53.3	54.1	54.7	54.4	53.0	50.9	49.3	48.2	47.5	46.5	46.1
	1848	50.6	51.4	51.4	50.7	49.7	47.8	46.2	45.2	44.7	43.9	43.6
Hourly Means	51.16	52.18	52.58	52.13	50.99	49.11	47.46	46.33	45.55	44.75	44.26	

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
47.3	47.2	47.0	46.5	46.3	46.1	45.8	45.5	45.2	46.1	48.3	50.5	52.8	49.41
48.6	48.6	48.4	48.1	48.1	48.3	47.9	47.7	47.6	48.1	49.8	51.5	53.6	50.45
49.4	49.1	48.9	48.4	47.9	47.7	47.5	47.1	46.8	47.6	49.6	52.0	54.2	51.40
47.9	48.1	47.9	47.8	47.5	47.2	47.2	46.9	46.8	47.4	48.9	50.8	52.7	50.01
46.9	46.5	46.6	45.9	45.7	45.4	44.6	44.6	44.4	45.0	47.0	49.3	51.0	48.39
46.4	45.8	45.7	45.8	45.5	45.3	45.4	45.0	45.1	46.1	48.1	49.5	50.8	48.15
46.6	45.6	44.4	44.9	44.6	44.4	44.1	43.8	43.8	44.6	46.3	48.8	50.9	47.60
47.5	47.7	47.0	47.1	46.7	46.4	46.1	45.9	46.0	46.6	48.3	50.2	51.7	49.02
47.57	47.32	46.99	46.81	46.54	46.35	46.07	45.81	45.71	46.44	48.29	50.33	52.21	49.30
44.8	44.3	44.0	43.8	43.3	42.9	42.4	42.3	42.2	42.8	44.9	46.8	48.8	46.21
43.8	43.7	43.5	43.3	42.8	42.7	42.9	42.7	42.7	43.0	44.2	45.5	46.9	45.10
46.6	46.0	45.9	45.5	46.1	44.9	45.3	45.0	44.9	44.7	45.8	47.7	49.6	47.75
43.2	42.7	42.5	42.3	42.0	41.8	41.8	41.7	41.4	41.6	42.6	44.4	46.2	44.10
44.2	44.1	43.8	43.3	43.1	42.8	42.8	42.3	41.7	41.8	43.5	45.3	46.8	45.05
44.2	44.4	43.8	43.8	43.6	43.3	43.4	42.7	42.5	43.2	44.7	46.4	48.0	45.63
41.8	41.6	41.5	40.7	40.5	40.0	39.9	39.5	39.4	39.7	41.3	43.3	45.3	43.09
44.4	44.1	44.1	44.2	43.8	43.6	43.5	43.3	43.2	43.2	44.9	46.6	48.3	45.79
44.12	43.86	43.64	43.36	43.15	42.75	42.75	42.44	42.25	42.50	43.99	45.75	47.49	45.34
41.0	39.9	39.5	39.3	38.9	38.7	38.5	38.2	38.2	38.6	40.6	42.9	45.3	42.57
43.4	43.9	43.4	43.2	43.0	42.9	42.7	42.7	42.7	43.1	44.0	45.3	46.9	45.09
43.5	42.4	42.0	41.7	41.4	41.4	41.0	40.9	41.0	41.3	43.1	44.4	46.0	44.16
41.4	41.7	41.4	41.3	41.2	40.8	40.6	40.3	40.0	40.1	41.6	43.6	45.2	43.04
43.6	44.0	43.8	43.6	43.1	42.7	42.5	41.9	41.8	42.3	44.2	46.3	48.2	45.47
41.5	41.3	41.4	40.4	40.1	39.7	39.0	39.0	39.1	39.6	41.2	43.0	45.0	42.79
42.6	42.5	42.2	41.7	41.3	40.9	40.8	40.5	40.6	41.1	42.7	44.7	46.4	43.94
41.4	41.1	40.6	40.4	40.0	39.8	39.6	39.4	39.5	40.1	41.7	43.5	45.1	42.83
42.30	42.10	41.79	41.45	41.13	40.86	40.59	40.36	40.36	40.78	42.39	44.21	46.01	43.73
44.1	43.8	43.3	43.1	43.0	42.8	42.4	42.4	42.4	43.8	46.1	48.5	51.0	46.67
44.3	43.5	42.5	42.8	42.4	42.2	41.7	41.6	41.7	42.7	44.6	46.9	49.3	46.14
45.3	45.2	44.4	44.2	44.0	43.6	43.1	42.7	42.9	44.0	45.8	48.0	50.2	47.17
42.5	41.9	41.7	41.5	41.4	41.1	40.8	40.8	40.5	41.4	42.9	44.9	47.0	44.33
43.9	43.8	43.4	42.9	42.5	42.1	42.2	41.7	42.1	43.8	45.9	48.1	50.4	46.43
42.5	42.0	41.7	41.0	40.4	40.4	40.3	39.9	39.9	41.2	43.1	45.1	47.3	44.30
45.7	45.2	44.0	44.5	44.1	43.8	43.7	43.4	43.5	45.0	47.0	49.5	51.7	47.88
43.2	43.0	42.8	42.5	42.0	41.8	41.3	41.3	41.1	42.5	44.8	46.7	48.9	45.29
43.94	43.55	42.98	42.81	42.48	42.23	41.94	41.73	41.76	43.05	45.03	47.21	49.48	46.03

TABLE XXV.—*Monthly Means of the Temperature for every Hour*

Van Diemen Island Time	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
SEPTEMBER.	1841	57.1	58.9	59.2	58.7	56.6	53.6	51.2	49.3	47.8	46.8	46.0
	1842	58.0	59.2	59.7	59.4	58.1	55.7	53.4	52.1	51.1	50.5	50.0
	1843	55.5	56.2	56.3	55.7	54.7	52.8	50.8	49.2	48.3	47.3	46.7
	1844	53.2	53.8	54.2	54.2	53.1	51.3	49.8	48.4	47.6	46.9	46.1
	1845	57.5	58.8	58.8	58.5	57.3	55.5	53.1	51.5	50.2	49.8	49.2
	1846	55.5	56.4	57.0	56.4	55.0	53.0	50.8	49.4	48.5	47.6	46.9
	1847	57.1	58.0	58.5	58.1	57.3	54.8	52.6	50.9	49.9	49.4	48.8
	1848	54.2	54.6	54.5	54.2	52.9	51.4	49.5	48.5	47.8	47.0	46.3
Hourly Means	56.00	56.99	57.28	56.90	55.63	53.51	51.40	49.91	48.90	48.16	47.50	
OCTOBER.	1841	63.6	64.4	64.2	63.8	62.6	59.2	56.1	53.7	52.1	51.0	50.1
	1842	56.9	57.5	56.6	56.7	56.2	54.5	51.8	49.8	48.9	47.7	47.0
	1843	61.3	62.5	62.9	63.0	62.6	60.5	56.8	54.8	53.3	52.1	51.2
	1844	59.3	60.1	61.0	60.9	60.7	57.9	55.3	52.7	51.4	50.2	49.6
	1845	61.0	61.8	61.1	60.8	59.7	57.7	55.9	54.7	54.0	53.2	52.6
	1846	60.0	61.5	61.5	60.8	60.4	58.1	55.3	53.8	52.9	52.1	51.2
	1847	58.6	58.9	59.3	58.2	57.5	55.7	53.2	51.5	50.6	49.8	49.0
	Hourly Means	60.10	60.96	60.94	60.60	59.96	57.66	54.91	53.00	51.89	50.87	50.10
NOVEMBER.	1841	70.2	70.5	69.3	67.6	66.6	63.9	60.3	57.0	55.3	54.4	53.5
	1842	65.6	66.8	66.5	64.9	65.3	63.5	60.7	57.6	55.7	54.4	53.6
	1843	67.4	68.4	69.1	69.4	69.4	67.6	64.4	61.1	58.8	57.3	56.2
	1844	61.4	62.1	61.7	60.8	60.1	58.7	56.3	54.3	53.0	51.9	51.2
	1845	65.2	65.6	66.1	65.4	64.9	63.1	60.2	58.1	56.9	55.5	54.6
	1846	65.6	66.6	66.3	65.3	65.0	63.0	60.0	57.6	56.6	55.9	55.9
	1847	61.8	61.8	62.0	62.2	61.1	59.6	57.2	54.3	52.7	51.6	50.7
	Hourly Means	65.31	65.97	65.86	65.09	64.63	62.77	59.87	57.14	55.57	54.43	53.67
DECEMBER.	1841	69.0	69.5	69.7	69.4	68.5	67.1	63.5	60.2	57.6	55.8	54.7
	1842	65.8	66.4	66.3	66.2	66.1	64.8	61.8	58.8	56.3	55.3	54.5
	1843	68.5	69.7	69.5	69.1	68.3	67.5	64.4	61.5	59.1	57.8	56.8
	1844	68.3	69.3	69.1	69.0	68.4	66.9	63.6	60.9	58.8	57.5	56.6
	1845	68.7	68.7	68.6	68.6	67.9	66.7	63.8	61.5	59.6	58.6	57.8
	1846	70.3	70.9	69.8	69.6	69.1	68.0	66.6	63.4	61.3	59.9	58.9
	1847	70.2	71.2	71.1	70.4	68.9	67.3	66.0	63.1	61.2	59.3	58.6
	Hourly Means	68.69	69.39	69.16	68.90	68.17	66.90	64.24	61.34	59.13	57.74	56.84

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
45.4	44.3	43.9	43.6	43.4	43.1	42.8	42.7	44.2	46.8	50.0	52.6	55.1	49.30
49.6	48.5	48.2	47.8	47.5	47.3	46.9	46.8	47.7	49.7	52.1	54.3	56.6	52.09
46.2	46.1	45.7	44.9	44.6	44.1	43.8	43.8	44.5	46.3	48.7	51.7	54.4	49.10
45.5	45.3	44.9	44.5	44.0	43.6	44.1	43.4	44.1	46.1	48.2	50.1	51.9	48.10
48.6	48.8	48.2	47.9	47.7	47.7	47.5	47.2	48.4	50.2	52.5	54.6	56.0	51.90
46.4	46.4	46.4	45.6	45.0	44.5	44.2	43.9	45.3	47.2	50.0	52.2	54.2	49.49
48.5	48.5	47.5	47.2	46.7	46.2	44.8	45.9	47.3	49.5	52.1	54.0	55.7	51.22
45.6	44.3	43.8	43.9	43.5	43.4	43.6	43.6	44.8	46.8	49.7	51.7	53.1	48.28
46.98	46.53	46.08	45.68	45.30	44.99	44.71	44.66	45.79	47.83	50.41	52.65	54.63	49.93
49.3	47.9	47.3	46.6	45.7	45.9	45.8	46.8	49.8	53.1	56.5	59.4	62.0	54.04
46.6	46.3	45.8	45.6	45.3	44.8	44.7	44.9	47.1	50.2	52.4	54.5	55.8	50.32
50.4	48.7	47.9	47.3	46.9	46.7	46.6	47.3	49.2	51.7	54.2	57.0	59.1	53.92
48.9	48.4	48.1	47.4	47.0	46.6	46.1	46.6	48.7	51.4	53.7	55.9	58.0	52.75
51.9	51.4	51.2	50.4	49.3	48.9	48.8	48.8	51.0	53.2	55.6	57.8	60.1	54.63
50.8	49.0	48.5	48.1	47.7	47.5	47.4	48.2	50.1	52.7	55.4	57.4	59.3	53.74
48.3	48.8	48.5	47.9	47.7	47.3	47.5	48.2	50.6	53.0	55.0	56.2	57.6	52.45
49.46	48.64	48.19	47.61	47.09	46.81	46.70	47.26	49.50	52.19	54.69	56.89	58.84	53.12
53.3	52.4	51.8	51.3	50.6	50.2	50.5	52.6	56.1	59.9	63.7	66.6	68.8	59.02
53.0	53.0	52.7	52.3	52.0	51.8	51.5	53.2	55.3	57.7	60.2	62.3	64.2	58.08
55.5	53.7	52.9	52.5	52.0	51.6	51.8	53.6	55.9	58.2	60.7	63.4	65.5	59.85
50.4	49.7	49.4	49.3	48.8	48.5	49.1	49.8	51.5	53.9	56.5	58.2	60.6	54.47
54.1	52.7	52.2	52.0	51.5	51.2	51.5	53.6	55.8	58.2	60.8	62.7	63.7	58.15
54.6	53.8	53.5	53.3	53.0	52.8	53.0	54.5	57.1	59.3	61.3	63.3	64.3	58.82
50.0	49.5	48.6	48.8	48.3	48.2	48.7	50.6	53.3	55.8	57.7	59.8	61.0	54.80
52.99	52.11	51.59	51.36	50.89	50.61	50.87	52.56	55.00	57.57	60.13	62.33	64.10	57.60
53.8	53.0	52.3	51.7	50.9	50.6	52.0	54.4	57.5	61.1	63.8	66.4	67.8	60.01
53.9	54.3	53.5	52.9	52.2	52.0	52.1	53.9	56.1	58.7	61.0	63.0	64.5	58.77
55.8	55.2	54.8	54.1	53.7	53.6	54.2	56.2	58.6	61.0	63.2	65.5	67.4	61.06
55.8	55.6	54.5	54.3	53.7	53.4	53.8	55.2	58.2	61.4	63.6	65.5	67.0	60.85
57.1	56.9	56.7	56.0	55.5	54.8	55.3	56.9	59.4	62.2	64.8	66.1	67.6	61.66
58.0	57.6	56.5	56.5	55.7	55.4	55.9	58.0	60.8	63.1	65.3	67.3	69.4	62.81
58.1	56.8	56.3	56.0	55.2	55.0	55.4	58.1	61.2	64.2	66.2	68.1	69.3	62.80
56.07	55.63	54.94	54.50	53.84	53.54	54.10	56.10	58.83	61.67	63.99	65.99	67.56	61.14

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

Barometer at 32° = 28 English

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
JANUARY.	1841	1.710	1.700	1.691	1.687	1.675	1.683	1.695	1.711	1.732	1.745	1.746
	1842	1.700	1.691	1.686	1.685	1.685	1.685	1.705	1.749	1.741	1.735	1.767
	1843	1.815	1.803	1.801	1.799	1.794	1.783	1.812	1.828	1.844	1.860	1.862
	1844	1.881	1.870	1.858	1.859	1.850	1.852	1.863	1.878	1.889	1.894	1.891
	1845	1.753	1.702	1.760	1.723	1.723	1.727	1.737	1.749	1.764	1.775	1.769
	1846	1.629	1.621	1.618	1.623	1.620	1.628	1.640	1.653	1.663	1.661	1.654
	1847	1.688	1.677	1.678	1.679	1.679	1.685	1.695	1.711	1.730	1.713	1.708
	1848	1.718	1.706	1.705	1.706	1.708	1.715	1.731	1.749	1.766	1.763	1.765
Hourly Means	1.737	1.721	1.723	1.720	1.717	1.720	1.734	1.753	1.766	1.768	1.770	
FEBRUARY.	1841	1.798	1.790	1.783	1.777	1.778	1.783	1.793	1.804	1.815	1.813	1.810
	1842	1.938	1.932	1.925	1.923	1.908	1.922	1.931	1.946	1.961	1.966	1.956
	1843	1.865	1.855	1.837	1.839	1.835	1.839	1.847	1.861	1.878	1.884	1.877
	1844	1.821	1.813	1.808	1.801	1.801	1.806	1.814	1.826	1.844	1.858	1.856
	1845	1.752	1.741	1.732	1.727	1.727	1.732	1.743	1.757	1.776	1.771	1.770
	1846	1.537	1.510	1.522	1.507	1.510	1.510	1.519	1.538	1.557	1.572	1.574
	1847	1.826	1.813	1.797	1.790	1.790	1.793	1.802	1.815	1.829	1.849	1.842
	1848	1.943	1.933	1.926	1.920	1.916	1.919	1.929	1.961	1.961	1.970	1.967
Hourly Means	1.810	1.798	1.791	1.785	1.783	1.788	1.797	1.813	1.827	1.835	1.831	
MARCH.	1841	1.983	1.960	1.945	1.937	1.936	1.940	1.953	1.970	1.983	2.002	2.000
	1842	1.951	1.931	1.921	1.915	1.920	1.922	1.937	1.953	1.970	1.942	1.970
	1843	1.847	1.840	1.821	1.816	1.817	1.822	1.835	1.850	1.865	1.872	1.870
	1844	1.650	1.634	1.625	1.619	1.618	1.625	1.634	1.644	1.658	1.676	1.670
	1845	1.886	1.870	1.855	1.844	1.842	1.849	1.857	1.869	1.884	1.895	1.892
	1846	1.775	1.760	1.752	1.753	1.759	1.766	1.777	1.794	1.814	1.812	1.811
	1847	1.774	1.762	1.753	1.749	1.750	1.756	1.765	1.779	1.791	1.777	1.774
	1848	1.740	1.730	1.720	1.714	1.715	1.718	1.727	1.739	1.752	1.754	1.754
Hourly Means	1.826	1.811	1.799	1.793	1.794	1.799	1.810	1.825	1.840	1.841	1.843	
APRIL.	1841	1.724	1.708	1.702	1.699	1.700	1.704	1.694	1.727	1.735	1.737	1.735
	1842	1.763	1.744	1.733	1.729	1.730	1.744	1.754	1.771	1.776	1.777	1.776
	1843	1.914	1.893	1.880	1.878	1.883	1.889	1.900	1.911	1.918	1.924	1.926
	1844	1.781	1.726	1.737	1.736	1.738	1.740	1.756	1.769	1.777	1.756	1.757
	1845	1.977	1.948	1.952	1.951	1.952	1.958	1.973	1.988	1.993	1.990	1.989
	1846	1.740	1.727	1.707	1.722	1.719	1.727	1.741	1.755	1.761	1.765	1.766
	1847	1.804	1.785	1.777	1.774	1.777	1.787	1.805	1.817	1.827	1.855	1.857
	1848	1.788	1.770	1.766	1.766	1.766	1.774	1.787	1.797	1.800	1.816	1.811
Hourly Means	1.811	1.788	1.782	1.782	1.783	1.790	1.801	1.817	1.823	1.828	1.827	

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive.

inches + the Numbers in the Table.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1.747	1.745	1.741	1.730	1.738	1.732	1.737	1.744	1.754	1.753	1.744	1.734	1.723	29.725
1.735	1.730	1.732	1.701	1.695	1.664	1.719	1.722	1.723	1.727	1.720	1.718	1.712	29.714
1.864	1.843	1.827	1.837	1.825	1.830	1.829	1.832	1.862	1.867	1.856	1.849	1.834	29.832
1.881	1.870	1.868	1.857	1.847	1.863	1.863	1.892	1.899	1.904	1.903	1.897	1.890	29.876
1.765	1.783	1.791	1.777	1.770	1.753	1.778	1.769	1.777	1.778	1.772	1.764	1.746	29.759
1.648	1.621	1.628	1.604	1.600	1.593	1.622	1.631	1.642	1.650	1.641	1.637	1.634	29.632
1.706	1.681	1.672	1.664	1.666	1.670	1.687	1.688	1.698	1.705	1.703	1.696	1.693	29.691
1.765	1.718	1.727	1.714	1.709	1.713	1.740	1.733	1.743	1.744	1.741	1.733	1.727	29.730
1.764	1.749	1.748	1.736	1.731	1.727	1.747	1.751	1.762	1.766	1.760	1.753	1.745	29.745
1.801	1.802	1.806	1.789	1.777	1.794	1.802	1.810	1.821	1.825	1.823	1.817	1.806	29.801
1.965	1.960	1.959	1.939	1.941	1.933	1.967	1.960	1.974	2.003	1.975	1.963	1.948	29.950
1.867	1.877	1.871	1.867	1.888	1.867	1.868	1.886	1.896	1.902	1.898	1.890	1.868	29.869
1.859	1.832	1.817	1.814	1.811	1.810	1.805	1.839	1.845	1.850	1.851	1.846	1.832	29.828
1.767	1.777	1.756	1.754	1.751	1.748	1.761	1.773	1.770	1.779	1.780	1.776	1.766	29.758
1.571	1.589	1.652	1.607	1.588	1.584	1.585	1.574	1.582	1.580	1.575	1.563	1.550	29.561
1.837	1.844	1.834	1.830	1.823	1.818	1.835	1.842	1.859	1.861	1.859	1.853	1.838	29.870
1.964	1.962	1.961	1.953	1.945	1.943	1.948	1.962	1.973	1.975	1.976	1.967	1.952	29.951
1.829	1.830	1.832	1.819	1.815	1.812	1.821	1.831	1.840	1.847	1.842	1.834	1.820	29.818
1.995	1.998	2.007	2.014	1.995	1.990	1.995	2.009	2.018	2.023	2.023	2.036	2.002	29.988
1.967	1.953	1.948	1.958	1.938	1.938	1.952	1.963	1.972	1.980	1.980	1.980	1.962	29.951
1.867	1.862	1.855	1.849	1.848	1.843	1.842	1.851	1.879	1.872	1.873	1.871	1.851	29.851
1.676	1.672	1.664	1.657	1.647	1.647	1.646	1.652	1.652	1.669	1.668	1.667	1.658	29.651
1.888	1.912	1.913	1.899	1.903	1.908	1.889	1.916	1.926	1.931	1.930	1.925	1.907	29.891
1.806	1.834	1.819	1.816	1.804	1.799	1.796	1.808	1.814	1.815	1.813	1.810	1.790	29.796
1.765	1.778	1.779	1.763	1.757	1.760	1.772	1.773	1.789	1.794	1.799	1.795	1.783	29.772
1.749	1.757	1.749	1.743	1.735	1.735	1.751	1.750	1.764	1.768	1.770	1.764	1.750	29.743
1.840	1.846	1.842	1.837	1.828	1.828	1.830	1.840	1.852	1.857	1.857	1.856	1.835	29.830
1.731	1.758	1.757	1.755	1.746	1.770	1.752	1.756	1.767	1.773	1.773	1.763	1.748	29.738
1.775	1.778	1.759	1.755	1.753	1.743	1.759	1.766	1.773	1.767	1.795	1.791	1.780	29.762
1.912	1.936	1.912	1.924	1.919	1.921	1.884	1.923	1.942	1.975	1.958	1.949	1.936	29.917
1.733	1.764	1.760	1.783	1.777	1.779	1.751	1.772	1.783	1.794	1.800	1.791	1.780	29.764
1.984	1.991	1.992	1.985	1.969	1.967	1.989	1.989	1.991	2.002	2.004	1.999	1.991	29.980
1.765	1.741	1.735	1.728	1.720	1.718	1.737	1.734	1.743	1.756	1.760	1.754	1.750	29.741
1.852	1.832	1.827	1.831	1.806	1.818	1.806	1.828	1.828	1.839	1.838	1.830	1.820	29.818
1.809	1.799	1.763	1.783	1.777	1.777	1.778	1.787	1.799	1.813	1.812	1.808	1.803	29.789
1.820	1.825	1.813	1.818	1.808	1.812	1.807	1.819	1.828	1.840	1.843	1.836	1.826	29.814

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

Barometer at 32° = 28 English

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
MAY.	1841	1·917	1·901	1·889	1·889	1·895	1·899	1·915	1·926	1·931	1·933	1·935
	1842	1·668	1·657	1·659	1·655	1·667	1·672	1·683	1·691	1·696	1·699	1·696
	1843	1·966	1·952	1·942	1·943	1·944	1·951	1·954	1·963	1·968	1·974	1·979
	1844	1·873	1·855	1·847	1·848	1·851	1·861	1·878	1·888	1·894	1·905	1·906
	1845	1·810	1·798	1·808	1·793	1·797	1·803	1·813	1·821	1·828	1·846	1·847
	1846	1·676	1·659	1·658	1·661	1·665	1·672	1·682	1·687	1·693	1·689	1·692
	1847	1·829	1·816	1·811	1·814	1·819	1·828	1·840	1·827	1·852	1·857	1·857
	1848	1·743	1·730	1·727	1·726	1·730	1·737	1·745	1·756	1·760	1·741	1·737
Hourly Means.	1·810	1·796	1·792	1·791	1·796	1·803	1·813	1·819	1·828	1·830	1·831	
JUNE.	1841	1·915	1·901	1·892	1·895	1·897	1·901	1·910	1·919	1·927	1·924	1·922
	1842	1·660	1·647	1·638	1·640	1·643	1·648	1·657	1·663	1·663	1·675	1·674
	1843	1·801	1·786	1·766	1·786	1·790	1·795	1·806	1·815	1·819	1·824	1·825
	1844	1·785	1·774	1·770	1·776	1·786	1·801	1·831	1·823	1·828	1·813	1·810
	1845	1·793	1·776	1·768	1·773	1·786	1·783	1·794	1·802	1·807	1·820	1·818
	1846	1·946	1·928	1·921	1·926	1·929	1·935	1·944	1·952	1·957	1·966	1·966
	1847	1·638	1·625	1·620	1·621	1·628	1·634	1·654	1·652	1·658	1·667	1·668
	1848	1·945	1·929	1·925	1·929	1·933	1·940	1·952	1·964	1·968	1·972	1·975
Hourly Means.	1·820	1·796	1·788	1·793	1·799	1·804	1·818	1·824	1·828	1·832	1·832	
JULY.	1841	1·999	1·982	1·975	1·976	1·981	1·987	1·995	2·003	2·008	2·033	2·031
	1842	1·688	1·674	1·673	1·682	1·695	1·689	1·715	1·726	1·735	1·702	1·712
	1843	1·677	1·662	1·661	1·667	1·671	1·679	1·692	1·704	1·711	1·717	1·717
	1844	1·850	1·838	1·834	1·839	1·842	1·849	1·861	1·868	1·872	1·868	1·867
	1845	1·871	1·853	1·832	1·851	1·851	1·859	1·867	1·879	1·882	1·875	1·875
	1846	1·877	1·858	1·848	1·848	1·849	1·857	1·868	1·877	1·884	1·898	1·897
	1847	1·504	1·480	1·469	1·466	1·468	1·471	1·484	1·476	1·482	1·495	1·497
	1848	2·000	1·986	1·979	1·977	1·983	1·990	2·001	2·009	2·016	2·041	2·043
Hourly Means.	1·808	1·791	1·784	1·738	1·792	1·797	1·810	1·818	1·823	1·827	1·829	
AUGUST.	1841	1·879	1·864	1·856	1·856	1·858	1·866	1·879	1·892	1·901	1·888	1·888
	1842	1·831	1·806	1·803	1·805	1·805	1·807	1·816	1·825	1·844	1·853	1·857
	1843	1·778	1·768	1·762	1·765	1·770	1·778	1·796	1·809	1·817	1·822	1·822
	1844	1·678	1·662	1·657	1·654	1·657	1·666	1·678	1·707	1·696	1·727	1·739
	1845	1·534	1·518	1·509	1·509	1·514	1·515	1·530	1·542	1·551	1·558	1·559
	1846	2·002	1·985	1·976	1·976	1·975	1·981	1·991	1·997	2·007	1·995	1·995
	1847	1·762	1·742	1·736	1·738	1·740	1·750	1·765	1·779	1·789	1·784	1·788
	1848	1·715	1·697	1·690	1·688	1·687	1·694	1·704	1·713	1·715	1·752	1·747
Hourly Means.	1·772	1·755	1·748	1·749	1·751	1·757	1·770	1·783	1·790	1·800	1·799	

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive—continued.

inches + the Numbers in the Table.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1.930	1.939	1.933	1.931	1.922	1.921	1.923	1.929	1.940	1.944	1.947	1.946	1.933	29.924
1.697	1.658	1.652	1.649	1.636	1.608	1.641	1.639	1.665	1.680	1.688	1.687	1.686	29.668
1.965	1.947	1.942	1.938	1.937	1.941	1.928	1.942	1.952	1.963	1.971	1.970	1.957	29.954
1.904	1.893	1.888	1.881	1.873	1.869	1.860	1.876	1.885	1.893	1.899	1.898	1.890	29.880
1.842	1.824	1.774	1.821	1.806	1.802	1.810	1.809	1.818	1.830	1.834	1.839	1.832	29.817
1.691	1.691	1.696	1.702	1.720	1.694	1.688	1.691	1.697	1.703	1.701	1.699	1.694	29.688
1.852	1.836	1.814	1.828	1.823	1.819	1.833	1.830	1.842	1.849	1.853	1.852	1.844	29.834
1.735	1.725	1.699	1.721	1.720	1.722	1.731	1.737	1.750	1.765	1.770	1.768	1.760	29.739
1.827	1.814	1.799	1.809	1.804	1.797	1.802	1.806	1.818	1.828	1.833	1.832	1.824	29.813
1.925	1.916	1.910	1.908	1.903	1.903	1.905	1.904	1.916	1.922	1.932	1.937	1.931	29.913
1.675	1.661	1.667	1.626	1.654	1.652	1.641	1.663	1.671	1.672	1.684	1.687	1.676	29.660
1.824	1.816	1.816	1.818	1.813	1.822	1.823	1.817	1.824	1.831	1.838	1.839	1.826	29.813
1.803	1.772	1.790	1.752	1.764	1.764	1.771	1.751	1.786	1.793	1.801	1.805	1.797	29.790
1.816	1.817	1.801	1.794	1.787	1.783	1.771	1.791	1.816	1.817	1.820	1.823	1.809	29.799
1.970	1.964	1.943	1.958	1.953	1.951	1.959	1.962	1.966	1.966	1.973	1.977	1.963	29.953
1.668	1.638	1.618	1.637	1.634	1.631	1.654	1.640	1.647	1.653	1.661	1.664	1.653	29.644
1.972	1.956	1.948	1.938	1.934	1.927	1.940	1.941	1.952	1.958	1.967	1.970	1.960	29.949
1.832	1.817	1.811	1.804	1.805	1.804	1.808	1.808	1.822	1.826	1.834	1.838	1.827	29.815
2.027	2.007	2.001	1.999	1.999	1.996	2.000	2.004	2.011	2.020	2.026	2.028	2.020	30.005
1.743	1.688	1.689	1.685	1.675	1.676	1.678	1.681	1.689	1.701	1.709	1.713	1.688	29.696
1.716	1.673	1.667	1.665	1.660	1.658	1.637	1.679	1.674	1.681	1.680	1.693	1.685	29.680
1.866	1.862	1.846	1.858	1.860	1.835	1.868	1.845	1.856	1.868	1.874	1.877	1.867	29.857
1.875	1.860	1.868	1.856	1.850	1.847	1.847	1.860	1.872	1.882	1.889	1.894	1.886	29.866
1.898	1.887	1.859	1.905	1.897	1.893	1.913	1.897	1.901	1.906	1.909	1.907	1.898	29.884
1.497	1.491	1.487	1.488	1.487	1.488	1.438	1.491	1.501	1.525	1.531	1.531	1.521	29.490
2.041	2.005	1.987	1.993	1.988	1.986	1.974	1.994	2.002	2.014	2.022	2.025	2.018	30.030
1.833	1.809	1.800	1.806	1.802	1.796	1.794	1.806	1.813	1.824	1.830	1.833	1.823	29.814
1.887	1.899	1.891	1.889	1.867	1.867	1.881	1.883	1.890	1.904	1.906	1.889	1.894	29.882
1.856	1.854	1.866	1.848	1.841	1.838	1.840	1.862	1.852	1.860	1.865	1.859	1.848	29.839
1.824	1.821	1.794	1.786	1.796	1.795	1.808	1.820	1.817	1.826	1.834	1.845	1.837	29.804
1.705	1.699	1.712	1.690	1.681	1.680	1.683	1.675	1.701	1.710	1.715	1.708	1.697	29.691
1.556	1.549	1.555	1.545	1.534	1.531	1.550	1.557	1.550	1.562	1.569	1.565	1.556	29.542
1.990	2.013	2.040	2.001	1.993	1.993	1.978	2.002	2.012	2.023	2.026	2.026	2.019	30.000
1.789	1.807	1.769	1.777	1.771	1.770	1.788	1.775	1.785	1.791	1.793	1.789	1.782	29.769
1.741	1.741	1.761	1.724	1.717	1.714	1.758	1.724	1.731	1.744	1.748	1.744	1.736	29.724
1.793	1.798	1.798	1.782	1.775	1.773	1.786	1.787	1.792	1.802	1.807	1.803	1.796	29.781

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

Barometer at 32° = 28 English

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
SEPTEMBER.	1841	1.769	1.753	1.742	1.739	1.743	1.753	1.764	1.783	1.795	1.815	1.818
	1842	1.598	1.571	1.576	1.573	1.578	1.584	1.600	1.613	1.618	1.646	1.643
	1843	1.485	1.475	1.476	1.481	1.490	1.499	1.514	1.530	1.541	1.546	1.546
	1844	1.725	1.712	1.707	1.707	1.710	1.723	1.740	1.758	1.774	1.787	1.788
	1845	1.896	1.882	1.879	1.877	1.881	1.894	1.908	1.924	1.952	1.936	1.936
	1846	1.970	1.949	1.937	1.938	1.940	1.948	1.963	1.975	1.985	1.984	1.983
	1847	1.882	1.868	1.856	1.853	1.854	1.859	1.868	1.880	1.894	1.906	1.908
	1848	1.625	1.611	1.613	1.613	1.616	1.632	1.646	1.660	1.667	1.616	1.635
Hourly Means	1.744	1.728	1.723	1.723	1.726	1.736	1.750	1.765	1.778	1.780	1.782	
OCTOBER.	1841	1.820	1.810	1.796	1.790	1.797	1.804	1.812	1.827	1.851	1.843	1.839
	1842	1.511	1.507	1.506	1.509	1.517	1.531	1.547	1.567	1.580	1.557	1.554
	1843	1.584	1.574	1.563	1.562	1.566	1.576	1.591	1.617	1.629	1.633	1.634
	1844	1.760	1.752	1.746	1.748	1.753	1.761	1.777	1.797	1.811	1.798	1.799
	1845	1.912	1.899	1.892	1.888	1.890	1.896	1.909	1.927	1.940	1.946	1.945
	1846	1.826	1.795	1.808	1.802	1.803	1.812	1.822	1.837	1.850	1.861	1.857
	1847	1.833	1.830	1.826	1.829	1.836	1.849	1.867	1.888	1.903	1.903	1.902
	Hourly Means	1.749	1.738	1.734	1.733	1.737	1.747	1.761	1.780	1.795	1.792	1.790
NOVEMBER.	1841	1.587	1.595	1.572	1.571	1.577	1.582	1.598	1.613	1.632	1.662	1.649
	1842	1.535	1.539	1.528	1.527	1.536	1.540	1.554	1.562	1.575	1.591	1.589
	1843	1.652	1.646	1.633	1.631	1.637	1.641	1.656	1.668	1.684	1.693	1.692
	1844	1.710	1.702	1.685	1.695	1.699	1.704	1.717	1.729	1.744	1.760	1.756
	1845	1.595	1.590	1.586	1.585	1.592	1.599	1.617	1.633	1.650	1.661	1.659
	1846	1.833	1.822	1.811	1.810	1.817	1.824	1.841	1.856	1.869	1.872	1.866
	1847	1.614	1.609	1.605	1.604	1.608	1.608	1.624	1.637	1.652	1.672	1.669
	Hourly Means	1.647	1.643	1.631	1.632	1.638	1.643	1.658	1.671	1.687	1.702	1.697
DECEMBER.	1841	1.726	1.717	1.712	1.709	1.709	1.713	1.729	1.741	1.754	1.741	1.753
	1842	1.795	1.792	1.792	1.791	1.794	1.803	1.817	1.833	1.853	1.840	1.838
	1843	1.739	1.729	1.719	1.720	1.718	1.724	1.734	1.752	1.768	1.772	1.773
	1844	1.828	1.816	1.809	1.807	1.810	1.815	1.829	1.842	1.854	1.860	1.851
	1845	1.653	1.654	1.652	1.657	1.647	1.665	1.678	1.691	1.700	1.716	1.710
	1846	1.683	1.670	1.666	1.663	1.659	1.665	1.674	1.689	1.706	1.742	1.741
	1847	1.718	1.704	1.697	1.691	1.689	1.689	1.697	1.707	1.743	1.726	1.720
	Hourly Means	1.735	1.726	1.721	1.720	1.718	1.725	1.737	1.751	1.768	1.771	1.769

METEOROLOGICAL INSTRUMENTS.

from January 1841 to September 1848, inclusive—continued.

inches + the Numbers in the Table.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1·817	1·820	1·839	1·823	1·813	1·807	1·815	1·811	1·816	1·832	1·817	1·808	1·789	29·795
1·636	1·631	1·629	1·626	1·619	1·621	1·651	1·620	1·626	1·635	1·634	1·630	1·613	29·616
1·542	1·512	1·503	1·514	1·505	1·501	1·506	1·504	1·511	1·516	1·515	1·516	1·494	29·509
1·768	1·773	1·770	1·758	1·751	1·749	1·709	1·751	1·759	1·764	1·766	1·754	1·738	29·748
1·933	1·880	1·877	1·871	1·864	1·871	1·881	1·892	1·909	1·920	1·972	1·916	1·908	29·903
1·976	1·985	1·952	1·964	1·956	1·957	1·960	1·986	1·999	2·006	2·006	2·000	1·981	29·971
1·908	1·927	1·911	1·918	1·915	1·912	1·918	1·918	1·927	1·930	1·922	1·914	1·897	29·898
1·629	1·617	1·610	1·617	1·599	1·600	1·597	1·618	1·633	1·642	1·648	1·641	1·634	29·626
1·776	1·768	1·761	1·761	1·753	1·752	1·755	1·763	1·773	1·780	1·785	1·772	1·757	29·758
1·847	1·857	1·837	1·836	1·855	1·836	1·847	1·854	1·862	1·864	1·860	1·852	1·832	29·835
1·549	1·499	1·514	1·508	1·501	1·500	1·514	1·509	1·525	1·531	1·537	1·529	1·521	29·526
1·631	1·632	1·617	1·632	1·626	1·623	1·635	1·639	1·643	1·647	1·642	1·626	1·609	29·614
1·795	1·777	1·780	1·753	1·758	1·758	1·769	1·784	1·795	1·798	1·798	1·789	1·771	29·776
1·944	1·936	1·917	1·925	1·919	1·920	1·919	1·940	1·950	1·951	1·949	1·939	1·923	29·924
1·849	1·848	1·837	1·825	1·823	1·821	1·828	1·833	1·846	1·850	1·847	1·844	1·830	29·831
1·901	1·853	1·820	1·825	1·834	1·832	1·835	1·851	1·846	1·852	1·852	1·842	1·835	29·852
1·788	1·772	1·760	1·758	1·760	1·756	1·764	1·774	1·781	1·785	1·784	1·774	1·760	29·765
1·648	1·672	1·662	1·666	1·648	1·646	1·651	1·655	1·658	1·646	1·632	1·615	1·602	29·627
1·582	1·576	1·542	1·531	1·527	1·529	1·531	1·548	1·555	1·561	1·555	1·546	1·539	29·550
1·683	1·686	1·682	1·671	1·678	1·677	1·668	1·697	1·700	1·699	1·687	1·676	1·662	29·671
1·751	1·741	1·737	1·725	1·723	1·724	1·711	1·735	1·748	1·737	1·743	1·734	1·714	29·726
1·656	1·639	1·632	1·623	1·603	1·602	1·637	1·634	1·635	1·635	1·629	1·618	1·606	29·622
1·857	1·888	1·835	1·862	1·855	1·857	1·866	1·868	1·878	1·878	1·872	1·863	1·849	29·852
1·666	1·648	1·647	1·627	1·621	1·639	1·623	1·631	1·639	1·639	1·634	1·629	1·622	29·632
1·692	1·693	1·677	1·672	1·665	1·668	1·670	1·681	1·688	1·685	1·679	1·669	1·656	29·669
1·784	1·754	1·745	1·737	1·749	1·736	1·753	1·760	1·764	1·766	1·744	1·737	1·735	29·739
1·836	1·790	1·781	1·792	1·803	1·783	1·788	1·810	1·817	1·818	1·812	1·809	1·803	29·812
1·768	1·740	1·714	1·718	1·714	1·719	1·731	1·740	1·754	1·760	1·754	1·750	1·741	29·740
1·846	1·864	1·861	1·846	1·831	1·831	1·826	1·846	1·845	1·841	1·839	1·834	1·817	29·835
1·705	1·666	1·653	1·636	1·637	1·651	1·669	1·667	1·670	1·670	1·666	1·661	1·656	29·664
1·739	1·741	1·732	1·723	1·719	1·721	1·735	1·734	1·740	1·740	1·728	1·711	1·697	29·709
1·719	1·779	1·760	1·741	1·760	1·735	1·743	1·746	1·752	1·749	1·744	1·734	1·725	29·728
1·766	1·762	1·749	1·742	1·745	1·739	1·749	1·758	1·763	1·763	1·755	1·748	1·739	29·747

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

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
JANUARY.	1841	·366	·392	·379	·376	·374	·375	·352	·358	·345	·346	·338
	1842	·322	·327	·319	·337	·325	·322	·320	·328	·339	·339	·337
	1843	·374	·386	·371	·371	·365	·368	·359	·357	·350	·344	·345
	1844	·375	·375	·379	·372	·376	·371	·357	·357	·359	·349	·348
	1845	·379	·375	·388	·393	·382	·383	·372	·378	·377	·372	·375
	1846	·366	·369	·374	·373	·376	·378	·369	·363	·357	·353	·354
	1847	·350	·354	·352	·348	·352	·361	·356	·357	·357	·369	·366
	1848	·338	·344	·350	·353	·352	·351	·349	·352	·352	·344	·340
Hourly Means	·359	·365	·364	·365	·363	·364	·354	·356	·355	·352	·350	
FEBRUARY.	1841	·383	·407	·402	·416	·399	·400	·397	·393	·382	·397	·387
	1842	·414	·409	·412	·397	·403	·407	·405	·399	·404	·401	·391
	1843	·409	·410	·412	·408	·409	·408	·406	·418	·408	·404	·404
	1844	·353	·357	·342	·354	·355	·342	·341	·338	·343	·353	·346
	1845	·385	·396	·388	·388	·394	·385	·378	·375	·371	·364	·362
	1846	·363	·369	·361	·377	·373	·364	·346	·336	·334	·331	·331
	1847	·376	·379	·376	·377	·373	·379	·379	·379	·375	·374	·372
	1848	·377	·386	·385	·387	·390	·390	·392	·385	·382	·370	·370
Hourly Means	·383	·389	·385	·388	·387	·384	·381	·378	·375	·374	·370	
MARCH.	1841	·393	·406	·400	·401	·389	·381	·391	·389	·382	·381	·385
	1842	·333	·333	·338	·337	·333	·334	·331	·336	·327	·337	·329
	1843	·357	·363	·356	·354	·348	·329	·335	·329	·338	·331	·335
	1844	·313	·306	·311	·315	·319	·307	·305	·304	·305	·340	·302
	1845	·349	·347	·354	·350	·359	·360	·364	·357	·357	·350	·344
	1846	·353	·349	·359	·358	·355	·346	·343	·347	·349	·347	·341
	1847	·349	·351	·353	·354	·357	·353	·360	·359	·362	·357	·353
	1848	·375	·367	·374	·379	·381	·383	·374	·371	·366	·370	·364
Hourly Means	·353	·353	·356	·356	·355	·349	·350	·349	·348	·352	·344	
APRIL.	1841	·327	·325	·330	·322	·313	·310	·312	·311	·306	·309	·301
	1842	·295	·284	·287	·291	·294	·290	·291	·288	·287	·284	·289
	1843	·334	·332	·330	·323	·323	·319	·308	·307	·303	·299	·297
	1844	·300	·298	·295	·291	·277	·279	·277	·279	·276	·260	·273
	1845	·331	·335	·336	·326	·327	·325	·317	·318	·312	·301	·301
	1846	·332	·333	·335	·331	·334	·329	·327	·327	·323	·325	·321
	1847	·349	·348	·347	·341	·342	·337	·331	·326	·325	·328	·327
	1848	·326	·332	·334	·333	·331	·330	·329	·327	·327	·319	·321
Hourly Means	·324	·323	·324	·320	·318	·315	·312	·310	·308	·303	·304	

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at every Hour from January 1841 to September 1848, inclusive.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·339	·342	·327	·327	·322	·312	·315	·338	·329	·328	·337	·343	·382	·348
·338	·336	·327	·323	·322	·314	·311	·322	·324	·323	·315	·311	·316	·325
·348	·354	·345	·345	·344	·339	·342	·357	·363	·364	·374	·378	·378	·359
·348	·324	·337	·329	·331	·330	·335	·351	·357	·358	·361	·363	·361	·354
·373	·368	·357	·356	·361	·350	·356	·367	·371	·372	·369	·361	·376	·371
·355	·359	·366	·361	·356	·354	·350	·352	·356	·359	·359	·361	·363	·362
·366	·357	·348	·340	·347	·343	·342	·350	·350	·357	·355	·350	·348	·353
·339	·348	·340	·337	·330	·328	·323	·342	·345	·344	·345	·343	·341	·343
·351	·349	·343	·340	·339	·334	·334	·347	·349	·351	·352	·351	·358	·352
·387	·374	·373	·362	·367	·354	·358	·371	·373	·370	·368	·363	·365	·381
·388	·394	·394	·397	·388	·389	·385	·386	·402	·391	·380	·390	·394	·397
·402	·396	·383	·374	·360	·367	·367	·379	·397	·412	·412	·413	·411	·399
·341	·353	·343	·345	·343	·340	·333	·345	·355	·361	·364	·355	·357	·348
·360	·354	·364	·351	·345	·346	·348	·352	·361	·359	·369	·372	·381	·369
·328	·326	·306	·327	·325	·328	·331	·329	·333	·343	·345	·345	·361	·342
·365	·358	·350	·349	·349	·345	·352	·357	·359	·358	·363	·367	·372	·366
·369	·368	·369	·360	·356	·352	·352	·357	·364	·362	·365	·368	·372	·372
·368	·365	·360	·358	·354	·353	·353	·360	·368	·370	·371	·372	·377	·372
·371	·370	·364	·353	·355	·344	·339	·342	·359	·362	·371	·368	·384	·374
·332	·331	·318	·315	·316	·307	·312	·314	·329	·333	·331	·334	·332	·328
·339	·341	·333	·338	·331	·332	·336	·330	·342	·352	·356	·361	·364	·343
·297	·294	·289	·291	·288	·286	·290	·295	·312	·324	·329	·322	·324	·307
·346	·326	·321	·323	·313	·307	·307	·308	·319	·324	·337	·343	·347	·338
·336	·339	·333	·331	·328	·324	·329	·322	·331	·338	·347	·346	·350	·342
·349	·343	·343	·340	·339	·342	·335	·336	·343	·351	·355	·350	·349	·349
·361	·349	·340	·340	·336	·335	·336	·338	·348	·349	·357	·355	·368	·359
·341	·337	·330	·329	·326	·322	·323	·323	·335	·342	·348	·347	·352	·342
·301	·285	·288	·281	·288	·274	·277	·272	·281	·288	·301	·312	·314	·301
·285	·287	·279	·277	·270	·274	·267	·268	·276	·284	·291	·289	·292	284
·294	·286	·294	·288	·288	·283	·281	·279	·289	·307	·317	·329	·334	·306
·267	·268	·268	·260	·257	·256	·256	·254	·264	·279	·289	·302	·303	·276
·298	·311	·298	·288	·294	·294	·292	·294	·298	·306	·314	·318	·319	·311
·317	·305	·306	·303	·303	·303	·309	·307	·304	·311	·317	·327	·333	·319
·320	·322	·326	·318	·317	·320	·316	·315	·317	·329	·337	·341	·348	·330
·318	·319	·324	·324	·319	·308	·308	·308	·314	·320	·324	·325	·325	·323
·300	·298	·298	·292	·292	·289	·288	·287	·293	·303	·311	·318	·321	·306

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

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
MAY.	1841	·312	·324	·328	·326	·325	·308	·294	·296	·285	·295	·284
	1842	·285	·282	·271	·272	·268	·269	·271	·274	·271	·270	·270
	1843	·337	·333	·326	·320	·315	·311	·304	·301	·299	·297	·294
	1844	·315	·313	·314	·310	·305	·296	·290	·290	·290	·283	·281
	1845	·294	·296	·294	·288	·286	·286	·284	·284	·282	·282	·283
	1846	·282	·281	·282	·274	·272	·265	·261	·259	·260	·260	·262
	1847	·285	·288	·284	·285	·281	·275	·270	·269	·270	·269	·267
	1848	·295	·294	·292	·288	·287	·281	·280	·281	·280	·280	·279
Hourly Means	·301	·301	·299	·295	·292	·286	·282	·282	·280	·280	·278	
JUNE.	1841	·294	·305	·303	·302	·285	·277	·270	·274	·267	·269	·264
	1842	·252	·254	·249	·247	·239	·239	·239	·237	·239	·239	·236
	1843	·303	·304	·299	·295	·286	·279	·277	·278	·278	·272	·273
	1844	·264	·264	·260	·255	·248	·246	·240	·238	·237	·243	·240
	1845	·263	·267	·264	·263	·259	·255	·256	·250	·250	·253	·245
	1846	·280	·279	·279	·273	·272	·265	·261	·260	·257	·258	·257
	1847	·263	·262	·269	·268	·262	·257	·253	·249	·245	·249	·246
	1848	·276	·277	·281	·278	·269	·263	·261	·261	·258	·256	·255
Hourly Means	·274	·277	·276	·273	·265	·260	·257	·256	·254	·255	·252	
JULY.	1841	·267	·273	·273	·276	·259	·251	·241	·244	·239	·242	·234
	1842	·263	·262	·265	·261	·255	·252	·247	·243	·241	·237	·239
	1843	·294	·290	·290	·288	·281	·269	·267	·267	·267	·266	·263
	1844	·275	·276	·275	·267	·262	·258	·249	·250	·247	·245	·244
	1845	·272	·277	·274	·269	·265	·259	·255	·249	·247	·249	·246
	1846	·259	·261	·264	·260	·258	·252	·251	·249	·245	·239	·240
	1847	·261	·267	·272	·269	·268	·265	·263	·262	·259	·254	·250
	1848	·247	·246	·248	·248	·247	·242	·241	·236	·229	·227	·225
Hourly Means	·267	·269	·270	·267	·262	·256	·252	·250	·247	·245	·243	
AUGUST.	1841	·269	·272	·271	·267	·254	·249	·247	·246	·246	·247	·240
	1842	·280	·284	·277	·274	·275	·266	·262	·263	·262	·257	·255
	1843	·296	·310	·291	·291	·280	·275	·273	·269	·267	·260	·258
	1844	·267	·268	·268	·267	·267	·259	·253	·251	·244	·242	·240
	1845	·261	·261	·256	·259	·256	·248	·244	·240	·239	·234	·229
	1846	·272	·267	·271	·272	·276	·270	·264	·261	·259	·252	·249
	1847	·283	·284	·286	·269	·269	·271	·264	·258	·257	·255	·251
	1848	·264	·265	·267	·266	·265	·260	·259	·255	·253	·249	·246
Hourly Means	·274	·276	·273	·271	·268	·262	·258	·255	·253	·250	·246	

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every Hour from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·288	·287	·284	·280	·278	·276	·279	·272	·277	·284	·298	·304	·312	·296
·273	·274	·273	·267	·267	·266	·267	·268	·269	·273	·280	·280	·287	·273
·294	·295	·292	·287	·287	·284	·286	·280	·282	·293	·309	·324	·333	·303
·278	·286	·270	·276	·277	·273	·272	·273	·279	·290	·303	·311	·318	·291
·282	·282	·278	·274	·273	·271	·263	·265	·263	·270	·281	·286	·290	·281
·263	·256	·258	·255	·252	·251	·252	·251	·250	·258	·261	·267	·281	·263
·264	·263	·261	·262	·259	·257	·255	·255	·255	·261	·270	·279	·280	·269
·279	·281	·275	·281	·276	·276	·272	·272	·276	·282	·292	·298	·298	·283
·278	·278	·274	·273	·271	·269	·268	·267	·269	·276	·287	·294	·300	·282
·263	·259	·258	·251	·251	·244	·247	·243	·247	·247	·266	·272	·285	·268
·237	·240	·241	·239	·236	·236	·237	·235	·235	·236	·245	·246	·257	·241
·271	·271	·269	·269	·266	·265	·267	·267	·263	·268	·283	·296	·302	·279
·239	·236	·232	·232	·232	·229	·234	·232	·233	·236	·248	·257	·261	·243
·248	·249	·235	·244	·239	·237	·222	·235	·236	·238	·251	·259	·266	·249
·256	·263	·259	·256	·255	·255	·251	·249	·246	·251	·260	·270	·278	·262
·242	·242	·240	·235	·235	·233	·232	·228	·228	·231	·241	·248	·255	·246
·251	·250	·249	·248	·247	·247	·249	·248	·248	·250	·261	·264	·269	·259
·251	·251	·248	·247	·245	·243	·242	·242	·242	·245	·256	·264	·272	·256
·230	·225	·226	·221	·218	·216	·216	·213	·217	·221	·235	·232	·256	·239
·236	·236	·223	·230	·230	·229	·232	·236	·235	·242	·246	·251	·261	·244
·260	·251	·248	·247	·245	·247	·243	·243	·242	·248	·265	·276	·284	·264
·244	·246	·247	·246	·246	·243	·240	·236	·235	·241	·255	·262	·271	·253
·247	·254	·250	·248	·244	·242	·239	·236	·238	·244	·252	·262	·268	·254
·237	·235	·238	·232	·229	·227	·223	·222	·224	·230	·238	·243	·255	·242
·248	·241	·239	·238	·237	·235	·236	·233	·231	·235	·245	·255	·262	·251
·223	·221	·223	·220	·219	·220	·219	·220	·220	·227	·234	·239	·243	·232
·241	·239	·237	·235	·234	·232	·231	·230	·230	·233	·246	·253	·263	·247
·241	·241	·239	·244	·240	·238	·238	·234	·239	·246	·253	·260	·262	·249
·254	·248	·239	·243	·242	·240	·241	·235	·242	·251	·266	·276	·281	·259
·257	·259	·252	·253	·252	·248	·251	·247	·248	·261	·277	·288	·296	·269
·236	·234	·234	·233	·231	·230	·228	·230	·232	·244	·251	·262	·268	·247
·228	·226	·229	·225	·225	·226	·226	·226	·228	·238	·250	·258	·261	·241
·247	·244	·244	·238	·234	·234	·237	·231	·234	·244	·255	·265	·272	·254
·250	·248	·243	·245	·241	·244	·243	·239	·243	·255	·268	·279	·281	·259
·242	·245	·240	·240	·238	·235	·235	·236	·236	·245	·253	·260	·261	·251
·244	·243	·240	·240	·238	·237	·237	·235	·238	·248	·259	·269	·273	·254

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ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

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

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
SEPTEMBER.											
1841	·270	·273	·267	·269	·258	·264	·266	·262	·252	·257	·248
1842	·311	·314	·313	·316	·310	·304	·306	·307	·308	·309	·302
1843	·287	·276	·276	·272	·262	·255	·248	·246	·248	·244	·242
1844	·299	·288	·288	·287	·279	·277	·269	·274	·272	·269	·263
1845	·293	·288	·291	·295	·291	·287	·287	·280	·280	·269	·269
1846	·278	·281	·276	·283	·278	·272	·270	·265	·262	·259	·257
1847	·282	·278	·272	·270	·270	·275	·272	·269	·269	·269	·266
1848	·286	·293	·288	·285	·283	·278	·279	·277	·274	·274	·272
Hourly Means	·288	·286	·284	·285	·279	·277	·275	·273	·271	·269	·265
OCTOBER.											
1841	·320	·330	·324	·334	·324	·316	·292	·295	·284	·287	·275
1842	·280	·287	·281	·280	·277	·271	·260	·262	·260	·252	·252
1843	·292	·299	·301	·289	·290	·271	·271	·272	·268	·264	·269
1844	·287	·287	·287	·282	·282	·267	·264	·270	·265	·278	·278
1845	·319	·324	·325	·325	·326	·314	·317	·307	·304	·304	·302
1846	·302	·301	·305	·303	·298	·294	·291	·289	·289	·288	·289
1847	·301	·311	·308	·312	·311	·311	·308	·297	·294	·292	·290
Hourly Means	·300	·306	·304	·304	·301	·292	·286	·285	·281	·281	·279
NOVEMBER.											
1841	·331	·344	·344	·342	·330	·325	·309	·304	·308	·304	·301
1842	·328	·334	·337	·332	·335	·319	·316	·309	·303	·306	·310
1843	·336	·337	·324	·321	·307	·308	·303	·301	·307	·312	·315
1844	·325	·322	·305	·312	·305	·303	·301	·301	·295	·290	·287
1845	·361	·366	·365	·369	·365	·362	·355	·354	·346	·343	·344
1846	·412	·411	·407	·406	·389	·383	·377	·375	·374	·372	·369
1847	·297	·288	·283	·282	·280	·276	·270	·274	·273	·277	·272
Hourly Means	·341	·343	·338	·338	·330	·325	·319	·317	·315	·315	·314
DECEMBER.											
1841	·385	·295	·298	·295	·291	·291	·289	·290	·291	·295	·285
1842	·345	·336	·332	·326	·326	·321	·312	·315	·303	·306	·307
1843	·316	·320	·322	·318	·325	·315	·311	·308	·303	·306	·298
1844	·342	·338	·338	·340	·334	·329	·315	·319	·321	·323	·319
1845	·357	·364	·368	·367	·364	·363	·353	·343	·337	·341	·343
1846	·400	·407	·410	·412	·404	·386	·397	·398	·393	·374	·375
1847	·383	·385	·392	·389	·385	·399	·393	·389	·391	·381	·372
Hourly Means	·361	·349	·351	·350	·347	·343	·339	·337	·334	·332	·328

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every Hour from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·249	·237	·243	·237	·236	·230	·237	·235	·247	·252	·263	·254	·267	·253
·297	·287	·287	·285	·285	·284	·281	·283	·293	·305	·309	·315	·315	·301
·243	·242	·244	·236	·237	·238	239	·240	·255	·266	·280	·287	·281	·256
·257	·259	·256	·254	·255	·251	·260	·255	·269	·282	·288	·296	·293	·273
·267	·265	·265	·264	·265	·257	·250	·249	·260	·267	·269	·277	·278	·273
·255	·259	·257	·256	·252	·250	·249	·249	·259	·268	·277	·282	·280	·266
·262	·260	·254	·253	·252	·249	·246	·252	·262	·271	·277	·281	·284	·267
·268	·259	·253	·254	·252	·251	·253	·256	·259	·268	·271	·277	·282	·271
·262	·259	·257	·255	·254	·251	·252	·252	·263	·272	·279	·284	·285	·270
·278	·264	·264	·259	·258	·258	·263	·272	·287	·291	·306	·303	·319	·292
·251	·256	·250	·253	·254	·251	·252	·261	·269	·283	·282	·279	·280	·266
·263	·253	·247	·245	·244	·242	·248	·263	·274	·285	·289	·291	·293	·272
·272	·269	·268	·256	·254	·253	·256	·259	·275	·278	·285	·283	·285	·273
·296	·295	·298	·289	·296	·292	·291	·293	·301	·306	·306	·318	·317	·307
·286	·276	·275	·273	·272	·268	·268	·278	·292	·299	·302	·296	·298	·289
·285	·280	·276	·279	·279	·279	·283	·281	·292	·296	·294	·289	·296	·294
·276	·270	·268	·265	·265	·263	·266	·272	·284	·291	·295	·294	·298	·285
·296	·293	·287	·281	·285	·278	·289	·293	·302	·309	·314	·319	·337	·309
·307	·306	·299	·297	·296	·296	·309	·319	·317	·315	·326	·327	·329	·316
·314	·303	·297	·297	·291	·291	·306	·317	·317	·327	·334	·335	·339	·314
·282	·257	·270	·270	·271	·270	·291	·303	·305	·314	·316	·309	·321	·297
·343	·333	·331	·329	·325	·325	·328	·337	·341	·346	·341	·354	·354	·347
·367	·362	·366	·363	·360	·359	·359	·371	·379	·383	·385	·394	·399	·380
·274	·285	·272	·275	·270	·268	·275	·283	·285	·281	·283	·284	·287	·279
·312	·306	·303	·302	·300	·298	·308	·318	·321	·325	·328	·332	·338	·320
·282	·287	·284	·278	·283	·280	·298	·294	·295	·287	·288	·287	·289	·293
·310	·304	·307	·298	·291	·292	·299	·315	·317	·322	·334	·334	·340	·316
·296	·295	·299	·298	·293	·298	·306	·316	·321	·319	·321	·318	·313	·310
·320	·332	·322	·327	·323	·318	·331	·350	·346	·355	·342	·343	·343	·332
·343	·350	·350	·350	·348	·345	·345	·354	·357	·355	·357	·350	·363	·353
·373	·376	·372	·372	·370	·364	·373	·373	·379	·385	·385	·390	·395	·386
·381	·377	·371	·356	·351	·353	·359	·368	·367	·371	·375	·384	·385	·377
·329	·332	·329	·326	·323	·321	·330	·339	·340	·342	·343	·344	·347	·338

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

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
JANUARY.	1841	41	43	42	43	45	49	55	59	63	66	67
	1842	43	43	43	46	46	50	55	61	68	70	73
	1843	54	53	51	52	51	53	56	63	67	70	72
	1844	59	58	58	58	59	59	61	66	71	72	74
	1845	51	49	52	54	55	58	62	67	71	72	75
	1846	53	53	53	54	55	59	64	68	71	72	74
	1847	53	51	51	52	54	57	59	65	69	74	76
	1848	52	53	54	56	57	59	62	69	73	73	75
Hourly Means	51	50	51	52	53	56	59	65	69	71	73	
FEBRUARY.	1841	51	54	54	57	57	61	67	72	75	79	79
	1842	53	53	55	56	58	63	68	72	77	80	80
	1843	57	55	54	54	56	59	65	71	74	77	79
	1844	51	49	47	48	49	49	54	59	64	68	69
	1845	62	62	60	60	62	63	67	71	74	75	77
	1846	61	59	58	59	61	63	65	69	72	73	76
	1847	58	57	56	58	59	64	69	74	76	78	78
	1848	62	63	63	64	66	69	75	77	80	80	82
Hourly Means	57	57	56	57	59	61	66	71	74	76	78	
MARCH.	1841	55	53	52	54	55	59	67	72	75	77	86
	1842	51	49	50	52	53	59	64	71	72	75	75
	1843	56	56	55	55	56	55	61	64	68	69	72
	1844	57	55	55	55	56	59	64	68	71	71	73
	1845	57	55	55	55	58	63	69	71	74	75	77
	1846	61	59	61	62	65	66	69	74	77	77	78
	1847	62	62	61	63	65	68	75	77	79	79	80
	1848	62	59	59	60	62	67	71	73	75	78	79
Hourly Means	58	56	56	57	59	62	68	72	74	75	78	
APRIL.	1841	65	63	63	62	65	69	75	77	79	80	79
	1842	60	55	55	58	62	67	71	74	75	77	79
	1843	69	66	65	65	67	71	73	76	78	79	81
	1844	69	66	65	64	64	69	73	77	79	79	78
	1845	66	65	66	66	68	72	74	77	78	77	79
	1846	71	69	69	69	74	77	80	81	84	85	86
	1847	73	71	71	71	75	77	80	81	83	84	86
	1848	60	59	60	61	63	67	72	73	75	75	77
Hourly Means	67	64	64	64	67	71	75	77	79	80	81	

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11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
69	72	70	71	73	72	72	75	62	55	51	46	45	59
75	77	77	77	78	77	77	75	68	61	53	48	45	62
76	78	78	80	80	80	81	80	76	70	65	61	57	67
74	74	78	77	79	80	82	83	79	73	68	65	61	70
77	78	78	80	80	80	82	80	74	67	61	54	53	67
76	80	80	81	81	80	80	77	72	66	64	61	56	68
77	77	77	77	79	79	79	77	71	68	62	57	54	67
77	79	78	79	79	79	80	79	72	65	60	57	55	68
75	77	77	78	79	78	79	78	72	66	61	56	53	66
80	82	81	82	82	81	82	83	77	69	62	56	51	70
81	82	83	84	85	86	86	85	83	75	64	60	56	72
81	81	80	79	79	81	82	83	82	78	69	64	59	71
70	74	74	74	75	76	76	78	76	70	64	58	54	64
78	78	81	81	81	83	84	83	81	74	71	67	64	72
76	77	76	78	79	80	81	79	76	73	67	64	63	70
78	77	77	78	79	79	82	82	78	71	67	63	61	71
83	82	84	86	86	87	88	86	82	75	69	65	62	76
78	79	80	80	81	82	80	83	79	73	67	62	59	71
81	82	84	82	83	82	83	83	83	76	69	64	58	71
78	79	77	77	78	77	80	79	79	73	64	59	53	68
74	75	76	78	79	79	80	81	81	76	71	66	62	69
73	76	76	76	77	77	79	80	82	78	73	66	61	69
79	80	80	80	80	79	79	80	80	75	70	66	62	71
79	81	79	81	82	81	82	82	81	77	71	65	63	73
80	80	81	82	82	84	84	84	83	79	73	68	64	75
80	79	79	81	80	81	81	82	80	75	70	64	63	73
78	79	79	80	80	80	81	81	81	76	70	65	61	71
81	81	84	84	87	84	85	85	86	85	79	75	68	77
80	83	81	80	81	83	82	82	84	81	76	69	64	73
82	82	83	83	85	84	84	85	88	89	85	79	74	78
82	84	85	85	85	86	85	86	90	90	84	80	74	78
79	82	82	82	83	83	86	86	85	82	78	72	67	76
86	83	83	83	84	85	87	87	87	84	80	77	74	80
86	86	87	87	88	89	89	90	98	89	85	80	76	82
77	79	80	80	79	77	78	79	80	77	72	66	63	72
82	83	83	83	84	84	84	85	86	85	80	75	70	77

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

Van Diemen } Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
MAY.	1841	76	74	75	76	83	82	81	85	86	88	88
	1842	68	66	63	64	67	71	75	78	78	78	79
	1843	76	72	69	69	71	75	78	80	82	82	83
	1844	77	74	73	73	75	77	79	82	83	83	84
	1845	75	73	72	72	75	79	81	83	85	86	87
	1846	74	71	71	70	73	75	77	78	81	81	83
	1847	75	73	71	73	75	79	80	82	84	84	85
	1848	76	74	73	73	76	78	80	83	83	85	85
Hourly Means	75	73	71	71	74	77	79	81	83	83	85	
JUNE.	1841	81	79	78	78	80	83	85	88	89	89	89
	1842	75	74	72	72	72	76	78	79	81	81	82
	1843	83	80	78	77	78	80	82	85	87	86	86
	1844	81	79	78	77	78	81	83	84	85	86	86
	1845	79	78	76	78	79	81	84	83	84	86	86
	1846	81	79	78	77	81	83	85	86	86	87	88
	1847	82	79	80	81	83	87	89	89	90	91	92
	1848	79	77	77	78	80	83	86	88	88	88	88
Hourly Means	80	78	77	77	79	82	84	85	86	87	87	
JULY.	1841	82	78	78	79	78	82	85	89	89	92	91
	1842	78	76	76	75	76	78	80	81	82	82	84
	1843	91	87	85	85	85	85	84	90	91	92	92
	1844	89	86	84	82	83	85	87	90	91	92	93
	1845	77	76	73	74	77	81	83	84	85	86	86
	1846	83	80	79	79	81	85	88	90	91	90	92
	1847	80	79	80	80	83	87	89	91	92	91	92
	1848	79	76	74	76	79	82	84	85	85	86	86
Hourly Means	82	80	79	79	80	83	85	88	88	89	90	
AUGUST.	1841	69	67	66	66	66	72	77	79	82	83	83
	1842	75	74	70	70	73	75	79	83	85	86	87
	1843	78	74	73	73	72	75	79	81	83	83	85
	1844	79	77	76	77	79	80	83	86	86	88	88
	1845	69	66	65	66	68	71	74	77	79	80	80
	1846	79	74	74	76	80	83	86	88	90	91	92
	1847	72	70	68	66	69	75	78	79	81	83	82
	1848	72	71	72	73	75	79	84	85	86	88	88
Hourly Means	74	72	71	71	73	76	80	82	84	85	86	

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every Hour from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
89	90	89	90	89	89	91	90	92	92	89	85	79	85
81	81	82	81	80	76	81	82	82	83	80	77	71	76
84	86	86	85	87	87	87	88	88	91	88	85	81	82
84	86	85	84	85	85	86	86	88	90	89	85	81	82
88	89	88	89	89	89	89	90	90	91	88	82	79	84
84	84	85	84	83	84	84	85	85	84	79	77	77	80
84	87	90	89	89	89	89	90	90	89	87	82	77	83
86	86	87	88	88	89	88	89	90	90	88	84	80	82
85	86	87	86	86	86	87	88	88	89	86	82	78	82
89	90	89	89	90	90	91	91	92	91	90	87	84	87
83	84	85	84	85	85	85	85	85	85	84	81	80	81
86	88	88	89	89	89	90	90	89	91	93	91	86	86
86	87	86	87	88	87	80	89	90	90	91	88	84	85
87	87	88	88	87	88	88	88	90	90	90	87	84	85
89	91	92	91	91	92	90	92	91	91	89	87	84	87
92	93	93	93	94	95	95	95	95	96	94	90	86	90
88	88	88	87	88	89	89	89	89	91	89	84	81	85
88	89	89	89	89	89	89	90	90	91	90	87	84	86
90	92	93	93	92	93	93	94	95	95	93	85	86	88
84	82	82	82	83	83	85	86	86	87	85	83	82	82
92	93	93	94	94	95	94	95	94	95	95	94	92	91
93	93	95	95	95	95	95	94	95	97	97	93	91	91
88	88	88	88	89	89	89	90	92	91	88	85	81	85
91	91	92	93	93	93	94	93	94	95	92	88	86	89
92	90	90	91	92	93	94	93	92	92	91	87	84	89
87	87	88	88	89	90	91	91	91	92	89	85	82	85
90	90	91	91	91	91	92	92	92	93	91	88	86	88
84	85	86	89	87	88	88	87	89	87	82	78	73	80
88	88	88	89	90	90	91	90	92	92	91	87	81	84
85	86	90	86	87	87	90	90	89	87	90	86	82	83
88	89	89	89	89	89	90	91	93	94	92	89	84	86
81	80	82	82	84	85	85	86	86	84	82	78	73	78
91	92	93	93	93	93	95	94	94	94	92	89	84	88
83	84	82	85	85	87	87	87	88	87	84	81	75	80
88	89	89	89	91	90	91	92	92	91	86	83	76	84
87	87	87	88	88	89	90	90	90	89	88	84	79	83

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

Van Diemen Island Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	
SEPTEMBER.	1841	59	55	54	56	58	65	72	75	78	80	82
	1842	67	65	64	65	67	71	77	80	83	86	85
	1843	66	62	63	63	63	65	68	71	74	76	77
	1844	75	72	71	70	71	75	77	81	84	84	85
	1845	64	61	62	62	64	67	72	75	76	77	78
	1846	65	64	61	64	66	69	74	77	78	80	82
	1847	62	60	57	58	60	66	71	74	77	78	79
	1848	69	70	68	69	72	75	80	82	84	86	87
Hourly Means	66	64	62	63	65	69	74	77	79	81	82	
OCTOBER.	1841	56	56	55	57	58	63	66	73	74	78	77
	1842	61	62	63	62	63	65	68	74	76	76	79
	1843	56	54	53	51	52	52	58	64	66	69	72
	1844	59	57	56	55	56	59	64	70	73	78	79
	1845	63	62	65	66	68	70	75	75	76	78	76
	1846	59	57	58	59	58	63	68	71	73	75	77
	1847	64	66	64	67	68	72	78	80	81	83	84
Hourly Means	60	59	59	60	60	63	68	72	74	77	78	
NOVEMBER.	1841	45	47	50	52	52	56	60	67	72	73	75
	1842	54	53	55	57	57	56	61	66	69	73	76
	1843	51	51	48	48	46	48	52	51	64	67	70
	1844	62	59	57	61	63	62	68	73	75	76	76
	1845	60	60	59	60	61	64	69	74	75	75	78
	1846	68	66	66	68	66	69	75	81	83	85	86
	1847	55	54	53	53	54	56	59	64	70	74	75
Hourly Means	56	56	55	57	57	59	63	68	73	75	77	
DECEMBER.	1841	41	42	42	43	43	45	51	57	63	67	68
	1842	55	53	53	52	52	54	58	65	68	71	73
	1843	47	46	48	47	49	50	54	58	59	65	66
	1844	51	49	49	50	51	52	56	62	66	70	71
	1845	55	54	55	55	57	58	62	65	68	71	73
	1846	56	56	59	59	59	59	62	69	74	74	76
	1847	55	54	55	56	58	63	64	69	74	76	77
Hourly Means	51	51	52	52	53	54	58	64	67	71	72	

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every Hour from January 1841 to September 1848, inclusive—continued.

11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
82	82	85	85	84	84	86	88	86	80	74	65	62	74
85	85	86	87	88	88	88	90	90	87	81	77	70	80
79	79	81	80	82	84	85	85	88	86	83	76	68	75
85	86	87	87	89	89	90	91	93	91	87	83	78	85
79	78	80	80	81	79	75	78	78	75	70	67	65	73
82	84	83	85	85	86	87	88	87	84	79	74	68	77
78	78	79	79	81	81	84	83	82	78	73	69	66	73
87	89	89	89	90	90	90	91	88	85	77	74	71	82
82	83	84	84	85	85	84	87	87	83	78	73	69	77
79	80	82	83	85	84	86	86	81	73	68	61	58	72
79	81	81	82	84	84	85	88	83	79	72	66	63	74
73	75	75	76	77	77	79	81	80	76	70	64	61	67
79	80	81	79	79	81	83	83	82	75	71	65	61	71
79	80	81	81	82	83	85	85	82	77	72	68	64	75
78	80	81	82	83	82	82	83	81	76	69	64	61	72
85	82	82	85	85	86	87	84	80	75	70	66	65	77
79	80	80	81	82	82	84	84	81	76	70	65	62	73
74	75	75	75	78	78	80	75	68	61	54	50	49	64
77	77	77	77	77	78	82	80	74	68	64	59	57	68
72	74	75	76	76	77	80	78	73	69	64	59	56	64
78	78	77	79	80	80	84	85	81	78	72	65	64	72
79	80	85	86	86	87	86	84	78	74	67	65	62	73
87	89	90	90	91	91	89	88	82	77	74	70	69	79
77	81	80	80	80	80	81	77	71	64	61	57	55	67
78	79	80	80	81	82	83	81	75	70	65	61	59	70
68	72	73	74	76	78	78	71	63	54	50	45	43	59
75	73	76	75	75	76	78	77	71	66	63	59	57	66
67	69	71	72	73	74	74	72	66	61	57	52	49	60
73	76	77	79	79	79	81	81	73	66	60	56	54	64
75	77	77	79	80	81	80	78	72	65	60	56	56	67
78	81	82	83	85	84	85	78	73	68	64	60	57	70
79	82	83	80	81	82	83	78	69	64	60	58	56	69
74	76	77	77	78	79	80	76	70	63	59	55	53	65

TABLE XXIX.—Mean Temperature of the Air for the period from 1841 to September 1848, inclusive.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
January . . .	70·01	70·70	70·90	70·21	69·31	67·90	65·21	62·41
February . . .	68·63	69·30	69·35	68·96	68·00	66·38	63·73	61·83
March . . .	65·73	66·74	67·08	66·63	65·49	63·46	60·81	59·00
April . . .	58·99	59·85	60·18	59·63	58·20	56·21	54·44	53·30
May . . .	53·79	54·75	55·01	54·51	53·10	51·36	50·10	49·27
June . . .	49·10	50·02	50·33	49·89	48·56	46·98	45·90	45·33
July . . .	47·48	48·61	49·09	48·74	47·63	46·00	44·80	44·00
August . . .	51·16	52·18	52·58	52·13	50·99	49·11	47·46	46·33
September . . .	56·01	56·99	57·28	56·90	55·63	53·51	51·40	49·91
October . . .	60·10	60·96	60·94	60·60	59·96	57·66	54·91	53·00
November . . .	65·31	65·97	65·86	65·09	64·63	62·77	59·87	57·14
December . . .	68·69	69·39	69·16	68·90	68·17	66·90	64·24	61·34
Hourly Means	59·58	60·46	60·65	60·18	59·14	57·35	55·24	53·57

Van Diemen Island Time. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
January . . .	60·27	59·17	58·26	57·50	56·84	56·29	55·61	55·15
February . . .	59·86	58·85	58·09	57·41	57·01	56·51	56·16	55·69
March . . .	57·90	57·06	56·24	55·61	54·91	54·43	53·98	53·53
April . . .	52·46	51·89	51·28	50·80	50·23	50·01	49·54	49·24
May . . .	48·69	48·35	47·90	47·57	47·32	46·99	46·81	46·54
June . . .	44·80	44·79	44·44	44·12	43·86	43·64	43·36	43·15
July . . .	43·42	42·97	42·60	42·30	42·10	41·79	41·45	41·13
August . . .	45·55	44·75	44·26	43·94	43·55	42·98	42·81	42·48
September . . .	48·90	48·16	47·50	46·98	46·53	46·08	45·68	45·30
October . . .	51·89	50·87	50·10	49·46	48·64	48·19	47·61	47·09
November . . .	55·57	54·43	53·67	52·99	52·11	51·59	51·36	50·89
December . . .	59·13	57·74	56·84	56·07	55·63	54·94	54·50	53·84
Hourly Means	52·37	51·59	50·93	50·40	49·89	49·45	49·07	48·67

Van Diemen Island Time. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
January . . .	54·92	54·61	56·22	58·79	61·51	64·10	66·44	68·29	62·11
February . . .	55·35	55·04	55·56	57·45	59·86	62·64	65·01	66·65	61·37
March . . .	53·31	53·20	52·96	54·19	56·48	59·29	61·80	63·96	58·91
April . . .	49·01	48·70	48·44	48·68	50·25	52·63	55·10	57·19	53·18
May . . .	46·35	46·07	45·81	45·71	46·44	48·29	50·33	52·21	49·30
June . . .	42·75	42·75	42·44	42·25	42·50	43·99	45·75	47·49	45·34
July . . .	40·86	40·59	40·36	40·36	40·78	42·39	44·21	46·01	43·73
August . . .	42·23	41·94	41·73	41·76	43·05	45·03	47·21	49·48	46·03
September . . .	44·99	44·71	44·66	45·79	47·83	50·41	52·65	54·63	49·93
October . . .	46·81	46·70	47·26	49·50	52·19	54·69	56·89	58·84	53·12
November . . .	50·61	50·87	52·56	55·00	57·57	60·13	62·33	64·10	57·60
December . . .	53·54	54·10	56·10	58·83	61·67	63·99	65·99	67·56	61·14
Hourly Means	48·39	48·27	48·68	49·86	51·68	53·97	56·14	58·03	53·48

METEOROLOGICAL INSTRUMENTS.

TABLE XXX.—Mean Height of the Barometer for the period from 1841 to September 1848, inclusive.

Barometer at 32° = 28 English inches + the Numbers in the Table.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1.737	1.721	1.723	1.720	1.717	1.720	1.734	1.753
February . . .	1.810	1.798	1.791	1.785	1.783	1.788	1.797	1.813
March . . .	1.826	1.811	1.799	1.793	1.794	1.799	1.810	1.825
April . . .	1.811	1.788	1.782	1.782	1.783	1.790	1.801	1.817
May . . .	1.810	1.796	1.792	1.791	1.796	1.803	1.813	1.819
June . . .	1.820	1.796	1.788	1.793	1.799	1.804	1.818	1.824
July . . .	1.808	1.791	1.784	1.738	1.792	1.797	1.810	1.818
August . . .	1.772	1.755	1.748	1.749	1.750	1.757	1.769	1.783
September . . .	1.744	1.728	1.723	1.723	1.726	1.736	1.750	1.765
October . . .	1.749	1.738	1.734	1.733	1.737	1.747	1.761	1.780
November . . .	1.647	1.643	1.631	1.632	1.638	1.643	1.658	1.671
December . . .	1.735	1.726	1.721	1.720	1.718	1.725	1.737	1.751
Hourly Means	1.772	1.758	1.751	1.747	1.753	1.759	1.772	1.785

Van Diemen Island Time. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1.766	1.768	1.770	1.764	1.749	1.748	1.736	1.731
February . . .	1.827	1.835	1.831	1.829	1.830	1.832	1.819	1.815
March . . .	1.840	1.841	1.843	1.840	1.846	1.842	1.837	1.828
April . . .	1.823	1.828	1.827	1.820	1.825	1.813	1.818	1.808
May . . .	1.828	1.830	1.831	1.827	1.814	1.799	1.809	1.804
June . . .	1.828	1.832	1.832	1.832	1.817	1.811	1.804	1.805
July . . .	1.823	1.827	1.829	1.833	1.809	1.800	1.806	1.802
August . . .	1.790	1.799	1.796	1.793	1.798	1.798	1.782	1.775
September . . .	1.778	1.780	1.782	1.776	1.768	1.761	1.761	1.753
October . . .	1.795	1.792	1.790	1.788	1.772	1.760	1.758	1.760
November . . .	1.687	1.702	1.697	1.692	1.693	1.677	1.672	1.665
December . . .	1.768	1.771	1.769	1.766	1.762	1.749	1.742	1.745
Hourly Means	1.796	1.800	1.800	1.797	1.790	1.783	1.779	1.774

Van Diemen Island Time. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1.727	1.747	1.751	1.762	1.766	1.760	1.753	1.745	29.749
February . . .	1.812	1.821	1.831	1.840	1.847	1.842	1.834	1.820	29.818
March . . .	1.828	1.830	1.840	1.852	1.857	1.857	1.856	1.835	29.830
April . . .	1.812	1.807	1.819	1.828	1.840	1.843	1.836	1.826	29.814
May . . .	1.797	1.802	1.806	1.818	1.828	1.833	1.832	1.824	29.813
June . . .	1.804	1.808	1.808	1.822	1.826	1.834	1.838	1.827	29.815
July . . .	1.796	1.794	1.806	1.813	1.824	1.830	1.833	1.823	29.814
August . . .	1.773	1.786	1.787	1.792	1.802	1.807	1.803	1.796	29.783
September . . .	1.752	1.755	1.763	1.773	1.780	1.785	1.772	1.757	29.758
October . . .	1.756	1.764	1.774	1.781	1.785	1.784	1.774	1.760	29.765
November . . .	1.668	1.670	1.681	1.688	1.685	1.679	1.669	1.656	29.669
December . . .	1.739	1.749	1.758	1.763	1.763	1.755	1.748	1.739	29.747
Hourly Means	1.772	1.778	1.785	1.794	1.800	1.801	1.796	1.784	29.781

TABLE XXXI.

Mean Elastic Force of the Vapour for the period from 1841 to September 1848, inclusive.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	.359	.365	.364	.365	.363	.364	.354	.356
February . . .	.383	.389	.385	.388	.387	.384	.381	.378
March . . .	.353	.353	.356	.356	.355	.349	.350	.349
April . . .	.324	.323	.324	.320	.318	.315	.312	.310
May . . .	.301	.301	.299	.295	.292	.286	.282	.282
June . . .	.274	.277	.276	.273	.265	.260	.257	.256
July . . .	.267	.269	.270	.267	.262	.256	.252	.250
August . . .	.274	.276	.273	.271	.268	.262	.258	.255
September . .	.288	.286	.284	.285	.279	.277	.275	.273
October . . .	.300	.306	.304	.304	.301	.292	.286	.285
November . . .	.341	.343	.338	.338	.330	.325	.319	.317
December . . .	.361	.349	.351	.350	.347	.343	.339	.337
Hourly Means	.319	.320	.319	.318	.314	.309	.305	.304

Van Diemen Island Time. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	.355	.352	.350	.351	.349	.343	.340	.339
February . . .	.375	.374	.370	.368	.365	.360	.358	.354
March . . .	.348	.352	.344	.341	.337	.330	.329	.326
April . . .	.308	.303	.304	.300	.298	.298	.292	.292
May . . .	.280	.280	.278	.278	.278	.274	.273	.271
June . . .	.254	.255	.252	.251	.251	.248	.247	.245
July . . .	.247	.245	.243	.241	.239	.237	.235	.234
August . . .	.253	.250	.246	.244	.243	.240	.240	.238
September . .	.271	.269	.265	.262	.259	.257	.255	.254
October . . .	.281	.281	.279	.276	.270	.268	.265	.265
November . . .	.315	.315	.314	.312	.306	.303	.302	.300
December . . .	.334	.332	.328	.329	.332	.329	.326	.323
Hourly Means	.302	.301	.298	.296	.294	.291	.289	.287

Van Diemen Island Time. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	.334	.334	.347	.349	.351	.352	.351	.358	.352
February . . .	.353	.353	.360	.368	.370	.371	.372	.377	.372
March . . .	.322	.323	.323	.335	.342	.348	.347	.352	.342
April . . .	.289	.288	.287	.293	.303	.311	.318	.321	.306
May . . .	.269	.268	.267	.269	.276	.287	.294	.300	.282
June . . .	.243	.242	.242	.242	.245	.256	.264	.272	.256
July . . .	.232	.231	.230	.230	.233	.246	.253	.263	.247
August . . .	.237	.237	.235	.238	.248	.259	.269	.273	.254
September . .	.251	.252	.252	.263	.272	.279	.284	.285	.270
October . . .	.263	.266	.272	.284	.291	.295	.294	.298	.285
November . . .	.298	.308	.318	.321	.325	.328	.332	.338	.320
December . . .	.321	.330	.339	.340	.342	.343	.344	.347	.338
Hourly Means	.284	.286	.289	.294	.300	.306	.310	.315	.302

TABLE XXXII.

Mean Degree of Humidity of the Air for the period from 1841 to September 1848, inclusive.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .
January . . .	51	50	51	52	53	56	59	65	69	71	73	75	77
February . . .	57	57	56	57	59	61	66	71	74	76	78	78	79
March . . .	58	56	56	57	59	62	68	72	74	75	78	78	79
April . . .	67	64	64	64	67	71	75	77	79	80	81	82	83
May . . .	75	73	71	71	74	77	79	81	83	83	85	85	86
June . . .	80	78	77	77	79	82	84	85	86	87	87	88	89
July . . .	82	80	79	79	80	83	85	88	88	89	90	90	90
August . . .	74	72	71	71	73	76	80	82	84	85	86	87	87
September . .	66	64	62	63	65	69	74	77	79	81	82	82	83
October . . .	60	59	59	60	60	63	68	72	74	77	78	79	80
November . .	56	56	55	57	57	59	63	68	73	75	77	78	79
December . .	51	51	52	52	53	54	58	64	67	71	72	74	76
Hourly Means	65	63	63	63	65	68	72	75	78	79	81	81	82

Van Diemen Island Time. }	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
January . . .	77	78	79	78	79	78	72	66	61	56	53	66
February . . .	80	80	81	82	80	83	79	73	67	62	59	71
March . . .	79	80	80	80	81	81	81	76	70	65	61	71
April . . .	83	83	84	84	84	84	86	85	80	75	70	77
May . . .	87	86	86	86	87	88	88	89	86	82	78	82
June . . .	89	89	89	89	89	90	90	91	90	87	84	86
July . . .	90	91	91	91	92	92	92	93	91	88	86	88
August . . .	87	88	88	89	90	90	90	89	88	84	79	83
September . .	84	84	85	85	84	87	87	83	78	73	69	77
October . . .	80	81	82	82	84	84	81	76	70	65	62	73
November . .	80	80	81	82	83	81	75	70	65	61	59	70
December . .	87	77	78	79	80	76	70	63	59	55	53	65
Hourly Means	83	83	84	84	84	84	83	80	75	71	68	76

TABLE XXXIII.—*Mean Gaseous Pressure for the period from 1841 to September 1848, inclusive.*
28 English Inches + the Numbers in the Table.

Van Diemen Island Time. }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1·378	1·356	1·359	1·355	1·354	1·356	1·380	1·397
February . . .	1·427	1·409	1·406	1·397	1·396	1·404	1·416	1·435
March . . .	1·473	1·458	1·443	1·437	1·439	1·450	1·460	1·476
April . . .	1·487	1·465	1·458	1·462	1·465	1·475	1·489	1·507
May . . .	1·509	1·495	1·493	1·496	1·504	1·517	1·531	1·537
June . . .	1·546	1·519	1·512	1·520	1·534	1·544	1·561	1·568
July . . .	1·541	1·522	1·514	1·471	1·530	1·541	1·558	1·568
August . . .	1·498	1·479	1·475	1·478	1·482	1·495	1·511	1·528
September . . .	1·456	1·442	1·439	1·438	1·447	1·459	1·475	1·492
October . . .	1·449	1·432	1·430	1·429	1·436	1·455	1·475	1·495
November . . .	1·306	1·300	1·293	1·294	1·308	1·318	1·339	1·354
December . . .	1·374	1·377	1·370	1·370	1·371	1·382	1·398	1·414
Hourly Means	1·454	1·438	1·433	1·429	1·439	1·450	1·466	1·481

Van Diemen Island Time. }	8 ^h .	9 ^h .	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .
	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1·411	1·416	1·420	1·413	1·400	1·405	1·396	1·392
February . . .	1·452	1·461	1·461	1·461	1·465	1·472	1·461	1·461
March . . .	1·492	1·489	1·499	1·499	1·509	1·512	1·508	1·502
April . . .	1·515	1·525	1·523	1·520	1·527	1·515	1·526	1·516
May . . .	1·548	1·550	1·553	1·549	1·536	1·525	1·536	1·533
June . . .	1·574	1·577	1·580	1·581	1·566	1·563	1·557	1·560
July . . .	1·576	1·582	1·586	1·592	1·570	1·563	1·571	1·568
August . . .	1·537	1·549	1·550	1·549	1·555	1·558	1·542	1·537
September . . .	1·507	1·511	1·517	1·514	1·509	1·504	1·506	1·499
October . . .	1·514	1·511	1·511	1·512	1·502	1·492	1·493	1·495
November . . .	1·372	1·387	1·383	1·380	1·387	1·374	1·370	1·365
December . . .	1·434	1·439	1·441	1·437	1·430	1·420	1·416	1·422
Hourly Means	1·494	1·491	1·502	1·492	1·496	1·492	1·490	1·483

Van Diemen Island Time. }	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . . .	1·393	1·413	1·404	1·413	1·415	1·408	1·402	1·387	29·393
February . . .	1·459	1·468	1·471	1·472	1·477	1·471	1·462	1·443	29·446
March . . .	1·506	1·507	1·517	1·517	1·515	1·509	1·509	1·483	29·488
April . . .	1·523	1·519	1·532	1·535	1·537	1·532	1·518	1·505	29·508
May . . .	1·528	1·534	1·539	1·549	1·552	1·546	1·538	1·524	29·531
June . . .	1·561	1·566	1·566	1·580	1·581	1·578	1·574	1·555	29·559
July . . .	1·564	1·563	1·576	1·583	1·591	1·584	1·580	1·560	29·567
August . . .	1·536	1·549	1·552	1·554	1·554	1·548	1·534	1·523	29·527
September . . .	1·501	1·503	1·511	1·510	1·508	1·506	1·488	1·472	29·488
October . . .	1·493	1·498	1·502	1·497	1·494	1·489	1·480	1·462	29·480
November . . .	1·370	1·362	1·363	1·367	1·360	1·351	1·337	1·318	29·349
December . . .	1·418	1·419	1·419	1·423	1·421	1·412	1·404	1·392	29·409
Hourly Means	1·488	1·492	1·496	1·500	1·500	1·495	1·486	1·469	29·478

TABLE XXXIV.

Mean Annual Variation of the Meteorological Phenomena.

MONTHS.	Ther- mometer.	Elastic Force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.
		In.		In.	In.
January . . .	+8·63	+·050	-10	-·032	-·085
February . . .	+7·89	+·070	- 5	+·037	-·032
March	+5·43	+·040	- 5	+·049	+·010
April	-0·30	+·004	+ 1	+·033	+·030
May	-4·18	-·020	+ 6	+·032	+·053
June	-8·14	-·046	+10	+·034	+·081
July	-9·75	-·055	+12	+·033	+·089
August	-7·45	-·048	+ 7	+·002	+·049
September . .	-3·55	-·032	+ 1	-·023	+·010
October	-0·36	-·017	- 3	-·016	+·002
November. . .	+4·12	+·018	- 6	-·112	-·129
December. . .	+7·66	+·036	-11	-·034	-·069

TABLE XXXV.

Mean Diurnal Variation of the Meteorological Phenomena.

Hours.	Thermometer.	Elastic Force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.
		In.		In.	In.
Noon.	+6·10	+·017	-11	-·009	-·024
1	+6·98	+·018	-13	-·023	-·040
2	+7·17	+·017	-13	-·030	-·045
3	+6·70	+·016	-13	-·034	-·049
4	+5·66	+·012	-11	-·028	-·039
5	+3·87	+·007	- 8	-·022	-·028
6	+1·76	+·003	- 4	-·009	-·012
7	+0·09	+·002	- 1	+·004	+·003
8	-1·11	·000	+ 2	+·015	+·016
9	-1·89	-·001	+ 3	+·019	+·013
10	-2·55	-·004	+ 5	+·019	+·024
11	-3·08	-·006	+ 5	+·016	+·014
12	-3·59	-·008	+ 6	+·009	+·018
13	-4·03	-·011	+ 7	+·002	+·014
14	-4·41	-·013	+ 7	-·002	+·012
15	-4·81	-·015	+ 8	-·007	+·005
16	-5·09	-·018	+ 8	-·009	+·010
17	-5·21	-·016	+ 8	-·003	+·014
18	-4·80	-·013	+ 8	+·004	+·018
19	-3·62	-·008	+ 7	+·013	+·022
20	-1·80	-·002	+ 4	+·019	+·022
21	+0·49	+·004	- 1	+·020	+·017
22	+2·66	+·008	- 5	+·015	+·008
23	+4·55	+·013	- 8	+·003	-·009

The times of observation in the foregoing Magnetical and Meteorological Abstracts are specified as "hours of mean time at Van Diemen Island;" the actual times of observation were, however, in every case a little after the hours specified. The instructions of the Royal Society directed that the times of observation should be "hours of mean time at Göttingen." The difference of meridians between Göttingen and Hobarton is $9^h 10^m$, Hobarton being east; if therefore it had been possible that all the instruments to be observed at any particular hour could have been attended to at the same instant, that instant would have been 10^m after the occurrence of an exact hour of mean time at Hobarton. But as this was not possible, the meteorological instruments were first observed, and were completed before the occurrence of the exact Göttingen hour, and consequently within 10^m after the occurrence of an exact hour at Hobarton. The magnetical instruments were then observed, and the actual time of their observation is consequently somewhat more than 10^m after the specified hour of mean time at Hobarton.

EDWARD SABINE.

Woolwich, June 18th, 1850.

VAN DIEMEN ISLAND, 1841.

MAGNETICAL OBSERVATIONS.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JANUARY.	1	34.5	26.2	30.1	32.0	29.7	33.3	37.1	33.1	30.9	30.4	30.1	28.0
	2	36.5	32.9	34.5	—	—	—	—	—	—	—	—	—
	3	—	—	—	33.1	32.3	36.7	31.1	31.6	31.3	29.1	28.4	30.8
	4	37.2	35.9	36.5	37.5	38.7	36.2	32.9	33.4	33.3	30.2	27.5	26.4
	5	37.7	35.6	36.8	36.3	36.3	35.3	34.8	34.4	35.9	33.8	31.3	30.6
	6	38.5	37.3	37.6	36.5	36.4	36.8	35.7	35.6	33.5	31.6	28.5	27.9
	7	35.3	35.8	29.9	33.5	33.6	34.3	36.5	35.3	32.3	30.3	26.6	24.3
	8	34.4	29.9	35.6	36.1	36.0	34.8	33.2	35.6	30.9	26.2	25.3	26.5
	9	34.2	29.6	35.7	—	—	—	—	—	—	—	—	—
	10	—	—	—	35.9	35.6	34.7	36.4	34.4	32.9	32.2	31.0	29.0
	11	38.3	37.6	35.8	35.6	35.9	36.6	37.4	36.8	35.4	32.3	29.8	28.1
	12	40.3	39.3	38.5	37.5	37.8	38.2	37.2	37.5	36.0	34.1	31.8	29.7
	13	41.0	38.5	28.2	33.6	36.2	35.8	35.8	33.2	32.6	30.6	26.5	28.6
	14	32.8	33.0	32.6	29.8	25.8	32.8	32.1	32.5	29.3	31.3	25.8	26.7
	15	35.6	35.5	34.7	36.0	31.2	32.3	37.6	36.1	34.7	34.0	32.1	33.3
	16	35.8	39.3	37.5	—	—	—	—	—	—	—	—	—
	17	—	—	—	39.5	36.8	37.5	38.3	38.1	37.8	35.3	32.5	31.6
	18	40.2	39.8	38.0	38.6	38.5	38.1	37.8	37.0	35.7	33.3	30.6	29.9
	19	42.3	37.1	—	39.0	33.1	32.1	—	35.5	34.5	35.0	32.5	45.1
	20	38.9	35.9	36.9	38.3	32.3	32.2	35.9	39.6	36.3	33.5	34.3	31.0
	21	41.1	40.1	39.0	39.9	38.1	39.3	40.0	35.2	35.6	41.4	32.6	30.6
	22	39.9	39.0	44.4	38.2	39.2	38.6	39.0	37.3	37.1	32.5	28.9	29.2
	23	40.2	40.6	40.0	—	—	—	—	—	—	—	—	—
	24	—	—	—	39.8	39.3	38.7	38.4	38.2	37.1	34.4	34.5	28.8
	25	40.5	39.9	36.5	36.6	35.2	36.0	32.6	32.3	33.1	34.3	31.6	29.7
	26	38.0	32.3	38.5	38.1	40.9	40.1	40.1	42.1	38.5	32.9	29.9	29.0
	27	34.8	37.6	36.7	39.0	38.3	34.0	40.2	40.3	37.4	38.4	43.1	36.4
	28	36.2	40.8	40.0	40.6	38.0	37.5	36.0	35.3	36.6	35.1	32.3	35.0
	29	38.4	39.4	38.4	39.5	38.3	38.7	39.2	40.0	40.8	37.2	33.9	32.9
	30 ^a	39.2	39.5	39.4	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	37.6	29.0	35.4	34.5	32.5	35.5	31.6	35.3	45.7
Hourly Means	37.76	36.48	36.47	36.85	35.48	36.00	36.39	35.88	34.81	33.12	31.03	30.95	
FEBRUARY.	1	33.9	38.3	40.6	39.8	38.8	37.9	40.9	39.7	37.3	34.3	32.2	30.8
	2	41.3	41.0	40.9	37.6	35.2	35.8	36.8	36.8	35.6	33.5	31.9	34.1
	3	42.1	41.0	40.3	36.8	39.8	37.0	36.8	36.5	36.0	33.5	32.1	31.9
	4	42.4	41.9	41.1	40.0	39.7	38.5	38.1	35.6	36.7	35.4	33.5	33.4
	5	41.0	40.7	41.3	40.1	40.4	40.6	38.9	37.8	37.4	35.7	35.0	34.8
	6	42.2	41.8	41.7	—	—	—	—	—	—	—	—	—
	7	—	—	—	24.6	23.4	26.0	33.0	34.8	32.0	27.8	22.4	39.0
	8	41.7	40.3	35.0	39.5	38.9	40.6	37.3	39.3	38.3	37.1	35.6	33.3
	9	41.9	29.1	21.9	32.3	41.0	40.1	39.9	37.2	36.0	33.3	30.1	33.3
	10	42.3	41.9	41.7	42.1	39.8	40.3	40.4	40.2	39.9	37.9	35.1	34.2
	11	40.3	40.4	39.1	40.5	37.7	36.1	36.1	39.1	37.2	36.1	34.9	35.4
	12	42.8	44.1	41.4	40.1	42.5	39.3	35.3	36.3	35.5	34.7	32.8	32.7
	13	42.4	40.8	38.1	—	—	—	—	—	—	—	—	—
	14	—	—	—	40.5	41.9	41.1	39.8	40.1	40.7	38.4	38.7	37.9
	15	45.1	36.9	34.6	25.9	26.3	22.6	35.6	38.3	31.5	30.4	29.8	34.9
	16	40.5	39.4	42.2	41.0	41.0	39.0	34.6	39.7	39.6	40.5	42.4	38.5
	17	42.6	41.6	46.1	40.4	41.3	40.6	40.6	42.0	40.2	39.1	38.2	35.9
	18	42.6	41.9	39.9	39.2	40.2	41.0	40.8	40.4	40.2	40.0	39.9	34.7
	19	43.0	42.8	41.9	41.2	41.1	41.0	40.4	39.4	38.9	37.1	35.7	37.1
	20	43.0	39.9	40.4	—	—	—	—	—	—	—	—	—
	21	—	—	—	41.3	42.2	41.9	41.8	41.4	40.1	38.3	35.6	35.3
	22	43.0	42.3	40.4	40.2	41.2	42.4	40.3	39.8	40.0	37.9	34.6	34.2
	23	41.3	37.7	29.0	29.5	38.1	30.1	—	30.6	34.6	33.9	38.7	41.4
	24	39.6	39.2	40.4	39.5	41.8	41.0	39.2	40.2	41.2	35.9	34.8	35.9
	25	37.6	38.1	40.0	39.8	41.6	43.2	41.7	41.2	43.6	42.9	37.4	34.8
	26	29.7	28.9	32.6	36.5	49.2	45.1	49.8	48.4	44.9	38.3	38.4	39.8
	27 ^a	38.1	39.0	38.6	—	—	—	—	—	—	—	—	—
	28 ^a	—	—	—	40.3	41.8	42.2	42.2	42.2	44.3	41.5	43.6	37.9
Hourly Means	40.97	39.57	38.72	37.76	39.27	38.31	39.00	38.90	38.15	36.17	34.77	35.36	

^a Not included in the daily means.

DECLINATION.

Zero Scale Division, January 1st to 31st, 58.3; February 1st to 23th, 62.0.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
26.7	—	—	36.6	42.8	45.0	43.6	43.5	42.1	40.0	39.1	37.0	35.08
—	—	—	—	—	—	—	—	—	—	—	—	—
33.1	36.6	38.4	41.8	43.3	42.4	39.8	39.6	38.6	37.9	37.3	38.1	35.63
27.4	29.9	34.3	39.4	42.5	43.8	42.6	40.5	39.2	38.7	38.8	39.1	35.91
30.5	32.6	37.2	39.7	42.3	43.3	42.6	41.4	40.4	38.9	38.0	37.6	36.80
28.0	33.7	41.7	49.3	55.0	56.6	52.2	49.2	44.0	41.6	38.9	37.5	39.32
20.7	28.6	37.0	43.2	49.5	52.1	51.7	48.6	45.1	42.8	39.6	40.0	36.94
28.1	31.5	36.8	45.4	49.9	52.4	51.1	47.7	44.4	41.2	39.7	39.4	37.17
—	—	—	—	—	—	—	—	—	—	—	—	—
29.6	34.5	39.8	46.6	51.8	51.4	48.4	44.4	41.6	39.0	38.0	38.4	37.71
27.0	29.7	35.6	42.9	46.5	50.3	50.0	—	45.3	43.2	41.6	40.8	37.93
29.8	31.9	37.3	43.4	46.1	50.3	51.7	47.6	54.3	45.5	44.3	44.3	40.18
29.8	35.3	37.9	43.7	48.2	49.1	47.9	47.2	47.6	45.6	43.6	35.5	38.00
28.4	30.8	35.5	41.9	47.1	49.1	49.4	47.8	43.3	43.3	40.4	41.1	35.94
34.5	36.2	39.0	41.9	46.2	48.3	47.1	47.5	44.2	43.0	41.5	40.2	38.45
—	—	—	—	—	—	—	—	—	—	—	—	—
31.9	34.2	38.3	43.2	45.7	45.2	43.5	42.9	40.9	39.1	39.3	40.3	38.52
30.5	32.8	36.7	41.6	44.7	46.5	46.3	45.3	45.9	44.3	43.9	43.5	39.15
48.5	44.4	44.5	48.8	49.3	47.7	46.8	43.3	42.2	40.9	40.8	39.2	41.03
31.0	34.0	36.7	41.4	45.1	47.3	45.5	43.5	41.5	40.4	39.1	40.5	37.96
33.3	35.7	38.8	44.1	47.0	47.0	44.4	41.5	39.7	32.7	37.9	40.0	38.96
29.1	31.8	35.9	42.0	47.9	50.0	47.9	43.7	41.3	39.6	40.1	40.3	38.87
—	—	—	—	—	—	—	—	—	—	—	—	—
33.6	35.5	40.1	43.9	48.0	49.4	48.3	47.3	45.0	43.6	43.4	36.3	40.18
30.9	34.5	41.8	44.4	48.2	48.4	48.0	45.1	43.1	41.3	34.6	39.0	38.23
29.1	33.4	38.4	42.1	47.0	48.2	49.9	47.0	44.7	42.7	36.7	37.9	39.06
39.5	41.3	40.4	44.9	46.5	48.4	48.0	44.3	40.7	42.3	40.2	35.1	40.32
32.0	34.2	37.6	42.3	45.8	49.5	47.7	46.2	41.7	41.2	38.5	40.5	39.19
33.4	37.0	40.0	41.8	45.2	46.8	46.8	43.6	43.4	42.1	40.8	40.5	39.92
—	—	—	—	—	—	—	—	—	—	—	—	—
39.6	—	—	—	—	46.0	—	—	46.3	43.8	40.8	40.1	—
31.38	34.17	38.32	43.05	46.86	48.25	47.25	44.95	43.33	41.33	39.88	39.32	38.14
31.7	35.1	38.4	40.6	44.0	44.8	44.1	43.1	42.8	42.6	41.9	41.4	38.96
33.4	39.3	42.6	43.2	44.4	43.7	44.2	43.8	42.7	44.3	43.9	43.6	39.57
33.7	37.0	39.7	42.9	45.8	41.8	40.4	44.3	44.3	42.4	43.7	43.1	39.29
34.3	38.3	42.0	44.4	47.0	47.9	47.2	47.2	44.6	43.4	41.6	42.6	40.70
36.6	40.1	43.8	47.5	50.5	50.6	47.3	44.1	42.2	41.8	42.8	42.0	41.38
—	—	—	—	—	—	—	—	—	—	—	—	—
27.7	31.6	38.7	45.2	48.3	50.4	49.0	48.8	45.8	42.5	42.5	41.9	37.55
32.9	36.4	40.7	44.0	47.2	49.0	49.6	49.8	50.6	49.7	46.1	43.2	41.50
31.8	32.0	37.0	39.9	43.6	46.2	46.5	45.1	43.2	42.5	42.4	42.1	37.85
35.7	38.5	41.5	44.8	47.8	49.1	49.6	47.1	45.3	43.8	45.8	45.3	42.09
34.8	40.2	45.6	47.5	48.8	50.2	50.0	46.2	43.6	44.3	43.9	39.3	41.14
35.7	41.4	45.1	48.4	50.3	50.0	48.3	45.3	44.5	43.5	43.5	43.2	41.53
—	—	—	—	—	—	—	—	—	—	—	—	—
37.9	38.4	41.6	44.3	45.7	46.5	46.8	46.0	44.8	44.5	45.9	47.3	42.09
39.2	40.6	45.6	47.4	48.3	47.9	46.1	44.4	43.8	43.5	28.7	38.3	37.74
40.1	41.6	44.0	43.1	44.3	45.3	45.7	45.0	43.3	43.0	41.8	39.2	41.45
36.6	40.6	45.5	47.7	49.1	48.5	46.1	44.6	43.0	42.5	42.8	41.7	42.39
35.5	37.3	40.2	43.3	44.3	45.1	45.7	46.0	44.7	43.8	43.8	43.5	41.42
35.0	37.4	41.9	45.4	46.7	47.3	47.2	46.6	44.7	43.7	42.8	43.1	41.73
—	—	—	—	—	—	—	—	—	—	—	—	—
34.7	36.7	40.9	45.0	46.3	47.8	47.4	45.9	44.1	43.1	43.7	42.2	41.63
29.2	43.7	52.1	46.7	46.9	48.4	48.0	45.5	44.5	43.7	37.0	39.4	41.73
40.7	39.4	45.5	45.4	48.6	49.2	48.2	45.6	42.8	38.8	41.6	42.2	39.69
34.2	35.9	40.4	44.7	48.6	49.5	48.9	47.9	43.9	42.7	43.0	42.3	41.28
35.1	38.0	42.2	46.3	50.6	50.6	50.6	49.9	44.2	42.4	45.2	40.4	42.39
38.0	36.9	41.1	43.4	46.3	48.0	49.6	48.0	44.2	43.0	40.9	41.1	41.75
—	—	—	—	—	—	—	—	—	—	—	—	—
35.3	—	—	—	—	—	—	—	50.5	46.3	48.0	48.3	—
34.98	38.10	42.44	44.83	47.10	47.73	47.24	46.10	44.24	43.28	42.40	42.10	40.73

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
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.	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	47.9	43.9	42.7	45.0	46.9	46.8	45.2	46.1	48.0	46.0	42.2	39.7
	2	47.9	47.8	47.6	45.9	46.5	46.7	48.0	47.2	45.6	43.4	42.3	39.9
	3	48.3	47.9	45.6	46.5	48.2	48.9	50.1	49.2	44.8	43.1	41.6	40.2
	4	48.9	48.2	46.4	47.5	47.3	47.2	46.8	47.2	47.1	45.8	41.5	40.6
	5	47.3	47.9	46.9	45.0	46.2	48.2	46.7	46.3	45.2	44.5	42.2	41.1
	6	46.0	46.1	48.3	—	—	—	—	—	—	—	—	—
	7	—	—	—	47.8	46.6	47.7	47.3	47.0	46.9	43.2	38.1	38.0
	8	50.3	49.5	49.2	49.3	48.1	47.9	48.6	48.1	47.8	44.1	42.8	39.9
	9	49.9	48.1	48.4	48.5	48.2	47.7	47.5	48.1	47.6	46.3	42.1	38.9
	10	49.4	49.4	48.7	48.9	47.9	49.5	48.8	48.1	47.6	46.5	42.0	39.5
	11	50.3	48.4	47.9	49.5	46.9	47.6	47.6	46.2	44.9	44.1	44.6	42.9
	12	50.5	44.4	46.3	48.0	47.4	49.3	48.8	48.3	47.4	45.8	43.9	41.8
	13	49.7	49.2	49.0	—	—	—	—	—	—	—	—	—
	14	—	—	—	49.5	47.5	48.6	47.7	47.1	47.6	45.5	46.9	38.4
	15	44.4	45.0	50.5	44.9	43.6	38.3	40.5	46.8	44.3	49.6	46.1	48.2
	16	49.6	47.6	47.3	48.4	47.5	43.7	40.9	57.1	48.3	46.7	45.9	49.6
	17	43.5	44.3	47.4	48.6	52.0	50.7	49.6	49.3	48.4	49.1	46.7	48.9
	18	48.7	48.3	46.4	49.4	48.5	48.6	50.3	51.6	49.2	47.9	47.1	44.9
	19	48.8	44.2	39.5	42.7	48.4	—	46.9	49.8	47.7	46.7	43.6	42.0
	20	47.2	54.8	41.7	—	—	—	—	—	—	—	—	—
	21	—	—	—	46.9	47.2	47.4	49.8	49.9	48.9	49.3	48.1	44.2
	22	51.3	49.1	42.1	39.6	39.1	32.1	68.2	41.0	50.5	52.2	59.6	52.4
	23	46.0	42.5	34.0	48.4	55.2	54.2	47.8	48.5	49.2	49.4	49.1	47.1
	24	41.9	47.7	47.2	49.2	49.1	50.3	49.4	50.4	54.6	49.9	51.1	49.8
	25	46.3	45.1	46.7	49.5	50.2	50.7	50.9	52.0	52.4	52.5	51.0	46.8
	26	49.3	49.8	47.6	49.6	49.8	51.6	51.9	51.5	48.6	46.8	46.9	44.3
	27	47.5	47.1	50.4	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	45.7	48.1	44.2	57.0	49.0	48.6	45.7	41.7
	29	48.9	47.5	48.3	50.6	47.4	49.9	50.1	49.5	50.0	49.4	48.1	46.8
	30	45.5	45.6	48.2	53.3	53.7	51.4	48.4	48.8	49.1	50.5	49.8	46.0
31 ^a	50.9	49.8	50.1	50.9	50.1	48.8	50.0	49.2	49.4	49.1	48.0	46.2	
Hourly Means	48.01	47.38	46.43	47.53	47.97	47.77	48.59	48.94	48.15	47.26	45.81	43.70	
APRIL.	1	47.9	47.7	47.8	49.0	47.6	47.7	47.1	46.0	45.0	44.8	43.1	41.7
	2	48.6	47.4	47.9	48.7	48.2	48.0	47.6	46.9	46.6	45.9	44.5	41.1
	3	49.9	40.4	47.9	—	—	—	—	—	—	—	—	—
	4	—	—	—	45.9	48.5	47.8	47.5	47.5	47.1	45.3	44.2	43.4
	5	48.0	47.8	48.4	48.3	48.4	48.5	46.8	47.6	47.1	46.9	45.5	43.6
	6	48.0	47.8	48.1	48.5	48.2	48.1	47.3	47.9	46.9	46.6	45.4	43.6
	7	47.7	42.1	46.6	43.7	47.1	47.6	47.4	47.7	47.4	46.7	45.7	44.6
	8	47.8	47.2	38.1	39.6	42.1	44.9	46.8	47.8	46.7	50.5	45.6	43.5
	9	47.5	48.0	47.2	47.1	47.9	48.2	48.1	47.9	47.9	47.6	46.5	43.7
	10	48.3	47.9	47.8	—	—	—	—	—	—	—	—	—
	11	—	—	—	37.8	44.4	43.4	44.1	—	43.4	53.2	46.4	44.2
	12	46.0	47.3	46.5	48.4	47.3	47.1	50.2	50.8	48.8	47.1	45.0	43.3
	13	47.2	47.6	40.5	45.8	45.9	48.9	47.5	48.1	47.8	47.9	45.4	44.1
	14	48.5	48.3	48.3	48.5	48.8	49.7	47.1	47.7	47.8	49.0	48.2	45.4
	15	48.5	48.0	48.7	48.2	48.2	48.3	53.8	48.4	48.3	47.5	46.2	43.4
	16	49.0	48.3	45.6	47.0	46.8	48.1	51.5	48.9	47.6	45.8	45.2	44.9
	17	48.7	47.9	47.6	—	—	—	—	—	—	—	—	—
	18	—	—	—	47.3	50.5	59.7	54.1	47.7	59.4	57.9	49.3	48.0
	19	46.1	42.8	45.1	45.6	46.1	47.5	49.5	48.4	48.7	50.4	50.9	48.2
	20	40.8	40.9	45.8	48.7	48.0	50.2	50.4	50.6	52.2	51.6	56.6	58.7
	21	45.0	49.5	42.2	45.9	48.4	49.1	54.0	52.0	50.7	50.1	48.3	50.6
	22	47.5	45.4	45.3	48.5	50.5	53.0	50.9	51.0	54.2	51.5	51.9	51.0
	23	47.3	46.5	48.0	47.9	50.5	50.7	50.2	48.8	48.8	48.0	47.7	46.7
	24	41.8	45.8	47.6	—	—	—	—	—	—	—	—	—
	25	—	—	—	47.9	48.4	49.0	50.9	50.0	49.5	51.0	52.3	51.2
	26	48.7	47.8	47.9	48.0	47.4	48.1	49.9	48.5	51.0	51.7	47.6	47.3
	27	48.0	45.8	47.0	48.1	49.5	48.8	49.6	48.7	48.7	48.7	47.1	45.9
	28	48.2	46.4	48.0	48.4	50.1	50.2	49.8	48.1	48.6	50.4	47.6	50.3
	29	47.8	44.6	47.4	48.4	49.0	49.6	49.9	49.3	48.6	48.6	47.6	47.9
	30	48.4	48.1	41.9	48.2	49.8	48.7	48.8	47.6	48.4	49.4	48.2	47.3
Hourly Means	47.36	46.43	46.28	46.90	47.98	48.88	49.26	48.56	48.74	49.00	47.38	46.29	

^a Not included in the daily means.

DECLINATION.

Zero Scale Division, March 1st to 31st, 62°0; April 1st to 30th, 62°0.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
39.5	42.9	47.7	51.6	55.0	55.6	54.5	52.2	50.1	48.9	49.2	48.6	47.34
41.8	45.5	51.4	54.7	57.0	57.4	56.0	49.0	50.7	49.4	49.2	48.7	48.32
42.4	47.3	51.2	54.8	56.7	56.8	55.9	53.0	50.6	49.2	49.9	48.7	48.79
40.1	43.1	46.3	51.1	54.4	54.5	54.0	51.5	50.4	49.3	49.0	48.1	47.76
43.2	47.0	50.4	53.8	56.9	56.8	55.1	51.8	50.1	49.4	49.2	49.2	48.31
—	—	—	—	—	—	—	—	—	—	—	—	—
42.1	44.1	49.4	54.6	59.5	60.1	57.8	54.9	53.3	51.7	51.3	50.3	48.84
41.4	44.5	49.1	54.4	60.2	61.2	59.6	55.3	53.4	51.4	50.6	50.0	49.86
39.8	38.4	47.9	52.6	55.9	57.6	57.3	54.0	51.4	50.9	50.7	51.2	48.71
41.4	44.0	48.6	51.7	55.9	57.7	58.7	54.8	51.8	51.9	51.5	50.6	49.37
43.7	43.9	50.4	54.0	54.7	54.9	54.9	55.3	52.6	51.0	51.7	51.4	49.14
43.1	46.0	50.2	55.1	58.0	57.7	55.5	53.0	51.2	51.0	51.1	50.5	49.35
—	—	—	—	—	—	—	—	—	—	—	—	—
41.1	47.8	53.8	58.1	62.8	63.0	67.2	64.5	52.2	50.5	49.0	45.6	50.93
47.0	45.0	46.5	48.6	53.5	56.5	53.4	55.1	55.6	50.6	47.1	49.4	47.94
46.5	47.2	50.9	54.4	57.3	58.3	54.1	54.6	52.6	52.1	50.6	44.5	49.82
46.6	49.2	51.6	54.8	56.2	57.9	57.6	53.3	49.9	51.0	48.0	47.0	50.07
43.6	46.2	49.3	53.7	55.4	55.6	55.0	53.4	51.4	49.7	50.3	49.3	49.74
44.1	48.6	51.5	53.8	56.8	57.8	58.2	57.1	54.1	54.0	50.9	48.7	49.39
—	—	—	—	—	—	—	—	—	—	—	—	—
44.5	46.1	51.4	55.6	56.1	58.6	60.3	57.8	60.2	54.7	53.3	52.6	51.11
46.0	50.7	50.8	52.5	54.8	54.8	56.4	48.2	40.6	47.7	49.6	48.8	49.09
47.6	46.2	48.1	51.5	53.9	55.8	55.2	52.0	51.3	51.1	49.9	46.5	49.19
47.8	47.1	51.0	55.3	57.8	59.3	58.7	54.4	53.4	51.3	48.1	47.9	50.95
44.1	44.7	48.0	54.1	58.7	58.5	58.3	53.9	52.1	50.9	50.7	49.2	50.72
43.0	44.9	49.2	53.4	56.6	58.3	58.0	56.7	53.5	51.9	51.5	50.1	50.62
—	—	—	—	—	—	—	—	—	—	—	—	—
43.3	45.1	48.5	53.1	57.0	58.5	58.2	54.9	51.9	51.2	50.7	47.7	49.38
47.5	47.2	52.1	59.6	57.1	57.6	58.5	52.8	52.2	52.0	52.0	45.0	50.84
46.8	50.0	53.3	55.2	57.0	56.3	54.8	52.6	51.4	51.1	51.2	50.8	50.87
—	—	—	—	—	—	52.5	50.7	49.4	48.8	48.7	48.1	—
43.77	45.87	49.95	53.93	56.74	57.58	56.88	53.96	51.75	50.84	50.19	48.83	49.48
42.1	44.5	47.8	51.2	52.9	53.3	52.8	51.5	50.0	49.4	48.9	49.0	47.87
43.1	44.8	48.2	51.9	54.5	53.9	52.8	52.0	51.1	50.3	51.3	51.4	48.61
—	—	—	—	—	—	—	—	—	—	—	—	—
42.9	44.6	47.3	50.7	53.4	54.8	54.2	51.8	50.1	49.0	47.8	47.7	47.90
43.2	44.8	48.3	52.9	56.2	56.5	55.0	52.9	50.5	49.9	48.8	48.0	48.91
41.8	42.1	44.6	46.6	52.3	55.3	55.6	55.8	54.4	51.9	50.0	49.1	48.58
43.2	43.5	45.4	51.5	55.6	57.0	55.5	53.7	51.7	51.0	50.8	50.6	48.50
41.6	43.9	47.9	52.2	54.4	55.0	54.1	54.3	51.7	49.7	48.8	48.7	47.62
41.0	42.0	45.9	51.5	54.8	55.0	54.0	52.5	50.8	50.1	49.3	48.7	48.47
—	—	—	—	—	—	—	—	—	—	—	—	—
43.2	46.2	50.2	52.6	55.8	57.7	56.7	54.5	53.4	50.7	49.8	46.6	48.62
43.0	47.6	48.9	52.0	55.8	56.5	55.3	53.9	51.9	50.1	48.8	47.5	49.13
43.1	44.1	46.3	49.2	52.6	54.2	53.1	51.8	51.3	49.9	49.6	48.9	47.95
42.7	43.2	45.3	50.0	53.5	54.6	53.6	52.0	49.9	49.9	49.0	48.9	48.75
43.2	43.7	46.5	50.3	53.8	55.2	53.6	52.4	50.8	50.6	49.5	48.9	49.00
45.9	46.7	49.9	51.6	55.2	55.1	55.4	52.9	52.2	51.5	50.1	50.3	49.40
—	—	—	—	—	—	—	—	—	—	—	—	—
48.0	48.3	49.3	49.8	50.8	52.9	54.6	44.8	51.0	45.5	49.3	48.3	50.45
49.2	47.0	45.9	48.4	51.1	55.5	52.6	51.4	50.5	40.7	37.1	37.3	47.33
51.2	45.1	47.6	48.1	51.7	52.2	52.6	54.2	52.2	50.0	43.4	42.4	49.38
50.7	47.6	50.3	54.5	54.5	56.0	56.0	53.4	49.7	44.4	49.6	47.5	50.00
51.0	51.9	51.9	54.1	54.6	53.3	52.5	51.8	50.2	44.9	48.3	48.3	50.56
45.2	45.7	47.6	49.5	52.6	53.4	52.9	52.2	50.4	49.2	49.2	47.4	49.02
—	—	—	—	—	—	—	—	—	—	—	—	—
48.8	46.8	48.6	50.9	54.3	55.5	54.0	54.8	53.1	51.2	51.0	49.1	50.15
46.0	45.0	46.7	50.3	54.3	56.5	58.8	57.8	57.7	52.3	47.7	48.5	50.23
44.5	44.1	46.2	45.1	53.4	54.8	54.4	52.8	51.1	50.4	49.6	44.5	48.62
46.8	46.1	49.8	49.8	53.7	54.0	54.6	49.2	52.5	—	50.6	48.9	49.66
46.6	47.0	49.0	50.8	53.0	55.5	55.1	57.5	54.7	55.1	51.1	46.1	50.00
46.7	45.3	45.9	49.8	52.3	56.2	54.9	54.7	52.0	51.0	45.8	48.0	49.06
45.18	45.45	47.74	50.59	53.73	55.00	54.41	52.95	51.73	49.55	48.66	47.72	48.99

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.												
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 .
MAY.	1 ^a	47.6	49.0	49.1	—	—	—	—	—	—	—	—
	2 ^a	—	—	—	49.7	50.4	50.2	50.1	49.8	49.5	48.7	48.9
	3	49.9	49.6	49.4	49.6	50.2	50.1	49.8	50.4	49.9	49.7	48.7
	4	49.8	44.8	44.1	43.6	43.8	40.4	48.3	48.2	48.5	48.3	48.6
	5	51.0	51.1	50.3	49.7	49.7	51.8	51.6	51.6	50.1	51.0	50.5
	6	47.7	44.1	43.6	44.6	—	44.3	44.5	47.4	48.6	53.8	53.1
	7	48.6	47.8	49.5	49.2	51.8	50.9	51.3	51.1	51.1	50.2	50.6
	8	51.4	51.2	51.2	—	—	—	—	—	—	—	—
	9	—	—	—	45.7	49.7	50.2	52.1	52.3	51.1	49.9	48.9
	10	46.0	46.2	40.0	27.1	35.0	60.0	56.6	79.0	54.6	56.6	58.3
	11	50.7	50.5	50.8	50.7	50.5	50.7	51.7	51.7	51.6	51.4	50.7
	12	47.4	44.1	49.3	50.7	51.3	50.0	54.0	53.5	53.1	51.6	50.8
	13	50.4	50.8	50.7	50.8	50.0	52.2	51.9	51.6	50.4	51.6	51.2
	14	51.0	49.7	50.0	51.0	51.2	51.9	52.0	52.2	52.1	50.6	51.0
	15	50.6	50.5	50.6	—	—	—	—	—	—	—	—
	16	—	—	—	50.5	51.3	51.6	51.9	51.6	51.5	51.2	51.0
	17	47.7	47.8	43.8	37.2	48.7	47.5	44.1	51.8	53.5	50.6	52.1
	18	46.6	50.2	50.8	51.4	51.5	53.1	58.2	51.3	51.3	51.6	54.5
	19	51.0	50.8	51.8	49.8	49.8	52.0	51.4	52.3	52.0	52.3	51.8
	20	47.9	50.4	51.1	51.0	50.7	52.0	52.6	52.8	52.6	52.1	52.0
	21	45.1	45.8	49.9	50.9	49.1	52.4	53.8	53.1	53.0	54.7	64.3
	22	51.1	49.8	45.6	—	—	—	—	—	—	—	—
	23	—	—	—	50.3	51.5	52.0	52.4	52.5	51.8	51.9	52.8
	24	51.2	51.4	51.4	51.8	51.9	52.6	52.5	52.4	52.0	51.8	52.4
	25	49.5	50.0	51.2	51.4	52.2	52.0	53.0	52.4	51.3	51.0	51.5
	26	48.9	50.6	50.4	50.7	51.9	51.6	51.9	51.2	53.7	50.6	51.3
	27	47.4	48.8	47.7	50.3	50.3	51.9	53.9	57.9	53.3	57.1	54.7
	28	52.3	51.7	51.2	51.8	51.6	53.4	51.7	52.4	51.4	50.9	57.4
	29	52.3	51.5	49.0	—	—	—	—	—	—	—	—
	30	—	—	—	52.6	52.2	53.2	54.4	53.6	52.7	52.7	52.3
	31 ^a	52.3	52.3	52.4	52.7	52.7	52.9	52.4	52.5	52.5	52.4	52.4
Hourly Means	49.44	49.25	49.03	48.65	49.96	51.19	51.85	52.95	51.66	51.70	52.38	
JUNE.	1	46.2	45.6	44.8	44.7	46.6	50.6	47.2	45.9	46.4	47.5	
	2	45.6	45.8	47.1	47.2	47.7	47.6	47.6	50.4	48.0	47.3	
	3	48.2	48.0	48.2	47.8	46.8	46.9	48.6	48.5	48.5	48.4	
	4	45.9	46.8	46.9	45.5	50.3	46.8	48.2	47.9	47.8	48.3	
	5	45.9	46.9	47.4	—	—	—	—	—	—	—	
	6	—	—	—	47.5	48.7	48.9	—	50.0	50.3	49.5	
	7	46.7	44.4	45.5	46.1	47.0	47.0	47.0	48.1	49.7	48.8	
	8	45.7	47.9	47.9	47.8	47.7	48.0	49.1	49.3	49.0	48.2	
	9	43.5	45.6	47.6	47.8	48.5	46.5	47.4	48.2	48.3	48.9	
	10	49.0	47.8	49.7	48.8	48.5	48.6	48.6	49.3	49.5	49.1	
	11	48.3	47.8	48.3	48.0	48.3	49.0	49.7	49.2	49.7	49.0	
	12	48.5	48.1	48.6	—	—	—	—	—	—	—	
	13	—	—	—	51.2	49.9	49.5	49.1	48.9	49.8	49.6	
	14	48.3	48.3	47.9	48.4	48.8	50.5	52.7	52.0	49.4	49.0	
	15	48.8	49.3	49.8	48.3	44.3	47.7	48.6	50.0	51.9	54.0	
	16	47.8	47.5	46.6	48.8	49.5	50.5	53.4	49.9	49.5	49.0	
	17	48.3	48.9	49.4	49.1	49.7	49.4	48.1	47.8	50.0	53.3	
	18	46.6	48.4	47.6	47.9	40.0	46.1	49.6	50.2	50.0	50.1	
	19	49.0	48.5	48.5	—	—	—	—	—	—	—	
	20	—	—	—	47.6	49.1	49.9	50.2	50.1	50.8	50.1	
	21	47.6	48.3	48.1	48.6	49.3	49.1	51.3	50.9	50.4	50.1	
	22	49.3	45.2	48.4	48.2	51.1	50.2	49.1	50.4	48.4	48.5	
	23	50.0	47.8	48.2	47.6	46.9	45.0	47.6	49.9	48.7	48.5	
	24	46.1	46.9	46.9	47.8	48.6	48.4	50.7	50.4	50.9	49.5	
	25	48.2	47.4	47.4	45.2	47.2	49.4	51.6	50.3	49.6	50.4	
	26	49.0	48.8	48.5	—	—	—	—	—	—	—	
	27	—	—	—	49.1	49.5	49.6	51.7	52.3	50.1	49.9	
	28	49.2	49.2	49.5	49.9	48.0	49.3	49.0	50.0	50.1	49.2	
	29	49.0	49.1	49.4	49.3	48.1	50.3	50.3	51.2	51.1	51.9	
	30 ^a	49.0	48.9	48.2	48.1	49.3	50.4	50.7	50.2	49.5	50.3	
	Hourly Means	47.68	47.58	47.94	47.93	48.05	48.66	49.48	49.67	49.52	49.55	

* Omitted in the daily means.

DECLINATION.

Zero Scale Division, May 1st to 31st, 62°0'; June 1st to July 2nd, 63°4'.

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.
46·4	—	—	—	—	53·2	53·1	—	51·4	50·6	50·4	50·1	—
46·4	45·4	41·9	50·8	55·1	56·6	56·6	55·5	53·8	53·6	50·3	51·1	50·53
48·7	48·3	48·0	51·7	55·5	57·0	57·5	56·2	53·7	52·8	52·0	51·7	49·60
50·4	47·5	49·2	50·5	56·2	57·7	57·7	56·9	55·0	54·9	51·1	47·5	51·82
49·5	49·4	50·0	52·1	55·6	55·8	55·8	55·0	52·6	52·8	51·8	50·2	50·16
47·9	47·0	48·0	51·8	56·0	57·1	57·3	55·8	53·5	52·1	51·5	51·8	51·34
—	—	—	—	—	—	—	—	—	—	—	—	—
46·3	44·7	50·6	57·0	56·7	58·5	59·6	60·6	55·5	47·2	39·1	31·3	50·35
54·5	54·5	51·5	53·0	54·1	53·1	52·5	53·2	52·3	52·0	51·6	51·3	52·11
47·6	46·9	47·4	51·9	56·5	56·3	56·8	54·5	54·0	53·5	52·9	53·2	51·71
49·2	48·8	48·9	51·5	54·5	57·4	58·4	57·2	55·6	52·0	50·4	51·1	51·79
48·3	48·8	48·8	51·0	53·6	56·5	56·9	54·1	53·7	52·4	51·3	50·8	51·60
49·3	48·6	49·4	53·0	55·4	56·9	57·6	55·5	53·7	52·2	51·7	50·8	51·95
—	—	—	—	—	—	—	—	—	—	—	—	—
48·3	47·4	49·2	51·5	56·0	56·7	56·8	55·5	53·8	54·1	43·1	56·0	51·70
49·4	48·9	50·2	52·0	54·7	55·6	54·9	53·2	52·2	50·0	51·8	50·0	49·91
53·5	53·4	52·0	51·3	54·1	54·4	54·4	53·2	52·1	51·9	51·9	51·4	52·43
50·8	50·3	50·6	51·4	53·3	53·2	54·2	54·5	52·9	52·3	52·6	51·2	51·78
49·7	48·6	49·7	49·9	52·1	54·3	54·4	54·5	54·8	52·6	52·7	41·9	51·31
53·3	52·4	51·8	52·6	53·7	51·5	54·8	51·0	50·9	48·1	48·0	50·8	52·19
—	—	—	—	—	—	—	—	—	—	—	—	—
50·3	49·4	51·1	52·0	53·2	54·3	54·6	53·4	52·1	51·9	51·5	51·0	51·61
49·3	49·7	50·2	52·7	54·5	56·5	56·5	56·0	54·4	52·7	52·1	51·0	52·40
50·8	51·4	51·2	52·9	54·1	55·1	55·0	55·2	53·9	52·9	52·0	52·0	52·25
49·5	49·8	49·2	51·0	55·0	58·4	59·6	61·4	58·0	57·4	57·7	44·8	52·73
52·3	51·0	51·9	52·3	53·4	55·4	55·5	55·3	54·5	53·7	51·3	52·3	52·76
54·0	52·1	52·4	52·5	54·6	55·9	55·5	54·8	53·5	53·4	52·5	52·5	53·06
—	—	—	—	—	—	—	—	—	—	—	—	—
50·0	49·7	50·7	53·2	56·0	57·3	56·7	54·8	53·8	53·5	52·9	52·9	52·90
—	—	—	—	—	—	—	—	47·6	46·6	46·2	46·3	—
49·83	49·33	49·75	52·07	54·75	55·79	56·11	55·30	53·43	52·20	50·78	49·81	51·59
48·0	46·8	47·1	47·4	49·5	51·5	51·9	51·0	49·7	46·8	46·9	46·0	47·66
50·5	49·1	48·9	48·8	51·1	51·2	51·9	51·0	49·3	48·7	48·8	48·3	48·75
47·8	48·8	48·1	48·4	50·0	52·4	52·5	51·9	50·4	49·1	48·7	48·3	48·90
50·1	49·5	48·3	49·7	51·9	51·4	52·1	50·9	50·7	49·7	48·5	47·9	48·83
—	—	—	—	—	—	—	—	—	—	—	—	—
49·0	48·1	48·9	51·5	52·2	54·5	55·7	54·5	52·8	52·2	49·7	48·9	50·03
49·9	— ^b	—	—	—	53·5	50·5	51·9	51·0	50·1	49·3	49·0	—
49·0	49·1	49·3	50·4	51·4	52·0	51·9	52·6	52·0	52·3	51·0	49·7	49·60
49·2	48·4	49·0	50·6	50·8	53·4	52·2	53·4	50·6	50·4	49·4	49·3	49·02
49·0	49·4	48·7	48·6	50·8	52·4	52·5	51·0	51·7	52·0	48·5	49·0	49·67
48·8	48·5	48·0	49·5	52·3	52·0	52·8	52·3	51·2	48·5	50·8	48·9	49·53
—	—	—	—	—	—	—	—	—	—	—	—	—
50·9	49·6	48·4	49·3	51·3	52·7	—	51·2	50·3	49·6	49·1	48·9	50·01
47·8	47·5	48·4	49·9	51·1	—	—	51·0	49·6	49·6	49·9	48·1	49·37
52·1	53·0	51·1	52·3	53·5	53·1	53·2	52·0	49·8	50·1	50·1	48·6	50·87
47·7	46·9	48·0	48·8	50·4	52·0	52·1	51·4	49·5	49·4	49·3	48·9	49·33
52·8	49·8	49·2	48·8	54·5	50·5	54·1	52·9	50·4	48·9	49·5	46·5	50·35
56·0	49·0	48·5	50·2	51·0	51·2	51·7	50·6	49·6	49·5	49·1	49·3	49·28
—	—	—	—	—	—	—	—	—	—	—	—	—
48·8	50·4	50·7	51·8	52·0	52·8	52·7	51·0	49·7	49·2	49·3	49·0	50·02
47·8	48·3	49·4	50·8	51·5	53·4	54·4	52·8	51·3	50·0	50·0	49·3	50·10
49·5	49·3	49·3	50·0	53·1	—	53·1	51·4	51·1	51·8	50·3	50·3	49·94
49·4	50·4	49·5	53·1	53·4	54·8	55·2	51·7	51·0	48·9	50·5	42·8	49·56
48·8	49·2	49·6	50·3	52·1	52·7	51·8	52·9	48·1	54·6	51·1	51·3	49·95
48·5	47·1	47·6	51·7	52·4	53·9	53·0	52·3	50·8	50·5	52·1	49·9	49·80
—	—	—	—	—	—	—	—	—	—	—	—	—
47·6	46·6	48·9	50·0	50·9	51·6	52·3	51·4	50·5	50·1	49·0	49·7	49·82
49·6	50·8	50·2	50·9	52·6	53·4	53·0	52·2	51·0	51·1	50·7	50·5	50·39
48·2	49·4	50·5	50·3	52·1	54·1	52·1	52·5	51·9	50·7	49·4	49·3	50·55
49·4	50·0	50·8	—	—	—	—	62·2	59·3	59·8	58·7	58·7	—
49·47	49·00	49·05	50·13	51·75	52·63	52·73	52·31	50·90	50·52	49·99	49·09	49·69

^b Adjusting transit wire of telescope.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
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 .	
JULY.	1	58.8	58.7	58.4	59.7	59.4	59.7	60.0	61.9	60.2	59.4	59.6	59.9
	2	57.6	58.0	58.9	60.4	60.4	60.4	60.4	59.5	61.0	60.0	60.5	60.4
	3	60.2	59.3	60.1	—	—	—	—	—	—	—	—	—
	4	—	—	—	60.8	61.6	62.9	62.5	63.0	63.4	62.7	61.6	63.6
	5	62.9	62.1	61.0	61.4	60.5	61.8	61.2	61.0	62.5	61.8	62.6	62.7
	6	53.3	60.4	57.5	59.0	59.6	61.2	62.2	64.9	63.9	63.3	63.2	61.4
	7	—	57.1	59.2	61.5	62.2	63.1	62.2	64.5	63.8	63.3	63.2	63.1
	8	61.9	62.1	61.8	62.3	62.6	63.0	63.2	62.8	63.0	63.4	63.2	62.9
	9	62.2	62.4	62.7	62.8	64.0	63.3	63.5	63.7	63.2	63.8	63.2	63.3
	10	62.4	62.0	61.1	—	—	—	—	—	—	—	—	—
	11	—	—	—	62.3	62.7	63.5	63.5	66.6	64.8	62.7	62.3	62.0
	12	59.3	61.2	62.6	63.4	65.9	65.4	64.5	65.3	64.8	65.1	65.0	65.4
	13	62.7	61.3	60.4	62.5	61.7	63.1	65.1	64.9	64.1	64.6	66.8	64.9
	14	63.0	61.4	61.1	62.6	63.6	65.2	64.3	65.4	64.6	65.4	64.5	63.5
	15	60.9	60.5	57.9	58.4	62.1	63.4	64.1	64.6	63.1	63.4	65.6	64.0
	16	63.8	63.8	63.0	62.5	63.5	64.2	64.8	64.6	64.6	64.0	63.4	62.7
	17	63.9	64.4	64.4	—	—	—	—	—	—	—	—	—
	18	—	—	—	63.7	64.8	64.6	65.3	64.7	65.5	64.2	64.7	64.1
	19	63.8	64.3	62.5	64.3	63.7	62.3	64.9	61.3	65.0	64.3	64.4	63.6
	20	52.4	52.2	61.8	60.7	64.5	65.4	64.9	71.3	66.4	63.8	76.5	67.6
	21	61.8	64.2	60.7	62.8	63.0	63.0	64.3	65.8	64.1	65.1	65.1	65.3
	22	63.4	62.8	62.5	63.0	65.4	65.6	66.0	65.9	65.6	65.6	64.2	63.2
	23	63.7	62.4	63.3	62.2	62.1	63.0	63.2	73.7	62.5	64.0	64.2	63.4
	24	57.9	55.8	62.8	—	—	—	—	—	—	—	—	—
	25	—	—	—	64.5	64.7	64.1	64.4	64.7	64.3	65.0	64.4	64.1
	26	63.1	59.6	62.9	62.8	63.7	62.3	65.7	63.9	64.7	64.7	63.6	63.4
	27	64.5	63.9	59.0	61.5	60.5	63.6	65.4	69.1	66.3	65.2	65.4	65.5
	28	62.9	63.6	63.0	63.5	63.4	64.6	66.9	67.0	64.8	64.5	65.4	65.8
	29	63.4	63.5	62.6	63.4	65.0	65.9	66.4	67.4	68.0	68.7	65.1	64.0
	30	63.9	64.0	63.9	64.0	65.0	64.5	65.2	65.4	67.4	64.6	64.9	64.0
	31 ^a	64.5	64.5	64.2	—	—	—	—	—	—	—	—	—
	32 ^a	—	—	—	64.7	65.1	65.7	65.1	66.3	65.1	65.5	64.0	—
Hourly Means	61.35	61.19	61.20	62.15	62.91	63.43	64.00	65.11	64.29	63.95	64.33	63.60	
AUGUST.	2	27.3	31.9	22.0	27.2	26.4	27.3	27.9	26.6	26.8	27.3	28.0	26.1
	3	29.2	21.0	21.1	23.5	23.4	24.1	28.0	27.7	27.9	28.5	30.6	30.0
	4	—	27.8	29.0	31.0	29.3	30.1	29.6	30.4	30.2	30.2	29.5	29.2
	5	28.9	28.6	28.3	28.9	31.5	27.4	25.6	26.1	26.4	35.4	30.7	30.7
	6 ^a	26.8	25.2	8.2	16.0	25.8	27.2	18.8	32.7	35.0	37.6	38.7	36.9
	7	22.2	22.1	25.8	—	—	—	—	—	—	—	—	—
	8	—	—	—	36.4	28.3	29.3	29.2	30.6	30.8	29.7	29.8	29.3
	9	30.0	28.5	29.1	29.2	27.8	29.8	29.3	31.1	29.5	29.5	29.8	29.4
	10	30.0	29.0	29.6	29.6	29.2	29.6	30.0	30.7	30.0	29.3	29.2	28.4
	11	29.7	29.9	30.2	30.1	28.2	27.4	30.3	31.0	30.4	31.3	30.8	31.1
	12	26.6	27.8	27.2	29.0	29.6	32.9	32.1	31.8	32.3	32.2	32.3	30.0
	13	31.3	30.5	29.0	30.6	31.6	31.7	30.6	36.9	30.3	30.8	31.1	29.4
	14	31.7	31.3	31.3	—	—	—	—	—	—	—	—	—
	15	—	—	—	28.9	24.3	24.3	27.6	28.3	—	29.4	30.1	32.8
	16	32.0	28.6	26.7	31.1	29.2	34.4	27.8	29.7	30.2	30.3	30.8	31.1
	17	31.1	31.0	30.8	29.6	28.6	28.3	28.4	28.5	31.0	31.5	31.4	30.5
	18	30.5	30.3	30.3	31.2	29.5	30.2	31.3	33.0	31.7	31.5	30.5	28.8
	19	32.3	31.1	30.9	31.9	32.0	32.0	32.9	32.0	31.9	32.4	32.4	31.1
	20	31.4	31.2	31.2	31.3	31.1	31.4	31.3	31.3	31.9	31.9	31.8	31.1
21	31.6	30.2	29.8	—	—	—	—	—	—	—	—	—	
22	—	—	—	31.9	31.5	32.6	34.1	33.0	32.9	32.9	32.9	32.4	
23	29.4	26.4	29.3	30.9	30.3	30.5	30.2	30.3	41.3	34.1	34.5	40.1	
24	30.4	28.8	34.8	31.5	32.0	Lost.	32.9	33.2	33.9	32.8	32.2	30.7	
25	32.9	32.9	32.2	33.5	33.3	32.9	33.1	34.5	34.0	34.4	35.9	33.8	
26	27.6	29.3	28.7	28.4	28.6	26.6	24.1	32.1	29.5	32.6	33.8	32.4	
27	31.4	30.0	19.2	27.7	28.1	30.6	29.8	31.4	31.9	31.6	30.1	37.2	
28	29.6	29.5	32.2	—	—	—	—	—	—	—	—	—	
29	—	—	—	—	29.0	29.2	31.1	32.4	33.6	32.2	32.6	36.3	
30	30.1	28.4	26.7	30.0	30.5	31.6	33.2	33.8	29.0	33.6	31.9	30.6	
31 ^b	33.5	31.8	29.8	32.4	31.4	34.1	34.5	33.5	32.8	32.4	31.8	—	
Hourly Means	30.03	29.12	28.61	30.24	29.39	29.93	30.20	31.20	31.26	31.51	31.38	31.35	

^a Not included in the means.

^b Not included in the daily means.

DECLINATION.

Zero Scale Division, July 2nd to August 2nd, 64·6; August 2nd to September 1st, 62·5.

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

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
SEPTEMBER.	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	54.5	50.0	47.6	50.6	53.2	55.5	56.1	55.8	57.0	54.6	56.0	61.0
	2	56.5	56.1	54.8	53.8	56.0	56.4	57.4	57.8	55.2	57.5	59.8	58.0
	3	53.2	51.2	53.3	60.0	56.7	56.0	54.2	56.6	58.0	56.3	55.7	54.3
	4	55.1	56.6	57.4	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	57.1	56.5	57.3	57.7	58.5	57.5	56.5	53.6
	6	56.8	56.9	56.9	56.4	56.6	57.0	57.0	56.8	57.3	57.1	56.7	56.6
	7	56.8	56.7	56.6	56.2	56.2	57.7	59.0	56.4	57.2	57.3	57.6	55.6
	8	58.2	57.3	57.2	57.8	57.2	57.7	57.6	57.3	58.2	58.1	57.6	55.3
	9	57.5	57.1	57.4	57.1	57.3	58.2	59.7	59.0	58.0	57.5	56.1	54.0
	10	57.2	57.2	57.0	56.8	57.6	58.2	57.7	57.1	57.1	56.9	55.5	53.1
	11	56.0	55.7	56.3	—	—	—	—	—	—	—	—	—
	12	—	—	—	57.6	56.6	55.7	54.3	55.0	55.2	56.2	56.8	55.1
	13	52.4	56.3	56.7	47.3	56.6	56.8	57.1	57.3	59.0	58.2	55.1	55.6
	14	52.1	52.1	55.3	57.7	58.8	57.5	57.3	58.9	58.6	58.5	57.1	55.4
	15	56.8	56.8	57.0	56.8	57.1	57.5	57.7	57.1	57.0	56.4	54.3	53.5
	16	55.5	55.9	53.8	55.5	56.8	56.2	56.2	56.6	61.7	57.0	53.9	50.3
	17	57.6	56.6	56.9	57.4	58.3	57.2	59.4	61.2	—	57.1	56.7	53.7
	18	56.9	55.5	56.4	—	—	—	—	—	—	—	—	—
	19	—	—	—	56.9	58.4	57.6	56.4	55.8	58.3	61.2	57.2	55.2
	20	55.8	55.7	56.1	57.7	57.5	57.1	58.2	62.9	60.3	61.5	62.7	55.0
	21	55.6	56.5	54.5	56.5	58.4	58.7	57.4	57.4	58.9	57.2	56.5	53.3
	22	57.5	57.0	56.2	56.9	57.8	58.2	58.0	58.4	59.2	56.7	56.0	53.7
	23	55.8	56.7	57.0	56.7	56.3	58.6	57.4	58.4	57.1	54.8	54.7	—
	24	58.6	56.6	54.4	54.0 ^a	53.9	53.3	60.2	64.7	64.2	69.8	65.4	62.5
	25	21.3	38.4	43.9	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	56.4	56.3	55.0	60.2	59.1	57.5	57.0	52.2
	27	54.5	52.8	45.7	54.8	60.0	52.6	55.1	55.1	60.1	58.2	55.5	55.9
	28	63.9	50.0	53.2	54.8	58.5	57.8	59.9	63.4	58.4	55.4	55.5	52.2
	29	57.7	57.4	56.2	59.9	42.3	49.7	57.4	60.6	57.8	56.1	54.1	51.9
30 ^b	58.2	55.5	54.3	57.2	60.1	57.8	58.9	59.6	58.1	59.2	55.8	—	
Hourly Means	56.44	55.45	55.21	56.19	56.71	56.74	57.27	58.10	58.14	57.36	56.42	54.54	
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	55.6	54.7	—	52.1	—	57.0	56.1	55.7	55.7	56.0	53.2	53.4
	2	53.6	55.8	56.6	—	—	—	—	—	—	—	—	—
	3	—	—	—	58.3	58.1	57.6	57.4	57.5	56.9	54.4	51.3	50.1
	4	59.4	58.4	57.1	54.5	57.5	58.0	59.2	61.0	58.3	56.3	53.5	51.5
	5	57.5	55.5	54.4	52.3	57.6	57.5	57.0	57.8	57.9	56.7	54.6	52.6
	6	58.0	51.0	52.4	51.0	52.3	58.3	—	58.5	58.9	57.5	55.3	54.2
	7	55.2	57.2	59.2	58.2	58.3	59.1	59.0	58.0	57.6	55.6	54.8	54.1
	8	57.8	58.3	56.8	57.7	54.6	66.0	48.9	62.2	63.8	58.2	60.6	55.6
	9	56.9	57.6	58.8	—	—	—	—	—	—	—	—	—
	10	—	—	—	55.0	59.2	60.2	60.3	59.6	64.0	59.8	58.0	54.2
	11	59.7	59.7	59.8	60.1	59.1	59.3	59.1	58.5	60.1	58.3	56.1	54.4
	12	56.5	55.5	57.8	61.0	59.5	59.0	61.1	61.1	59.2	—	55.9	53.6
	13	59.3	59.8	59.2	60.1	60.9	60.0	60.2	60.7	60.0	57.3	56.2	54.2
	14	58.5	58.7	59.3	59.8	59.9	59.7	59.9	58.9	59.6	58.5	55.4	54.1
	15	58.4	56.2	56.2	60.7	—	58.9	59.4	61.6	59.2	57.4	55.0	53.0
	16	57.5	59.4	59.9	—	—	—	—	—	—	—	—	—
	17	—	—	—	60.1	59.4	59.2	59.5	58.2	61.5	60.1	57.2	54.6
	18	57.7	55.6	54.9	59.0	59.2	63.9	61.1	59.2	59.3	56.9	56.7	55.3
	19	60.3	60.4	60.1	60.4	60.0	60.0	58.6	58.2	57.7	59.7	57.8	55.8
	20	54.8	56.3	58.0	60.1	59.4	63.4	62.6	58.0	57.9	56.0	55.2	53.3
	21	55.0	57.3	51.6	56.7	59.1	62.1	61.4	66.9	61.2	58.3	56.0	55.4
	22	60.7	60.4	61.0	60.2	61.1	60.1	59.4	60.1	59.0	57.5	56.0	54.4
	23	60.1	60.1	60.0	—	—	—	—	—	—	—	—	—
	24	—	—	—	59.8	58.7	61.9	59.8	59.2	58.4	59.1	57.8	52.8
	25	58.8	53.3	53.0	42.3	51.9	53.5	52.6	52.1	58.2	55.3	59.2	53.1
	26	60.5	56.9	—	53.3	—	56.8	52.1	57.3	62.1	59.6	57.6	56.1
	27	58.7	56.0	56.6	55.8	58.8	60.3	60.0	62.5	60.6	58.7	58.3	54.2
	28	59.7	47.6	48.3	57.8	59.5	58.1	57.8	60.6	60.5	58.4	54.9	52.7
	29	61.0	61.2	61.1	60.8	60.6	60.5	61.0	60.6	58.2	54.6	53.5	50.3
	30 ^c	61.4	61.0	11.1	—	—	—	—	—	—	—	—	—
31 ^c	—	—	—	61.2	59.8	60.8	60.6	60.1	58.3	56.6	54.5	—	
Hourly Means	58.05	56.92	57.05	57.08	58.39	59.62	58.48	59.36	59.44	57.51	56.00	53.72	

^a From 24^d 3^h to 25^d 3^h omitted in the hourly means.

^b Omitted in the daily means.

^c Omitted in the means.

DECLINATION,

Zero Scale Division, September 1st to October 1st, 62.8; October 1st to November 1st, 61.5.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
55.5	54.4	54.8	57.2	60.5	60.7	62.3	63.1	63.8	59.7	56.2	57.2	56.55
52.4	52.3	52.9	56.2	58.6	60.8	58.5	60.1	57.2	58.7	—	56.2	56.66
54.0	53.7	55.2	59.0	62.1	62.4	62.0	60.7	59.4	57.7	53.0	52.5	56.55
—	—	—	—	—	—	—	—	—	—	—	—	57.73
52.1	54.0	55.6	59.0	59.9	63.9	63.1	62.4	60.0	58.6	57.8	57.7	57.96
54.8	55.6	57.3	60.3	61.7	63.2	62.6	60.4	58.7	58.0	58.2	58.2	57.89
55.1	55.0	56.7	58.8	60.1	62.8	63.0	61.4	58.8	58.0	57.8	58.6	58.05
53.8	54.1	55.8	59.0	62.4	64.0	62.4	60.0	58.3	58.0	58.1	57.8	57.78
53.4	53.9	55.9	59.0	61.1	62.0	61.1	59.5	58.6	58.2	57.8	57.3	57.62
53.1	52.7	55.8	58.3	60.8	63.0	63.3	61.7	60.6	59.0	57.0	56.3	58.74
—	—	—	—	—	—	—	—	—	—	—	—	56.67
53.4	53.0	56.4	61.0	65.3	70.8	69.9	67.0	64.6	60.4	62.1	55.4	57.40
54.1	53.9	57.3	59.9	61.9	62.0	63.7	56.7	60.8	57.5	47.2	56.6	57.52
52.7	52.6	55.8	60.0	61.2	62.9	62.5	60.5	59.2	57.3	57.2	56.5	57.57
52.3	52.7	54.9	57.9	61.3	62.4	63.7	63.1	61.1	59.7	58.1	55.4	58.28
49.3	50.9	55.6	58.3	62.3	65.3	65.0	65.4	62.7	60.8	58.7	57.6	57.98
53.4	55.3	57.5	60.4	63.0	65.0	63.7	63.1	61.2	59.2	59.3	57.3	58.32
—	—	—	—	—	—	—	—	—	—	—	—	58.30
52.9	54.0	57.4	59.3	61.2	63.5	63.5	63.0	59.7	58.6	57.9	54.7	57.49
52.8	53.5	55.4	58.4	61.7	63.6	64.3	63.1	60.7	59.4	58.6	57.7	58.04
52.2	53.9	57.3	60.7	63.9	65.3	64.4	62.3	61.5	59.4	58.7	58.6	60.21
52.1	52.2	56.1	59.5	61.9	61.9	63.3	61.4	60.1	58.2	53.9	53.5	55.09
51.9	53.7	56.6	59.9	61.9	63.2	63.5	61.9	61.2	60.1	58.6	59.0	57.55
59.9	60.8	60.7	61.5	65.6	67.5	60.1	67.7	69.7	52.1	53.2	48.7	58.68
—	—	—	—	—	—	—	—	—	—	—	—	57.91
53.3	56.2	58.4	62.5	63.7	65.6	66.8	66.8	63.8	55.7	55.4	41.5	—
53.0	54.8	58.9	62.0	65.0	65.4	66.8	62.0	63.0	58.6	55.6	55.8	—
50.9	54.4	58.1	61.4	63.5	65.7	66.5	66.6	65.9	61.9	56.2	54.2	—
52.5	55.2	58.4	60.7	64.4	66.1	67.2	67.2	60.9	58.5	58.8	58.8	—
—	—	—	—	—	—	—	59.1	58.6	57.0	58.2	53.9	—
52.96	53.83	56.42	59.53	62.06	63.81	63.88	62.34	60.82	58.73	57.10	55.93	57.72
53.4	56.4	60.7	65.8	66.5	65.3	64.7	62.3	—	60.0	59.1	56.7	58.11
—	—	—	—	—	—	—	—	—	—	—	—	58.44
53.1	52.1	55.8	61.9	65.9	67.2	67.1	67.4	63.1	62.1	60.4	58.9	58.67
51.0	52.6	55.7	61.4	65.2	66.6	66.0	64.0	61.4	60.3	60.0	59.3	59.44
52.7	52.9	56.8	63.3	68.7	71.5	69.1	67.9	64.8	63.3	64.8	—	58.64
53.7	55.0	59.0	64.2	66.4	67.9	66.9	65.0	62.7	60.7	61.4	58.4	59.34
53.0	57.1	58.5	61.3	65.4	67.3	66.1	65.3	62.9	61.2	60.3	59.4	59.78
61.6	59.5	58.4	60.2	62.5	64.0	63.8	64.2	62.0	60.5	59.0	58.6	59.79
—	—	—	—	—	—	—	—	—	—	—	—	59.88
54.3	54.1	56.4	60.0	64.1	67.0	67.7	65.4	64.1	59.7	59.2	59.2	57.78
52.2	57.2	59.7	62.5	64.8	66.0	65.4	63.6	61.9	60.8	59.4	59.4	61.15
52.2	54.5	58.4	63.0	66.7	67.1	65.9	63.5	62.3	61.0	60.2	60.0	60.50
53.1	55.0	59.1	65.0	67.6	69.0	69.5	68.3	68.5	62.8	61.7	60.1	60.03
53.4	56.2	60.4	63.7	69.6	69.4	67.9	67.8	65.2	60.0	60.5	55.5	60.37
52.2	54.0	59.8	63.7	67.2	69.0	69.0	63.7	63.7	62.6	60.1	59.6	60.86
—	—	—	—	—	—	—	—	—	—	—	—	60.77
54.8	55.7	60.4	63.3	66.1	67.3	66.0	64.3	61.7	61.0	61.7	60.0	61.94
54.9	59.1	62.1	66.0	68.2	68.4	68.3	65.4	63.2	62.9	61.9	61.4	60.04
55.2	56.4	61.6	66.3	67.6	68.0	67.1	65.5	62.5	62.1	60.7	56.7	60.58
55.2	60.4	62.3	69.9	70.3	71.9	71.9	77.7	66.8	64.6	60.0	60.5	62.95
53.6	56.1	59.5	62.8	66.2	67.0	66.1	63.8	62.2	61.5	61.0	60.2	58.51
54.2	54.8	59.0	63.5	68.5	69.5	68.0	66.8	63.2	56.7	59.4	60.4	59.71
—	—	—	—	—	—	—	—	—	—	—	—	61.46
53.0	53.7	57.9	64.7	69.9	75.0	77.5	75.2	76.2	75.0	65.3	59.8	59.52
53.3	56.6	60.3	64.3	69.1	68.4	70.6	69.4	68.3	65.9	56.2	58.5	60.87
55.9	56.5	60.5	63.1	67.0	67.4	65.7	63.2	64.0	60.4	61.0	56.6	—
52.9	55.3	62.3	68.7	72.7	72.4	70.5	70.4	64.9	63.4	60.5	60.5	—
52.4	55.5	59.8	65.0	68.1	68.6	69.0	67.7	62.6	61.1	61.4	61.3	—
51.2	55.2	61.3	65.3	68.2	71.3	69.3	67.7	64.1	62.5	—	60.5	—
—	—	—	—	—	—	—	—	—	—	—	43.9	—
53.70	55.68	59.43	63.96	67.30	68.50	67.96	66.62	64.26	62.08	60.63	59.23	60.06

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing numbers denote increasing Easterly Declination.													
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 .	
NOVEMBER.	1	65.1	63.7	64.2	64.0	64.1	63.6	63.6	63.5	62.7	60.8	58.7	56.8
	2	64.4	64.2	65.5	65.5	65.0	66.3	64.5	64.4	65.0	62.4	62.1	57.2
	3	65.6	64.2	65.6	64.9	64.6	65.6	67.3	67.5	65.1	63.0	61.3	59.3
	4	64.8	60.0	56.0	61.7	61.8	60.6	63.9	64.7	63.8	63.2	63.0	59.5
	5	56.9	59.9	56.3	60.1	65.0	63.9	61.5	62.3	62.2	63.4	63.6	66.3
	6	72.7	61.7	65.6	—	—	—	—	—	—	—	—	—
	7	—	—	—	62.3	64.0	65.6	64.2	65.5	66.9	69.0	64.2	63.0
	8	—	—	—	64.0	65.1	64.3	64.1	65.7	65.7	65.1	61.5	59.8
	9	63.3	63.6	65.2	65.4	64.1	63.7	68.7	66.0	65.6	63.6	60.8	58.7
	10	64.0	65.2	67.3	65.7	65.9	65.0	67.8	65.8	64.6	62.9	62.2	59.6
	11	66.2	60.6	56.4	57.3	62.2	72.5	66.8	63.6	62.4	62.0	62.9	59.4
	12	62.3	62.1	61.4	65.7	71.0	70.0	68.2	69.4	67.4	64.9	63.6	61.9
	13	67.0	58.8	62.4	—	—	—	—	—	—	—	—	—
	14	—	—	—	64.2	67.5	63.4	63.9	65.7	64.5	62.2	59.0	57.2
	15	66.7	66.8	66.2	66.3	66.5	67.2	68.4	66.4	65.7	63.9	61.1	58.8
	16	—	65.2	64.8	66.3	67.2	67.7	67.8	67.7	66.4	64.0	61.7	59.6
	17	59.3	59.8	67.6	61.3	66.5	67.8	67.0	69.3	64.7	63.4	62.9	59.1
	18	64.1	65.0	62.4	64.3	66.2	67.2	68.2	70.8	83.7	70.9	73.0	68.4
	19	57.4	57.0	70.4	58.3	58.5	67.5	68.1	65.6	64.2	62.4	59.9	61.7
	20	61.9	62.8	64.7	—	—	—	—	—	—	—	—	—
	21	—	—	—	67.4	68.2	69.0	66.2	65.5	63.1	65.0	64.2	60.6
	22	66.8	66.7	67.0	62.5	57.4	61.6	67.7	67.7	62.1	61.4	63.0	60.9
	23	65.3	64.7	65.6	67.0	65.8	63.7	63.4	66.2	63.5	63.3	63.1	59.9
	24	—	64.9	55.0	59.3	63.3	—	65.4	66.0	66.1	62.7	62.7	61.4
	25	62.4	65.4	68.3	68.6	67.1	68.5	68.3	67.9	65.5	63.0	61.2	59.8
	26	68.9	65.9	68.4	66.2	68.7	68.5	68.4	66.6	64.7	62.6	61.9	60.2
	27	68.4	63.1	65.9	—	—	—	—	—	—	—	—	—
	28	—	—	—	68.8	68.0	64.1	66.3	66.7	64.6	63.4	62.2	58.9
	29 ^a	68.0	68.0	68.1	68.2	67.7	67.5	67.6	67.1	67.2	66.7	66.7	60.1
	30	64.7	63.4	63.1	63.3	63.6	64.8	63.3	62.3	61.8	60.2	57.3	55.0
Hourly Means	64.62	63.31	64.14	64.18	65.19	65.98	66.18	66.15	65.35	63.67	62.45	60.11	
DECEMBER.	1 ^a	43.7	43.6	43.2	44.6	45.5	43.2	40.6	42.9	—	—	—	—
	2	43.3	45.1	43.7	43.2	47.0	41.6	42.5	42.5	44.8	40.1	37.3	34.8
	3	42.4	43.2	35.5	23.2	28.0	28.9	40.4	40.1	40.1	36.2	33.8	34.2
	4	40.7	38.4	41.1	—	—	—	—	—	—	—	—	—
	5	—	—	—	42.6	41.5	42.4	42.8	43.4	39.3	37.0	36.6	35.3
	6	45.5	44.4	46.2	41.6	43.4	43.2	43.2	42.0	41.9	39.3	41.3	40.4
	7	45.1	45.0	44.7	43.6	45.9	41.2	42.4	42.1	40.1	37.5	35.7	33.2
	8	37.4	35.7	30.6	27.7	35.2	22.5	23.0	31.7	33.4	36.1	38.3	34.4
	9	45.4	43.9	44.0	49.2	45.0	47.2	49.3	41.5	41.4	39.5	36.0	33.0
	10	45.1	41.1	40.6	35.6	43.1	44.8	44.9	43.7	42.9	41.6	39.2	35.3
	11	44.9	45.0	44.6	—	—	—	—	—	—	—	—	—
	12	—	—	—	44.8	45.5	46.1	46.2	46.0	43.5	41.8	39.5	38.2
	13	44.7	43.4	44.2	44.8	45.3	46.1	47.6	44.9	42.0	39.6	38.6	40.0
	14	46.1	45.9	41.4	39.7	45.1	46.1	47.6	46.6	52.0	53.8	41.5	37.4
	15	45.9	45.4	45.4	45.0	45.0	44.9	44.9	44.9	44.0	42.4	40.0	39.2
	16	44.5	45.6	46.7	45.5	40.4	40.6	—	42.6	43.9	44.8	40.9	39.4
	17	46.4	43.7	33.7	37.3	39.8	41.1	43.2	43.2	41.6	42.0	39.6	38.7
	18	46.9	46.4	44.3	—	—	—	—	—	—	—	—	—
	19	—	—	—	35.5	35.4	35.5	36.7	36.5	—	37.2	39.1	42.8
	20	45.2	43.7	45.9	45.8	45.5	45.7	45.2	44.6	44.1	43.2	39.7	41.3
	21	47.8	47.0	46.7	47.3	48.5	47.7	46.1	46.6	44.8	46.0	43.0	41.6
	22	48.1	47.4	46.2	45.6	45.2	44.8	44.8	44.8	48.4	45.5	40.7	39.1
	23	45.0	45.9	44.0	45.1	44.5	44.6	44.7	44.8	45.0	42.2	40.2	41.1
	24	47.6	35.0	42.1	39.7	44.3	43.6	42.1	39.2	40.9	41.8	38.8	38.8
	25	47.2	46.4	46.9	—	—	—	—	—	—	—	—	—
	26	—	—	—	49.6	46.1	45.1	47.4	46.5	45.0	44.6	43.2	41.4
	27	47.5	46.1	45.7	47.4	46.6	45.8	46.6	46.9	45.4	43.5	41.2	39.5
	28	48.3	48.0	48.3	47.4	46.4	46.8	50.4	45.3	43.4	42.0	41.3	37.9
	29	39.8	38.9	37.4	37.8	38.5	38.8	38.6	37.8	35.8	35.0	33.1	30.5
	30 ^a	41.2	40.3	26.7	24.6	28.5	29.5	28.0	28.0	28.4	31.1	28.4	26.2
	31 ^a	—	61.1	60.0	58.3	59.5	58.6	62.3	64.0	50.4	57.6	55.8	55.7 ^b
Hourly Means	44.83	44.28	42.96	41.95	43.14	42.46	43.52	43.08	42.50	41.59	39.34	38.05	

^a Omitted in the daily means.

^b Magnet removed for observations of intensity.

DECLINATION.

Zero Scale Division, November 1st to 30th, 60·5 ; December 1st to 31st, 63·1.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
58·2	62·5	66·3	71·5	74·3	75·4	74·6	71·6	69·6	67·0	66·5	65·5	65·58	
57·0	58·1	62·4	66·9	71·4	72·8	72·7	71·5	70·2	68·4	66·0	65·0	65·37	
58·0	60·1	64·5	72·1	77·8	77·5	76·4	82·4	83·0	76·3	72·4	63·3	68·24	
58·1	64·4	63·6	68·1	72·4	76·1	78·5	77·8	76·2	72·0	66·3	61·5	65·75	
62·0	61·6	64·9	68·8	74·7	78·2	76·8	70·4	72·5	70·9	67·7	67·9	65·74	
—	—	—	—	—	—	—	—	—	—	—	—	—	
60·9	60·4	65·3	68·8	71·0	73·9	74·7	74·4	71·0	67·0	68·0	61·4	66·73	
58·9	60·1	63·5	67·0	69·8	74·3	75·9	74·4	73·4	71·1	70·7	62·1	66·48	
58·4	59·9	62·5	66·5	70·2	72·7	75·3	73·1	70·6	69·1	68·2	67·6	65·95	
60·4	65·3	67·2	71·2	73·8	75·5	75·3	73·0	71·8	70·5	68·5	67·8	67·35	
60·7	62·3	65·2	69·0	71·1	71·4	71·3	69·2	68·5	68·1	64·8	60·9	64·78	
60·2	62·4	64·5	69·5	72·3	73·3	73·0	70·8	71·2	69·0	68·2	67·7	67·07	
—	—	—	—	—	—	—	—	—	—	—	—	—	
57·0	58·1	63·3	68·7	73·8	76·5	76·0	74·5	71·5	69·0	67·8	67·3	65·80	
57·6	59·7	64·9	71·8	77·1	77·9	77·0	73·8	70·0	67·9	67·4	67·1	67·34	
58·5	61·7	64·9	73·4	78·4	80·6	80·2	76·5	72·6	69·6	69·2	68·9	68·39	
58·9	61·2	62·9	71·0	75·3	76·3	75·3	72·6	69·4	67·7	67·8	68·9	66·50	
66·3	64·4	67·5	74·7	81·0	77·2	82·3	78·7	75·2	80·6	72·9	68·2	71·38	
61·1	65·9	73·4	77·7	82·5	83·7	81·9	76·6	74·6	71·0	69·4	68·0	68·20	
—	—	—	—	—	—	—	—	—	—	—	—	—	
59·4	61·2	65·0	69·9	72·5	73·1	72·8	72·2	72·0	70·8	70·4	66·5	66·85	
61·2	66·8	66·4	70·7	74·0	74·1	75·1	74·9	74·4	72·0	69·9	67·9	67·18	
61·2	63·3	65·6	69·6	72·0	74·3	75·4	73·7	72·4	71·2	64·7	65·5	66·68	
61·7	64·9	69·2	72·6	75·0	75·7	75·5	72·1	72·2	71·0	69·4	65·1	66·87	
61·4	64·9	70·5	75·6	78·9	78·1	75·6	73·9	70·6	69·2	69·0	69·1	68·45	
61·1	63·8	68·1	73·0	78·5	78·0	75·0	72·5	69·9	67·9	68·0	68·2	68·13	
—	—	—	—	—	—	—	—	—	—	—	—	—	
59·5	62·4	67·4	73·3	77·9	78·1	77·4	76·0	71·8	69·0	68·6	68·5	67·93	
—	—	—	—	—	—	—	—	—	63·6	64·3	63·8	—	
54·2	57·2	62·9	67·6	—	73·4	73·7	70·9	68·0	65·2	63·4	64·6	63·65	
—	—	—	—	—	—	—	—	—	—	—	—	—	
59·68	62·10	65·67	70·76	74·82	75·92	75·91	73·90	72·10	69·81	68·06	66·09	66·89	
—	—	—	—	—	—	—	—	—	—	—	—	—	
35·1	39·4	44·8	49·5	51·6	53·7	53·2	51·9	49·0	46·6	45·1	43·4	—	
32·1	34·8	43·0	48·5	55·0	58·8	58·8	54·5	52·3	51·3	48·0	39·2	45·09	
34·2	37·3	43·4	50·1	53·6	54·2	53·7	52·6	47·3	46·6	46·2	44·1	41·22	
—	—	—	—	—	—	—	—	—	—	—	—	—	
35·7	38·2	43·0	46·5	49·0	51·7	51·4	50·0	48·6	48·1	43·9	45·5	43·03	
40·1	43·5	45·8	51·2	56·5	57·7	54·9	52·7	50·2	47·6	46·3	46·0	46·04	
33·2	38·8	41·3	45·8	50·4	54·0	54·5	52·7	51·0	48·9	44·9	43·5	43·98	
33·9	38·0	42·6	49·0	52·4	55·4	54·7	52·3	46·7	46·0	45·0	44·8	39·45	
35·3	39·7	44·8	47·6	51·2	53·4	53·5	49·0	48·6	46·0	43·7	44·8	44·71	
38·1	43·0	46·2	52·2	54·2	55·2	53·6	50·0	47·4	46·2	44·8	44·8	44·73	
—	—	—	—	—	—	—	—	—	—	—	—	—	
37·3	41·3	45·4	50·3	53·6	54·3	53·6	51·6	48·1	46·3	46·2	45·7	45·82	
38·1	40·9	45·4	48·4	52·5	55·4	56·3	53·3	51·2	49·5	48·0	46·6	46·12	
39·5	37·8	41·6	48·3	53·3	52·2	49·8	48·7	48·4	48·0	46·5	46·5	45·99	
38·9	40·3	44·1	47·7	50·3	51·0	53·1	50·3	49·4	46·5	46·3	46·1	45·46	
39·3	43·2	42·1	44·5	48·9	52·8	52·4	52·2	50·5	49·2	48·3	48·4	45·51	
41·0	41·2	45·3	48·6	54·3	56·0	56·1	55·3	52·5	51·2	49·7	48·6	45·42	
—	—	—	—	—	—	—	—	—	—	—	—	—	
41·3	42·8	43·6	46·0	49·4	54·1	55·1	53·5	53·7	50·7	49·0	48·5	44·52	
39·5	40·3	44·2	45·5	47·7	50·1	50·9	51·7	50·7	48·9	48·2	48·0	45·65	
40·8	41·3	44·0	47·0	49·5	51·9	52·5	51·3	50·2	49·7	49·2	48·5	47·04	
39·9	37·3	44·4	49·9	52·0	54·0	53·7	53·9	51·3	49·8	47·0	46·1	46·66	
39·0	40·5	47·7	51·4	52·9	55·0	53·6	51·3	51·3	50·4	51·0	49·5	46·70	
41·0	42·2	46·3	49·7	52·9	53·7	52·9	51·8	50·1	48·5	42·9	46·0	44·66	
—	—	—	—	—	—	—	—	—	—	—	—	—	
42·8	45·2	48·2	51·4	52·5	53·7	53·8	53·4	50·8	48·7	47·5	47·4	47·70	
40·0	42·2	45·8	50·3	52·8	54·1	53·9	52·7	51·7	49·5	46·7	46·3	47·01	
37·3	39·9	44·8	46·7	51·7	52·5	—	—	43·2	41·5	39·7	39·5	45·10	
28·7	32·1	38·3	43·5	46·4	47·5	47·8	50·2	47·9	44·3	41·8	41·3	39·66	
30·4 ^b	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	43·4	48·6	51·0	51·7	51·4	50·0	49·1	49·7	39·2	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
37·40	40·05	44·24	48·19	51·66	53·59	53·42	51·93	49·70	48·04	46·37	45·32	44·73	

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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	4.9	6.9	6.2	6.2	8.1	7.9	7.8	8.2	8.9	9.3	9.1	11.8
	2	9.8	8.2	8.9	—	—	—	—	—	—	—	—	—
	3	—	—	—	11.5	11.6	12.6	10.5	10.1	10.6	10.9	9.6	11.4
	4	9.9	9.8	10.1	11.0	10.6	10.6	9.7	10.1	10.2	10.3	9.7	9.6
	5	10.5	10.4	10.1	10.9	10.6	11.1	11.4	12.2	12.3	11.7	12.0	11.3
	6	9.1	9.8	10.5	10.8	11.5	12.1	12.2	12.8	13.5	13.1	11.8	9.8
	7	2.9	4.8	3.9	4.2	4.6	4.2	5.3	5.4	5.4	5.6	5.3	3.8
	8	10.2	10.3	11.1	12.0	12.2	12.3	12.5	13.1	13.1	12.0	11.0	11.1
	9	13.1	11.2	11.7	—	—	—	—	—	—	—	—	—
	10	—	—	—	13.8	14.2	12.8	13.7	14.4	14.8	14.3	13.1	12.3
	11	12.9	14.0	13.6	13.7	14.3	14.9	15.8	16.0	17.3	17.7	17.3	15.9
	12	12.5	13.3	13.5	14.0	14.1	14.7	15.2	16.0	16.5	16.9	17.5	17.6
	13	11.0	12.8	5.9	8.7	10.0	11.5	12.9	13.3	13.0	14.1	14.5	14.5
	14	9.8	8.7	8.5	10.8	9.7	7.7	8.5	12.0	11.1	13.3	11.8	10.1
	15	11.0	10.3	11.4	18.4	11.4	11.2	13.3	12.5	13.0	12.0	10.3	10.9
	16	8.1	12.8	11.7	—	—	—	—	—	—	—	—	—
	17	—	—	—	14.3	14.8	14.7	13.9	14.3	14.6	14.2	12.9	12.1
	18	9.7	10.1	11.1	10.6	11.4	12.5	13.0	14.0	14.5	15.1	14.4	13.8
	19	12.4	10.8	9.8	11.2	11.0	13.6	—	12.5	14.4	14.5	10.8	8.2
	20	14.6	15.1	15.8	16.4	15.3	15.2	17.2	17.0	14.8	14.3	13.5	12.6
	21	13.9	14.4	13.9	14.3	15.1	15.7	17.3	18.1	18.3	18.9	17.3	14.0
	22	13.0	14.0	17.3	14.8	14.0	15.0	15.5	16.1	16.7	16.3	16.0	15.2
	23	17.4	17.8	17.4	—	—	—	—	—	—	—	—	—
	24	—	—	—	16.6	17.2	17.3	17.6	18.0	18.9	20.2	18.4	17.0
	25	11.4	12.6	15.6	14.4	12.8	13.5	14.6	15.0	15.8	14.5	14.5	12.9
	26	15.6	21.1	18.5	18.2	18.1	18.8	17.6	17.8	19.3	20.5	15.2	18.5
	27	13.7	18.0	19.3	16.2	15.8	17.1	17.6	18.5	18.0	19.0	15.9	15.7
	28	13.5	14.2	14.2	15.5	13.9	15.5	15.4	15.2	15.0	15.8	14.6	13.0
	29	14.1	14.3	15.1	16.3	16.1	16.1	16.9	17.8	19.7	19.2	19.2	19.1
	30 ^a	17.3	17.8	17.8	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	19.2	19.0	16.0	15.7	16.6	17.0	17.4	17.7	18.6
Hourly Means ^b	11.40	12.23	12.20	12.99	12.74	13.14	13.56	14.02	14.39	14.55	13.43	12.89	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	71.5	..	69.0	..	67.0	..	65.0	..	63.0	..	62.5	..
	2	66.0	..	65.5	..	—	..	—	..	—	..	—	..
	3	—	..	—	..	64.0	..	62.0	..	60.5	..	60.0	..
	4	71.0	..	69.2	..	68.5	..	66.0	..	66.0	..	65.0	..
	5	70.5	..	70.0	..	67.5	..	65.2	..	63.0	..	63.0	..
	6	73.2	..	70.0	..	68.5	..	66.0	..	64.5	..	64.5	..
	7	82.5	..	80.5	..	79.5	..	77.5	..	74.0	..	72.0	..
	8	71.0	..	69.5	..	69.0	..	67.2	..	66.0	..	65.0	..
	9	73.2	..	71.0	..	—	..	—	..	—	..	—	..
	10	—	..	—	..	67.2	..	65.0	..	63.8	..	63.0	..
	11	68.5	..	65.8	..	64.0	..	61.5	..	60.5	..	61.0	..
	12	71.0	..	68.5	..	67.2	..	65.0	..	63.5	..	62.5	..
	13	73.0	..	70.5	..	68.5	..	66.2	..	64.0	..	63.0	..
	14	74.0	..	73.0	..	70.8	..	69.5	..	66.5	..	66.5	..
	15	70.5	..	69.0	..	68.0	..	66.8	..	66.0	..	65.2	..
	16	72.5	..	70.2	..	—	..	—	..	—	..	—	..
	17	—	..	—	..	68.0	..	67.8	..	66.5	..	67.2	..
	18	77.5	..	75.0	..	73.0	..	70.0	..	68.0	..	67.2	..
	19	76.0	..	74.0	..	73.0	..	—	..	67.8	..	66.5	..
	20	67.0	..	66.0	..	64.0	..	62.5	..	61.0	..	62.0	..
	21	71.4	..	71.0	..	69.8	..	68.0	..	66.2	..	66.0	..
	22	70.5	..	68.8	..	67.0	..	65.0	..	63.0	..	63.0	..
	23	64.0	..	62.0	..	—	..	—	..	—	..	—	..
	24	—	..	—	..	64.5	..	63.5	..	62.0	..	61.0	..
	25	76.2	..	74.5	..	73.5	..	71.2	..	71.0	..	69.0	..
	26	64.5	..	63.0	..	63.0	..	60.0	..	59.5	..	59.0	..
	27	69.2	..	67.0	..	66.0	..	63.0	..	62.0	..	60.5	..
	28	72.2	..	70.5	..	68.8	..	67.0	..	66.0	..	64.0	..
	29	70.0	..	68.0	..	67.0	..	64.8	..	63.0	..	63.0	..
	30 ^a	66.5	..	65.2	..	—	..	—	..	—	..	—	..
	31 ^a	—	..	—	..	65.0	..	65.0	..	62.0	..	61.0	..
Hourly Means ^c	71.48	..	69.66	..	68.29	..	66.07	..	64.69	..	64.06	..	

^a Omitted in the means.

^b Omitted in the means; temperature not recorded.

^c Magnet removed.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 11.0	Sc. Div. 8.8	Sc. Div. 6.6	Sc. Div. 5.5	Sc. Div. 7.7	Sc. Div. 6.6	Sc. Div. 6.0	Sc. Div. 6.7	Sc. Div. 7.8	Sc. Div. 9.3	Sc. Div. 8.3	Sc. Div. 10.0	Sc. Div. 7.90
—	—	—	—	—	—	—	—	—	—	—	—	—
12.1	11.6	9.3	5.9	6.6	7.2	6.5	9.5	6.9	5.5	7.7	9.0	9.31
7.7	6.8	6.0	5.3	7.2	8.2	8.5	9.1	9.0	7.8	8.7	9.8	8.99
8.6	7.6	8.0	7.6	8.4	8.5	7.2	6.6	6.9	7.5	7.6	9.0	9.50
6.8	7.0	5.9	8.0	9.6	8.8	7.0	3.5	0.6	2.2	4.2	3.6	8.51
2.9	1.1	0.5	2.4	4.2	7.1	9.0	10.2	11.7	9.7	8.7	10.1	5.54
9.8	7.3	4.7	4.8	7.6	10.3	11.0	7.7	8.4	7.9	9.6	10.6	10.02
—	—	—	—	—	—	—	—	—	—	—	—	—
10.3	8.5	7.2	8.2	10.7	13.1	14.0	13.4	11.8	10.4	10.6	11.6	12.05
14.5	12.9	10.7	11.0	12.2	14.4	15.1	14.2	11.3	9.9	10.4	11.8	13.82
16.3	14.9	12.8 ^b	10.5	12.0	19.3	16.3	21.5	11.2	14.2	8.1	9.8	14.60
12.8	11.3	8.8	8.1	9.3	10.0	10.8	9.9	9.5	9.8	8.9	7.3	10.78
9.3	7.5	6.7	6.3	9.5	13.0	11.2	13.3	11.6	11.6	10.1	12.9	10.21
10.8	10.2	9.0	9.3	8.9	8.8	9.5	10.3	7.4	10.0	10.1	11.7	10.90
—	—	—	—	—	—	—	—	—	—	—	—	—
11.8	11.8	10.8	10.4	10.5	10.2	9.9	9.3	8.8	7.6	8.4	9.5	11.56
12.0	10.9	9.7	9.0	8.7	10.0	11.9	10.6	15.1	10.0	9.8	13.0	11.70
8.3	10.1	8.5	9.1	11.3	12.6	12.4	12.6	10.9	10.6	10.8	12.8	11.27
11.1	9.1	6.9	6.5	7.1	9.5	10.0	11.4	11.0	11.2	11.5	13.0	12.50
13.4	9.7	7.8	10.3	10.6	12.3	13.4	13.0	12.9	11.2	11.1	12.7	13.73
14.8	14.0	12.3	13.2	14.8	16.3	17.4	17.7	17.5	61.5	16.6	17.6	15.52
—	—	—	—	—	—	—	—	—	—	—	—	—
18.9	18.2	15.7	14.5	13.7	14.0	14.4	12.5	12.5	12.4	14.1	16.6	16.30
10.8	10.7	12.2	16.3	17.3	13.4	16.7	15.7	16.3	16.1	19.4	15.7	14.51
16.7	15.8	13.7	13.9	12.5	12.6	14.1	18.2	13.0	17.2	15.0	13.9	16.49
13.5	13.6	10.6	8.7	9.8	11.1	16.8	10.5	13.6	12.5	12.1	11.3	14.54
13.0	13.1	12.4	11.1	10.8	10.8	12.4	13.3	14.3	13.5	13.1	14.2	13.66
17.4	16.4	16.9	16.0	15.7	16.2	15.7	15.5	15.5	16.0	17.6	16.7	16.65
—	—	—	—	—	—	—	—	—	—	—	—	—
17.5	17.2	16.2	— ^c	—	—	—	66.9	68.5	67.0	68.5	68.4	—
11.78	10.76	9.20	9.28	10.27	11.37	11.89	11.85	11.02	10.82	10.90	11.77	12.02

TEMPERATURE OF THE BIFILAR MAGNET.

65.0	..	70.5	..	72.5	..	74.0	..	72.0	..	69.0	..	68.42
—	..	—	..	—	..	—	..	—	..	—	..	—
62.5	..	69.5	..	70.0	..	76.0	..	76.0	..	73.5	..	67.12
66.5	..	69.0	..	72.2	..	74.5	..	75.0	..	73.0	..	69.66
66.0	..	70.2	..	74.0	..	77.5	..	78.5	..	76.5	..	70.16
68.0	..	74.0	..	78.0	..	85.0	..	88.2	..	86.0	..	73.82
73.5	..	76.8	..	78.0	..	76.5	..	75.5	..	74.0	..	76.69
67.0	..	73.0	..	76.0	..	80.5	..	79.0	..	76.5	..	71.64
—	..	—	..	—	..	—	..	—	..	—	..	—
64.0	..	66.0	..	70.0	..	73.2	..	75.0	..	72.5	..	68.66
62.0	..	65.0	..	69.5	..	73.0	..	75.0	..	74.0	..	66.65
65.0	..	— ^b	..	75.0	..	75.8	..	76.8	..	75.5	..	69.62
67.0	..	73.2	..	77.8	..	79.0	..	79.0	..	77.0	..	71.52
66.0	..	67.5	..	70.0	..	72.5	..	74.0	..	73.0	..	70.27
67.0	..	68.0	..	73.0	..	75.8	..	77.2	..	75.0	..	70.12
—	..	—	..	—	..	—	..	—	..	—	..	—
69.0	..	72.0	..	76.8	..	81.5	..	83.0	..	81.0	..	72.96
68.0	..	74.0	..	79.0	..	81.8	..	81.0	..	78.0	..	74.37
69.0	..	70.5	..	70.5	..	72.4	..	72.5	..	70.5	..	71.15
65.0	..	69.3	..	73.5	..	76.0	..	75.0	..	73.5	..	67.90
67.0	..	69.5	..	73.0	..	74.0	..	74.2	..	73.5	..	70.30
61.0	..	62.0	..	63.5	..	66.0	..	67.2	..	66.5	..	65.29
—	..	—	..	—	..	—	..	—	..	—	..	—
62.5	..	67.0	..	71.0	..	77.2	..	79.5	..	78.2	..	67.70
68.5	..	68.0	..	67.5	..	68.5	..	68.8	..	67.5	..	70.35
61.2	..	65.5	..	69.8	..	72.0	..	72.5	..	72.5	..	65.21
63.0	..	70.0	..	75.0	..	76.0	..	76.5	..	75.0	..	68.60
65.5	..	68.5	..	71.8	..	74.6	..	76.2	..	73.5	..	69.88
63.0	..	64.5	..	68.0	..	70.0	..	71.0	..	69.0	..	66.77
—	..	—	..	—	..	—	..	—	..	—	..	—
61.0	..	66.6	..	— ^c	..	—	..	76.2	..	75.0	..	—
65.69	..	69.31	..	72.62	..	75.33	..	75.94	..	74.17	..	69.79

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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	63.8	67.7	68.9 ^b	68.6	68.8	69.6	69.8	70.9	70.3	70.8	70.5	70.1
	2	68.6	68.7	70.2	71.1	71.6	69.5	70.1	70.0	70.3	70.8	70.3	69.5
	3	73.2	72.9	73.0	73.4	74.9	73.3	74.0	73.5	73.4	73.5	72.9	71.7
	4	72.6	72.8	72.7	72.3	72.0	72.7	73.8	72.7	72.7	71.9	71.1	70.5
	5	71.4	70.4	70.5	69.7	69.6	70.8	71.0	71.4	71.3	71.3	70.5	68.8
	6	71.9	71.9	71.8	—	—	—	—	—	—	—	—	—
	7	—	—	—	60.4	61.0	56.5	63.9	64.9	66.6	67.8	67.8	63.5
	8	63.7	70.5	65.5	63.3	66.6	68.3	66.3	66.4	67.2	67.7	67.4	65.3
	9	67.7	64.9	65.8	60.9	63.5	63.9	65.4	65.2	65.4	64.5	63.7	64.4
	10	65.7	66.2	66.5	66.3	66.0	66.7	66.9	67.0	67.5	68.4	67.9	67.1
	11	67.6	67.4	66.0	65.5	66.7	69.9	67.6	68.3	68.2	69.4	67.8	67.0
	12	67.1	67.3	68.0	68.3	67.8	69.7	67.9	67.7	66.4	66.0	66.1	65.1
	13	66.8	67.7	68.7	—	—	—	—	—	—	—	—	—
	14	—	—	—	68.7	70.4	71.4	71.6	72.7	71.9	71.0	70.7	72.0
	15	71.0	69.7	74.2	68.0	66.3	64.5	66.7	69.2	70.7	69.9	64.9	63.0
	16	67.0	67.2	69.2	69.5	69.6	70.1	68.8	71.1	67.5	68.6	69.0	69.6
	17	67.4	67.2	70.3	68.5	67.8	67.9	68.3	68.2	68.2	68.2	68.5	67.3
	18	72.5	72.3	74.0	75.1	72.8	72.5	73.3	73.6	73.3	72.6	74.0	72.8
	19	73.6	73.9	74.1	74.6	75.0	75.5	75.8	75.9	75.7	76.6	75.7	75.6
	20	73.0	72.4	72.4	—	—	—	—	—	—	—	—	—
	21	—	—	—	71.8	71.7	72.3	72.0	72.6	73.5	73.4	72.5	72.5
	22	71.2	72.8	72.9	72.5	73.0	73.3	74.1	74.4	74.6	74.8	74.7	70.0
	23	73.3	73.5	71.3	72.3	69.5	68.9	—	74.5	73.8	75.5	69.1	67.8
	24	69.3	71.3	72.1	70.0	70.0	72.1	73.0	73.3	73.7	72.4	71.2	69.3
	25	68.1	68.7	69.0	68.6	70.3	71.6	71.1	70.6	71.0	70.3	71.5	70.9
	26	72.7	69.2	65.2	67.3	69.1	70.5	70.4	74.9	69.6	72.4	72.6	71.7
	27 ^a	77.8	75.2	75.2	—	—	—	—	—	—	—	—	—
	28 ^a	—	—	—	77.2	76.6	78.1	78.2	78.0	78.6	78.8	75.8	76.6
Hourly Means	69.53	69.85	70.15	68.99	69.30	69.63	70.08	70.83	70.56	70.77	70.02	68.93	

TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	72.0	..	— ^b	..	69.0	..	66.5	..	65.0	..	64.5	..
	2	70.5	..	70.0	..	69.5	..	68.2	..	67.0	..	65.2	..
	3	66.0	..	65.0	..	65.0	..	64.0	..	63.0	..	62.0	..
	4	67.2	..	66.0	..	65.0	..	64.5	..	63.2	..	63.0	..
	5	69.5	..	68.0	..	67.2	..	66.0	..	65.4	..	64.8	..
	6	67.5	..	66.0	..	—	..	—	..	—	..	—	..
	7	—	..	—	..	64.0	..	63.5	..	62.0	..	63.0	..
	8	73.0	..	70.5	..	69.0	..	67.0	..	66.5	..	66.0	..
	9	70.0	..	69.4	..	68.5	..	66.0	..	65.0	..	63.0	..
	10	74.0	..	72.0	..	72.0	..	70.5	..	69.0	..	69.0	..
	11	74.5	..	72.8	..	71.5	..	69.5	..	68.0	..	67.2	..
	12	72.0	..	71.0	..	70.2	..	68.0	..	68.0	..	66.8	..
	13	75.5	..	73.0	..	—	..	—	..	—	..	—	..
	14	—	..	—	..	66.2	..	65.0	..	63.0	..	62.2	..
	15	69.0	..	68.0	..	68.2	..	67.5	..	66.0	..	65.5	..
	16	73.0	..	71.0	..	68.0	..	67.0	..	65.2	..	64.5	..
	17	74.0	..	73.0	..	73.0	..	71.0	..	70.2	..	69.0	..
	18	66.2	..	65.0	..	65.0	..	63.5	..	61.0	..	61.0	..
	19	64.8	..	63.0	..	61.0	..	60.0	..	58.8	..	57.5	..
	20	65.0	..	63.5	..	—	..	—	..	—	..	—	..
	21	—	..	—	..	67.0	..	65.5	..	64.0	..	63.0	..
	22	70.4	..	69.0	..	67.5	..	65.2	..	64.2	..	63.2	..
	23	63.0	..	62.2	..	62.5	..	—	..	60.5	..	59.8	..
	24	68.8	..	67.0	..	66.2	..	65.0	..	63.5	..	62.0	..
	25	71.0	..	69.5	..	69.0	..	66.2	..	65.8	..	65.5	..
	26	68.2	..	67.5	..	65.5	..	63.8	..	64.0	..	60.2	..
	27 ^a	59.7	..	59.7	..	—	..	—	..	—	..	—	..
	28 ^a	—	..	—	..	58.5	..	57.0	..	56.0	..	56.2	..
Hourly Means ^a	69.79	..	68.29	..	67.39	..	66.06	..	64.71	..	63.82	..	

^a Omitted in the means.

^b Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
68.8	67.5	67.8	67.4	68.3	68.5	69.0	68.5	69.1	69.1	68.4	68.2	68.76
68.0	66.5	68.9	69.9	70.7	71.1	70.6	71.4	71.8	72.0	72.2	72.0	70.24
70.4	70.2	69.3	70.1	71.7	74.3	73.2	71.9	71.8	71.8	71.7	72.2	72.43
68.8	66.9	66.5	68.3	69.2	69.6	70.3	69.6	66.7	68.6	69.9	69.1	70.47
67.9	66.7	66.1	66.6	68.8	70.6	71.1	70.9	71.6	71.2	71.1	71.4	70.03
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	59.4	59.3	59.9	60.1	62.1	63.2	62.3	61.8	61.0	61.2	62.8	63.39
62.9	61.8	62.2	62.5	62.8	64.8	66.4	68.3	72.6	65.5	73.2	70.7	66.33
64.3	64.0	62.2	61.4	61.2	62.3	64.0	64.7	64.9	64.6	64.6	65.9	64.14
66.8	65.4	64.3	63.6	65.2	66.2	66.1	66.5	66.5	65.3	66.4	66.9	66.31
65.1	62.6	64.4	66.5	65.4	65.5	66.8	66.3	65.7	67.0	68.0	67.8	66.77
64.9	65.1	64.4	62.2	62.9	64.6	65.8	66.7	65.2	63.8	64.6	66.9	66.02
—	—	—	—	—	—	—	—	—	—	—	—	—
72.1	71.2	69.9	68.6	68.7	69.3	70.9	71.5	69.5	69.5	72.8	74.1	70.49
64.5	65.5	65.6	66.0	66.9	69.1	65.4	66.8	67.0	66.4	65.0	65.9	67.17
69.0	66.3	66.5	65.4	66.0	62.6	63.5	65.7	66.1	66.0	66.4	66.9	67.40
66.4	66.0	67.1	68.3	70.7	70.6	71.2	70.5	70.5	69.9	69.6	71.7	68.76
71.6	71.1	71.2	71.6	71.9	72.6	73.0	72.8	72.0	72.3	72.3	72.9	72.67
75.0	73.9	74.1	74.3	73.3	72.8	70.5	71.0	70.0	71.8	72.2	73.3	73.92
—	—	—	—	—	—	—	—	—	—	—	—	—
71.3	69.3	68.1	68.0	68.2	67.3	67.8	68.4	68.1	68.4	69.7	71.0	70.65
61.9	65.2	67.2	72.5	72.5	73.7	72.6	70.8	70.2	70.8	70.2	73.2	71.63
69.4	68.8	66.7	67.1	68.0	66.7	71.6	70.8	68.9	68.9	68.8	70.2	70.23
68.3	68.8	67.0	75.2	74.7	75.1	67.7	67.3	65.4	65.6	65.9	67.4	70.25
67.8	65.5	63.5	64.5	66.3	67.0	69.8	68.0	68.3	69.4	69.9	69.1	68.78
69.7	63.9	67.1	68.2	67.7	74.2	73.3	74.5	75.6	73.8	75.1	74.8	70.98
—	—	—	—	—	—	—	—	—	—	—	—	—
75.2	74.7	74.2	—	—	84.6	—	82.5	81.0	78.6	80.9	81.3	—
67.61	66.59	66.50	67.31	67.88	68.72	68.86	68.92	68.66	68.38	69.10	69.76	69.04

TEMPERATURE OF THE BIFILAR MAGNET.

66.4	..	67.5	..	70.0	..	70.5	..	70.0	..	71.0	..	68.40
66.5	..	69.0	..	70.0	..	70.0	..	68.0	..	67.2	..	68.42
63.0	..	64.0	..	65.8	..	67.2	..	68.0	..	67.8	..	65.07
65.6	..	69.5	..	71.0	..	72.5	..	73.0	..	71.5	..	67.67
65.0	..	68.0	..	69.0	..	71.0	..	71.0	..	70.0	..	67.81
—	..	—	..	—	..	—	..	—	..	—	..	—
64.5	..	69.0	..	72.0	..	75.0	..	77.0	..	76.5	..	68.33
67.0	..	71.6	..	75.0	..	75.0	..	73.5	..	72.0	..	70.51
67.5	..	72.0	..	76.8	..	79.5	..	79.0	..	77.2	..	71.16
69.2	..	72.5	..	76.0	..	78.5	..	79.0	..	76.8	..	73.21
68.0	..	72.5	..	75.0	..	76.0	..	76.5	..	74.5	..	72.17
67.0	..	70.0	..	74.0	..	77.6	..	78.5	..	77.5	..	71.72
—	..	—	..	—	..	—	..	—	..	—	..	—
63.0	..	67.0	..	69.0	..	73.5	..	72.5	..	71.5	..	68.45
65.0	..	67.0	..	71.5	..	75.0	..	76.0	..	74.2	..	69.41
66.0	..	70.2	..	74.4	..	76.2	..	75.7	..	75.0	..	70.52
67.8	..	69.0	..	69.5	..	71.5	..	71.5	..	69.0	..	70.71
61.0	..	62.0	..	63.0	..	64.5	..	67.0	..	66.2	..	63.78
58.5	..	60.5	..	64.0	..	67.8	..	68.0	..	67.0	..	62.57
—	..	—	..	—	..	—	..	—	..	—	..	—
66.0	..	69.5	..	73.2	..	76.0	..	75.8	..	73.0	..	68.46
62.5	..	62.5	..	63.0	..	64.5	..	65.0	..	64.5	..	65.12
59.8	..	64.5	..	67.0	..	72.0	..	72.5	..	71.0	..	64.98
64.8	..	69.2	..	72.5	..	75.4	..	75.8	..	74.0	..	68.68
66.5	..	71.0	..	74.2	..	74.2	..	72.5	..	71.0	..	69.70
60.2	..	59.7	..	60.0	..	60.0	..	60.0	..	60.0	..	62.42
—	..	—	..	—	..	—	..	—	..	—	..	—
56.5	..	58.0	..	—	..	—	..	60.0	..	60.0	..	—
64.82	..	67.73	..	70.26	..	72.32	..	72.43	..	71.23	..	68.24

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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	81.5	81.0	79.1	80.1	79.8	82.7	81.5	81.2	82.6	81.6	80.1	
	2	79.0	79.9	80.0	79.8	80.5	80.6	80.8	81.0	80.6	79.5	79.9	
	3	78.5	78.3	78.1	78.1	79.4	79.7	81.2	81.1	81.3	81.0	80.8	79.9
	4	76.8	76.5	77.4	78.5	77.7	76.8	78.7	79.8	80.4	80.1	79.3	78.4
	5	73.7	74.4	74.3	73.5	74.6	74.9	75.6	75.8	75.6	75.6	76.1	74.8
	6	73.9	74.0	75.4	—	—	—	—	—	—	—	—	—
	7	—	—	—	76.7	77.9	78.2	78.1	78.8	79.0	77.8	77.4	76.7
	8	76.9	77.8	77.7	77.5	77.2	77.3	78.2	78.4	78.9	78.6	78.7	76.1
	9	81.9	81.6	80.7 ^a	80.8	80.2	79.7	79.8	80.9	82.0	82.6	81.5	79.8
	10	78.8	80.0	79.5	79.5	79.2	80.2	81.3	82.4	81.0	81.4	81.7	80.8
	11	79.7	78.8	78.4	78.0	80.0	80.7	82.0	82.2	81.3	81.3	81.9	80.7
	12	79.0	81.8	79.7 ^a	77.6	77.3	77.7	78.4	78.5	79.4	79.5	78.4	76.8
	13	78.9	79.2	78.4	—	—	—	—	—	—	—	—	—
	14	—	—	—	79.7	81.3	80.2	80.1	80.4	81.8	82.3	83.4	79.9
	15	78.3	70.8	73.5	73.6	74.9	78.4	77.1	81.1	72.7	72.2	74.0	70.9
	16	75.1	76.0	75.8	75.8	77.6	83.1	78.7	73.2	74.5	76.6	75.5	71.3
	17	75.6	76.5	75.4	74.3	75.9	76.2	76.8	76.5	76.6	77.5	76.9	74.4
	18	73.3	73.8	75.9 ^a	77.6	78.3	73.4	75.1	75.7	77.3	73.4	75.1	73.5
	19	74.0	73.8	73.0	72.1	72.1	—	72.9	76.1	74.7	75.8	76.4	76.0
	20	70.1	74.6	71.4	—	—	—	—	—	—	—	—	—
	21	—	—	—	78.6	77.5	77.7	78.8	79.0	79.2	79.1	79.5	79.8
	22	76.8	77.6	76.4	74.7	71.0	69.6	73.6	73.9	71.9	72.4	68.5	73.0
	23	68.0	69.7	67.6	69.3	70.6	73.5	72.8	74.4	74.9	74.4	75.5	73.6
	24	71.0	72.9	72.5	74.2	75.4	74.9	75.5	76.8	75.8	77.3	73.7	71.7
	25	72.2	71.8	75.0	73.7	73.5	73.8	74.5	75.4	76.2	76.9	77.1	76.7
	26	79.6	81.0	81.5	81.1	81.9	81.8	83.7	83.4	82.6	82.9	81.1	81.2
	27	79.8	80.1	81.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	78.7	78.5	77.4	78.6	78.5	77.4	76.7	75.7
	29	76.8	75.9	75.3	75.0	74.5	75.3	75.4	75.3	76.7	77.0	77.2	77.5
	30	73.5	73.4	73.4	74.1	76.5	74.7	73.0	73.4	74.1	73.6	74.3	74.0
	31	74.5	75.2	75.5	75.7	76.4	76.2	76.3	76.6	77.4	77.6	77.0	75.7
Hourly Means	76.26	76.58	76.09	76.56	77.06	77.58	77.73	78.20	78.06	77.99	77.72	76.58	

TEMPERATURE OF THE BIFILAR MAGNET.												
MARCH.	1	58.0	..	57.2	..	57.2	..	56.8	..	56.5	..	56.5
	2	61.5	..	60.8	..	61.0	..	60.0	..	59.0	..	59.0
	3	66.5	..	65.0	..	64.0	..	61.0	..	59.8	..	59.5
	4	69.0	..	67.2	..	66.0	..	63.8	..	62.2	..	61.0
	5	72.0	..	70.8	..	70.0	..	69.0	..	67.0	..	67.0
	6	71.0	..	70.0	..	—	..	—	..	—	..	—
	7	—	..	—	..	67.5	..	66.5	..	65.8	..	65.0
	8	69.5	..	68.4	..	68.2	..	66.0	..	64.0	..	63.0
	9	60.5	..	— ^a	..	60.0	..	59.5	..	59.2	..	59.0
	10	64.5	..	63.0	..	62.0	..	60.0	..	58.8	..	58.0
	11	65.8	..	64.2	..	63.0	..	61.0	..	61.0	..	59.0
	12	66.8	..	— ^a	..	66.0	..	64.2	..	63.5	..	64.0
	13	65.8	..	64.8	..	—	..	—	..	—	..	—
	14	—	..	—	..	65.0	..	64.0	..	63.0	..	61.0
	15	69.0	..	69.0	..	68.0	..	66.0	..	64.5	..	62.8
	16	71.0	..	68.5	..	67.5	..	65.8	..	65.4	..	63.5
	17	71.2	..	69.5	..	68.8	..	67.0	..	65.0	..	64.0
	18	74.0	..	— ^a	..	71.5	..	70.5	..	69.0	..	68.5
	19	71.5	..	70.0	..	69.5	..	68.0	..	66.8	..	65.0
	20	72.0	..	70.2	..	—	..	—	..	—	..	—
	21	—	..	—	..	63.0	..	63.0	..	62.2	..	62.0
	22	68.0	..	67.5	..	69.5	..	70.0	..	69.0	..	67.0
	23	77.0	..	74.2	..	73.0	..	70.8	..	68.5	..	66.0
	24	71.0	..	69.0	..	68.5	..	67.0	..	65.0	..	63.5
	25	74.6	..	72.2	..	71.0	..	69.0	..	67.0	..	65.5
	26	58.2	..	56.2	..	55.4	..	54.0	..	54.0	..	53.0
	27	61.0	..	60.2	..	—	..	—	..	—	..	—
	28	—	..	—	..	61.2	..	60.2	..	60.2	..	59.0
	29	65.2	..	64.2	..	64.0	..	63.0	..	62.0	..	61.8
	30	68.8	..	67.4	..	66.5	..	64.0	..	63.0	..	62.0
	31 ^b	71.0	..	68.8	..	67.5	..	66.0	..	64.5	..	63.2
Hourly Means	67.82	..	66.50	..	65.67	..	64.23	..	63.13	..	62.14	

^a Omitted in the means; temperature not recorded.

^b Omitted in the means.

HORIZONTAL FORCE,

One Scale Division = .000303 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.
78.3	78.2	78.2	78.7	79.8	79.8	79.7	80.4	80.1	79.5	79.5	79.6	80.12
78.1	76.8	76.5	76.2	75.9	75.0	75.3	74.6	74.7	75.6	76.3	83.2	78.24
77.7	76.6	75.4	75.2	75.0	75.6	75.3	74.8	74.1	73.0	73.0	74.8	77.41
76.5	74.8	73.3	72.6	72.3	73.0	72.7	72.1	72.1	72.5	72.6	72.9	75.74
72.9	72.2	71.0	71.8	72.8	73.6	74.4	74.6	74.0	74.1	75.0	74.7	74.17
—	—	—	—	—	—	—	—	—	—	—	—	—
76.7	73.3	70.8	69.6	70.3	72.3	73.6	74.4	75.1	75.5	76.6	76.1	75.34
75.0	74.4	74.3	74.9	77.3	77.6	78.9	79.8	80.8	80.9	81.1	82.1	77.93
78.8	77.6	77.3	77.4	76.1	77.7	78.8	78.3	77.8	77.8	78.1	78.4	79.34
80.6	79.1	77.6	77.1	77.0	75.1	77.4	74.3	76.2	77.1	77.4	79.1	78.91
79.3	76.4	74.8	74.4	76.0	76.4	76.9	78.6	76.9	77.4	78.6	79.3	78.75
75.9	74.3	73.7	74.8	76.2	77.4	78.3	78.7	78.0	78.2	79.1	79.5	77.76
—	—	—	—	—	—	—	—	—	—	—	—	—
75.7	71.8	69.7	69.9	67.9	67.0	72.2	67.6	65.7	65.9	65.5	68.0	74.69
72.5	72.6	71.4	68.1	68.0	68.7	71.0	69.3	69.3	70.4	72.3	74.5	72.73
73.6	73.8	70.1	69.5	69.8	70.9	69.5	71.0	71.2	72.5	73.1	74.3	73.85
73.6	72.3	70.0	71.7	71.1	71.4	70.0	70.0	69.6	70.0	72.3	73.9	73.69
71.8	70.4	69.1	68.9	70.0	70.8	71.2	71.2	71.0	71.9	73.0	73.2	73.00
75.3	70.1	72.4	73.1	72.4	70.8	71.7	70.5	68.4	68.1	69.9	69.4	72.56
—	—	—	—	—	—	—	—	—	—	—	—	—
77.8	77.6	75.7	76.4	76.5	77.3	79.2	73.4	74.6	74.6	77.7	76.6	76.78
67.9	68.7	69.5	69.5	67.9	70.1	69.0	67.3	71.7	67.0	66.9	69.1	71.00
73.6	73.4	71.7	67.7	66.8	68.2	71.5	69.2	71.0	71.7	72.9	70.4	71.35
69.2	65.7	66.0	65.8	67.7	69.1	69.7	69.4	69.5	69.1	70.8	69.7	71.39
75.1	72.0	71.9	73.6	74.9	75.5	78.9	77.8	78.3	78.3	79.3	80.5	75.54
79.7	78.1	76.5	75.8	76.4	77.3	78.0	77.9	79.5	79.0	79.6	80.7	80.01
—	—	—	—	—	—	—	—	—	—	—	—	—
76.1	74.6	73.4	72.3	71.7	72.3	74.0	73.9	74.4	75.1	75.8	76.8	76.21
76.3	75.0	70.4	72.2	72.0	72.1	72.8	72.2	73.6	74.1	74.1	73.6	74.59
73.6	73.8	74.2	73.5	73.3	72.4	73.4	73.3	73.6	73.1	73.2	74.3	73.74
75.0	—	—	72.2	—	—	5.3	5.2	6.0	5.8	7.0	7.0	—
75.45	73.98	72.88	72.72	72.89	73.36	74.36	73.64	73.89	73.94	74.76	75.56	75.57

TEMPERATURE OF THE BIFILAR MAGNET.

56.5	..	57.0	..	59.5	..	62.0	..	63.0	..	62.8	..	58.58
59.5	..	63.0	..	66.0	..	70.0	..	71.5	..	69.2	..	63.37
61.8	..	66.0	..	70.8	..	73.0	..	74.0	..	72.5	..	66.16
63.0	..	67.5	..	72.0	..	75.2	..	76.0	..	74.5	..	68.12
68.0	..	71.2	..	74.2	..	74.0	..	74.0	..	72.5	..	70.81
—	..	—	..	—	..	—	..	—	..	—	..	—
67.5	..	71.0	..	73.8	..	75.0	..	75.0	..	71.0	..	69.92
64.0	..	63.5	..	63.5	..	63.2	..	62.5	..	61.2	..	64.75
59.0	..	60.0	..	63.5	..	65.5	..	68.0	..	67.0	..	61.93
60.0	..	63.5	..	67.5	..	70.0	..	70.0	..	68.0	..	63.77
59.2	..	64.5	..	67.8	..	69.5	..	69.5	..	68.0	..	64.37
64.0	..	64.0	..	66.0	..	69.0	..	69.0	..	67.2	..	65.79
—	..	—	..	—	..	—	..	—	..	—	..	—
63.5	..	67.2	..	71.0	..	74.2	..	75.0	..	72.0	..	67.21
64.0	..	68.2	..	72.6	..	74.8	..	75.0	..	73.0	..	68.91
64.0	..	69.0	..	74.0	..	76.2	..	76.2	..	73.2	..	69.52
66.0	..	70.0	..	74.2	..	77.8	..	78.0	..	76.2	..	70.64
70.0	..	74.0	..	74.4	..	78.2	..	77.0	..	73.5	..	72.78
66.0	..	71.0	..	73.4	..	76.0	..	76.5	..	74.2	..	70.66
—	..	—	..	—	..	—	..	—	..	—	..	—
62.2	..	63.5	..	66.2	..	68.0	..	67.0	..	69.0	..	65.69
67.8	..	69.0	..	74.0	..	78.5	..	80.8	..	80.0	..	71.76
66.0	..	69.5	..	72.2	..	74.5	..	76.0	..	73.5	..	71.77
66.0	..	70.0	..	74.2	..	76.6	..	79.0	..	77.0	..	70.57
63.8	..	62.2	..	62.0	..	61.5	..	63.2	..	60.2	..	66.02
56.8	..	58.5	..	61.0	..	62.5	..	63.2	..	62.4	..	57.93
—	..	—	..	—	..	—	..	—	..	—	..	—
59.0	..	63.0	..	67.0	..	69.2	..	69.5	..	67.2	..	63.06
61.2	..	65.2	..	69.2	..	72.0	..	72.0	..	70.5	..	65.86
61.8	..	67.0	..	71.6	..	74.0	..	74.5	..	73.5	..	67.84
64.0	..	—	..	—	..	76.5	..	75.0	..	73.0	..	—
63.10	..	66.10	..	69.29	..	71.55	..	72.12	..	70.36	..	66.84

HORIZONTAL FORCE.													
One Scale Division = $\cdot 000303$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah $^{\circ}$. = $\cdot 000234$.													
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 .	
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	7.0	6.8	7.7	8.1	8.3	9.4	9.3	9.4	9.0	8.6	8.0	7.1
	2	10.6	10.5	9.7	11.0	11.7	12.3	12.2	13.4	13.6	13.9	13.3	11.9
	3	16.9	19.2	20.2	—	—	—	—	—	—	—	—	—
	4	—	—	—	13.9	14.5	14.5	13.2	13.5	13.6	13.5	13.2	14.2
	5	15.5	15.7	15.6	15.4	15.1	14.5	14.8	15.4	15.8	16.3	16.2	16.2
	6	15.4	15.6	15.7	15.7	15.7	15.4	15.5	15.5	14.7	14.3	14.4	14.4
	7	16.4	16.5	15.4	15.2	15.0	15.9	17.5	19.4	20.7	21.0	22.2	21.1
	8	13.1	17.7	13.9	11.3	12.0	11.7	13.4	14.2	14.6	14.5	14.4	13.6
	9	13.7	13.8	13.6	13.3	13.0	13.4	13.5	14.1	14.0	14.1	14.4	14.1
	10	13.5	13.7	13.7	—	—	—	—	—	—	—	—	—
	11	—	—	—	13.0	13.6	14.5	13.2	—	14.3	17.9	18.6	16.4
	12	17.9	18.9	18.0	22.3	18.7	17.5	17.4	17.4	17.0	17.3	17.2	15.9
	13	15.4	19.5	15.4	15.9	16.3	17.5	16.9	17.5	18.8	19.4	19.9	20.0
	14	18.2	18.2	18.0	18.1	17.5	16.5	18.0	16.6	17.4	17.6	17.9	18.2
	15	15.0	15.2	15.2	15.1	15.4	15.8	16.4	16.6	17.6	17.6	17.6	17.3
	16	16.9	16.2	17.2	16.0	16.4	16.4	16.6	16.3	17.2	18.2	18.3	17.7
	17	15.8	16.5	16.4	—	—	—	—	—	—	—	—	—
	18	—	—	—	17.0	18.4	18.2	20.1	19.1	16.7	14.8	14.2	14.4
	19	12.4	17.0	15.3	14.4	18.5	15.2	15.3	15.2	16.7	16.3	16.9	15.4
	20	6.3	8.1	11.8	9.8	12.3	13.5	15.7	13.4	13.6	12.1	11.2	14.4
	21	11.6	15.6	13.9	14.7	16.5	16.0	14.3	14.6	14.0	14.1	15.2	14.8
	22	13.0	19.2	14.6	14.7	15.9	16.8	15.6	14.2	15.9	15.4	13.8 ^a	11.7
	23	12.8	13.5	13.6	13.5	15.4	14.9	13.8	14.1	14.8	15.1	15.5	15.3
	24	12.0	10.8	11.4	—	—	—	—	—	—	—	—	—
	25	—	—	—	13.6	13.7	13.8	14.7	14.9	15.2	14.0	15.2	16.2
	26	12.8	13.1	14.4	14.5	12.9	13.2	13.5	13.1	12.4	12.8	13.9	14.0
	27	11.9	12.0	14.0	12.9	13.0	12.7	13.6	13.8	14.4	14.8	15.3	14.8
	28	12.6	13.8	13.9	13.7	15.2	14.4	15.4	14.4	16.5	17.0	19.3	18.9
	29	14.0	14.0	14.1	14.2	14.5	14.8	15.4	15.9	16.3	16.8	16.7	17.1
	30	12.2	11.1	16.8	12.4	11.8	11.8	11.9	12.1	12.7	12.6	13.2	12.8
Hourly Means	13.57	14.70	14.60	14.22	14.66	14.64	14.89	14.96	15.29	15.38	15.69	15.30	
TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	71.2	..	70.0	..	68.0	..	67.0	..	65.0	..	63.0	..
	2	64.5	..	63.0	..	61.0	..	59.0	..	57.2	..	56.2	..
	3	59.5	..	58.5	..	—	..	—	..	—	..	—	..
	4	—	..	—	..	54.0	..	53.0	..	52.8	..	50.5	..
	5	56.0	..	55.0	..	55.0	..	53.5	..	52.5	..	52.0	..
	6	60.0	..	58.8	..	58.2	..	57.2	..	56.2	..	55.4	..
	7	53.0	..	51.0	..	50.0	..	48.5	..	47.0	..	46.8	..
	8	55.0	..	55.5	..	56.0	..	57.0	..	56.5	..	56.8	..
	9	62.0	..	61.2	..	61.0	..	60.0	..	59.5	..	58.8	..
	10	65.2	..	64.6	..	—	..	—	..	—	..	—	..
	11	—	..	—	..	53.0	..	52.0	..	50.5	..	52.0	..
	12	54.0	..	51.5	..	50.5	..	49.8	..	48.5	..	47.2	..
	13	51.0	..	50.8	..	51.0	..	50.0	..	49.0	..	47.0	..
	14	52.2	..	51.0	..	52.0	..	53.2	..	52.2	..	51.5	..
	15	56.0	..	55.0	..	54.2	..	53.2	..	52.0	..	51.4	..
	16	56.4	..	55.4	..	55.2	..	54.8	..	54.0	..	54.0	..
	17	60.4	..	59.0	..	—	..	—	..	—	..	—	..
	18	—	..	—	..	53.2	..	54.4	..	54.4	..	54.4	..
	19	56.0	..	55.8	..	55.5	..	55.0	..	54.5	..	56.0	..
	20	66.0	..	65.0	..	63.0	..	60.5	..	58.8	..	57.5	..
	21	57.0	..	55.5	..	55.0	..	53.0	..	52.0	..	50.0	..
	22	60.0	..	59.0	..	59.2	..	59.2	..	58.7	..	— ^a	..
	23	57.5	..	57.5	..	58.5	..	57.0	..	55.5	..	55.8	..
	24	61.5	..	61.0	..	—	..	—	..	—	..	—	..
	25	—	..	—	..	57.5	..	57.2	..	57.0	..	56.0	..
	26	60.5	..	60.0	..	59.8	..	58.0	..	57.5	..	57.0	..
	27	57.2	..	57.0	..	56.5	..	56.0	..	55.4	..	54.8	..
	28	57.0	..	56.0	..	55.0	..	53.4	..	52.4	..	49.8	..
	29	56.5	..	56.0	..	54.6	..	53.5	..	53.0	..	52.8	..
	30	62.0	..	61.8	..	62.5	..	61.2	..	60.5	..	60.0	..
	Hourly Means	58.75	..	57.88	..	56.52	..	55.64	..	54.72	..	53.87	..

^a Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 8·2	Sc. Div. 9·2	Sc. Div. 9·9	Sc. Div. 10·1	Sc. Div. 10·3	Sc. Div. 10·5	Sc. Div. 11·0	Sc. Div. 11·3	Sc. Div. 11·0	Sc. Div. 11·4	Sc. Div. 10·8	Sc. Div. 10·5	Sc. Div. 9·29
12·1	12·1	12·4	12·5	12·7	12·4	12·8	15·0	13·5	13·4	12·8	8·9	12·28
—	—	—	—	—	—	—	—	—	—	—	—	14·30
14·3	13·9	13·3	11·7	11·2	12·4	13·5	13·4	14·5	14·6	15·1	15·0	14·85
15·7	14·0	12·7	12·0	12·7	13·2	14·5	14·4	14·6	15·3	15·4	15·3	14·61
14·0	13·0	11·9	10·8	11·4	12·7	14·4	16·1	13·9	16·9	16·4	16·8	17·28
20·7	18·6	15·7	16·4	16·4	16·8	16·6	17·0	18·0	17·0	13·1	12·2	12·87
13·0	12·0	10·8	10·7	11·2	11·2	11·3	12·6	12·6	12·6	12·8	13·8	12·62
13·5	11·6	10·1	8·6	9·4	10·4	11·3	11·6	12·0	12·5	13·2	13·6	14·42
—	—	—	—	—	—	—	—	—	—	—	—	16·91
14·9	11·4	11·1	11·9	11·0	13·6	14·9	16·3	16·5	16·4	15·0	16·3	17·22
13·0	13·1	15·4	13·5	14·2	15·2	17·2	16·6	17·5	18·2	18·9	17·5	15·95
18·4	17·5	16·1	14·8	15·2	14·4	16·5	17·0	17·3	17·8	17·9	18·0	15·57
18·0	16·1	14·4	13·9	12·4	13·8	12·2	13·2	13·4	14·0	14·6	14·6	16·36
16·4	15·4	13·7	13·3	13·2	13·6	14·0	14·8	15·5	16·0	16·4	16·7	14·65
17·0	17·0	15·9	15·0	14·2	14·5	15·5	14·6	16·3	16·7	17·0	15·5	12·90
—	—	—	—	—	—	—	—	—	—	—	—	11·65
18·1	8·5	9·8	12·4	8·7	11·3	12·2	12·9	10·8	14·5	15·1	15·8	13·17
13·1	12·3	13·1	11·7	7·8	9·3	8·7	10·0	10·7	6·9	11·0	6·5	13·29
12·5	11·9	—	9·8	8·8	7·6	9·5	12·1	13·8	12·8	14·2	12·7	12·56
14·9	13·2	10·4	9·5	10·4	12·5	11·7	11·7	11·3	12·2	11·1	12·0	12·02
8·6	9·2	9·6	10·7	11·9	11·3	11·9	12·8	13·5	12·6	13·2	13·3	11·57
14·0	11·9	10·0	9·5	9·2	9·7	10·8	11·5	11·3	9·4	11·6	10·2	12·88
—	—	—	—	—	—	—	—	—	—	—	—	14·96
14·9	11·6	9·2	8·6	8·8	8·3	8·0	8·1	10·3	11·0	11·7	12·6	13·70
12·7	11·8	10·7	8·9	8·9	9·3	9·4	8·2	8·5	9·2	8·5	11·0	10·66
13·7	12·1	10·9	10·2	9·7	10·5	12·4	13·0	13·9	13·1	12·8	13·6	13·79
18·2	17·2	14·9	12·1	12·3	11·5	13·0	13·9	14·7	—	15·5	15·7	—
15·6	14·0	12·2	10·4	10·4	12·0	13·5	13·3	11·4	10·1	10·1	11·9	—
12·7	11·0	7·8	5·9	5·8	7·2	8·0	9·8	11·0	9·4	8·0	7·9	—
14·55	13·06	12·08	11·34	11·08	11·74	12·49	13·12	13·38	13·36	13·55	13·38	13·79

TEMPERATURE OF THE BIFILAR MAGNET.

63°0	°	64°5	°	67°5	°	69°0	°	68°0	°	66°2	°	66°87
56·6	..	58·0	..	62·0	..	63·5	..	63·0	..	61·5	..	60·46
—	..	—	..	—	..	—	..	—	..	—	..	—
51·5	..	52·5	..	54·0	..	56·0	..	58·0	..	57·0	..	54·77
52·2	..	55·0	..	58·5	..	60·0	..	61·5	..	61·0	..	56·02
56·0	..	58·0	..	62·0	..	60·2	..	58·5	..	55·2	..	57·97
47·0	..	49·5	..	54·0	..	55·8	..	57·0	..	55·5	..	51·26
57·2	..	60·0	..	62·6	..	64·0	..	64·0	..	64·5	..	59·09
59·0	..	61·0	..	64·0	..	65·6	..	66·8	..	66·0	..	62·07
—	..	—	..	—	..	—	..	—	..	—	..	—
51·0	..	54·0	..	56·2	..	56·0	..	55·0	..	54·8	..	55·36
47·5	..	48·5	..	48·0	..	51·0	..	52·0	..	51·2	..	49·97
47·8	..	49·0	..	49·8	..	52·0	..	52·5	..	52·6	..	50·21
51·6	..	53·2	..	57·0	..	58·5	..	58·0	..	57·4	..	53·98
51·0	..	55·0	..	58·0	..	60·5	..	59·0	..	57·5	..	55·23
55·2	..	57·5	..	59·5	..	66·6	..	63·2	..	62·0	..	57·82
—	..	—	..	—	..	—	..	—	..	—	..	—
54·5	..	55·0	..	57·5	..	58·5	..	57·5	..	57·0	..	56·32
55·0	..	56·5	..	60·0	..	62·0	..	63·0	..	64·8	..	57·84
59·0	..	—	..	61·8	..	61·0	..	61·0	..	58·5	..	61·10
50·8	..	54·8	..	59·0	..	61·2	..	61·8	..	61·0	..	55·92
58·0	..	56·0	..	56·5	..	57·5	..	58·2	..	56·0	..	58·03
57·0	..	60·0	..	62·2	..	64·0	..	63·0	..	62·5	..	59·21
—	..	—	..	—	..	—	..	—	..	—	..	—
56·5	..	58·5	..	61·5	..	62·2	..	62·0	..	61·2	..	59·34
57·2	..	57·5	..	58·2	..	58·0	..	58·5	..	58·0	..	58·35
54·0	..	55·0	..	58·0	..	58·5	..	58·7	..	57·8	..	56·57
50·0	..	52·2	..	55·0	..	57·4	..	59·2	..	57·5	..	54·57
53·8	..	57·5	..	60·4	..	62·0	..	62·5	..	62·4	..	57·08
60·5	..	63·0	..	67·5	..	69·5	..	69·5	..	68·0	..	63·83
54·34	..	56·07	..	58·87	..	60·40	..	60·44	..	59·50	..	57·26

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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 ^a	9.1	10.6	11.5	—	—	—	—	—	—	—	—	
	2 ^a	—	—	—	13.6	13.7	13.9	14.6	15.2	15.5	16.1	16.5	
	3	19.2	19.7	19.9	20.0	20.4	20.9	21.5	21.6	21.9	21.8	22.1	21.5
	4	21.4	21.1	20.1	20.1	21.2	23.8	21.7	20.5	20.3	19.6	19.1	23.9
	5	22.5	22.6	22.9	22.7	22.4	23.7	23.2	24.0	24.9	25.4	25.2	24.5
	6	17.8	19.4	19.1	23.6	—	19.7	22.3	20.5	22.3	23.2	24.4	22.8
	7	20.6	20.2	21.5	21.4	22.7	22.1	23.0	24.3	24.1	25.0	25.9	26.1
	8	22.8	23.0	23.3	—	—	—	—	—	—	—	—	—
	9	—	—	—	21.8	23.0	23.8	22.8	23.2	23.8	24.5	24.8	25.1
	10	17.2	1.4	10.0	9.3	18.4	20.3	21.9	23.2	22.6	21.7	20.7	20.6
	11	22.0	22.6	22.7	22.7	22.5	22.4	23.2	24.3	24.9	25.7	26.0	24.7
	12	19.6	21.6	21.9	22.8	23.3	21.8	22.4	22.9	22.4	23.0	23.3	24.3
	13	22.6	22.5	22.6	22.5	22.3	23.0	22.0	22.2	22.5	22.7	23.1	23.6
	14	21.8	22.2	22.7	23.2	23.1	23.4	23.9	24.3	24.6	25.4	25.9	25.7
	15	24.2	23.8	24.5	—	—	—	—	—	—	—	—	—
	16	—	—	—	23.4	23.1	23.4	24.0	24.2	25.0	27.1	27.1	26.7
	17	18.0	16.9	19.6	18.2	19.0	20.5	22.2	21.2	23.9	23.4	22.6	22.7
	18	20.9	20.2	21.2	21.5	21.8	23.1	23.9	25.7	24.2	24.4	23.2	22.2
	19	24.4	24.5	24.4	24.8	24.5	24.7	25.0	25.3	26.3	26.3	26.9	27.2
	20	20.3	23.9	24.9	25.4	25.5	25.6	26.8	27.2	27.1	27.5	28.3	27.9
	21	24.7	21.0	23.0	24.1	23.9	25.9	25.3	25.7	26.6	27.5	26.7	28.9
	22	24.0	24.9	27.7	—	—	—	—	—	—	—	—	—
	23	—	—	—	25.3	25.1	25.0	24.9	25.0	25.8	25.5	26.0	26.5
	24	23.9	23.6	23.6	23.9	23.5	24.2	24.3	24.6	25.1	25.3	25.0	25.1
	25	21.1	21.7	22.7	22.5	22.7	23.0	24.5	23.8	24.2	24.2	24.9	25.1
	26	21.7	22.0	23.0	23.1	23.0	22.4	22.9	23.6	24.7	25.3	25.7	26.5
	27	21.4	19.3	21.2	22.0	21.7	22.3	22.8	22.2	23.0	27.0	26.4	24.8
	28	24.3	24.2	24.4	23.6	24.4	25.0	24.7	24.7	24.4	25.1	25.0	26.0
	29	24.7	24.8	25.6	—	—	—	—	—	—	—	—	—
	30	—	—	—	26.7	26.5	26.9	27.4	27.4	27.8	28.0	28.1	28.7
	31 ^a	25.4	25.5	25.3	25.4	25.5	25.5	25.6	25.5	25.7	25.5	25.5	25.5
Hourly Means	21.71	21.13	22.19	22.27	22.78	23.20	23.61	23.82	24.27	24.77	24.85	25.05	

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
MAY.	1 ^a	67.0	..	66.0	..	..	..	..	..	..	..	..
	2 ^a	—	..	—	..	60.0	..	58.5	..	57.5	..	56.5
	3	63.5	..	64.5	..	63.2	..	62.5	..	62.0	..	61.5
	4	59.0	..	58.2	..	56.2	..	55.8	..	53.0	..	52.0
	5	58.0	..	57.0	..	56.0	..	56.0	..	54.0	..	53.2
	6	55.5	..	55.0	..	—	..	54.5	..	54.2	..	54.2
	7	56.7	..	55.5	..	54.5	..	54.0	..	52.0	..	50.8
	8	56.0	..	55.0	..	—	..	—	..	—	..	—
	9	—	..	—	..	55.8	..	55.0	..	54.0	..	52.5
	10	53.5	..	51.5	..	52.0	..	51.8	..	51.0	..	50.0
	11	54.6	..	54.0	..	54.0	..	53.5	..	52.5	..	52.8
	12	55.0	..	53.8	..	53.0	..	52.2	..	52.0	..	51.5
	13	55.0	..	54.6	..	54.8	..	54.5	..	53.0	..	52.5
	14	55.6	..	54.0	..	54.0	..	52.8	..	51.0	..	50.0
	15	52.5	..	52.0	..	—	..	—	..	—	..	—
	16	—	..	—	..	55.2	..	54.5	..	54.0	..	54.0
	17	55.0	..	54.0	..	53.8	..	51.5	..	50.5	..	50.0
	18	56.5	..	55.8	..	55.5	..	55.0	..	55.4	..	54.8
	19	52.5	..	52.0	..	52.0	..	51.0	..	50.0	..	49.0
	20	51.0	..	50.0	..	49.0	..	47.0	..	46.0	..	45.2
	21	52.5	..	51.0	..	49.5	..	48.2	..	47.0	..	46.2
	22	50.0	..	49.4	..	—	..	—	..	—	..	—
	23	—	..	—	..	51.0	..	51.0	..	51.0	..	50.8
	24	54.0	..	53.5	..	53.5	..	52.8	..	52.0	..	52.0
	25	56.0	..	55.2	..	54.8	..	54.0	..	53.7	..	53.0
	26	56.0	..	56.0	..	56.0	..	54.5	..	54.0	..	53.5
	27	55.0	..	52.8	..	52.2	..	51.2	..	50.4	..	49.6
	28	52.6	..	52.0	..	51.4	..	50.5	..	50.0	..	50.5
	29	51.6	..	51.0	..	—	..	—	..	—	..	—
	30	—	..	—	..	46.8	..	46.0	..	45.4	..	45.0
	31 ^a	52.0	..	51.8	..	51.6	..	50.5	..	51.0	..	51.0
Hourly Means	54.90	..	54.07	..	53.66	..	52.91	..	52.00	..	51.44	

^a Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°, = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
15.5	14.9	12.5	—	—	—	16.3	—	18.5	18.8	18.8	19.6	—
20.6	20.0	19.9	19.3	20.2	20.5	20.5	21.0	22.3	22.1	21.1	21.7	20.82
23.9	23.9	22.4	20.7	20.7	19.5	20.0	20.7	21.5	22.1	22.9	23.6	21.45
21.5	19.7	18.4	18.9	16.5	17.1	19.1	22.4	22.5	21.0	16.2	14.5	21.32
22.3	21.1	21.2	18.8	17.4	18.4	19.0	19.3	20.2	18.2	20.2	20.3	20.50
25.5	23.8	21.1	19.5	19.0	19.4	20.9	21.6	22.1	22.8	23.2	22.6	22.43
—	—	—	—	—	—	—	—	—	—	—	—	—
26.2	20.9	12.6	10.4	16.0	12.8	16.1	15.2	13.4	8.8	7.6	7.1	18.71
20.1	20.0	20.5	20.5	19.9	19.9	19.6	20.6	21.0	21.2	21.4	21.7	18.90
22.0	23.6	21.8	21.9	20.9	19.3	21.5	21.1	21.2	21.2	22.6	22.6	22.64
23.9	23.0	21.5	20.0	19.0	18.5	15.9	17.4	20.7	21.6	21.9	21.9	21.44
23.3	22.8	21.3	19.1	18.8	18.2	18.3	19.1	19.9	21.0	21.3	21.6	21.51
25.0	23.5	21.0	21.0	20.4	20.6	22.1	23.4	24.5	24.1	24.1	24.4	23.35
—	—	—	—	—	—	—	—	—	—	—	—	—
25.6	23.9	22.3	22.6	23.5	22.7	23.0	23.2	21.9	20.0	18.3	18.1	23.40
23.6	24.4	23.3	21.0	20.1	20.1	20.5	20.5	20.3	18.4	19.1	20.5	20.83
21.4	20.5	21.3	20.7	20.3	21.6	22.5	23.3	23.4	23.6	23.8	24.3	22.46
26.7	25.7	21.4	19.5	22.2	23.3	23.2	22.6	23.5 ^b	24.1	23.6	22.3	24.30
28.4	27.8	26.4	23.6	22.3	21.2	20.9	22.4	20.8	20.4	20.7	22.5	24.49
28.8	27.0	24.9	21.0	20.8	18.6	21.9	21.8	22.0	22.6	25.9	24.4	24.29
—	—	—	—	—	—	—	—	—	—	—	—	—
25.5	24.1	21.3	21.5	22.8	23.0	23.4	23.8	24.3	23.6	23.2	23.7	24.41
24.2	23.0	21.6	19.7	20.4	20.5	20.4	21.1	21.4	21.8	21.9	21.3	22.89
24.8	24.5	23.7	23.2	21.9	21.2	21.3	21.6	22.1	22.9	23.0	22.8	23.06
26.9	25.6	25.0	24.0	23.1	20.1	19.3	21.7	21.3	19.7	18.9	18.7	22.84
24.6	23.0	21.6	22.8	23.1	22.4	22.5	24.0	24.1	24.1	23.4	24.2	23.08
25.3	22.7	21.1	20.4	21.5	21.3	22.4	23.4	24.0	24.2	24.4	24.6	23.80
—	—	—	—	—	—	—	—	—	—	—	—	—
28.9	27.9	26.7	25.5	25.1	24.9	24.6	24.7	25.2	25.2	25.6	25.5	26.35
27.6	25.9	25.6	24.4	24.0	19.5	20.9	21.3	21.4	21.6	22.4	21.4	—
24.54	23.43	21.76	20.67	20.66	20.21	20.79	21.50	21.74	21.45	21.43	21.45	22.47

TEMPERATURE OF THE BIFILAR MAGNET.

—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	..	60.2	..	—	..	68.5	..	68.0	..	66.4	..	—
61.2	..	60.8	..	62.0	..	63.0	..	62.7	..	60.5	..	62.28
52.0	..	56.5	..	58.5	..	59.5	..	59.2	..	59.0	..	56.57
53.8	..	54.2	..	56.0	..	57.0	..	57.0	..	56.0	..	55.68
54.0	..	54.5	..	57.5	..	58.5	..	59.0	..	58.5	..	55.95
51.5	..	54.5	..	56.8	..	57.8	..	58.0	..	57.0	..	54.92
—	..	—	..	—	..	—	..	—	..	—	..	—
52.0	..	53.5	..	53.0	..	52.0	..	51.8	..	52.8	..	53.62
50.0	..	50.5	..	52.2	..	53.0	..	54.0	..	54.5	..	52.00
52.8	..	53.5	..	55.6	..	56.8	..	57.5	..	57.5	..	54.59
53.0	..	53.2	..	57.0	..	57.2	..	57.0	..	54.8	..	54.14
53.0	..	56.0	..	57.5	..	58.5	..	58.5	..	57.0	..	55.41
49.6	..	50.0	..	51.0	..	52.0	..	52.5	..	53.0	..	52.12
—	..	—	..	—	..	—	..	—	..	—	..	—
53.0	..	53.5	..	55.0	..	57.2	..	58.0	..	56.8	..	54.64
51.0	..	54.8	..	58.0	..	58.5	..	58.5	..	57.5	..	54.42
54.5	..	55.0	..	55.0	..	54.8	..	54.0	..	53.2	..	54.96
48.0	..	49.0	..	52.5	..	54.0	..	— ^b	..	52.0	..	51.09
45.6	..	48.0	..	52.0	..	54.0	..	54.0	..	56.0	..	49.82
48.0	..	49.5	..	52.0	..	52.5	..	52.5	..	52.5	..	50.12
—	..	—	..	—	..	—	..	—	..	—	..	—
51.2	..	51.8	..	53.2	..	54.5	..	54.8	..	54.0	..	51.89
52.0	..	55.0	..	57.8	..	58.0	..	57.2	..	56.5	..	54.52
53.0	..	53.0	..	55.2	..	58.0	..	57.2	..	56.4	..	54.96
52.8	..	52.8	..	54.6	..	56.0	..	57.0	..	55.5	..	54.89
49.0	..	50.5	..	51.2	..	53.2	..	53.8	..	53.2	..	51.84
51.8	..	54.0	..	55.2	..	56.0	..	55.0	..	53.0	..	52.67
—	..	—	..	—	..	—	..	—	..	—	..	—
45.0	..	48.0	..	50.0	..	51.5	..	51.0	..	52.0	..	48.61
51.0	..	53.2	..	55.6	..	—	..	58.6	..	57.0	..	—
51.57	..	53.00	..	54.95	..	55.98	..	56.10	..	55.38	..	53.82

^b Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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	21.6	22.3	22.3	22.6	23.0	24.6	24.1	24.1	24.6	24.6	25.0	25.8
	2	21.6	22.3	22.8	23.4	24.0	24.3	25.8	26.7	27.0	26.8	26.1	25.6
	3	24.4	25.0	25.0	24.6	25.3	24.9	25.7	26.3	27.6	27.2	27.5	26.7
	4	23.4	24.3	24.0	24.2	26.9	25.2	25.5	26.4	26.5	27.1	27.5	26.9
	5	20.7	22.0	22.5	—	—	—	—	—	—	—	—	—
	6	—	—	—	23.4	23.3	23.7	—	24.8	24.6	25.7	26.2	26.8
	7	20.4	21.1	22.1	21.9	24.5	24.6	23.8	25.2	26.7	26.7	27.2	25.5
	8	23.2	23.5	23.8	23.2	24.0	23.9	24.3	24.8	24.8	25.0	25.6	26.3
	9	23.3	23.3	24.5	25.1	25.6	26.5	26.6	26.5	27.2	27.1	27.2	27.2
	10	26.9	26.3	26.3	27.1	27.4	27.6	27.7	27.8	28.7	28.4	28.8	28.9
	11	26.3	26.2	26.1	26.1	26.0	26.6	27.0	26.9	27.0	27.1	27.3	28.2
	12	23.8	23.8	23.9	—	—	—	—	—	—	—	—	—
	13	—	—	—	26.4	26.1	26.1	26.8	27.0	26.0	27.4	27.4	27.2
	14	24.2	23.9	24.3	24.4	24.7	25.2	26.4	26.7	26.3	27.0	27.4	27.8
	15	20.7	23.1	23.7	23.0	24.7	22.5	22.3	23.5	23.4	24.1	24.3	25.9
	16	22.8	23.2	24.5	24.1	25.0	25.9	26.6	27.0	25.9	25.7	26.1	25.5
	17	25.2	25.4	25.3	25.3	25.3	25.8	28.2	26.0	25.9	27.3	25.0	26.7
	18	24.8	23.9	24.4	25.6	25.0	26.1	25.5	25.6	24.7	24.3	24.4	24.8
	19	22.9	22.9	23.4	—	—	—	—	—	—	—	—	—
	20	—	—	—	23.1	23.6	23.3	23.4	23.5	23.5	24.0	24.2	23.9
	21	23.6	23.9	25.2	24.8	25.2	24.8	25.7	25.9	25.3	26.1	27.4	27.7
	22	24.8	29.5	24.7	24.7	25.0	25.6	25.4	26.8	26.8	27.8	27.5	27.4
	23	25.0	24.8	25.7	25.3	24.5	26.3	25.1	25.9	26.1	26.2	27.2	26.5
	24	21.9	22.2	23.5	23.6	25.5	25.4	24.6	25.0	25.4	25.5	26.2	26.3
	25	26.1	25.2	24.4	25.7	25.4	24.9	25.5	26.3	27.0	26.1	28.4	27.0
	26	22.5	22.4	22.4	—	—	—	—	—	—	—	—	—
	27	—	—	—	23.1	23.8	23.6	25.4	25.1	25.1	25.5	25.7	26.7
	28	24.7	24.1	24.7	25.3	25.0	26.5	27.0	27.4	27.7	28.5	28.7	30.0
	29	26.3	26.6	26.0	26.3	26.9	27.2	27.7	28.1	28.8	28.6	28.7	28.4
	30 ^a	24.8	25.9	25.8	25.2	25.9	26.5	27.1	27.2	28.3	28.6	28.0	29.6
Hourly Means	23.64	24.05	24.22	24.49	25.03	25.24	25.67	25.97	26.10	26.39	26.68	26.79	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JUNE.	1	56.0	..	55.0	..	54.0	..	53.5	..	52.2	..	51.8	..
	2	56.0	..	54.0	..	52.0	..	50.4	..	49.0	..	47.2	..
	3	51.2	..	50.5	..	49.5	..	48.8	..	47.0	..	46.8	..
	4	49.0	..	49.0	..	50.0	..	49.0	..	48.0	..	47.5	..
	5	55.0	..	53.5	..	—	..	—	..	—	..	—	..
	6	—	..	—	..	53.0	..	—	..	51.0	..	51.0	..
	7	52.0	..	52.0	..	51.0	..	49.4	..	48.5	..	47.8	..
	8	53.5	..	53.0	..	52.5	..	52.2	..	53.0	..	51.0	..
	9	48.0	..	48.0	..	48.0	..	47.5	..	47.0	..	46.0	..
	10	47.0	..	46.0	..	45.0	..	44.0	..	43.2	..	43.0	..
	11	48.5	..	48.0	..	48.0	..	47.2	..	47.0	..	46.6	..
	12	53.5	..	52.4	..	—	..	—	..	—	..	—	..
	13	—	..	—	..	49.5	..	49.0	..	48.5	..	48.0	..
	14	52.0	..	51.0	..	50.5	..	49.5	..	49.4	..	48.2	..
	15	55.2	..	55.0	..	54.5	..	54.0	..	53.0	..	51.5	..
	16	52.0	..	51.0	..	50.0	..	49.5	..	49.2	..	50.2	..
	17	51.2	..	51.0	..	50.8	..	50.4	..	50.0	..	50.0	..
	18	49.0	..	48.2	..	47.8	..	47.0	..	46.0	..	45.0	..
	19	53.0	..	53.0	..	—	..	—	..	—	..	—	..
	20	—	..	—	..	54.5	..	55.0	..	54.4	..	54.0	..
	21	51.5	..	50.4	..	50.0	..	49.5	..	49.0	..	48.8	..
	22	49.2	..	49.0	..	49.0	..	48.8	..	47.5	..	47.0	..
	23	50.0	..	49.0	..	48.0	..	47.8	..	47.4	..	48.0	..
	24	54.5	..	53.3	..	52.2	..	51.2	..	51.0	..	50.0	..
	25	51.5	..	51.0	..	51.0	..	50.2	..	49.8	..	48.7	..
	26	55.0	..	55.0	..	—	..	—	..	—	..	—	..
	27	..	..	—	..	54.0	..	52.5	..	51.0	..	50.0	..
	28	51.5	..	50.5	..	48.8	..	47.0	..	46.0	..	45.0	..
	29	47.0	..	46.5	..	46.0	..	45.5	..	45.0	..	44.8	..
	30 ^a	48.0	..	47.8	..	47.0	..	46.2	..	45.0	..	44.5	..
Hourly Means	51.69	..	51.01	..	50.38	..	49.54	..	48.92	..	48.31	..	

^a Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
25.6	24.4	24.2	20.8	19.5	20.5	20.3	19.0	19.6	21.0	21.5	21.8	22.62
25.2	26.8	26.0	23.8	23.4	22.1	22.9	23.2	23.9	24.1	24.7	24.8	24.47
26.5	24.9	24.6	24.4	22.8	23.7	24.3	24.5	25.2	22.5	23.4	23.7	25.02
24.6	24.6	22.8	20.4	19.8	20.1	19.7	19.5	19.8	20.8	21.4	20.7	23.42
—	—	—	—	—	—	—	—	—	—	—	—	23.00
26.5	25.8	22.9	22.2	20.6	21.0	21.5	21.0	20.7	21.0	20.2	22.0	23.86
27.5	26.5	23.7	22.6	21.9	21.9	22.2	22.3	23.5	24.0	23.8	23.1	25.38
27.1	27.5	26.4	26.0	26.0	25.2	26.4	26.0	26.7	26.3	27.1	26.1	25.68
25.9	27.1	27.7	26.6	25.0	24.8	21.1	24.4	25.9	25.7	26.2	25.8	26.78
29.0	29.0	27.5	25.6	25.2	24.9	24.8	25.0	24.3	24.1	25.5	26.0	25.30
28.8	28.2	26.3	24.3	20.6	20.4	22.1	23.2	22.9	23.0	23.3	23.4	25.38
—	—	—	—	—	—	—	—	—	—	—	—	24.85
28.1	26.9	25.0	24.5	24.3	24.0	24.0	23.6	23.9	24.2	24.4	24.4	22.90
28.4	28.0	26.5	24.0	23.4	23.1	22.9	22.6	23.0	23.4	22.5	20.2	24.72
23.1	23.0	21.4	20.0	21.5	20.6	21.3	23.7	22.3	23.9	23.9	23.7	24.73
26.1	26.0	24.2	23.8	23.3	23.0	24.0	24.0	24.4	24.1	24.1	24.0	23.90
26.6	23.5	23.5	22.7	21.1	20.8	24.2	22.5	22.0	24.1	24.2	27.0	23.01
21.4	22.7	23.4	23.4	22.5	21.7	22.3	23.1	23.7	23.5	23.3	23.5	25.51
—	—	—	—	—	—	—	—	—	—	—	—	25.83
24.3	22.1	20.9	21.3	20.9	21.0	21.5	22.6	23.8	23.9	24.1	24.1	24.42
27.6	27.4	25.7	24.7	24.5	25.0	25.1	24.7	25.7	26.4	25.1	24.7	24.76
27.5	27.0	25.3	24.8	24.5	24.0	23.4	25.0	24.9	25.5	26.0	26.0	25.28
25.3	23.7	23.5	22.9	22.9	22.1	22.0	22.6	21.7	23.1	23.2	24.5	24.19
27.0	25.1	25.8	26.5	25.0	24.0	23.6	25.0	24.4	22.5	23.2	27.0	26.82
27.8	27.7	27.4	26.1	22.7	23.9	23.5	23.4	23.1	24.0	22.4	22.8	26.29
—	—	—	—	—	—	—	—	—	—	—	—	—
27.0	25.6	25.1	23.3	23.0	22.9	23.2	23.1	23.4	24.2	24.3	24.3	24.73
28.9	26.0	27.6	29.7	26.5	26.3	27.2	27.6	27.5	26.7	25.7	24.5	23.01
27.7	25.8	26.0	27.7	27.5	25.8	23.0	25.9	25.8	23.1	21.1	21.9	25.51
29.1	28.2	27.2	25.8	—	—	—	—	19.3	20.2	21.1	22.0	25.83
—	—	—	—	—	—	—	—	—	—	—	—	24.42
26.53	25.81	24.94	24.08	23.14	22.91	23.06	23.50	23.68	23.80	23.78	24.00	24.73

TEMPERATURE OF THE BIFILAR MAGNET.

51.8	..	53.0	..	57.0	..	58.0	..	57.0	..	57.0	..	54.69
47.5	..	48.0	..	51.0	..	54.0	..	53.0	..	52.5	..	51.22
47.2	..	47.5	..	48.5	..	49.0	..	49.0	..	49.0	..	48.67
48.0	..	51.5	..	55.8	..	58.0	..	58.8	..	57.0	..	51.80
—	..	—	..	—	..	—	..	—	..	—	..	—
50.5	..	51.2	..	54.2	..	55.2	..	54.4	..	53.0	..	52.91
48.0	..	51.0	..	53.0	..	55.0	..	55.5	..	54.5	..	51.47
50.0	..	50.8	..	51.0	..	51.5	..	51.5	..	50.0	..	51.67
46.0	..	46.0	..	47.5	..	49.0	..	49.2	..	48.0	..	47.52
43.0	..	45.0	..	47.0	..	49.5	..	49.0	..	49.5	..	45.93
47.0	..	49.5	..	52.0	..	57.0	..	55.5	..	54.5	..	50.07
—	..	—	..	—	..	—	..	—	..	—	..	—
47.5	..	49.0	..	50.0	..	51.0	..	53.0	..	53.0	..	50.37
48.0	..	50.0	..	52.0	..	57.0	..	57.5	..	56.0	..	51.76
51.0	..	51.5	..	52.8	..	54.5	..	55.0	..	53.2	..	53.43
51.6	..	52.0	..	52.4	..	53.0	..	52.0	..	51.5	..	51.20
49.8	..	49.5	..	50.5	..	50.0	..	49.6	..	49.2	..	50.17
44.5	..	47.5	..	51.5	..	53.5	..	53.5	..	53.2	..	48.89
—	..	—	..	—	..	—	..	—	..	—	..	—
54.0	..	55.0	..	55.2	..	54.8	..	53.0	..	52.0	..	53.99
48.2	..	49.2	..	50.0	..	50.0	..	50.0	..	49.8	..	49.70
48.0	..	49.0	..	52.0	..	53.5	..	53.0	..	52.0	..	49.83
50.0	..	51.6	..	52.6	..	54.2	..	55.0	..	55.0	..	50.72
47.0	..	47.0	..	49.8	..	51.0	..	51.5	..	50.5	..	50.75
49.5	..	50.0	..	54.4	..	55.0	..	55.0	..	55.0	..	51.76
—	..	—	..	—	..	—	..	—	..	—	..	—
50.0	..	51.2	..	54.0	..	55.4	..	55.2	..	53.2	..	53.04
44.2	..	44.5	..	46.4	..	47.6	..	48.0	..	47.0	..	47.21
45.0	..	46.5	..	47.0	..	47.5	..	48.0	..	47.8	..	46.38
43.4	..	45.0	..	—	..	—	..	52.0	..	49.0	..	—
48.29	..	49.48	..	51.50	..	52.97	..	52.89	..	52.13	..	50.60

HORIZONTAL FORCE.													
One Scale Division = .000393 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .000234.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JULY.	1	21·9	22·4	22·2	22·9	23·4	23·7	24·5	25·2	25·3	25·4	25·0	25·7
	2	23·0	23·0	22·9	23·4	23·7	23·3	26·2	24·4	25·0	25·8	25·4	25·0
	3	22·0	21·4	21·4	—	—	—	—	—	—	—	—	—
	4	—	—	—	21·7	22·3	23·7	23·5	24·7	25·6	26·1	26·2	25·5
	5	22·8	23·3	23·1	23·8	24·1	24·9	25·1	25·6	26·3	26·8	27·1	26·9
	6	22·1	20·4	20·2	23·0	22·2	24·3	25·7	25·5	26·9	26·1	26·2	27·0
	7	—	24·2	21·7	22·3	22·3	22·0	22·1	23·2	23·6	23·9	24·2	24·1
	8	23·8	23·8	23·4	23·5	24·0	24·0	23·9	24·3	24·6	24·9	25·3	25·9
	9	21·4	22·2	22·1	21·8	22·4	22·9	23·3	23·1	24·5	24·5	25·1	25·2
	10	22·0	22·0	21·7	—	—	—	—	—	—	—	—	—
	11	—	—	—	21·3	21·2	21·2	21·0	21·1	22·8	24·0	23·4	24·6
	12	19·1	19·1	19·6	20·1	21·7	22·8	21·8	21·5	22·1	21·6	21·7	22·1
	13	21·1	21·3	20·1	20·7	21·5	22·8	22·9	23·4	23·9	24·0	24·0	24·3
	14	18·6	19·9	19·4	19·6	20·3	21·6	20·3	20·8	21·2	21·5	22·1	21·7
	15	17·7	16·8	16·8	19·1	20·6	21·5	22·5	22·1	22·2	22·5	22·8	24·2
	16	18·4	17·9	18·5	19·4	20·4	20·7	20·9	21·1	21·8	22·1	22·1	23·1
	17	20·2	19·8	20·1	—	—	—	—	—	—	—	—	—
	18	—	—	—	21·0	22·0	22·4	23·1	23·2	24·3	23·7	23·8	24·6
	19	21·9	22·1	21·3	22·1	23·9	24·4	25·9	25·0	25·2	25·1	25·2	27·1
	20	18·8	12·4	17·6	17·8	19·3	22·2	22·0	21·9	22·6	23·1	24·1	22·5
	21	20·3	22·6	20·6	20·8	22·2	22·9	22·3	22·3	22·2	23·4	23·5	23·9
	22	19·9	19·9	19·7	20·0	20·2	19·9	19·9	20·1	20·7	21·4	21·2	21·6
	23	20·0	22·5	22·6	21·8	23·0	22·9	28·1	28·0	24·5	26·0	25·8	23·8
	24	13·9	17·5	18·3	—	—	—	—	—	—	—	—	—
	25	—	—	—	22·1	23·1	23·2	23·3	23·4	24·2	25·3	25·7	25·6
	26	22·4	21·9	22·2	22·7	23·4	25·0	24·2	23·2	24·3	25·0	25·0	25·1
	27	21·7	22·1	22·5	23·6	23·0	24·1	24·6	28·7	25·9	25·7	27·4	28·7
	28	22·5	23·0	23·8	23·7	23·0	24·0	24·8	25·4	25·2	25·4	24·8	25·2
	29	22·8	22·3	22·0	22·4	23·2	23·6	24·3	24·7	25·2	25·7	25·8	27·6
	30	22·4	22·5	22·3	22·3	22·6	22·8	22·9	22·9	22·1	23·2	23·1	23·1
	31 ^a	19·8	20·1	19·9	—	—	—	—	—	—	—	—	—
Hourly Means	20·83	21·01	21·00	21·65	22·27	22·95	23·43	23·64	23·93	24·32	24·46	24·77	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JULY.	1	47·0	..	46·5	..	46·0	..	44·5	..	43·8	..	43·0	..
	2	46·0	..	45·2	..	44·5	..	44·0	..	44·0	..	44·0	..
	3	51·0	..	50·4	..	—	..	—	..	—	..	—	..
	4	—	..	—	..	47·0	..	46·0	..	45·0	..	44·0	..
	5	46·8	..	45·7	..	44·0	..	43·0	..	41·4	..	40·4	..
	6	44·8	..	44·0	..	42·4	..	41·0	..	39·8	..	39·0	..
	7	—	..	44·5	..	44·0	..	44·5	..	43·2	..	43·0	..
	8	44·2	..	43·5	..	43·5	..	43·0	..	43·0	..	43·0	..
	9	48·5	..	47·0	..	47·0	..	46·0	..	45·0	..	45·0	..
	10	50·0	..	50·0	..	—	..	—	..	—	..	—	..
	11	—	..	—	..	51·2	..	50·2	..	49·0	..	48·0	..
	12	50·4	..	49·2	..	48·5	..	48·0	..	46·0	..	46·0	..
	13	48·0	..	47·0	..	46·5	..	44·8	..	44·5	..	44·5	..
	14	52·2	..	51·8	..	51·2	..	50·4	..	49·6	..	49·0	..
	15	49·2	..	48·0	..	46·8	..	45·2	..	44·0	..	44·0	..
	16	51·5	..	50·5	..	49·5	..	49·0	..	48·5	..	48·0	..
	17	52·2	..	50·2	..	—	..	—	..	—	..	—	..
	18	—	..	—	..	51·0	..	49·8	..	48·0	..	47·8	..
	19	49·0	..	47·5	..	47·0	..	46·0	..	45·5	..	45·0	..
	20	45·8	..	47·5	..	45·0	..	43·2	..	42·8	..	42·0	..
	21	47·0	..	46·2	..	46·0	..	44·0	..	43·0	..	43·5	..
	22	50·2	..	50·2	..	50·0	..	50·0	..	48·4	..	48·0	..
	23	45·8	..	44·5	..	43·8	..	42·2	..	41·6	..	41·0	..
	24	47·4	..	48·0	..	—	..	—	..	—	..	—	..
	25	—	..	—	..	44·8	..	44·5	..	43·0	..	42·4	..
	26	43·5	..	43·8	..	45·0	..	43·8	..	43·0	..	43·0	..
	27	46·2	..	45·0	..	44·0	..	42·0	..	42·0	..	40·5	..
	28	44·0	..	43·0	..	43·8	..	43·0	..	43·0	..	42·6	..
	29	46·5	..	45·8	..	44·8	..	44·0	..	43·0	..	42·5	..
	30	46·4	..	46·2	..	47·0	..	46·0	..	46·0	..	46·0	..
	31 ^a	—	..	—	..	—	..	—	..	—	..	—	..
Hourly Means	47·74	..	46·97	..	46·32	..	45·31	..	44·47	..	44·05	..	

^a Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 24.7	Sc. Div. 22.8	Sc. Div. 21.3	Sc. Div. 19.4	Sc. Div. 20.5	Sc. Div. 20.4	Sc. Div. 21.3	Sc. Div. 22.2	Sc. Div. 22.2	Sc. Div. 21.2	Sc. Div. 22.1	Sc. Div. 23.6	Sc. Div. 22.89
24.5	23.3	20.0	18.8	18.8	20.1	20.6	21.0	20.6	19.3	20.1	21.4	22.48
—	—	—	—	—	—	—	—	—	—	—	—	22.99
25.4	23.3	21.9	21.8	20.9	20.9	20.9	22.2	21.9	21.7	23.6	23.1	23.22
27.9	26.1	22.7	22.5	22.0	18.3	19.2	19.0	17.2	18.7	21.5	22.3	23.06
27.7	26.9	24.7	23.8	21.4	17.0	17.9	18.5	20.6	22.6	21.4	21.3	23.16
25.3	25.1	23.4	22.3	21.6	21.0	22.5	23.2	23.7	23.7	23.8	23.6	22.80
26.1	24.3	22.4 ^b	19.6	18.0	18.5	19.7	20.6	21.0	21.4	21.8	21.9	22.38
25.3	23.8	21.3	19.8	19.6	20.1	20.3	21.5	21.7	21.5	21.6	22.1	20.58
—	—	—	—	—	—	—	—	—	—	—	—	20.61
22.4	21.8	19.3	17.5	17.0	19.9	17.5	16.4	19.3	19.5	19.5	17.6	21.04
22.4	21.1	19.6	19.5	18.9	17.8	19.5	19.8	19.4	21.0	21.7	20.7	18.85
24.5	23.2	21.0	18.8	18.4	17.9	18.2	17.3	18.3	18.5	19.4	19.4	19.64
20.5	20.5	18.2	15.6	14.5	14.4	15.2	16.8	17.7	16.9	17.4	17.7	20.08
23.3	21.2	17.8	17.4	17.5	17.3	17.3	17.6	18.0	18.0	18.2	18.9	22.27
23.6	22.3	20.3	19.1	18.5	17.6	18.3	18.5	18.6	19.0	19.7	20.0	22.13
—	—	—	—	—	—	—	—	—	—	—	—	20.48
24.6	24.2	23.8	20.7	19.6	20.1	21.5	22.2	22.6	22.4	22.1	22.4	20.54
24.2	21.9	22.9	18.7	15.4	21.3	21.1	17.5	19.3	20.8	20.7	18.2	19.82
22.7	21.4	21.1	19.3	19.9	20.5	20.9	21.0	20.6	21.0	20.9	17.9	21.67
23.8	23.3	23.5	18.4	13.9	15.2	18.6	16.7	19.3	19.8	14.1	19.3	22.95
21.7	19.2	18.3	18.8	18.8	18.7	18.7	21.6	17.6	15.3	20.5	22.1	22.87
24.4	23.8	22.4	20.4	19.8	19.7	18.7	17.0	19.1	17.5	13.9	14.4	24.26
—	—	—	—	—	—	—	—	—	—	—	—	23.44
26.3	26.3	25.4	22.9	21.3	22.1	23.8	23.1	23.4	23.8	23.7	23.2	23.10
24.3	25.3	23.9	21.5	19.7	19.7	21.1	21.4	20.4	22.2	22.6	22.4	21.33
28.1	26.6	23.6	22.2	22.2	21.4	22.4	24.1	23.6	22.9	23.6	23.6	—
25.6	25.4	24.3	22.8	22.3	21.8	21.5	21.8	21.4	20.9	21.6	22.4	—
25.0	24.7	22.0	19.2	20.2	20.5	21.9	22.1	22.2	22.4	22.3	22.3	—
23.2	22.0	20.5	19.2	19.4	18.9	19.2	19.7	19.6	19.3	19.2	19.6	—
—	—	—	—	—	—	—	—	—	—	—	—	—
24.52	23.45	21.73	20.00	19.23	19.27	19.92	20.11	20.36	20.43	20.65	20.82	21.87

TEMPERATURE OF THE BIFILAR MAGNET.

43.0	..	45.0	..	47.0	..	48.0	..	47.5	..	47.5	..	45.73
45.0	..	46.2	..	50.5	..	51.8	..	52.0	..	51.5	..	47.06
—	..	—	..	—	..	—	..	—	..	—	..	47.34
43.5	..	45.2	..	48.0	..	50.0	..	50.0	..	48.0	..	44.25
40.0	..	43.0	..	46.0	..	47.2	..	47.5	..	46.0	..	43.12
40.5	..	41.6	..	44.5	..	46.6	..	47.2	..	46.0	..	43.88
43.0	..	43.2	..	43.5	..	44.0	..	44.8	..	45.0	..	45.96
43.0	..	— ^a	..	50.8	..	51.0	..	50.8	..	49.8	..	48.07
45.0	..	48.0	..	50.5	..	51.8	..	52.0	..	51.0	..	50.24
—	..	—	..	—	..	—	..	—	..	—	..	48.68
47.0	..	49.0	..	52.0	..	52.5	..	52.5	..	51.5	..	48.50
46.0	..	48.5	..	50.0	..	51.0	..	51.0	..	49.6	..	50.31
45.0	..	48.2	..	52.0	..	54.0	..	54.0	..	53.5	..	48.39
49.0	..	49.0	..	50.5	..	51.0	..	50.6	..	49.4	..	50.86
44.5	..	47.8	..	51.5	..	53.2	..	54.0	..	52.5	..	49.77
47.4	..	49.6	..	53.0	..	54.5	..	54.8	..	54.0	..	46.46
—	..	—	..	—	..	—	..	—	..	—	..	45.00
46.5	..	47.5	..	51.0	..	52.5	..	51.0	..	49.8	..	46.54
45.0	..	45.0	..	46.0	..	47.5	..	47.2	..	46.8	..	48.33
42.0	..	43.0	..	46.0	..	47.2	..	48.0	..	47.5	..	43.99
44.6	..	46.0	..	48.0	..	50.0	..	50.1	..	50.1	..	43.44
45.0	..	45.5	..	47.2	..	49.0	..	49.0	..	47.5	..	46.26
41.0	..	43.0	..	44.6	..	46.2	..	47.0	..	47.2	..	43.11
—	..	—	..	—	..	—	..	—	..	—	..	44.70
42.2	..	42.5	..	43.5	..	44.2	..	44.8	..	44.0	..	45.31
43.0	..	45.8	..	48.2	..	49.0	..	49.0	..	48.0	..	49.23
39.0	..	41.0	..	44.0	..	44.6	..	44.6	..	44.4	..	—
42.8	..	43.0	..	46.0	..	48.0	..	49.2	..	48.0	..	—
41.8	..	44.2	..	47.4	..	48.5	..	48.0	..	47.2	..	—
46.2	..	49.5	..	53.5	..	54.5	..	55.0	..	54.5	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
43.88	..	45.61	..	48.28	..	49.53	..	49.68	..	48.86	..	46.72

^b Omitted in the means ; temperature not recorded.

HORIZONTAL FORCE.													
One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah ^t . = .000234.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
AUGUST.	1 ^a	—	—	—	23·6	24·1	24·3	24·5	24·8	25·2	26·1	25·6	26·0
	2	34·4	39·3	35·4	36·3	36·6	37·3	38·3	38·6	39·8	41·1	41·1	40·0
	3	34·5	31·1	32·0	33·2	40·6	35·6	35·4	36·0	36·2	36·0	36·9	38·5
	4	—	37·5	39·8	38·2	39·5	39·2	39·6	40·3	39·6	39·5	40·2	41·3
	5	39·1	39·1	39·9	39·1	39·7	39·8	39·9	39·8	39·9	46·2	44·4	42·7
	6	35·8	35·9	35·4	31·3	35·9	37·7	34·9	39·3	37·2	34·4	38·8	34·2
	7	35·0	34·5	35·7	—	—	—	—	—	—	—	—	—
	8	—	—	—	39·9	37·6	38·0	37·3	38·6	38·6	39·5	40·9	41·0
	9	37·7	37·7	38·4	38·4	39·0	39·7	39·8	40·5	40·4	40·9	41·4	41·1
	10	37·8	38·2	38·5	38·6	39·1	39·0	39·0	39·1	39·7	40·1	40·4	41·1
	11	36·5	36·8	37·1	36·9	37·2	38·6	38·0	38·5	38·9	39·5	40·4	41·7
	12	33·4	34·6	35·7	35·0	38·1	38·7	39·1	39·3	39·9	40·3	40·4	40·4
	13	37·4	37·3	37·6	37·3	37·3	37·5	37·3	39·4	38·3	38·7	39·0	39·3
	14	41·0	40·8	40·7	—	—	—	—	—	—	—	—	—
	15	—	—	—	39·1	36·8	36·4	39·0	38·5	—	38·0	37·3	38·2
	16	35·8	34·9	36·8	36·8	36·3	39·3	39·0	37·5	37·4	38·1	38·1	37·6
	17	35·0	36·0	35·6	36·5	36·5	36·5	36·5	36·6	37·4	38·3	38·4	38·4
	18	33·0	33·6	34·7	35·8	35·9	35·8	36·5	37·2	37·6	37·3	36·9	36·5
	19	37·7	38·9	37·6	38·1	38·0	38·3	38·7	39·0	38·9	39·2	39·0	37·9
	20	35·2	35·5	35·9	35·5	35·7	36·3	36·2	36·6	37·1	37·5	38·0	38·2
	21	33·9	33·3	34·3	—	—	—	—	—	—	—	—	—
	22	—	—	—	35·1	34·7	35·1	35·4	36·1	35·9	36·8	37·6	37·0
	23	32·1	32·5	33·9	33·9	34·6	35·1	36·8	36·2	36·8	36·9	37·7	33·0
	24	32·2	33·0	37·0	35·3	35·1	—	37·5	37·3	38·0	38·7	38·8	39·2
	25	37·1	37·8	37·4	37·7	37·8	38·1	39·2	39·6	40·1	41·1	41·8	43·0
	26	35·7	33·8	33·9	34·8	35·4	36·3	37·1	36·5	37·1	38·0	40·4	36·4
	27	31·5	31·4	32·2	32·6	32·8	36·7	35·5	35·8	36·6	37·9	37·0	37·3
	28	32·5	35·0	36·4	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	35·1	35·5	35·4	36·0	35·8	36·9	33·4	36·0
	30	35·5	35·4	35·1	35·1	36·4	36·0	36·2	36·2	36·7	37·0	37·4	37·8
	31 ^a	33·7	34·0	34·4	34·6	35·5	36·5	36·7	37·8	38·2	38·6	39·1	37·0
Hourly Means	35·41	35·76	36·28	36·27	36·87	37·35	37·50	37·94	38·08	38·72	39·03	38·71	

TEMPERATURE OF THE BIFILAR MAGNET.												
AUGUST.	1 ^a	—	—	—	—	45·4	—	44·0	—	44·0	—	43·0
	2	49·0	..	47·0	..	46·0	..	46·0	..	45·0	..	44·0
	3	50·0	..	50·0	..	50·2	..	49·0	..	48·2	..	48·0
	4	—	..	45·2	..	44·8	..	43·5	..	43·0	..	42·0
	5	44·2	..	44·4	..	44·2	..	43·8	..	43·0	..	44·5
	6	46·2	..	46·0	..	46·5	..	45·2	..	46·0	..	46·0
	7	46·5	..	46·0	..	—	..	—	..	—	..	—
	8	—	..	—	..	46·0	..	45·0	..	43·5	..	43·0
	9	46·6	..	45·5	..	44·5	..	43·8	..	43·2	..	42·6
	10	47·2	..	47·0	..	46·7	..	46·4	..	46·0	..	45·0
	11	51·6	..	50·4	..	50·0	..	49·0	..	47·0	..	46·2
	12	52·2	..	51·0	..	49·2	..	47·8	..	47·0	..	46·0
	13	51·2	..	51·5	..	51·0	..	50·0	..	49·5	..	49·0
	14	47·4	..	46·6	..	—	..	—	..	—	..	—
	15	—	..	—	..	44·5	..	44·8	..	—	..	46·0
	16	49·8	..	49·0	..	49·8	..	49·0	..	47·0	..	46·5
	17	51·6	..	50·6	..	50·8	..	49·2	..	47·8	..	47·0
	18	53·2	..	52·0	..	51·0	..	49·8	..	49·6	..	49·6
	19	49·0	..	48·2	..	48·6	..	48·0	..	48·0	..	47·8
	20	55·5	..	54·2	..	54·6	..	52·8	..	51·8	..	51·0
	21	57·0	..	55·5	..	—	..	—	..	—	..	—
	22	—	..	—	..	55·4	..	55·4	..	54·8	..	55·0
	23	55·2	..	54·2	..	54·0	..	52·0	..	51·8	..	51·2
	24	53·0	..	54·0	..	51·0	..	49·0	..	48·0	..	48·0
	25	52·2	..	51·5	..	50·0	..	48·5	..	47·5	..	46·0
	26	51·0	..	51·0	..	50·8	..	49·2	..	48·0	..	47·2
	27	55·2	..	54·0	..	53·5	..	50·8	..	49·0	..	48·0
	28	50·2	..	49·4	..	—	..	—	..	—	..	—
	29	—	..	—	..	51·0	..	51·0	..	50·2	..	50·5
	30	55·8	..	55·0	..	53·0	..	52·5	..	51·2	..	51·0
	31	56·2	..	55·0	..	54·4	..	52·8	..	52·0	..	50·8
Hourly Means	50·87	..	49·93	..	49·48	..	48·46	..	49·42	..	47·24	..

^a Observations of 1st and 31st omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
26·0	—	24·4	—	—	—	36·6	35·3	35·9	36·9	37·4	35·4	} 37·12
39·6	38·5	35·8	35·6	33·1	35·5	35·2	35·8	37·1	36·4	34·8	35·2	
36·4	35·7	36·3	36·5	36·8	36·2	35·4	28·8	32·5	33·6	34·0	38·6	} 35·28
41·3	39·8	38·3	37·6	37·8	38·9	39·7	39·9	40·0	38·6	37·7	39·6	
42·2	39·6	37·0	37·0	35·1	36·5	35·5	35·3	33·6	32·0	32·0	34·3	} 39·30
29·5	30·0	24·5	29·0	34·6	35·1	34·6	33·2	35·5	33·4	31·7	32·4	
—	—	—	—	—	—	—	—	—	—	—	—	} 37·77
41·4	40·4	38·6	37·5	36·2	36·0	34·6	35·6	37·0	37·2	37·7	37·7	
40·4	40·7	39·2	38·0	37·8	37·4	37·5	38·0	37·5	37·4	37·1	37·7	} 38·90
41·0	39·3	37·3	34·9	32·7	34·1	34·7	34·7	35·1	35·2	36·0	36·4	
41·4	37·0	35·5	32·3	31·2	30·7	33·4	34·8	29·6	30·0	26·3	34·8	} 37·58
40·5	38·0	35·7	34·0	33·7	35·3	36·5	37·0	38·1	37·6	37·6	37·9	
39·3	39·0	38·0	36·5	35·7	37·1	37·8	39·1	40·1	40·9	39·8	40·2	} 37·41
—	—	—	—	—	—	—	—	—	—	—	—	
38·6	37·8	36·9	35·3	33·3	35·2	33·5	37·2	37·2	36·7	36·6	36·4	} 35·34
38·3	36·4	34·4	33·8	32·3	29·3	35·3	32·1	30·5	32·7	33·3	32·3	
38·4	37·8	36·5	34·5	32·9	34·2	34·3	32·7	33·2	33·0	35·0	34·2	} 35·77
36·3	35·6	34·4	33·6	33·8	34·6	35·1	35·1	35·5	36·5	36·7	37·1	
38·7	36·3	34·3	32·6	31·6	32·9	33·5	34·1	34·4	34·5	34·4	34·9	} 35·63
37·3	34·9	32·0	30·5	30·9	32·0	32·5	32·9	33·0	33·5	34·7	35·3	
—	—	—	—	—	—	—	—	—	—	—	—	} 36·40
35·9	36·2	34·3	33·4	28·6	29·7	32·0	31·9	36·8	30·2	32·9	34·6	
34·3	33·6	28·9	30·0	29·7	30·7	28·7	29·4	27·9	31·0	33·4	37·5	} 34·24
39·0	37·0	35·1	33·5	33·5	34·2	35·4	36·6	35·7	36·9	36·8	37·3	
42·2	40·0	37·3	36·1	34·9	36·5	36·7	36·3	36·7	37·0	36·4	35·6	} 33·11
34·5	33·5	32·0	32·6	27·9	28·8	29·1	29·1	28·8	30·3	32·6	34·0	
38·0	34·9	37·2	37·5	37·0	36·0	33·9	35·7	34·2	34·0	36·0	39·1	} 36·22
—	—	—	—	—	—	—	—	—	—	—	—	
34·2	33·2	31·5	30·0	33·6	33·1	33·5	32·7	30·3	31·7	33·9	34·8	} 38·18
37·1	—	32·3	31·3	31·0	32·3	31·4	31·3	31·7	31·3	31·6	30·0	
33·8	36·3	34·2	—	—	55·3	55·9	54·5	53·2	50·1	50·3	51·6	} 33·93
—	—	—	—	—	—	—	—	—	—	—	—	
38·23	36·88	34·93	34·14	33·43	34·09	34·39	34·37	34·48	34·46	34·76	35·92	36·16

TEMPERATURE OF THE BIFILAR MAGNET.

43·0	..	45·0	..	—	..	52·2	..	53·0	..	50·8	..	} 47·36
44·2	..	46·0	..	49·5	..	50·0	..	50·0	..	51·6	..	
47·4	..	48·0	..	49·0	..	50·0	..	49·0	..	48·0	..	} 48·90
42·0	..	43·0	..	45·0	..	45·0	..	45·0	..	44·0	..	
43·6	..	44·0	..	45·0	..	46·0	..	46·8	..	46·4	..	} 43·86
47·0	..	47·8	..	48·0	..	48·4	..	48·0	..	47·0	..	
—	..	—	..	—	..	—	..	—	..	—	..	} 44·66
42·5	..	45·8	..	48·8	..	49·0	..	49·0	..	48·0	..	
43·0	..	43·5	..	44·8	..	47·2	..	48·0	..	47·5	..	} 46·19
47·0	..	49·8	..	53·0	..	55·0	..	55·5	..	53·3	..	
46·0	..	50·0	..	52·0	..	55·0	..	55·0	..	52·2	..	} 45·02
47·0	..	49·5	..	51·0	..	51·5	..	50·0	..	51·8	..	
48·0	..	48·5	..	49·5	..	49·8	..	49·5	..	48·0	..	} 49·32
—	..	—	..	—	..	—	..	—	..	—	..	
47·0	..	48·5	..	48·5	..	49·5	..	50·6	..	50·0	..	} 50·37
46·0	..	50·5	..	53·2	..	54·8	..	54·0	..	53·0	..	
48·0	..	51·2	..	53·6	..	55·0	..	57·0	..	54·8	..	} 49·50
49·4	..	51·5	..	52·5	..	52·8	..	53·4	..	51·0	..	
50·0	..	55·0	..	58·0	..	58·6	..	58·0	..	56·8	..	} 49·54
53·0	..	57·0	..	59·0	..	60·0	..	59·8	..	59·0	..	
—	..	—	..	—	..	—	..	—	..	—	..	} 47·58
54·1	..	55·0	..	58·0	..	59·0	..	59·0	..	56·7	..	
54·0	..	57·0	..	57·5	..	59·0	..	56·5	..	55·0	..	} 50·22
49·0	..	52·2	..	54·2	..	55·2	..	55·0	..	53·5	..	
46·5	..	49·8	..	51·4	..	52·0	..	52·2	..	52·0	..	} 51·38
48·0	..	53·2	..	56·8	..	57·8	..	58·0	..	56·8	..	
48·0	..	50·5	..	53·5	..	52·0	..	53·0	..	52·0	..	} 51·32
—	..	—	..	—	..	—	..	—	..	—	..	
51·2	..	52·8	..	55·0	..	56·6	..	57·4	..	56·0	..	} 52·17
52·4	..	57·0	..	59·0	..	60·0	..	60·0	..	58·0	..	
51·5	..	53·2	..	—	..	—	..	58·8	..	57·0	..	} 49·78
—	..	—	..	—	..	—	..	—	..	—	..	
47·80	..	50·28	..	52·23	..	53·17	..	53·19	..	52·10	..	50·21

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
SEPTEMBER.	1	55.0	56.9	55.5	57.1	57.9	58.4	58.3	58.8	59.5	60.2	60.2	59.4
	2	55.7	57.4	59.0	56.3	58.0	58.6	58.4	58.4	59.0	58.6	59.2	58.6
	3	59.3	61.9	60.5	60.9	61.6	60.9	62.0	61.1	62.4	63.6	64.5	62.9
	4	60.0	59.8	60.9	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	62.3	61.9	62.2	63.1	63.6	64.6	64.6	64.3
	6	61.2	60.9	60.9	60.6	60.8	61.3	62.1	62.1	62.7	63.2	63.5	63.2
	7	61.2	61.0	61.5	61.0	61.5	62.1	62.7	63.7	64.3	64.8	65.8	65.6
	8	60.5	61.2	61.8	61.2	62.1	62.5	63.5	64.0	64.9	65.7	66.0	64.9
	9	60.0	61.4	61.5	61.3	61.6	62.3	63.8	63.8	64.7	64.9	65.0	64.3
	10	59.1	59.5	59.6	59.5	59.7	60.1	59.9	60.9	61.5	61.9	62.1	61.0
	11	61.2	61.6	60.9 ^a	—	—	—	—	—	—	—	—	—
	12	—	—	—	67.1	66.3	65.9	65.8	64.6	64.8	66.1	66.2	66.3
	13	52.8	58.0	61.4	61.5	66.0	63.2	62.8	61.8	62.1	63.4	62.0	61.7
	14	56.1	55.4	58.0	59.2	59.4	60.8	61.3	61.2	61.6	61.3	62.7	62.7
	15	59.6	59.8	59.2	58.9	59.0	59.7	60.0	60.4	60.0	60.0	60.2	59.1
	16	59.2	60.0	59.0	59.2	59.6	60.3	61.1	61.5	63.3	64.1	64.1	63.3
	17	59.1	59.7	60.4	59.6	60.9	61.4	62.2	63.8	—	63.5	63.9	61.9
	18	59.5	59.8	59.9	—	—	—	—	—	—	—	—	—
	19	—	—	—	61.5	61.0	61.4	61.8	61.5	61.3	60.1	61.3	61.0
	20	57.4	58.6	59.5	62.4	60.7	60.7	62.1	61.7	62.6	63.0	63.8	61.1
	21	58.0	58.6	59.9	60.6	59.3	60.2	60.1	60.3	60.9	61.7	61.7	60.6
	22	59.0	58.9	59.4	59.3	62.4	62.1	61.0	59.8	61.5	62.1	59.9	61.4
	23	58.2	58.6	59.1	58.7	59.0	59.5	59.8	60.2	60.8	61.2	61.5	—
	24	60.4	60.1	60.2	60.1	60.4 ^c	59.4	63.7	62.5	59.6	58.1	59.7	56.9
	25	46.8	42.0	24.7	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	54.7	52.2	53.9	53.1	53.7	56.5	53.5	51.4
	27	48.2	51.1	54.3	51.3	52.8	52.2	50.2	52.8	53.2	53.5	54.4	55.0
	28	59.1	49.1	49.0	50.6	54.1	54.0	55.1	55.5	55.5	55.2	55.1	52.5
	29	51.5	52.3	53.6	57.3	53.9	51.5	52.0	53.3	54.8	55.2	54.3	50.6
	30 ^b	52.5	52.1	53.3	53.5	55.9	55.9	56.1	55.7	56.3	56.1	55.1	—
	Hourly Means	57.97	58.40	58.87	59.35	59.77	59.72	60.09	60.31	60.81	61.43	61.48	60.56
TEMPERATURE OF THE BIFILAR MAGNET.													
SEPTEMBER.	1	55.8	..	55.2	..	53.4	..	51.5	..	50.0	..	48.5	..
	2	56.2	..	55.0	..	55.0	..	54.0	..	53.4	..	53.2	..
	3	51.5	..	49.8	..	50.0	..	47.5	..	46.4	..	46.0	..
	4	51.5	..	51.0	..	—	..	—	..	—	..	—	..
	5	—	..	—	..	48.2	..	48.1	..	47.4	..	47.0	..
	6	52.0	..	51.0	..	51.0	..	50.0	..	49.2	..	49.0	..
	7	51.0	..	50.0	..	49.6	..	47.8	..	46.0	..	44.5	..
	8	52.0	..	50.2	..	48.0	..	46.5	..	45.4	..	44.2	..
	9	51.6	..	50.2	..	49.8	..	47.8	..	46.5	..	45.0	..
	10	55.6	..	55.0	..	54.0	..	53.0	..	52.0	..	51.5	..
	11	50.5	..	—	..	—	..	—	..	—	..	—	..
	12	—	..	—	..	45.0	..	44.0	..	43.0	..	42.5	..
	13	45.0	..	45.0	..	45.0	..	43.0	..	43.0	..	42.8	..
	14	49.0	..	48.0	..	49.0	..	46.0	..	43.5	..	44.0	..
	15	52.0	..	51.5	..	52.0	..	50.2	..	50.5	..	50.2	..
	16	53.0	..	52.0	..	51.0	..	49.6	..	48.0	..	47.0	..
	17	53.0	..	51.5	..	50.0	..	48.0	..	—	..	46.8	..
	18	53.8	..	53.5	..	—	..	—	..	—	..	—	..
	19	—	..	—	..	50.8	..	50.0	..	49.8	..	49.5	..
	20	55.0	..	52.0	..	51.5	..	49.5	..	48.0	..	47.0	..
	21	56.5	..	54.8	..	54.0	..	52.2	..	50.6	..	51.0	..
	22	54.5	..	53.0	..	52.0	..	51.0	..	50.5	..	51.2	..
	23	57.7	..	57.0	..	56.0	..	55.0	..	53.5	..	52.2	..
	24	57.0	..	56.0	..	55.0 ^a	..	53.2	..	55.0	..	54.0	..
	25	58.0	..	58.0	..	—	..	—	..	—	..	—	..
	26	—	..	—	..	55.0	..	54.2	..	54.0	..	53.8	..
	27	61.5	..	60.0	..	56.0	..	56.8	..	55.5	..	56.0	..
	28	64.0	..	63.0	..	61.0	..	58.0	..	57.8	..	57.5	..
	29	61.8	..	59.8	..	58.5	..	58.5	..	57.0	..	56.4	..
	30 ^b	60.2	..	58.5	..	58.0	..	56.0	..	55.0	..	55.0	..
	Hourly Means	54.23	..	53.22	..	51.91	..	50.51	..	49.61	..	49.03	..

^a Omitted in the means; temperature not recorded.

^b Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = 000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
59.4	57.9	56.5	54.1	55.6	54.8	55.2	53.0	56.5	56.4	57.6	57.1	57.14
58.4	56.5	54.9	53.8	56.3	56.8	55.5	56.3	56.2	58.9	—	58.4	57.36
61.9	61.8	61.3	61.3	61.5	60.5	61.5	61.0	61.7	60.8	59.8	60.2	61.45
—	—	—	—	—	—	—	—	—	—	—	—	61.00
63.0	61.1	58.5	56.8	58.3	58.5	59.0	60.0	59.4	59.8	60.5	60.9	60.97
63.4	62.0	60.3	58.5	59.1	59.1	59.1	59.4	59.7	59.8	59.5	61.0	61.42
65.0	63.2	61.1	60.0	58.3	59.1	58.0	58.0	58.0	59.0	59.7	59.6	61.69
64.3	62.8	60.7	59.5	59.3	59.3	59.4	59.0	58.9	59.4	59.9	59.7	61.40
63.2	62.3	60.3	59.2	58.3	59.0	59.1	59.4	59.5	59.5	59.7	59.5	59.42
59.7	58.0	56.8	56.7	56.6	57.8	57.7	58.1	58.5	59.9	60.2	61.2	64.01
—	—	—	—	—	—	—	—	—	—	—	—	60.13
65.7	63.9	62.9	62.0	64.3	66.7	64.8	63.7	63.6	61.8	60.6	56.3	59.43
63.0	62.8	63.1	62.3	62.6	59.8	58.6	56.3	53.4	54.1	56.5	54.0	58.09
61.5	60.0	58.7	58.6	56.2	59.0	58.3	58.4	58.5	58.6	59.5	59.4	58.46
57.8	55.1	53.8	54.0	54.6	55.2	56.8	57.1	56.7	57.5	59.5	60.2	60.06
60.1	57.0	54.6	53.3	52.5	53.9	54.4	55.5	54.3	55.7	57.9	59.2	58.55
59.7	59.0	59.5	58.9	59.0	59.5	58.5	58.2	58.0	58.5	57.5	58.7	58.84
—	—	—	—	—	—	—	—	—	—	—	—	58.72
60.0	58.3	55.7	54.5	54.5	55.6	55.0	55.6	55.3	56.0	57.4	57.1	59.68
59.2	55.2	53.3	53.9	55.5	56.2	57.3	57.1	57.2	57.9	57.9	58.0	59.26
58.5	56.6	55.2	55.0	56.1	57.5	57.9	57.5	57.5	58.0	58.7	59.0	53.25
60.8	60.7	59.7	59.6	59.7	58.4	57.5	57.7	57.5	57.2	58.4	58.4	48.74
60.5	58.9	58.1	57.9	57.4	57.8	59.0	59.0	59.3	59.4	58.9	60.3	50.98
51.9	48.9	46.4	43.5	45.5	44.8	47.6	50.6	49.5	45.0	41.1	42.2	52.02
—	—	—	—	—	—	—	—	—	—	—	—	52.89
51.4	47.6	48.2	47.6	50.3	46.1	48.5	46.7	48.5	46.4	46.6	50.7	—
51.1	50.5	49.6	49.2	50.5	48.4	46.9	46.4	49.9	49.2	51.2	51.7	—
51.5	50.5	49.8	51.8	52.0	52.5	51.5	46.9	48.5	48.2	51.3	49.2	—
52.6	52.2	53.0	52.8	51.0	53.0	53.0	52.2	52.5	52.1	52.2	52.4	—
—	52.8	—	—	48.7	49.8	50.0	50.2	49.8	50.0	50.8	49.5	—
59.65	58.08	56.90	56.30	56.64	56.85	56.77	56.35	56.63	56.84	57.43	57.59	58.63

TEMPERATURE OF THE BIFILAR MAGNET.

49.8	..	53.4	..	56.0	..	56.5	..	58.0	..	57.2	..	53.77
54.0	..	55.0	..	56.0	..	56.5	..	54.4	..	—	..	54.79
46.2	..	47.0	..	47.0	..	51.0	..	53.0	..	52.5	..	48.99
—	..	—	..	—	..	—	..	—	..	—	..	50.37
46.5	..	50.0	..	52.5	..	54.2	..	54.8	..	53.2	..	51.06
48.5	..	49.8	..	52.0	..	54.0	..	54.0	..	52.2	..	50.05
46.0	..	49.2	..	52.5	..	54.5	..	55.5	..	54.0	..	49.48
44.0	..	48.0	..	51.5	..	54.0	..	56.0	..	54.0	..	50.53
45.2	..	48.2	..	52.6	..	56.0	..	57.0	..	56.5	..	53.67
52.0	..	53.2	..	55.0	..	56.0	..	55.5	..	51.2	..	44.55
—	..	—	..	—	..	—	..	—	..	—	..	46.19
42.7	..	43.2	..	44.0	..	45.0	..	45.5	..	44.6	..	48.61
43.2	..	46.2	..	49.2	..	50.5	..	51.0	..	50.4	..	53.09
44.0	..	48.5	..	50.8	..	53.0	..	54.0	..	53.5	..	52.38
52.2	..	55.0	..	56.5	..	56.5	..	56.0	..	54.5	..	51.65
48.8	..	52.0	..	56.0	..	57.0	..	58.0	..	56.2	..	53.43
47.0	..	48.8	..	52.2	..	56.8	..	58.0	..	56.0	..	52.65
—	..	—	..	—	..	—	..	—	..	—	..	54.52
47.8	..	52.6	..	57.0	..	59.0	..	60.0	..	57.4	..	53.97
48.5	..	50.8	..	55.5	..	57.8	..	59.0	..	57.2	..	56.37
52.2	..	54.5	..	56.0	..	58.0	..	58.0	..	56.5	..	58.06
52.2	..	53.2	..	55.5	..	57.5	..	59.0	..	58.0	..	58.52
53.0	..	54.5	..	58.5	..	60.0	..	60.0	..	59.0	..	60.81
54.5	..	59.8	..	62.2	..	64.0	..	63.0	..	60.0	..	61.46
—	..	—	..	—	..	—	..	—	..	—	..	59.19
55.0	..	59.2	..	64.5	..	65.5	..	65.0	..	63.0	..	—
57.5	..	60.5	..	64.5	..	67.4	..	68.0	..	66.0	..	—
58.2	..	60.8	..	63.2	..	66.0	..	64.5	..	63.5	..	—
56.0	..	57.0	..	58.8	..	60.8	..	63.2	..	63.0	..	—
—	..	—	..	63.2	..	63.4	..	63.0	..	60.0	..	—
49.60	..	52.11	..	54.89	..	56.81	..	57.39	..	56.07	..	53.15

° Observations from 21^d 4^b to 25^d 2^b omitted in the hourly means, on account of a magnetic disturbance.

HORIZONTAL FORCE.													
One Scale Division = '000303 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 .	
	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	50.3	50.9	—	51.6	—	52.5	52.6	53.0	53.6	53.9	52.4	51.7
	2	54.9	52.7	52.7	—	—	—	—	—	—	—	—	—
	3	—	—	—	56.0	56.8	57.3	57.8	58.1	58.7	58.6	58.6	56.7
	4	56.4	56.1	57.7	56.3	57.0	57.5	59.8	60.0	58.0	59.1	58.4	57.4
	5	54.1	53.7	52.8	54.0	53.7	53.2	54.5	55.8	56.6	56.9	57.2	56.4
	6	49.3	48.3	49.1	48.0	50.0	50.0	—	51.3	51.3	50.5	49.4	47.6
	7	53.7	52.8	52.6	51.7	52.5	53.4	54.1	54.3	54.9	54.9	54.4	54.1
	8	54.0	54.2	55.8	55.6	56.1	60.7	62.3	55.0	49.9	50.7	54.9	50.2
	9	50.7	50.5	50.9	—	—	—	—	—	—	—	—	—
	10	—	—	—	51.0	53.0	54.2	54.6	55.1	55.3	55.4	54.3	52.5
	11	51.4	53.2	53.7 ^a	53.0	53.0	54.5	55.4	56.2	56.3	56.1	55.6	53.6
	12	53.7	53.2	53.0	54.6	54.2	54.8	54.6	55.0	55.5	—	54.1	52.6
	13	53.2	53.9	54.6	55.2	56.2	56.8	57.2	57.9	58.0	58.7	55.7	56.3
	14	52.8	53.2	54.2	54.6	54.8	55.7	56.7	57.2	57.5	57.9	56.8	54.8
	15	52.6	52.3	53.9	53.5	—	54.3	55.1	54.8	55.1	55.3	55.2	54.7
	16	49.3	49.6	50.0	—	—	—	—	—	—	—	—	—
	17	—	—	—	56.0	56.6	56.2	56.4	56.9	57.2	56.9	57.5	55.9
	18	51.8	51.3	57.0	55.3	54.2	58.2	59.9	55.9	56.2	56.3	57.1	56.8
	19	50.2	50.1	50.7	51.1	50.9	51.7	52.3	53.1	53.5	53.5	53.0	52.4
	20	48.3	49.9	49.3	50.5	50.4	52.9	54.1	51.8	51.5	51.5	51.8	50.5
	21	51.8	51.3	57.1	52.0	49.1	52.0	52.0	53.5	51.5	51.8	51.5	51.6
	22	55.1	55.9	55.4	55.7	56.1	56.7	57.7	58.0	58.6	58.7	57.9	56.8
	23	52.3	52.7	53.2	—	—	—	—	—	—	—	—	—
	24	—	—	—	54.2	55.0	54.8	55.2	56.0	56.7	56.6	56.9	56.1
	25	47.5	44.9	45.7	46.6	44.4	47.4	47.3	48.8	46.1	49.4	49.3	47.9
	26	57.2	51.7	—	49.3	—	52.8	51.8	52.7	51.7	50.8	51.3	51.2
	27	45.9	46.8	46.7	46.3	47.4	48.4	48.0	49.4	49.2	49.1	49.3	49.1
	28	49.1	55.2	51.4	49.0	49.5	51.2	52.9	52.7	53.4	54.0	54.0	52.8
	29	54.7	54.9	55.1	55.2	55.6	55.8	58.1	58.2	57.5	58.3	58.1	55.5
	30 ^b	53.5	54.2	54.1	—	—	—	—	—	—	—	—	—
	31 ^b	—	—	—	55.2	56.4	55.2	55.6	55.0	55.0	55.1	54.4	52.2
Hourly Means	52.01	51.97	52.68	52.65	53.02	54.12	55.02	54.83	54.55	54.77	54.59	53.41	

TEMPERATURE OF THE BIFILAR MAGNET.												
	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.
OCTOBER.	1	58.2	..	..	..	..	56.0	..	55.0	..	54.0	..
	2	58.0	..	56.5	..	—	—	..	—	..	—	..
	3	—	..	—	..	52.6	..	51.0	..	50.0	..	48.0
	4	52.0	..	50.8	..	50.0	..	48.0	..	47.0	..	46.8
	5	56.0	..	55.0	..	55.2	..	53.6	..	53.5	..	53.2
	6	63.0	..	62.5	..	61.5	..	—	..	58.0	..	58.0
	7	60.0	..	58.2	..	57.0	..	56.0	..	54.2	..	54.0
	8	53.5	..	52.0	..	50.8	..	50.0	..	50.6	..	50.2
	9	61.2	..	60.0	..	—	..	—	..	—	..	—
	10	—	..	—	..	55.0	..	54.0	..	52.2	..	51.5
	11	57.0	..	— ^a	..	54.0	..	52.5	..	51.0	..	50.0
	12	57.2	..	56.0	..	56.0	..	55.0	..	54.0	..	53.8
	13	58.0	..	55.5	..	53.4	..	51.0	..	49.8	..	49.0
	14	58.4	..	57.0	..	54.5	..	53.0	..	51.6	..	50.8
	15	59.5	..	57.5	..	—	..	54.8	..	53.0	..	53.0
	16	65.0	..	63.0	..	—	..	—	..	—	..	—
	17	—	..	—	..	52.0	..	51.2	..	51.0	..	50.8
	18	58.5	..	56.5	..	55.0	..	53.0	..	53.0	..	53.0
	19	65.0	..	63.0	..	62.0	..	59.0	..	59.0	..	59.0
	20	65.0	..	64.0	..	62.0	..	60.5	..	59.0	..	58.5
	21	57.0	..	56.0	..	56.0	..	55.5	..	55.0	..	55.0
	22	54.0	..	53.0	..	53.0	..	50.0	..	49.0	..	48.5
	23	61.0	..	59.0	..	..	..	—	..	—	..	—
	24	—	..	—	..	55.2	..	55.0	..	54.5	..	54.0
	25	59.2	..	58.2	..	58.0	..	56.0	..	54.0	..	53.5
	26	62.0	..	—	..	—	..	55.5	..	54.2	..	54.0
	27	66.2	..	65.2	..	65.0	..	62.5	..	61.0	..	60.5
	28	64.0	..	62.2	..	60.0	..	58.0	..	57.0	..	55.8
	29	57.0	..	55.0	..	56.0	..	53.0	..	52.0	..	52.0
	30 ^b	57.5	..	56.5	..	—	..	—	..	..	..	—
	31 ^b	—	..	—	..	56.0	..	56.0	..	56.0	..	56.0
Hourly Means	59.44	..	58.00	..	56.10	..	54.34	..	53.54	..	53.08	..

^a Omitted in the means ; temperature not recorded.

^b Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 50.0	Sc. Div. 49.8	Sc. Div. 49.0	Sc. Div. 49.0	Sc. Div. 51.0	Sc. Div. 50.6	Sc. Div. 50.6	Sc. Div. 52.2	Sc. Div. —	Sc. Div. 51.9	Sc. Div. 52.2	Sc. Div. 53.3	Sc. Div. 51.53
—	—	—	—	—	—	—	—	—	—	—	—	55.07
55.8	54.8	53.2	51.2	51.5	52.0	53.9	56.6	51.0	51.2	55.4	56.2	55.91
56.0	53.6	52.1	51.8	53.5	54.3	54.5	54.4	53.9	54.4	54.8	54.8	52.62
55.0	52.4	52.1	47.7	48.9	50.8	49.9	50.6	49.9	48.1	46.0	—	48.39
45.7	45.0	44.4	44.2	46.6	48.0	48.5	47.9	48.5	48.9	49.2	51.2	52.68
49.5	49.9	50.3	49.7	50.2	50.0	52.5	52.8	53.8	54.7	53.7	53.8	51.60
48.2	46.2	47.5	48.8	47.9	47.1	48.1	49.6	47.7	48.9	49.5	49.6	51.23
—	—	—	—	—	—	—	—	—	—	—	—	53.15
51.3	49.7	47.7	47.9	47.3	48.5	49.4	49.4	50.0	47.7	51.9	51.2	52.96
51.4	50.6	49.5	52.1	52.7	52.5	52.3	53.2	52.7	52.5	52.4	52.2	53.75
51.8	50.6	50.1	50.4	52.2	52.4	52.0	52.1	52.3	52.2	53.1	53.6	53.27
54.1	51.4	48.7	49.3	50.5	51.6	53.7	53.9	51.5	46.4	52.1	53.1	51.25
53.4	51.5	52.2	52.2	49.4	51.7	50.6	47.6	49.7	48.2	51.0	54.7	53.14
52.6	49.5	46.9	47.3	48.3	49.1	49.0	47.1	48.3	47.6	47.9	48.4	52.69
—	—	—	—	—	—	—	—	—	—	—	—	49.87
52.5	51.5	50.2	51.4	52.0	52.6	53.0	52.1	48.8	49.5	51.5	51.8	51.52
53.3	50.8	49.1	49.4	50.5	49.2	48.7	48.8	48.3	47.8	49.0	49.6	52.42
50.7	48.4	44.4	46.4	49.0	49.6	48.3	47.1	47.5	47.2	47.9	48.0	54.20
47.9	47.9	48.8	50.5	54.0	57.3	57.7	52.5	51.7	53.6	49.6	52.9	53.12
51.0	50.6	50.5	51.0	52.6	53.6	52.5	53.9	53.7	54.4	54.6	54.5	46.52
54.7	52.6	50.4	49.2	50.5	51.2	52.3	51.4	50.2	51.5	52.4	51.8	49.44
—	—	—	—	—	—	—	—	—	—	—	—	46.78
54.4	51.8	49.7	50.8	54.1	55.0	55.0	48.8	49.0	49.0	47.6	49.9	51.87
46.2	41.6	42.9	44.7	45.2	46.1	47.2	47.5	47.5	46.0	48.5	47.9	54.56
48.9	44.5	44.5	45.8	46.8	48.6	48.8	49.1	48.1	47.3	48.1	46.8	—
45.9	43.8	43.9	43.0	43.8	46.6	44.9	43.3	48.1	48.3	47.3	48.3	—
51.3	49.0	48.2	49.4	50.4	50.9	54.1	54.6	52.5	52.3	53.0	53.9	—
55.4	50.5	50.4	50.7	51.3	52.6	53.7	54.2	53.3	52.7	—	53.2	—
—	—	—	49.6	49.9	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	58.4	—	59.9	—
51.48	49.52	48.67	48.96	50.01	50.88	51.25	50.83	50.33	50.09	50.78	51.69	51.99

TEMPERATURE OF THE BIFILAR MAGNET.

54.8	..	58.5	..	60.2	..	60.0	..	—	..	59.5	..	57.36
—	..	—	..	—	..	—	..	—	..	—	..	52.78
50.5	..	50.0	..	53.0	..	55.0	..	55.0	..	53.8	..	50.86
48.0	..	51.0	..	52.5	..	54.0	..	54.0	..	56.2	..	58.24
55.0	..	59.0	..	62.4	..	65.0	..	66.0	..	65.0	..	63.15
63.0	..	66.5	..	67.0	..	66.6	..	66.0	..	62.5	..	56.88
56.2	..	58.8	..	59.5	..	57.5	..	56.8	..	54.4	..	55.13
51.0	..	56.0	..	60.0	..	62.0	..	63.5	..	62.0	..	57.45
—	..	—	..	—	..	—	..	—	..	—	..	50.35
54.0	..	58.0	..	60.2	..	62.0	..	61.8	..	59.5	..	56.82
53.0	..	54.0	..	56.0	..	58.6	..	59.6	..	58.5	..	55.73
53.8	..	55.0	..	58.0	..	61.0	..	62.0	..	60.0	..	56.42
51.8	..	56.2	..	59.0	..	62.0	..	62.5	..	60.6	..	55.05
51.5	..	54.0	..	59.5	..	61.8	..	63.4	..	61.5	..	57.56
55.5	..	59.5	..	64.0	..	67.0	..	69.2	..	67.6	..	59.22
—	..	—	..	—	..	—	..	—	..	—	..	63.42
53.0	..	57.0	..	61.0	..	62.2	..	63.0	..	61.5	..	59.67
55.8	..	59.2	..	63.2	..	67.0	..	69.0	..	67.5	..	55.96
60.6	..	63.0	..	66.4	..	69.0	..	69.0	..	66.0	..	55.01
58.2	..	58.0	..	58.5	..	57.8	..	57.5	..	57.0	..	58.07
54.5	..	55.5	..	57.0	..	57.0	..	57.0	..	56.0	..	59.43
51.8	..	56.0	..	59.8	..	61.0	..	62.0	..	62.0	..	50.99
—	..	—	..	—	..	—	..	—	..	—	..	64.74
55.0	..	57.5	..	60.0	..	62.2	..	62.5	..	61.0	..	59.83
57.0	..	60.8	..	63.0	..	65.0	..	65.0	..	63.5	..	55.39
56.0	..	61.0	..	66.0	..	68.0	..	68.2	..	67.0	..	—
61.5	..	64.5	..	67.5	..	68.5	..	68.0	..	66.5	..	—
58.0	..	60.0	..	61.0	..	61.2	..	61.0	..	59.8	..	—
54.0	..	55.0	..	57.8	..	58.0	..	59.5	..	—	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
54.94	..	57.76	..	60.50	..	61.98	..	62.56	..	61.20	..	57.79

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
NOVEMBER.	1	60.0	61.2	61.2 ^a	61.2	61.9	62.1	62.9	63.6	64.8	64.6	63.8	62.0
	2	58.5	59.3	60.4	61.0	60.7	62.9	63.1	64.5	64.7	64.4	65.6	63.6
	3	62.7	63.0	64.3	64.7	65.2	66.4	67.2	67.2	68.0	67.8	67.0	65.8
	4	55.3	58.9	60.3	61.1	66.8	61.5	62.2	63.0	63.2	63.5	63.4	64.5
	5	59.5	60.8	60.1	61.4	67.9	62.9	63.5	63.9	63.8	63.7	63.4	63.5
	6	66.1	63.7	63.6	—	—	—	—	—	—	—	—	—
	7	—	—	—	64.9	65.0	64.8	65.9	67.5	67.4	68.1	65.5	64.8
	8	—	—	—	60.4	63.2	61.4	61.4	60.5	61.1	62.0	61.7	61.3
	9	59.1	60.2	61.8	61.1	62.6	61.4	63.1	63.2	64.5	62.7	63.5	62.3
	10	62.3	62.0	62.5	63.5	65.3	65.7	68.7	65.7	66.6	66.6	67.8	67.3
	11	64.4	64.0	63.8	64.8	63.0	65.9	66.6	64.4	64.3	64.3	64.4	65.0
	12	63.7	65.3	65.2	66.6	67.3	67.1	66.6	66.5	67.7	66.9	66.3	65.7
	13	65.9	68.5	66.8	—	—	—	—	—	—	—	—	—
	14	—	—	—	63.1	62.1	64.7	64.1	64.4	64.9	64.6	64.4	61.7
	15	58.3	58.8	59.2	59.5	60.0	60.6	60.8	60.6	61.4	62.0	61.7	59.7
	16	—	57.0	59.1	59.6	59.5	60.5	63.1	63.0	63.8	64.3	63.7	61.5
	17	61.0	64.0	67.4	65.9	66.3	66.5	67.2	66.8	68.9	68.1	67.3	66.3
	18	66.0	64.7	64.3	64.3	65.5	65.3	65.3	65.0	67.0	67.4	61.7	55.6
	19	50.6	52.6	61.2	61.5	56.3	57.3	57.7	59.0	58.9	58.4	58.6	58.1
	20	52.2	56.6	65.0	—	—	—	—	—	—	—	—	—
	21	—	—	—	63.8	64.0	65.3	64.6	64.4	63.9	63.8	63.9	63.9
	22	60.1	61.0	61.9	66.2	62.3	61.6	62.0	64.0	64.5	63.0	62.5	61.5
	23	61.0	59.5	60.3	62.1	62.2	61.3	60.5	61.4	61.7	61.5	61.6	61.8
	24	—	60.4	65.1	60.9	61.5	—	63.1	62.5	63.7	63.3	62.6	61.5
	25	63.5	63.5	63.6	64.0	63.8	65.0	65.2	65.6	65.2	65.9	64.9	61.4
	26	64.8	63.8	64.8	64.8	63.9	64.9	64.6	65.9	66.3	66.3	66.6	65.1
	27	61.5	62.4	61.9	—	—	—	—	—	—	—	—	—
	28	—	—	—	69.3	68.5	64.5	64.5	65.2	66.1	66.7	66.6	64.6
	29 ^b	65.2	65.5	65.9	65.0	65.7	66.1	66.7	67.0	66.8	67.6	66.9	67.5
	30	48.3	48.2	48.5	48.8	49.0	49.4	50.2	50.9	51.3	51.6	51.1	48.5
Hourly Means	60.22	60.81	62.22	62.57	62.95	62.87	63.36	63.55	64.15	64.06	63.58	62.28	
TEMPERATURE OF THE BIFILAR MAGNET.													
NOVEMBER.	1	65.0	..	..^a	..	62.8	..	61.0	..	59.5	..	59.5	..
	2	68.5	..	66.2	..	64.0	..	61.0	..	60.0	..	59.0	..
	3	61.0	..	59.8	..	58.0	..	57.0	..	54.0	..	53.8	..
	4	60.0	..	58.0	..	56.5	..	55.5	..	54.4	..	54.0	..
	5	58.0	..	57.2	..	57.0	..	56.0	..	55.0	..	54.0	..
	6	58.4	..	57.2	..	—	..	—	..	—	..	—	..
	7	—	..	—	..	54.6	..	53.2	..	52.2	..	52.5	..
	8	—	..	—	..	62.5	..	61.0	..	60.0	..	60.0	..
	9	65.0	..	65.0	..	63.0	..	61.8	..	60.5	..	60.0	..
	10	61.0	..	59.0	..	57.8	..	56.5	..	56.0	..	55.2	..
	11	62.0	..	60.0	..	59.0	..	58.0	..	57.0	..	56.0	..
	12	58.4	..	56.2	..	55.0	..	55.0	..	52.5	..	52.4	..
	13	58.0	..	57.0	..	—	..	—	..	—	..	—	..
	14	—	..	—	..	60.0	..	59.0	..	57.0	..	57.0	..
	15	71.0	..	69.0	..	68.0	..	66.0	..	66.0	..	65.5	..
	16	—	..	69.0	..	65.0	..	63.0	..	61.2	..	60.2	..
	17	59.2	..	57.5	..	56.0	..	54.8	..	53.5	..	53.0	..
	18	59.2	..	58.4	..	57.8	..	57.0	..	57.0	..	57.5	..
	19	66.5	..	65.0	..	64.0	..	62.5	..	62.0	..	64.0	..
	20	66.5	..	65.0	..	—	..	—	..	—	..	—	..
	21	—	..	—	..	57.0	..	56.0	..	55.5	..	55.5	..
	22	65.0	..	63.0	..	60.5	..	59.0	..	57.4	..	57.5	..
	23	65.5	..	64.6	..	63.5	..	62.2	..	61.5	..	62.0	..
	24	—	..	63.0	..	61.5	..	60.0	..	60.5	..	58.6	..
	25	63.0	..	61.0	..	59.5	..	58.8	..	58.2	..	58.0	..
	26	63.0	..	62.0	..	59.5	..	58.0	..	57.5	..	58.0	..
	27	66.0	..	65.0	..	—	..	—	..	—	..	—	..
	28	—	..	—	..	57.5	..	56.0	..	55.0	..	55.0	..
	29 ^b	59.8	..	58.5	..	57.5	..	57.0	..	56.5	..	57.0	..
	30	64.4	..	63.0	..	62.0	..	60.0	..	59.5	..	58.0	..
Hourly Means	62.94	..	61.79	..	60.08	..	58.73	..	57.72	..	57.45	..	

^a Omitted in the means; temperature not recorded.

^b Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 58.4	Sc. Div. 57.0	Sc. Div. 53.4	Sc. Div. 54.5	Sc. Div. 56.4	Sc. Div. 58.2	Sc. Div. 58.1	Sc. Div. 55.8	Sc. Div. 55.8	Sc. Div. 57.6	Sc. Div. 58.0	Sc. Div. 58.5	Sc. Div. 59.56
62.1	59.3	57.3	56.7	58.3	59.9	60.4	60.8	59.7	60.7	61.0	61.4	61.10
64.0	62.9	63.5	65.7	65.2	64.8	69.3	62.4	62.6	66.5	63.9	54.3	64.77
64.0	62.2	60.4	60.5	60.1	62.6	62.2	63.0	61.4	61.7	65.3	62.0	62.04
62.5	62.0	59.8	58.5	58.1	60.2	60.8	63.6	59.6	59.8	60.8	63.0	61.79
62.5	59.8	58.6	56.9	57.0	58.1	58.8	58.8	61.9	60.4	60.0	57.3	62.39
58.1	54.9	54.2	55.7	55.0	57.4	59.2	57.1	60.8	59.5	59.4	60.1	59.26
60.8	59.1	59.8	60.4	61.2	62.8	62.6	62.5	62.3	62.2	63.3	63.6	61.92
64.3	62.8	59.9	62.7	62.5	62.7	62.9	64.1	62.9	61.9	63.0	64.4	64.09
64.3	62.4	66.3	60.9	62.4	63.3	63.5	61.4	64.0	62.1	63.2	65.3	63.92
65.2	65.6	64.1	64.2	63.9	64.6	65.3	65.8	65.3	65.0	65.1	65.7	65.61
59.5	57.0	55.5	55.8	57.7	58.6	58.2	57.3	57.3	56.5	56.1	57.4	60.92
56.9	54.2	51.6	51.8	52.5	53.2	55.0	55.2	54.6	55.1	55.6	56.3	57.27
60.0	57.9	56.3	58.4	60.5	61.9	62.8	64.1	64.6	64.5	64.9	64.6	61.55
65.4	64.8	63.2	64.4	68.1	62.2	64.2	63.2	64.0	64.1	64.0	64.6	65.32
51.1	49.9	58.0	47.9	51.6	57.5	56.3	57.7	57.7	53.2	52.8	53.3	59.13
53.9	52.7	54.6	58.0	57.4	57.9	55.7	56.1	56.0	54.8	55.3	57.3	56.66
61.9	60.2	59.4	59.9	59.6	59.7	60.3	61.6	60.7	61.6	62.1	59.5	61.58
58.8	57.8	56.4	56.6	57.9	57.3	59.5	59.5	58.6	58.8	60.0	61.8	60.57
60.0	58.4	56.4	56.4	57.5	58.8	59.4	58.9	59.4	61.5	62.0	60.2	60.16
60.1	59.5	59.6	59.9	60.9	62.5	62.0	62.0	61.3	61.7	62.1	63.3	61.79
60.7	59.1	58.9	59.6	61.0	61.7	62.4	62.5	62.2	62.0	62.5	63.7	62.83
62.3	59.5	58.2	58.8	61.4	63.7	64.2	62.9	62.1	61.2	61.4	61.4	63.29
61.7	59.5	58.5	60.5	63.9	65.9	66.3	65.1	64.7	64.2	63.6	65.0	64.20
63.3	—	—	—	—	—	—	—	—	47.1	47.2	48.2	—
46.2	43.8	43.4	45.5	—	49.2	49.5	50.3	50.8	50.7	50.7	51.5	49.04
60.19	58.49	57.89	58.01	59.59	60.19	60.76	60.47	60.41	60.29	60.64	60.62	61.26

TEMPERATURE OF THE BIFILAR MAGNET.

63.0	..	69.5	..	71.0	..	72.0	..	73.0	..	71.0	..	66.12
59.6	..	62.0	..	65.0	..	66.0	..	66.2	..	64.0	..	63.46
55.2	..	57.2	..	60.5	..	62.0	..	62.0	..	61.2	..	58.47
55.0	..	58.0	..	59.2	..	60.5	..	60.0	..	59.0	..	57.51
56.2	..	57.5	..	59.0	..	60.0	..	60.8	..	60.0	..	57.56
55.0	..	59.8	..	63.8	..	66.0	..	67.0	..	66.7	..	58.87
62.2	..	67.5	..	70.2	..	70.0	..	68.2	..	66.0	..	64.76
60.0	..	61.5	..	62.0	..	64.0	..	64.0	..	63.0	..	62.48
56.5	..	59.0	..	61.0	..	63.5	..	64.0	..	62.8	..	59.36
56.2	..	57.5	..	61.4	..	62.2	..	62.5	..	60.2	..	59.33
54.0	..	56.5	..	59.0	..	60.4	..	60.0	..	59.0	..	56.53
60.8	..	64.5	..	67.5	..	71.8	..	73.8	..	73.0	..	63.28
67.0	..	70.8	..	76.2	..	79.0	..	77.8	..	75.4	..	70.97
62.0	..	63.0	..	64.5	..	65.0	..	65.0	..	63.0	..	63.72
56.0	..	59.5	..	62.0	..	64.0	..	63.0	..	61.0	..	58.29
58.0	..	60.5	..	63.0	..	67.2	..	68.5	..	68.0	..	61.01
65.0	..	68.2	..	70.0	..	72.8	..	71.8	..	68.0	..	66.65
57.2	..	60.6	..	64.4	..	66.0	..	67.0	..	66.0	..	61.39
60.8	..	65.0	..	67.5	..	68.5	..	69.5	..	67.0	..	63.39
63.0	..	67.2	..	70.2	..	71.0	..	70.0	..	67.4	..	65.67
61.0	..	64.2	..	66.4	..	65.5	..	66.5	..	65.0	..	62.93
59.0	..	63.0	..	65.0	..	66.0	..	66.0	..	66.0	..	61.96
59.8	..	63.8	..	65.0	..	66.8	..	68.2	..	67.0	..	62.38
55.0	..	56.5	..	57.5	..	59.2	..	60.2	..	60.0	..	58.57
59.0	..	—	..	—	..	—	..	—	..	67.0	..	—
61.5	..	64.0	..	—	..	64.0	..	64.0	..	61.5	..	61.99
59.16	..	62.27	..	64.64	..	66.14	..	66.36	..	64.85	..	61.82

HORIZONTAL FORCE.												
One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah ^t . = .000234.												
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1 ^a	51.9	52.5	52.2	53.1	53.8	54.2	54.6	54.7	—	—	—
	2	47.9	48.2	49.8	50.8	53.9	51.2	52.3	52.0	52.2	52.5	52.8
	3	47.6	47.9	44.3	45.4	45.3	48.3	47.1	47.2	48.3	48.2	45.7
	4	49.0	46.4	48.0	—	—	—	—	—	—	—	—
	5	—	—	—	49.0	50.7	49.2	49.7	50.4	51.6	50.8	51.0
	6	47.8	48.0	51.1	48.6	51.6	50.7	50.0	50.2	50.9	50.3	50.3
	7	47.2	47.1	48.5	49.1	52.5	49.7	50.2	50.9	51.3	51.1	51.1
	8	43.3	46.0	42.3	45.1	41.4	43.3	42.1	43.7	44.1	44.7	42.3
	9	47.9	49.1	49.4	54.5	51.2	51.9	52.0	51.6	50.9	50.8	50.0
	10	47.2	47.4	47.0	45.0	46.3	47.7	48.5	48.8	49.6	48.6	48.4
	11	44.5	44.8	44.9	—	—	—	—	—	—	—	—
	12	—	—	—	45.7	45.6	46.6	47.2	47.0	47.3	47.7	46.8
	13	46.0	46.5	47.8	48.1	48.2	49.2	51.6	51.2	50.2	50.9	49.6
	14	48.6	50.0	49.4	49.5	49.8	51.6	50.5	52.0	51.4	50.0	48.7
	15	42.0	42.8	42.5	42.5	43.1	43.9	44.0	44.2	44.7	44.9	44.8
	16	41.1	42.4	43.1	43.1	46.0	45.2	—	46.8	45.8	47.8	47.7
	17	51.0	51.8	47.3	51.2	52.4	52.1	52.5	52.9	53.6	54.2	54.8
	18	50.7	51.4	51.5	—	—	—	—	—	—	—	—
	19	—	—	—	48.2	49.4	50.0	50.1	49.8	—	48.8	48.2
	20	47.5	46.5	47.0	47.7	48.4	48.5	48.9	48.9	49.0	49.5	49.5
	21	47.7	48.1	48.5	49.0	49.3	49.5	49.8	49.6	50.1	50.2	50.4
	22	51.7	52.1	52.1	52.5	53.1	53.0	52.6	52.7	51.8	53.6	53.5
	23	47.9	48.8	45.8	46.5	46.3	46.9	46.7	48.0	48.5	48.1	48.0
	24	47.1	47.8	49.0	47.2	48.1	48.2	48.2	47.5	48.1	48.8	48.0
	25	50.0	50.4	51.4	—	—	—	—	—	—	—	—
	26	—	—	—	54.5	52.3	51.6	51.7	52.0	52.3	52.5	51.6
	27	49.7	50.0	50.0	50.1	49.9	50.7	51.1	51.4	52.0	52.3	51.1
	28	49.2	49.4	49.5	49.8	50.0	50.3	51.9	51.4	51.5	52.5	52.1
	29	47.2	47.0	47.2	47.2	47.8	48.7	48.8	49.9	50.5	51.4	50.1
	30 ^b	54.0	53.1	52.4	46.3	45.4	45.3	45.8	47.0	42.5	42.5	43.4
	31	—	50.8	52.5	53.4	53.9	54.5	56.7	56.6	54.8	54.2	54.4
Hourly Means	47.67	48.20	48.16	48.72	49.24	49.49	49.95	50.05	50.02	50.18	49.64	

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1 ^a	59.5	..	58.0	..	58.0	..	59.0	..	..	..	..
	2	62.0	..	59.8	..	57.6	..	56.2	..	56.0	..	55.5
	3	61.0	..	60.0	..	60.0	..	60.0	..	58.0	..	57.0
	4	62.0	..	61.0	..	—	..	—	..	—	..	—
	5	—	..	—	..	59.0	..	57.0	..	55.0	..	55.0
	6	65.2	..	63.0	..	61.0	..	58.5	..	57.0	..	57.0
	7	66.0	..	63.2	..	61.0	..	60.0	..	57.5	..	57.2
	8	68.5	..	67.0	..	67.0	..	66.2	..	65.0	..	66.0
	9	64.0	..	61.4	..	60.2	..	58.0	..	56.5	..	56.5
	10	67.0	..	64.0	..	61.5	..	60.0	..	59.0	..	59.0
	11	72.0	..	69.5	..	—	..	—	..	—	..	—
	12	—	..	—	..	67.8	..	66.8	..	66.0	..	65.2
	13	69.0	..	66.0	..	64.2	..	62.5	..	61.0	..	60.2
	14	67.0	..	65.0	..	63.0	..	61.0	..	59.0	..	59.8
	15	73.0	..	72.0	..	70.5	..	70.0	..	69.8	..	70.0
	16	73.0	..	69.8	..	67.0	..	—	..	62.0	..	62.0
	17	59.0	..	57.0	..	56.0	..	54.0	..	53.0	..	54.0
	18	59.0	..	57.2	..	—	..	—	..	—	..	—
	19	—	..	—	..	57.0	..	55.2	..	—	..	54.0
	20	65.0	..	63.0	..	61.5	..	60.4	..	59.8	..	59.0
	21	65.0	..	64.4	..	63.0	..	60.5	..	59.0	..	59.0
	22	60.8	..	59.5	..	58.0	..	57.0	..	57.0	..	57.0
	23	68.8	..	68.0	..	67.2	..	65.2	..	64.1	..	65.0
	24	68.5	..	66.2	..	64.0	..	63.0	..	61.2	..	60.5
	25	61.0	..	59.2	..	—	..	—	..	—	..	—
	26	—	..	—	..	58.0	..	57.2	..	57.0	..	57.0
	27	63.0	..	61.0	..	60.0	..	58.5	..	57.0	..	57.0
	28	65.0	..	63.0	..	60.8	..	59.2	..	58.0	..	57.2
	29	69.0	..	66.8	..	64.6	..	63.0	..	63.0	..	62.0
	30 ^b	64.0	..	63.2	..	64.0	..	63.0	..	61.5	..	60.0
	31	—	..	63.0	..	62.8	..	60.0	..	60.0	..	59.8
Hourly Means	65.33	..	63.38	..	61.95	..	60.34	..	59.62	..	59.28	

^a Omitted in the daily means.

^b Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
47.3	47.7	46.8	49.0	48.6	49.8	49.3	49.1	47.0	48.3	48.9	48.2	—
48.7	44.1	45.5	47.1	50.5	55.6	52.1	52.3	52.7	50.8	50.4	45.9	50.45
43.5	43.6	45.3	46.2	48.2	48.6	49.5	47.3	47.8	47.8	48.8	51.7	47.03
—	—	—	—	—	—	—	—	—	—	—	—	—
47.4	45.3	45.9	46.1	46.5	47.9	47.3	47.4	47.5	46.5	46.9	47.5	48.24
47.9	45.7	43.8	45.7	47.5	48.0	47.2	46.6	46.0	46.0	46.0	47.6	48.23
48.3	46.1	45.7	43.9	43.5	44.8	45.3	43.5	44.5	43.8	44.6	47.3	47.54
40.5	39.8	40.7	43.5	44.9	47.2	48.0	47.2	47.3	46.7	47.6	46.9	44.13
47.9	46.9	46.5	45.6	46.8	47.4	50.3	48.4	48.9	45.5	45.1	47.0	48.94
44.2	43.8	43.0	43.7	44.6	46.0	45.8	45.3	44.0	42.3	42.0	42.9	45.75
—	—	—	—	—	—	—	—	—	—	—	—	—
41.7	39.9	39.5	42.1	43.9	44.4	45.4	45.7	45.4	46.6	45.6	46.5	44.97
46.7	45.6	45.7	47.2	50.6	49.4	51.3	46.2	46.5	46.7	46.9	47.9	48.28
43.9	43.0	48.7	46.0	47.4	47.1	47.0	44.3	42.7	41.7	41.0	41.8	47.05
41.6	39.0	38.5	39.2	39.7	39.3	39.6	41.7	42.0	41.0	41.2	42.1	42.03
46.5	43.3	46.2	45.8	46.7	47.9	49.2	49.2	49.2	49.0	50.0	50.1	46.50
51.7	50.6	49.8	50.1	50.9	51.8	53.4	53.2	52.3	51.7	50.7	50.9	51.75
—	—	—	—	—	—	—	—	—	—	—	—	—
46.6	44.4	42.4	41.9	44.0	44.3	47.0	46.2	45.9	46.3	47.6	48.0	47.35
47.5	46.0	44.9	43.2	46.0	47.6	48.2	48.0	48.2	48.0	48.0	48.2	47.69
49.2	49.6	48.7	49.4	49.6	50.3	51.4	51.5	50.9	51.4	51.2	51.6	49.89
53.0	49.4	47.4	47.1	47.6	47.7	48.3	49.5	43.5	46.5	45.3	45.5	50.13
47.6	46.7	45.5	47.8	48.9	50.6	47.3	47.2	48.5	46.2	46.1	46.9	47.44
46.0	47.2	48.4	49.5	48.2	50.2	52.0	54.2	54.5	49.6	50.7	50.2	49.00
—	—	—	—	—	—	—	—	—	—	—	—	—
50.7	48.0	47.1	48.2	48.6	49.3	50.0	50.6	48.8	49.6	48.8	49.6	50.45
48.3	47.2	46.5	46.9	46.6	47.5	48.1	48.6	48.2	48.1	48.0	49.0	49.25
47.9	46.0	44.3	45.1	45.0	45.0	—	46.1	44.4	44.4	45.3	46.4	48.16
47.7	46.5	46.2	46.7	49.5	52.3	55.0	55.0	53.7	52.1	51.7	52.2	49.75
43.0	43.1	43.2	42.2	—	—	—	—	—	—	51.2	52.9	—
52.1	—	—	45.6	48.0	45.4	51.8	53.2	52.8	54.4	54.9	51.3	52.55
47.08	45.42	45.32	45.87	47.01	47.90	48.79	48.36	47.81	47.35	47.43	47.82	48.16

TEMPERATURE OF THE BIFILAR MAGNET.

57.0	..	60.5	..	62.0	..	63.5	..	65.0	..	64.4	..	—
56.0	..	58.0	..	60.0	..	61.0	..	62.0	..	61.5	..	58.80
58.4	..	60.6	..	62.0	..	64.0	..	64.2	..	63.8	..	60.75
—	..	—	..	—	..	—	..	—	..	—	..	—
58.0	..	61.5	..	65.4	..	68.0	..	69.0	..	68.0	..	61.57
59.8	..	63.2	..	66.0	..	67.0	..	71.0	..	69.0	..	63.14
60.5	..	64.5	..	68.2	..	70.8	..	72.0	..	70.4	..	64.27
65.5	..	66.2	..	66.2	..	66.5	..	67.2	..	66.0	..	66.44
58.0	..	62.0	..	65.0	..	68.2	..	67.5	..	68.5	..	62.15
62.8	..	68.0	..	71.5	..	74.0	..	75.0	..	75.0	..	66.40
—	..	—	..	—	..	—	..	—	..	—	..	—
67.0	..	70.6	..	74.0	..	75.0	..	73.0	..	71.0	..	69.82
63.0	..	65.0	..	67.5	..	69.8	..	71.5	..	70.2	..	65.82
63.5	..	68.5	..	72.5	..	75.0	..	76.0	..	74.5	..	67.07
72.2	..	75.0	..	78.0	..	79.0	..	79.2	..	76.0	..	73.72
62.4	..	63.8	..	64.0	..	63.6	..	64.0	..	61.5	..	64.83
53.5	..	54.5	..	56.0	..	57.5	..	60.0	..	60.4	..	56.24
—	..	—	..	—	..	—	..	—	..	—	..	—
59.0	..	63.0	..	66.0	..	68.0	..	69.0	..	68.0	..	61.40
60.5	..	62.5	..	65.0	..	66.0	..	66.0	..	66.0	..	62.89
60.5	..	60.0	..	60.0	..	60.0	..	61.0	..	62.0	..	61.20
58.2	..	62.0	..	64.5	..	67.0	..	70.0	..	69.0	..	61.67
65.0	..	66.8	..	70.0	..	72.4	..	73.4	..	71.0	..	68.07
61.0	..	62.0	..	63.0	..	63.0	..	63.0	..	63.8	..	63.27
—	..	—	..	—	..	—	..	—	..	—	..	—
57.5	..	59.0	..	61.0	..	64.0	..	66.0	..	65.0	..	60.16
57.5	..	60.0	..	64.0	..	67.0	..	68.0	..	66.0	..	61.58
61.0	..	65.0	..	69.0	..	—	..	74.2	..	72.0	..	64.04
60.8	..	61.5	..	63.0	..	63.2	..	65.0	..	64.0	..	63.82
60.0	..	63.0	..	—	..	—	..	—	..	70.0	..	—
63.0	..	—	..	72.5	..	74.2	..	73.0	..	71.0	..	65.93
60.83	..	63.35	..	66.01	..	67.51	..	68.66	..	67.62	..	63.69

January 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	34.3	31.0	30.7	34.3	36.7	41.4	45.0	47.2	45.5	43.3	41.4
5	0	33.7	30.1	31.4	34.4	37.0	41.6	46.1	47.4	45.5	42.8	41.4
10	0	33.4	30.4	31.7	34.5	37.4	41.7	46.1	47.5	45.5	42.7	41.3
15	0	33.1	29.9	31.0	34.9	37.5	42.2	45.9	47.4	45.2	42.5	40.8
20	0	33.0	29.8	31.9	34.8	38.0	42.9	46.4	47.1	44.9	42.2	40.6
25	0	32.5	29.5	32.0	34.8	38.5	43.4	46.6	46.7	44.8	42.1	40.6
30	0	32.3	29.9	32.0	35.3	38.8	44.0	46.5	47.6	44.4	42.0	40.5
35	0	31.6	30.1	32.5	35.6	39.3	44.1	47.3	46.6	44.2	42.0	40.4
40	0	31.7	30.3	32.8	35.9	39.6	44.8	47.3	46.5	43.6	41.9	40.5
45	0	31.5	30.5	33.0	36.0	40.6	44.8	47.2	46.5	43.6	41.8	40.5
50	0	31.5	30.5	33.3	36.1	40.9	44.6	46.9	46.4	44.0	41.6	40.6
55	0	31.4	31.5	34.0	36.3	41.2	44.7	47.3	46.1	43.4	41.5	40.5
M. S.		One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
		13.7	12.4	11.3	9.0	6.8	6.4	7.2	9.9	10.0	10.8	11.0
2	30	13.1	12.4	10.5	8.6	6.7	6.2	7.9	9.7	10.3	11.3	11.0
12	30	13.4	12.1	10.1	8.2	6.4	6.2	9.1	9.4	10.0	10.7	11.1
22	30	13.5	12.3	9.8	7.8	6.2	6.5	9.7	8.8	10.4	10.9	11.0
32	30	13.5	12.2	9.6	7.4	6.4	7.0	9.5	9.2	10.7	11.1	10.8
42	30	13.0	11.8	9.3	7.0	6.6	7.2	9.1	9.8	11.7	10.6	11.6
Thermometer		62.0	63.0	65.0	67.2	69.3	71.3	73.5	75.2	76.1	76.0	75.0
VERTICAL FORCE.												
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.	°	°	°						
20	10	0	29.863	60.0	52.2	N. W. by N.	Moderate.	0.25	Cloudy.			
	11	0	29.882	64.0	54.0	N. W. by N.	Moderate.	0.13	Cloudy.			
	12	0	29.877	68.0	57.0	N. W. by N.	Moderate.	0.13	Cloudy.			
	13	0	29.863	69.5	56.7	N. W. by N.	Moderate.	0.13	Cloudy.			
	14	0	29.849	72.7	68.8	N. W. by N.	Moderate.	0.13	Cloudy.			
	15	0	29.828	75.5	60.5	N. W. by N.	Light.	0.13	Light mist, haze or mist increasing.			
	16	0	29.798	79.0	61.5	S. E. by S.	Very light.	—	Much haze.			
	17	0	29.803	78.0	62.9	S. E. by S.	Fresh.	1.00	Overcast and hazy, breeze beginning.			
	18	0	29.807	72.8	60.0	S. E. by S.	Fresh.	1.00	Overcast and hazy, fresh sea breeze.			
	19	0	29.810	68.5	58.9	S. E. by S.	Light.	1.00	Overcast and hazy.			
	20	0	29.819	66.8	58.0	S. E. by S.	Light.	1.00	Overcast and hazy.			
	21	0	29.819	64.1	57.2	S. E. by S.	Light.	1.00	Overcast and hazy.]			

MAGNETICAL OBSERVATIONS.

January 20th and 21st.

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.
40.2	39.1	40.6	41.2	40.1	38.9	40.0	38.1	39.3	39.8	34.3	35.3	42.2
39.9	39.5	41.0	41.0	40.1	39.1	40.3	38.8	39.3	39.5	34.2	35.0	39.6
39.9	39.4	41.0	40.9	39.9	39.2	40.3	39.5	38.9	39.9	34.5	34.5	38.2
39.8	40.0	40.9	40.4	39.8	39.1	40.4	37.9	38.5	40.0	34.9	34.7	36.0
39.8	39.9	40.9	40.6	39.9	39.0	40.0	38.5	39.3	39.6	35.8	35.4	34.7
39.8	39.9	40.6	41.0	39.9	39.9	39.5	38.5	40.0	38.7	35.1	36.6	34.4
39.8	39.9	40.7	40.7	39.9	40.0	39.7	39.0	39.0	38.1	35.6	38.3	34.7
39.8	39.9	40.9	40.6	39.8	40.0	39.6	38.7	39.4	37.9	36.0	38.6	33.8
39.7	39.7	41.0	40.9	39.1	40.0	39.2	38.5	41.5	36.7	36.3	40.3	32.0
39.6	39.7	41.3	40.9	39.3	40.0	39.0	38.9	41.2	35.7	36.3	41.7	32.5
39.2	40.0	41.2	40.1	39.3	39.9	38.5	38.7	41.1	34.8	36.8	43.6	31.7
39.1	40.4	40.9	40.4	39.2	39.9	38.5	38.6	40.4	35.5	36.3	42.4	32.8

HORIZONTAL FORCE.

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

11.1	11.5	12.9	13.9	14.8	14.0	14.3	15.0	15.9	16.9	16.7	18.5	19.0
11.2	11.7	13.2	14.0	14.7	14.2	15.1	15.1	16.0	17.9	16.5	17.8	18.0
11.3	12.4	13.3	14.2	15.2	14.0	14.4	14.9	16.4	18.1	16.5	16.1	16.9
11.7	12.4	13.6	14.0	15.3	14.8	15.2	14.7	17.0	18.6	17.2	16.5	15.8
11.6	12.5	13.8	14.6	14.8	14.5	15.9	14.8	18.1	18.6	17.6	16.6	15.8
11.5	12.7	13.9	13.9	14.6	14.2	15.8	15.1	17.5	18.2	18.0	17.9	16.6
75.0	73.5	72.2	71.4	71.0	71.0	70.3	69.8	69.0	68.0	66.0	69.8	66.0

VERTICAL FORCE.

Declination and Horizontal 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	29.826	61.5	56.4	N. W. by N.	Light	—	Hazy.
	23	0	29.826	61.0	55.7	N. W. by N.	Light.	—	Hazy.
21	0	0	29.822	61.0	56.0	S. by W.	Light.	1.00	Overcast.
	1	0	29.830	61.0	56.2	S. by W.	Light.	1.00	Overcast.
	2	0	29.816	59.0	54.2	—	Calm.	1.00	Overcast.
	3	0	29.821	58.0	55.0	S. by W.	Light.	1.00	Overcast.
	4	0	29.782	58.0	54.7	—	Calm.	1.00	Overcast.
	5	0	29.763	56.5	52.8	N. N.W.	Moderate.	0.38	Partially clear.
	6	0	29.740	56.2	51.3	N. N.W.	Moderate.	0.75	Nearly overcast.
	7	0	29.733	56.5	50.8	N. W. by N.	Moderate.	0.50	Hazy.
	8	0	29.729	55.5	50.6	N. W. by N.	Fresh.	0.25	Hazy.
	9	0	29.728	58.0	52.1	N. W. by N.	Fresh.	0.25	Hazy.

February 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.	Sc. Div.
0	0	38.4	40.7	37.8	35.9	41.5	43.8	46.4	48.4	49.9	47.7	44.0
5	0	37.4	39.9	38.1	35.2	41.9	42.5	47.1	48.1	50.0	46.7	43.9
10	0	39.4	39.1	37.4	35.0	42.0	42.9	47.6	48.3	50.0	45.3	43.8
15	0	39.5	38.8	37.7	34.4	42.2	44.7	47.6	48.2	49.7	43.9	43.4
20	0	39.3	39.2	37.4	34.7	42.5	44.8	47.7	48.5	49.7	42.4	43.5
25	0	39.4	40.0	36.9	35.4	42.6	43.4	47.4	48.7	49.5	43.1	43.6
30	0	39.4	39.7	37.5	37.4	43.1	41.3	47.5	49.2	49.3	43.4	43.8
35	0	39.0	39.9	38.0	36.9	43.3	41.5	47.5	49.5	49.4	44.4	44.2
40	0	39.4	41.2	37.3	37.9	43.7	41.8	47.6	49.1	48.6	44.9	43.7
45	0	38.9	39.2	36.3	39.1	43.2	43.8	48.1	49.3	48.5	44.3	43.5
50	0	39.2	37.9	36.1	40.0	43.5	45.5	48.0	49.6	48.5	44.4	43.0
55	0	39.8	37.8	36.2	40.6	43.8	46.0	48.0	49.5	47.7	44.7	43.2

M. S.		One Scale Division = .000303 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	30	71.9	71.8	69.5	63.3	67.2	67.8	67.6	74.2	73.2	74.1	75.5
12	30	71.3	71.7	68.6	63.4	67.2	66.7	69.5	—	73.9	73.4	75.6
22	30	71.3	72.2	68.2	64.4	66.8	65.7	70.6	73.3	75.8	74.8	75.9
32	30	71.3	72.3	67.6	65.3	67.2	66.9	72.3	73.5	75.9	76.7	76.1
42	30	71.1	72.1	66.1	66.2	67.7	65.7	73.0	73.1	75.7	76.5	75.1
52	30	71.4	70.6	64.5	66.9	68.3	67.4	74.0	73.5	75.4	76.4	74.9

Thermometer	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
	60.2	60.6	60.2	59.8	59.7	59.8	60.0	60.0	60.0	60.0	60.0

VERTICAL FORCE.											

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.	Inch.	°	°	°					
26	10	0	29.686	49.0	46.9	S. by W.	Moderate.	1.0	Heavy rain.		
	11	0	29.685	49.2	47.3	S. by W.	Moderate.	1.0	Heavy rain.		
	12	0	29.697	49.5	48.0	S. by W.	Squally.	1.0	Rain somewhat abated.		
	13	0	29.704	51.2	48.6	S. by W.	Strong squalls.	—	Squally.		
	14	0	29.700	53.8	49.2	—	—	1.0	Overcast; gloomy; with occasional showers.		
	15	0	29.703	54.5	50.0	—	—	1.0	Overcast; gloomy; with occasional showers.		
	16	0	29.687	55.0	50.8	S. by W.	Strong squalls.	1.0	Overcast and gloomy; inclined to rain.		
	17	0	29.674	54.5	50.4	S. by W.	Strong squalls.	—	Squally; inclined to rain.		
	18	0	29.659	53.5	50.0	S. by W.	Strong squalls.	—	Squally.		
	19	0	29.655	52.5	49.9	—	—	1.0	Overcast and gloomy; inclined to rain.		
	20	0	29.649	53.0	49.5	—	—	1.0	Rain.		
	21	0	29.658	52.0	49.3	—	—	1.0	Rain.		

MAGNETICAL OBSERVATIONS.

February 26th and 27th.

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.
42.2	41.0	41.3	38.1	38.9	38.6	35.0	40.5	39.4	44.2	43.6	45.0	40.0
41.4	41.4	41.4	37.6	38.8	38.6	35.9	40.4	40.0	44.1	42.6	44.0	39.8
40.0	41.5	41.2	37.5	38.8	38.3	36.3	40.2	39.5	44.7	44.6	43.9	39.2
40.0	41.4	40.8	38.1	38.7	38.2	37.2	40.3	39.1	45.8	44.2	43.8	38.8
39.9	41.4	40.9	38.9	39.1	38.5	37.9	40.1	39.4	46.4	44.1	43.1	39.0
41.8	41.5	40.9	39.1	39.4	38.1	38.1	39.9	40.9	47.0	45.5	43.0	39.1
42.1	41.3	40.1	39.3	39.2	37.3	38.8	40.0	41.8	48.3	47.0	42.5	38.5
41.9	41.0	39.3	39.3	38.9	36.3	39.2	40.1	42.5	48.5	48.0	42.4	38.2
41.2	40.7	37.7	39.0	38.6	35.4	39.9	40.3	42.7	47.5	49.3	41.5	38.9
41.1	41.0	36.5	38.7	38.3	34.1	40.0	40.4	42.5	46.2	49.1	41.4	38.5
41.0	41.2	38.1	38.9	38.1	34.0	39.9	40.8	43.0	45.3	47.9	40.7	38.1
40.9	41.2	38.4	38.9	38.1	34.3	40.5	40.4	44.0	45.1	46.5	40.0	37.0

HORIZONTAL FORCE.

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

73.7	75.1	74.7	77.5	75.2	75.1	75.1	75.5	76.5	75.6	77.1	77.3	76.3
72.8	74.7	74.7	77.0	75.1	75.5	75.0	75.7	76.5	76.5	76.6	76.7	76.0
74.0	74.4	74.8	76.6	75.7	75.6	74.9	75.9	75.8	76.8	76.2	76.2	76.2
73.8	73.9	75.2	76.2	75.7	75.1	75.1	76.1	76.2	77.6	77.2	76.3	76.2
74.4	74.2	76.7	75.4	75.5	75.0	75.6	76.5	76.0	77.5	78.0	76.3	75.9
75.4	74.6	78.6	75.2	75.3	75.0	75.4	76.5	75.9	78.2	77.9	76.3	75.5
60.0	60.0	60.0	59.7	59.8	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.5

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
26	22	0	29.663	50.8	49.3	Southerly	Fresh.	1.0	Squally; rain.
	23	0	29.658	50.0	49.5	Southerly	Fresh.	1.0	Squally; rain.
27	0	0	29.663	50.2	49.6	Southerly	Fresh.	1.0	Squally; rain.
	1	0	29.647	49.5	49.2	Southerly	Fresh.	1.0	Squally; rain.
	2	0	29.593	50.5	49.9	S. S. W.	Fresh.	1.0	Squally: overcast and gloomy.
	3	0	29.421	52.0	50.2	S. by W.	—	—	A strong breeze; rain at intervals.
	4	0	29.439	51.5	51.5	S. by W.	Fresh.	—	Squally, with rain.
	5	0	29.467	52.0	50.6	S. by W.	Fresh.	—	Squally, with rain.
	6	0	29.495	52.5	50.4	—	Strong squalls.	1.0	Light rain; overcast and gloomy.
	7	0	29.518	53.0	51.2	Southerly	Moderate.	1.0	Light rain; overcast and gloomy.
	8	0	29.550	53.8	51.5	S. S. E.	Light.	—	The clouds are breaking.
	9	0	29.574	54.0	51.8	Southerly	Light.	1.0	Overcast.

March 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.	Sc. Div.
0	0		51.1	49.4	46.6	47.5	51.5	55.5	57.5	59.2	58.4	55.0	53.6
5	0		51.2	49.4	48.1	48.1	50.9	55.0	58.4	59.4	58.2	54.6	53.6
10	0		51.1	50.2	49.5	48.8	51.3	56.5	58.4	59.0	58.2	54.7	53.0
15	0		51.1	49.9	49.2	49.1	52.3	55.8	57.7	59.4	57.6	54.1	52.5
20	0		51.4	48.8	48.9	49.6	53.1	55.9	58.5	59.0	57.2	53.4	53.0
25	0		51.9	49.0	48.3	50.7	53.7	56.4	58.5	59.2	55.9	52.5	52.6
30	0		51.0	49.3	48.0	51.6	53.3	56.1	58.5	59.0	56.4	52.5	52.6
35	0		51.0	49.9	46.6	53.3	53.3	56.5	58.7	59.0	56.1	52.6	52.4
40	0		50.7	48.7	46.6	51.6	53.8	56.6	59.1	59.1	55.2	53.1	51.6
45	0		50.2	47.3	47.9	53.0	55.0	56.4	59.2	58.4	55.0	53.5	51.5
50	0		48.8	47.4	48.5	52.3	54.4	56.6	59.5	58.5	54.5	53.1	51.5
55	0		49.0	47.2	47.8	51.8	54.2	59.3	59.5	58.6	54.6	53.3	51.3
			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		73.4	71.8	69.7	65.7	65.1	66.7	67.7	—	69.8	69.5	69.7
12	30		73.3	71.7	70.9	65.6	64.7	66.2	67.9	69.3	69.3	69.9	69.2
22	30		72.9	71.3	70.8	66.0	66.0	66.9	68.7	69.7	68.4	69.5	69.2
32	30		73.5	72.0	69.9	65.9	65.9	67.9	68.6	69.6	67.9	69.6	69.3
42	30		72.4	71.3	68.0	65.4	65.8	66.7	68.9	70.3	69.1	69.5	69.4
52	30		71.7	70.2	66.8	66.0	66.6	67.1	68.9	70.1	69.0	69.6	69.0
Thermometer			63.5	64.1	66.0	68.0	70.0	72.1	74.2	76.0	76.6	78.8	79.0
VERTICAL FORCE.													
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.	°	°								
24	10	0	29.761	52.0	51.6	N. W. by N.	Moderate.	—	Clear.				
	11	0	29.743	56.6	54.0	N. W. by N.	Moderate.	—	Clear.				
	12	0	29.736	61.0	57.7	N. by W.	Moderate.	—	Clear.				
	13	0	29.715	65.0	57.6	N. by W.	Moderate.	—	Clear.				
	14	0	29.664	68.0	59.2	N. by E.	Light.	—	Clear.				
	15	0	29.618	72.5	64.4	N. by E.	Light.	—	Clear.				
	16	0	29.585	75.2	60.8	N. by E.	Light.	—	Clear.				
	17	0	29.533	79.0	61.9	N. by E.	Light.	—	Clear.				
	18	0	29.505	79.0	63.6	N. by W.	Light.	—	Clear.				
	19	0	29.486	77.5	59.8	N. by W.	Light.	—	Clear.				
	20	0	29.491	75.5	59.7	N. W. by N.	Light.	—	Clear.				
	21	0	29.509	69.5	61.4	S. E. by S.	Light.	—	Clear.				

MAGNETICAL OBSERVATIONS.

March 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.
51.4	48.5	48.0	46.1	44.8	46.7	49.4	50.0	50.3	51.1	52.1	52.6	52.8
51.3	47.7	48.2	46.0	44.5	46.6	49.5	50.1	50.3	51.4	52.1	52.3	52.5
50.5	47.8	48.4	46.3	45.1	46.5	49.3	49.7	50.3	51.4	52.4	52.4	52.4
49.5	46.9	47.5	46.3	48.4	46.9	49.4	50.0	50.4	51.5	52.3	52.9	52.5
48.4	46.2	46.5	46.0	50.4	46.9	49.4	50.5	50.2	51.9	52.2	52.9	52.4
47.6	45.8	47.4	46.7	50.3	47.1	49.4	50.6	50.6	51.6	52.3	52.4	52.2
46.1	45.2	47.2	47.4	49.6	46.9	49.7	50.7	50.2	51.6	52.0	52.4	51.7
45.8	45.3	45.9	47.2	48.2	47.3	49.6	50.8	50.5	51.6	51.9	52.5	51.6
45.7	45.8	45.2	46.6	47.4	48.5	49.7	50.9	50.6	51.7	51.9	53.4	51.5
45.9	46.9	45.1	45.7	47.2	48.7	50.0	50.5	50.4	51.9	51.6	53.4	51.1
47.0	47.4	45.0	45.4	47.1	49.1	50.0	50.5	50.5	51.9	51.8	53.1	51.2
47.4	48.0	46.1	45.5	46.9	49.4	50.1	50.4	50.8	52.0	52.4	52.6	51.0

HORIZONTAL FORCE.

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

68.8	70.8	69.8	71.9	72.0	74.9	73.6	73.6	73.9	74.5	75.3	76.3	76.7
67.9	71.0	70.5	71.5	73.4	74.5	73.5	73.7	74.0	74.5	75.5	76.4	76.9
66.9	70.2	72.0	72.5	74.1	74.1	73.3	73.8	74.2	74.6	75.9	76.5	77.1
67.6	70.1	73.1	72.5	74.1	73.5	73.2	73.8	74.1	74.5	76.0	77.3	77.1
68.8	69.6	73.5	71.8	74.5	73.9	73.3	73.8	74.3	74.8	76.0	76.6	76.9
70.2	69.4	73.1	72.0	75.0	73.9	73.4	73.8	74.3	75.1	76.1	76.8	76.8
78.0	77.0	76.0	74.6	73.2	72.5	71.6	71.0	70.0	69.0	68.5	67.0	66.0

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
24	22	0	In.	°	°	S. by E.	Light.	—	Clear.
	23	0	29.518	64.8	59.0	S. by E.	Light.	—	Clear.
25	0	0	29.528	62.5	58.1	—	Calm.	0.50	Partially clear.
	1	0	29.505	60.5	56.5	W. by N.	Moderate.	0.62	Cloudy.
	2	0	29.498	61.0	57.6	N. by W.	Light.	0.50	Partially clear.
	3	0	29.412	62.0	55.6	N. by E.	Light.	0.50	Light showers.
	4	0	29.528	61.7	57.3	N. by E.	Light.	1.00	Overcast.
	5	0	29.526	59.5	53.8	N. by E.	Light.	1.00	Overcast.
	6	0	29.524	58.2	50.7	N. by E.	Light.	—	Heavy banks of clouds in the north horizon.
	7	0	29.530	57.0	49.9	N. by E.	Light.	—	Squally.
	8	0	29.540	56.0	48.0	N. E. by N.	Squally.	0.38	Squally.
	9	0	29.561	54.8	47.6	N. by E.	Fresh.	0.38	Squally.
			29.585	53.0	45.7	N. W. by N.	Light.	0.25	Nearly clear.

April 21st and 22nd.		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.	Sc. Div.
0	0	48.3	51.2	50.3	47.6	50.5	54.6	54.5	56.1	55.9	53.4	49.6	49.6
5	0	50.1	51.3	49.1	47.8	50.9	54.6	54.4	56.0	55.0	53.1	49.6	49.6
10	0	48.9	51.8	49.0	47.8	51.3	54.5	54.6	55.8	54.7	52.9	47.3	47.3
15	0	49.1	51.9	49.2	47.5	51.5	54.2	54.5	55.5	54.0	52.9	45.2	45.2
20	0	49.1	51.8	48.7	48.2	51.6	53.6	54.5	55.4	53.9	52.9	42.5	42.5
25	0	49.1	51.6	48.2	48.9	51.7	54.0	55.1	55.4	53.9	52.8	40.6	40.6
30	0	50.0	51.2	47.6	49.6	51.9	53.2	55.4	55.4	53.8	52.4	39.8	39.8
35	0	50.2	51.5	47.7	49.9	52.5	53.3	55.1	55.5	53.7	52.3	40.1	40.1
40	0	49.8	51.5	47.1	50.2	53.3	53.6	55.8	55.9	53.8	52.3	41.5	41.5
45	0	49.9	51.3	47.2	49.6	53.0	54.1	55.7	56.0	54.0	51.6	42.8	42.8
50	0	49.9	48.9	47.5	50.2	53.9	54.2	55.9	56.4	53.9	51.2	43.9	43.9
55	0	51.1	49.8	47.6	50.3	54.1	54.5	55.9	56.4	53.5	50.1	44.2	44.2

M. s.		One Scale Division = .000303 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	30	55.7	54.3	55.0	52.9	50.3	49.5	50.6	52.3	51.5	51.8	51.2	51.2
12	30	56.8	53.5	55.2	52.4	50.5	49.1	51.2	52.4	51.5	52.3	50.0	50.0
22	30	56.9	52.7	54.7	51.7	50.4	48.3	51.6	52.5	51.6	51.9	49.6	49.6
32	30	57.2	53.1	54.6	51.9	49.9	47.9	51.5	53.2	51.8	51.7	51.3	51.3
42	30	56.3	53.9	53.9	51.3	49.5	49.7	52.4	53.4	51.6	52.0	52.5	52.5
52	30	55.3	54.5	53.5	50.8	49.3	49.9	52.4	52.9	51.5	51.6	51.9	51.9

Thermometer	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
	50.0	50.1	50.8	52.2	54.8	57.0	59.0	60.5	61.2	62.4	61.8

VERTICAL FORCE.											

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	30.034	39.2	37.4	N. W. by N.	Light.	0.75	Gloomy.		
	11	0	30.066	41.5	40.2	—	—	1.00	Gloomy and overcast.		
	12	0	30.062	44.5	42.0	N. W. by N.	Light.	0.38	Partially clear.		
	13	0	30.070	49.5	46.4	—	—	0.25	Nearly clear.		
	14	0	30.055	54.0	47.2	—	Calm.	0.25	Nearly clear.		
	15	0	30.028	56.2	48.9	—	—	—	Clear.		
	16	0	30.027	58.0	50.4	N. W. by N.	Light.	—	Clear.		
	17	0	30.010	59.0	51.2	—	Calm.	—	Clear.		
	18	0	30.014	59.0	52.0	—	—	0.25	Nearly clear.		
	19	0	30.006	58.0	51.4	—	—	0.50	Partially clouded.		
	20	0	30.017	55.5	50.2	—	—	0.50	Partially clouded.		
	21	0	30.031	52.0	48.4	—	—	—	Clear.		

MAGNETICAL OBSERVATIONS.

April 21st and 22nd.

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.
45.4	49.6	47.4	47.2	45.4	45.4	48.7	50.2	53.3	50.6	51.4	53.9	51.4
47.6	49.1	47.4	47.0	45.4	45.5	49.8	50.4	53.5	50.2	53.0	53.0	52.4
48.0	49.1	47.5	46.7	44.8	45.8	49.9	49.7	52.4	50.0	55.0	52.7	51.6
48.5	49.2	47.6	47.6	44.5	45.8	49.8	50.0	52.1	50.1	56.4	52.3	51.6
47.6	48.3	47.7	47.7	44.3	45.6	50.1	49.9	51.2	50.5	57.3	52.2	51.8
48.4	48.4	47.7	47.7	44.6	46.6	51.5	49.6	51.0	50.0	58.1	52.4	51.0
48.5	47.5	47.6	46.8	44.2	47.2	52.7	49.7	50.9	50.8	58.6	52.0	50.7
48.9	46.9	47.6	46.4	43.6	47.7	53.6	49.7	50.5	51.1	58.5	52.3	51.0
48.6	46.7	47.7	46.8	44.8	47.8	53.0	50.8	50.6	50.9	57.9	52.2	51.3
48.6	46.6	47.6	47.0	45.6	48.6	52.0	51.6	50.6	51.1	57.0	51.7	51.9
48.5	47.3	47.4	46.7	45.4	48.5	51.4	52.8	51.0	51.1	55.9	51.6	51.9
49.5	47.6	47.8	45.4	45.3	48.4	50.9	53.4	51.0	51.1	54.6	51.7	52.0

HORIZONTAL FORCE.

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

52.1	51.0	52.0	53.0	59.1	54.2	54.8	55.7	57.0	55.6	54.0	55.7	55.4
51.4	51.1	52.0	53.3	57.8	53.9	55.1	55.7	57.1	55.6	53.8	55.3	55.4
51.3	51.6	52.3	53.3	57.0	54.3	55.2	55.7	56.8	55.5	53.6	55.2	55.3
51.1	51.3	52.8	53.5	56.2	54.1	57.3	55.7	57.0	55.6	54.6	55.3	54.8
51.1	51.8	53.1	54.1	55.9	54.5	56.5	55.5	56.5	55.3	55.7	55.4	54.3
51.6	52.1	53.5	57.0	55.0	54.3	56.3	56.8	56.2	55.0	53.9	55.4	54.0
61.1	61.0	60.2	60.0	59.5	59.0	59.0	59.2	59.5	59.2	58.7	58.7	58.2

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
21	22	0	30.042	50.5	48.0	N. by E.	Light.	0.13	Clear
	23	0	30.051	49.0	46.9	—	Calm.	—	Clear.
22	0	0	30.060	48.0	46.4	—	Calm.	—	Clear.
	1	0	30.054	48.0	47.4	—	Calm.	—	Clear.
	2	0	30.046	49.5	47.4	N. W. by N.	Light.	—	Clouds rising.
	3	0	30.026	49.5	47.1	N. W. by N.	Light.	0.25	Nearly clear.
	4	0	30.016	49.5	47.4	N. W. by N.	Moderate.	0.25	Nearly clear.
	5	0	30.002	50.5	48.0	N. W. by N.	Fresh.	1.00	Overcast.
	6	0	29.979	50.6	48.4	N. W. by N.	Moderate.	1.00	Overcast.
	7	0	29.973	50.0	47.6	N. W. by N.	Moderate.	1.00	Overcast.
	8	0	29.970	49.8	47.9	N. W. by N.	Moderate.	1.00	Overcast.
	9	0	29.953	50.5	49.2	N. W. by N.	Moderate.	1.00	Overcast; a light passing shower.

May 28th and 29th.			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		57.4	53.9	54.0	51.8	52.5	52.7	55.2	55.6	55.6	55.0	53.5
5	0		58.0	54.1	53.6	51.3	51.7	52.7	55.6	55.5	—	55.0	53.5
10	0		57.8	53.5	53.6	51.9	51.4	52.7	56.4	56.0	55.5	54.7	53.5
15	0		57.6	53.6	53.0	52.0	52.6	53.2	56.4	55.8	55.4	54.9	53.6
20	0		57.3	54.3	52.7	51.4	52.0	53.4	56.5	55.7	55.5	54.7	53.7
25	0		56.8	53.6	52.6	52.0	52.2	53.6	56.3	55.7	55.5	54.5	53.9
30	0		56.3	54.1	52.8	52.2	52.2	53.7	56.1	55.8	55.5	54.5	53.6
35	0		55.4	54.3	52.7	52.0	52.4	54.0	56.3	56.0	55.5	54.4	53.4
40	0		55.6	54.4	52.3	51.8	52.4	54.2	56.0	55.9	55.2	53.9	53.0
45	0		54.8	54.2	52.0	51.4	52.5	54.0	56.1	55.6	55.0	54.0	53.3
50	0		54.5	54.0	52.0	52.1	52.6	54.2	56.0	55.6	55.0	53.8	53.5
55	0		54.2	54.0	52.2	52.9	52.4	53.9	55.9	55.6	55.0	53.5	53.4

M. S.		One Scale Division = .000303 parts of the H. F.										
		HORIZONTAL FORCE.										
2	30	25.8	26.1	25.2	22.6	21.1	20.5	21.5	21.4	22.4	23.5	24.0
12	30	26.5	25.6	24.8	22.7	20.9	20.6	21.5	21.6	22.6	23.4	23.9
22	30	26.8	25.5	24.3	22.4	21.0	20.8	21.6	21.7	22.7	23.5	24.0
32	30	26.5	25.4	24.1	22.0	20.5	20.9	21.5	22.0	22.8	23.5	24.0
42	30	26.2	25.3	23.8	21.4	19.9	21.1	21.5	21.9	23.0	23.7	24.8
52	30	25.9	25.4	23.2	21.5	20.2	21.4	21.5	22.3	23.3	23.9	24.4

Thermometer	50 ^o .5	51 ^o .2	51 ^o .8	53 ^o .0	54 ^o .0	55 ^o .0	55 ^o .2	56 ^o .2	56 ^o .0	55 ^o .5	55 ^o .0

VERTICAL FORCE.											

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.	°	°				
28	10	0	29.084	42.5	40.8	N. W. by N.	Moderate.	.50	Partially clear.
	11	0	29.082	43.0	41.4	N.	Moderate.	.50	Partially clear.
	12	0	29.087	44.8	42.6	W. by N.	Fresh.	.25	Nearly clear.
	13	0	29.097	47.5	44.6	W. by N.	Fresh.	.25	Nearly clear.
	14	0	29.080	49.0	45.7	N. W. by N.	Moderate.	.25	Nearly clear.
	15	0	29.090	50.0	46.8	N. W. by N.	Fresh.	.25	Nearly clear.
	16	0	29.094	51.0	47.2	N. W. by W.	Moderate.	.25	Nearly clear.
	17	0	29.110	50.0	46.2	N. W. by W.	Moderate.	.38	Partially clouded.
	18	0	29.131	47.4	43.2	—	Squally.	.38	Passing squalls, with occasional rain.
	19	0	29.154	43.8	41.2	—	Squally.	.25	Passing squalls, with occasional rain.
	20	0	29.175	42.2	40.8	—	Squally.	.25	Passing squalls, with occasional rain.
	21	0	29.185	42.0	40.2	—	Squally.	.25	Passing squalls, with occasional rain.

MAGNETICAL OBSERVATIONS.

May 28th and 29th.

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.
53.4	52.4	52.5	52.3	51.3	49.2	51.0	52.9	53.2	53.4	53.4	53.3	52.6
53.5	52.4	52.5	52.5	50.4	49.0	51.3	52.1	53.9	53.3	53.2	53.1	52.6
53.5	52.4	52.7	52.6	49.9	48.6	51.4	52.2	53.1	53.4	52.9	53.3	52.6
53.4	52.4	52.5	52.8	50.2	48.7	51.7	52.7	53.1	53.5	52.7	53.1	52.7
53.4	52.6	52.5	52.8	50.8	48.8	51.8	52.8	53.2	53.5	53.2	53.0	52.6
53.5	52.5	52.5	53.1	51.1	49.0	52.0	52.2	53.6	53.5	53.3	53.0	52.7
53.4	52.6	52.7	52.8	50.9	49.8	52.0	51.8	53.5	53.8	53.4	52.9	52.6
52.9	52.7	52.7	52.9	50.8	50.3	51.9	51.9	53.5	53.6	53.5	52.7	52.5
53.0	52.6	52.7	52.3	50.6	50.9	51.8	52.2	53.5	53.7	53.5	52.5	52.6
52.9	52.7	52.6	51.9	50.2	51.0	52.0	52.1	53.4	53.5	53.2	52.4	52.4
52.5	52.7	52.5	51.9	49.5	50.8	52.3	52.7	53.1	53.5	53.3	52.6	52.4
52.5	52.5	52.3	51.6	49.0	50.5	52.6	53.0	53.2	53.5	53.1	52.6	52.2

HORIZONTAL FORCE.

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

24.1	24.5	24.7	24.6	24.7	25.6	24.8	24.6	24.8	25.3	25.7	26.1	26.1
24.0	24.5	24.6	24.8	25.2	25.7	24.5	24.9	24.8	25.4	25.8	26.0	26.0
24.5	24.5	24.6	24.9	25.2	24.9	24.7	25.0	25.1	25.5	25.8	26.1	26.2
24.2	24.6	24.7	24.7	24.9	24.9	24.5	24.7	25.1	25.8	25.8	26.1	26.2
24.3	24.6	24.8	24.6	24.5	25.3	24.6	24.8	25.3	25.5	26.0	25.9	26.4
24.3	24.4	24.7	24.5	24.9	25.2	24.7	24.7	25.2	25.8	26.0	26.0	26.4
53.0	53.0	52.0	51.6	51.0	51.0	50.6	50.2	50.0	49.6	49.4	48.8	48.0

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
28	22	0	In. 29.194	41.6	39.8	N. W. by N.	Strong.	—	Clear.
	23	0	29.210	41.5	40.5	N. W. by N.	Strong.	.25	Nearly clear.
29	0	0	29.222	41.2	39.5	N. W. by .	Strong.	.38	Partially clouded.
	1	0	29.300	40.8	39.1	N. W. by N.	Moderate.	.38	Partially clouded.
	2	0	29.257	39.6	38.2	N. W. by N.	Moderate.	.38	Partially clouded.
	3	0	29.808	39.0	37.5	N. W. by N.	Moderate.	.38	Partially clouded.
	4	0	29.800	38.5	37.6	N. W. by N.	Moderate.	—	Clear.
	5	0	29.818	38.0	37.5	N. W. by N.	Moderate.	—	Clear.
	6	0	29.818	39.0	36.2	N. W. by N.	Moderate.	—	Clear.
	7	0	29.828	38.0	36.2	N. W. by N.	Moderate.	—	Clear.
	8	0	29.834	37.8	36.0	N. W. by N.	Moderate.	—	Clear.
	9	0	29.850	38.0	36.8	N. W. by N.	Moderate.	.25	Nearly clear.

June 23rd and 24th.			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	49.9	48.7	49.1	50.7	49.6	52.5	52.9	54.8	54.8	51.9	50.9
5	0	49.5	48.9	49.3	50.2	49.7	52.5	53.3	54.4	54.8	52.2	50.5
10	0	49.2	48.7	49.4	50.3	50.0	51.9	53.2	54.2	54.4	52.2	50.9
15	0	48.5	49.4	49.1	49.7	49.9	51.2	53.0	54.3	53.7	51.6	49.7
20	0	48.6	49.7	49.4	50.1	50.2	50.9	53.0	54.1	53.3	51.7	49.4
25	0	49.0	49.8	50.4	50.0	50.3	51.3	53.6	54.5	52.6	52.4	49.0
30	0	49.5	49.5	50.3	50.9	50.6	51.0	54.3	54.5	52.4	51.6	48.4
35	0	48.7	49.2	50.6	50.6	51.5	51.0	53.7	54.6	52.5	51.5	47.7
40	0	48.5	49.6	50.9	49.9	51.8	50.9	53.3	54.8	52.6	51.4	48.3
45	0	48.8	49.2	50.3	49.8	52.4	50.7	53.3	55.0	52.1	51.5	49.0
50	0	48.6	49.0	50.7	49.7	52.8	51.6	54.2	55.4	51.4	51.2	48.7
55	0	48.7	49.3	50.1	49.3	53.0	52.1	54.9	55.6	52.2	51.2	49.0

M. S.		One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
2	30	27.1	26.4	24.8	24.3	23.5	22.7	23.0	22.2	22.3	22.5	21.2
12	30	26.9	26.4	25.0	23.3	23.5	22.6	22.7	22.4	21.8	22.3	20.5
22	30	26.8	26.2	24.4	23.5	23.4	22.8	22.4	22.6	21.7	22.5	20.9
32	30	26.3	25.9	24.4	23.5	23.2	22.4	21.9	22.8	22.3	23.4	21.5
42	30	26.9	25.8	24.4	23.4	23.1	22.3	22.0	23.4	22.4	23.2	22.2
52	30	26.4	25.6	24.3	23.4	23.1	22.7	22.5	23.0	22.7	22.1	22.9

Thermometer											
	48.0	49.0	50.0	50.8	51.6	52.2	52.6	53.5	54.2	55.0	55.0

VERTICAL FORCE.											

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.	°	°						
23	10	0	29.732	41.6	40.4	N. W. by N.	Light.	1.00	Overcast and gloomy.		
	11	0	29.754	41.8	41.1	—	—	1.00	Overcast and gloomy.		
	12	0	29.781	43.5	42.5	—	Calm.	1.00	Overcast.		
	13	0	29.796	45.2	44.5	N. W.	Light.	1.00	Sky clearing.		
	14	0	29.812	47.5	45.3	N. W. by N.	Light.	1.00	Overcast.		
	15	0	29.818	49.0	46.2	—	Calm.	1.00	Overcast.		
	16	0	29.824	49.6	47.0	—	—	1.00	Overcast.		
	17	0	29.827	50.8	47.6	—	—	1.00	Overcast.		
	18	0	29.858	50.4	46.8	—	—	.50	Inclined to rain.		
	19	0	29.866	48.5	45.6	—	—	.50	Inclined to rain.		
	20	0	29.896	46.8	45.4	S. by W.	—	.50	Inclined to rain.		
	21	0	29.924	46.5	45.3	N. W. by N.	Light.	.25	Fair.		

MAGNETICAL OBSERVATIONS.												June 23rd and 24th.	
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.	
49.0	50.4	41.2	46.1	47.0	46.9	47.5	48.7	48.0	50.4	50.9	50.6	49.7	
49.1	50.3	41.2	46.3	47.3	47.0	47.3	49.6	47.6	49.9	50.6	50.6	50.0	
49.2	50.0	43.9	47.3	—	46.9	47.6	50.1	48.0	49.8	50.9	50.5	50.3	
49.5	50.1	47.3	47.9	47.0	46.7	47.1	49.9	48.7	50.0	50.8	50.5	50.2	
49.9	49.9	48.2	48.0	46.5	47.4	47.2	48.9	49.0	49.9	50.1	50.5	50.0	
50.2	49.9	48.3	48.3	46.6	47.9	47.5	47.5	49.3	49.6	50.4	50.4	49.9	
50.8	49.7	48.8	47.7	46.6	47.9	47.6	47.3	49.5	50.5	50.5	50.0	49.9	
51.1	49.1	48.7	47.1	46.6	48.1	47.6	46.9	50.1	50.3	51.0	50.0	50.4	
51.2	42.5	49.0	46.6	46.4	48.0	47.6	47.4	49.6	50.5	50.8	49.5	50.4	
51.3	41.5	49.6	47.4	46.5	48.0	48.0	48.0	49.9	50.1	51.0	50.1	50.3	
51.0	40.7	48.6	47.9	47.0	47.9	48.7	48.5	50.0	50.0	51.0	50.0	50.2	
50.6	44.0	46.1	47.4	46.8	47.8	48.5	48.9	50.7	50.1	50.9	49.5	49.9	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.	
23.0	23.4	26.1	22.0	22.4	23.4	23.6	25.5	25.4	24.5	24.9	25.5	25.5	
22.9	23.5	30.1	22.4	22.9	23.4	23.5	27.0	25.0	24.5	25.0	25.5	25.6	
22.9	23.5	27.6	22.4	23.3	23.3	23.9	26.3	24.9	24.4	24.9	25.9	25.7	
23.0	22.5	25.6	22.3	23.0	23.3	23.9	25.4	24.9	24.6	25.0	25.9	25.6	
23.2	22.5	25.2	22.5	22.9	23.7	23.5	25.7	24.5	24.3	25.3	25.8	25.4	
23.1	22.8	22.0	22.2	23.6	23.8	23.6	26.1	24.5	24.7	25.4	25.6	25.8	
54.8	55.0	54.5	54.5	54.0	53.3	52.2	52.2	52.2	51.2	51.0	51.0	51.0	

VERTICAL FORCE.												

Declination and increasing Horizontal 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	29.946	46.0	45.4	—	Calm.	.38	Partially clear.		
	23	0	29.966	45.5	44.8	—	Calm.	.38	Clear.		
24	0	0	29.973	44.2	42.4	—	Calm.	—	Clear.		
	1	0	29.992	42.5	41.7	—	Calm.	—	Clear.		
	2	0	29.999	40.8	39.7	—	Calm.	—	Very clear.		
	3	0	30.022	40.0	39.7	—	Calm.	—	Very clear; dew falling.		
	4	0	30.016	39.5	38.8	—	Calm.	—	Clear.		
	5	0	30.030	38.5	37.6	W. N. W.	Light.	—	Clear.		
	6	0	30.029	38.0	37.8	—	Calm.	—	Clear; a very heavy dew falling.		
	7	0	30.031	38.5	38.5	—	Calm.	.13	Fair.		
	8	0	30.039	38.5	38.5	N. W. by N.	Light.	.13	Fair.		
	9	0	30.057	39.0	38.5	N.W. by W.	Light.	.13	Fair.		

July 21st and 22nd.			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		65.1	65.1	63.6	63.4	63.6	64.4	66.4	72.0	69.3	66.4	66.0
5	0		64.6	65.1	63.4	63.1	63.9	64.2	66.4	71.4	69.3	63.8	66.9
10	0		64.9	64.7	64.0	63.2	63.9	64.4	66.1	71.4	69.6	60.2	67.1
15	0		65.1	64.6	63.8	63.1	63.7	65.0	65.5	71.8	70.2	61.0	67.6
20	0		65.3	64.4	63.1	63.5	63.1	64.9	65.5	71.8	70.3	61.3	68.5
25	0		65.4	64.5	63.3	63.4	63.3	65.0	66.2	71.8	70.2	61.5	68.5
30	0		65.4	64.3	63.2	63.3	63.5	65.5	68.0	71.7	70.5	62.1	68.5
35	0		65.6	64.0	63.2	63.4	64.0	65.1	68.8	70.1	70.7	62.0	68.5
40	0		65.5	64.0	63.0	63.1	64.5	65.3	69.8	68.8	70.1	61.9	67.3
45	0		65.3	63.9	63.2	63.5	64.9	65.4	70.2	68.5	69.3	62.2	65.2
50	0		65.5	63.8	—	63.7	65.0	65.3	70.6	69.9	69.0	63.2	60.0
55	0		65.4	63.9	63.5	63.9	64.5	65.3	71.1	69.0	69.1	65.0	56.6
			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		23.4	23.9	23.8	23.3	22.4	17.9	14.0	15.2	18.6	15.9	19.2
12	30		23.2	23.8	22.8	23.3	21.8	16.9	14.4	16.2	18.7	18.4	18.8
22	30		23.2	23.9	24.0	23.2	20.7	16.1	15.0	16.2	18.2	19.0	17.8
32	30		23.5	23.8	23.6	23.1	20.4	15.3	15.3	14.1	18.1	19.2	17.8
42	30		24.0	23.9	23.5	22.9	20.2	14.6	14.7	16.2	17.8	19.1	16.9
52	30		24.0	23.7	23.6	22.7	19.3	14.1	15.1	18.3	18.5	19.2	16.9
Thermometer			43.5	43.8	44.6	45.0	46.0	46.8	48.0	49.0	50.0	50.0	50.1
VERTICAL FORCE.													
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	30.391	37.2	35.9	N.W. by W.	Fresh.	1.00	Overcast and gloomy.				
	11	0	30.421	37.8	36.5	N.W. by W.	Fresh.	1.00	Overcast and gloomy.				
	12	0	30.427	39.8	39.0	N.W. by N.	Moderate.	1.00	Overcast and gloomy.				
	13	0	30.431	42.0	39.5	N.W. by N.	Fresh.	—	Sky clearing a little.				
	14	0	30.417	43.7	40.8	N.W. by N.	Moderate.	0.38	- - -				
	15	0	30.394	45.0	41.7	N.W. by N.	Moderate.	0.13	Very much cleared of clouds.				
	16	0	30.384	46.0	43.2	N.W. by N.	Moderate.	0.25	- - -				
	17	0	30.366	47.2	43.8	N.W. by N.	Moderate.	0.25	- - -				
	18	0	30.379	47.2	43.8	N.W. by N.	Light.	—	Clouds gathering all round.				
	19	0	30.385	46.0	42.8	N.W. by N.	Light.	—	- - -				
	20	0	30.387	44.0	41.8	—	—	—	Generally overcast.				
	21	0	30.398	42.0	40.2	—	—	—	Generally overcast.				

MAGNETICAL OBSERVATIONS.

July 21st and 22nd.

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 .
Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.
57.5	63.2	64.5	63.4	62.8	62.8	62.7	65.4	65.3	65.8	66.4	65.5	65.5
58.6	63.5	64.4	63.5	62.6	62.4	63.1	65.1	65.6	66.1	66.7	66.0	65.5
58.8	63.6	64.1	63.5	62.7	62.5	63.2	65.2	66.0	66.0	66.2	65.6	65.4
58.3	64.9	63.8	63.2	62.7	62.8	63.9	65.3	66.1	65.6	66.1	65.7	65.0
59.1	65.1	63.7	63.2	63.0	63.0	64.2	65.4	66.4	65.4	66.5	65.5	64.5
61.4	65.1	63.6	63.5	63.1	63.2	64.9	65.6	67.2	65.6	65.6	65.9	64.4
61.9	65.3	63.7	63.3	63.0	63.1	65.0	65.5	65.9	65.5	65.8	65.8	64.2
62.7	65.8	63.5	63.1	63.0	62.8	64.5	65.4	65.6	65.9	65.6	65.6	63.6
62.6	65.5	63.4	63.2	62.6	63.7	64.6	65.6	65.5	66.1	65.7	65.4	63.5
62.6	65.2	63.4	62.9	62.6	63.7	64.8	65.6	67.0	65.9	65.5	65.3	63.6
63.5	65.0	63.3	62.9	62.7	63.7	65.3	—	65.3	65.6	65.5	65.5	64.0
62.6	64.9	63.2	62.8	63.0	63.5	65.5	65.6	65.8	66.2	65.5	65.6	64.5

HORIZONTAL FORCE.

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

20.1	14.5	19.3	19.9	19.8	19.5	19.9	20.3	19.9	20.0	19.7	20.6	21.5
19.0	16.6	19.6	19.9	19.4	19.3	19.7	20.0	19.9	19.9	20.1	20.6	21.6
18.5	17.0	19.7	19.9	19.5	19.5	19.5	19.9	20.1	19.9	20.2	20.5	21.6
17.9	18.0	19.8	20.0	19.5	19.4	19.9	20.0	20.1	19.9	20.2	20.7	21.5
16.3	18.8	19.8	20.0	19.5	20.0	20.0	20.0	19.9	19.9	20.4	21.0	21.2
14.3	19.3	19.9	20.0	20.1	20.4	20.4	19.9	19.9	20.1	20.5	21.3	21.1
50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.0	49.8	50.0	49.0	48.4	48.4

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
21	22	0	30.406	42.0	40.6	N. W. by N.	Moderate.	—	Generally overcast.
	23	0	30.407	42.2	40.8	N. W. by N.	Light.	—	Generally overcast.
22	0	0	30.460	42.2	40.8	N. W. by N.	Moderate.	—	Generally overcast.
	1	0	30.409	42.2	40.8	N. W. by N.	Moderate.	—	Generally overcast.
	2	0	30.403	41.8	40.5	N. W. by W.	Light.	1.00	Overcast.
	3	0	30.393	41.4	39.8	N. W. by W.	Light.	0.38	Partially clear.
	4	0	30.378	40.6	39.8	N. W. by W.	Light.	0.38	Partially clear.
	5	0	30.376	40.2	39.0	N. W. by N.	Moderate.	—	Clear.
	6	0	30.366	38.8	37.0	N. W. by N.	Light.	—	Clear.
	7	0	30.369	38.2	37.4	N. W. by N.	Light.	—	Perfectly clear.
	8	0	30.371	37.5	36.6	N. W. by N.	Light.	—	Perfectly clear.
	9	0	30.386	37.0	36.2	N. W. by W.	Moderate.	—	A few light clouds over the North shore.

August 27th and 28th.			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		10.1	17.1	10.9	12.5	15.5	17.4	19.1	20.6	22.0	18.2	18.6
5	0		10.5	16.9	11.1	12.5	15.6	17.7	20.0	21.2	20.3	18.4	18.5
10	0		11.1	16.5	11.6	14.7	16.3	17.0	20.0	21.3	20.0	18.7	18.9
15	0		12.2	14.5	11.4	7.8	16.6	17.1	19.5	22.1	19.5	19.0	19.0
20	0		12.6	14.5	10.8	10.0	16.8	17.0	19.1	21.6	19.1	19.6	18.7
25	0		12.1	13.9	10.5	12.0	17.0	17.4	19.0	21.9	19.4	20.6	19.2
30	0		11.9	13.5	10.5	13.5	17.0	17.6	18.6	22.3	19.0	21.6	18.7
35	0		13.0	11.9	10.5	16.3	17.0	18.0	19.6	22.0	18.6	21.5	—
40	0		12.6	12.4	10.2	13.2	17.1	18.1	20.7	22.5	18.2	21.0	18.4
45	0		14.5	11.6	10.1	13.5	17.5	18.6	21.1	22.6	18.5	20.1	18.7
50	0		15.6	11.4	11.1	14.5	17.6	18.8	21.3	22.4	18.2	19.3	19.4
55	0		16.4	11.4	11.9	15.3	17.5	19.0	20.3	22.2	18.5	18.8	19.0
			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		37.0	37.3	38.0	34.9	37.2	37.5	37.0	36.0	33.9	35.7	34.2
12	30		36.9	37.3	38.1	33.7	37.5	36.7	36.7	36.2	33.7	36.0	34.2
22	30		36.7	38.2	37.5	34.7	37.5	36.3	35.7	35.3	32.4	35.2	34.4
32	30		36.5	38.2	36.5	35.9	37.5	36.7	35.4	33.1	31.2	34.1	34.7
42	30		36.2	38.3	34.8	35.8	37.5	36.6	36.5	32.6	33.4	33.9	33.8
52	30		36.7	38.7	34.9	37.4	36.9	36.8	36.0	33.1	34.3	34.4	33.5
Thermometer			47.5	47.6	48.6	49.0	50.2	52.0	52.7	52.8	52.8	50.3	53.0
VERTICAL FORCE.													
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.	°	°								
27	10	0	29.220	38.0	36.8	N. W. by N.	Moderate.	—	Passing showers, fine weather in the intervals.				
	11	0	29.243	39.8	38.6	N. W. by N.	Moderate.	—	Passing showers, fine weather in the intervals.				
	12	0	29.263	39.5	37.8	N. W. by N.	Moderate.	—	Passing showers, fine weather in the intervals.				
	13	0	29.282	41.8	39.4	N. W. by W.	Fresh.	—	Showers occasionally.				
	14	0	29.271	44.0	39.8	N. W. by N.	Moderate.	—	Passing light squalls.				
	15	0	29.293	46.5	40.8	W. by N.	Moderate.	—	Snow showers occasionally.				
	16	0	29.339	45.5	39.5	W. by N.	Fresh.	—	Snow squalls.				
	17	0	29.361	47.0	40.1	N. W. by W.	Squally.	—	Alternately clear and cloudy, with snow.				
	18	0	29.403	46.0	39.0	W.	Moderate.	0.38	—				
	19	0	29.446	42.4	37.0	W. by N.	Moderate.	0.25	Dark heavy clouds in the west.				
	20	0	29.459	40.4	36.4	N. W. by W.	Moderate.	—	Partially overcast, passing snow squalls.				
	21	0	29.483	38.1	35.4	W. by N.	Fresh.	1.00	Overcast, passing squalls.				

MAGNETICAL OBSERVATIONS.

August 27th and 28th

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.
18.4	16.6	3.7	9.5	9.5	12.1	16.5	9.9	12.2	14.8	14.0	12.5	13.0
18.6	17.3	5.2	9.0	8.5	12.3	15.3	9.9	12.0	15.1	13.2	11.5	13.0
18.4	17.2	4.5	10.6	8.4	12.0	13.6	10.5	11.6	15.4	12.5	11.1	13.4
18.1	17.0	3.5	10.8	9.4	11.5	11.5	10.9	11.8	15.1	11.6	10.1	14.0
18.0	16.6	3.3	12.7	9.6	11.0	10.4	11.4	11.6	15.0	11.5	10.4	13.5
17.6	15.5	4.4	12.5	9.5	11.0	9.3	11.8	12.3	15.0	11.4	10.3	13.4
17.6	12.2	5.1	12.0	9.2	11.8	9.0	12.5	12.5	14.6	11.2	10.5	12.5
17.5	6.8	4.9	11.1	9.4	13.2	8.8	12.8	12.7	15.1	11.0	12.0	12.2
17.0	2.6	4.4	10.2	10.0	15.0	9.0	12.9	14.3	14.6	13.0	12.1	11.9
16.2	2.1	9.1	9.9	10.5	16.5	9.8	12.5	13.6	14.0	13.4	12.1	11.9
16.4	1.5	12.4	10.1	10.7	16.9	10.0	12.1	13.4	13.6	13.0	12.2	12.1
16.5	3.0	10.0	10.4	12.0	17.4	10.2	11.9	14.0	13.5	12.7	12.7	11.9

HORIZONTAL FORCE.

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

34.0	36.0	39.1	32.5	35.0	36.4	40.3	36.5	36.9	39.8	39.0	38.4	39.0
34.9	35.6	38.4	32.4	34.6	36.2	38.3	36.2	37.0	40.0	38.2	38.5	38.9
34.8	34.9	39.1	32.6	34.8	36.5	37.5	36.4	36.9	40.0	37.8	38.5	39.0
34.5	32.7	36.6	33.8	34.2	37.6	37.4	37.2	36.8	40.0	37.5	38.5	39.0
34.5	34.6	35.3	34.3	34.3	38.9	37.5	37.0	37.7	39.9	38.4	38.5	39.0
35.5	38.2	32.7	35.8	35.9	41.0	37.5	36.9	38.6	39.8	38.4	38.7	38.7
52.0	52.0	50.5	50.2	50.0	49.4	49.0	49.0	48.8	48.0	48.8	48.2	48.0

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
27	22	0	29.528	38.0	36.4	W. by N.	Moderate.	1.00	Overcast, with rain.
	23	0	29.569	36.8	35.6	—	Calm.	1.00	Overcast.
28	0	0	29.595	36.8	36.2	N. W. by N.	Light.	—	Sky much cleared, occasional rain.
	1	0	29.628	36.8	36.3	N. W. by N.	Light.	—	Heavy rain.
	2	0	29.656	37.5	36.6	W. by N.	Light.	0.75	Rain.
	3	0	29.658	37.5	35.9	N. W. by N.	Light.	0.38	Partially clear.
	4	0	29.676	38.0	35.7	W. by S.	Light.	0.38	Partially clear.
	5	0	29.678	38.0	36.1	N. W. by N.	Fresh.	0.25	Partially clear.
	6	0	29.697	39.0	36.8	N. W. by N.	Moderate.	0.62	Nearly overcast
	7	0	29.711	39.3	37.0	N. W. by N.	Moderate.	0.62	Nearly overcast.
	8	0	29.731	39.8	37.6	N. W. by N.	Moderate.	0.62	Nearly overcast.
	9	0	29.745	39.5	37.4	N. W. by N.	Moderate.	0.62	Nearly overcast.

September 22nd and 23rd.			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		6.0	3.7	2.1	3.2	6.1	9.5	11.9	11.8	13.3	11.4	10.1
5	0		6.5	3.5	1.9	3.3	6.5	9.5	11.9	11.8	12.9	11.1	9.7
10	0		5.7	3.3	1.9	3.4	6.6	9.9	11.7	12.0	12.7	11.0	9.6
15	0		5.5	2.9	2.2	3.7	7.2	10.2	11.3	12.3	12.7	10.8	9.4
20	0		6.0	2.8	2.1	3.6	7.4	10.2	11.4	12.1	12.6	10.6	8.9
25	0		5.9	2.8	2.2	3.9	7.6	10.2	11.6	12.8	12.7	10.5	8.5
30	0		5.1	2.6	1.8	4.0	8.0	10.8	11.7	13.0	12.4	10.3	8.3
35	0		4.9	3.4	2.0	4.4	8.2	10.9	11.7	13.2	12.3	10.3	8.6
40	0		4.5	2.1	2.4	4.9	8.5	10.9	11.6	13.3	12.0	10.5	8.9
45	0		4.3	2.2	2.4	5.2	9.0	10.8	11.8	13.1	12.1	10.5	8.9
50	0		3.9	1.6	2.3	5.4	9.1	10.9	11.9	13.4	12.2	10.4	9.0
55	0		3.9	1.9	2.5	5.7	9.2	11.1	11.9	13.3	12.0	10.4	8.4

M. S.		One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
2	30	59.9	61.4	60.8	60.1	59.7	59.6	59.7	58.4	57.5	57.7	57.5
12	30	60.2	61.1	60.9	59.8	59.5	59.5	58.6	58.4	57.5	57.9	57.1
22	30	60.9	61.2	60.6	59.5	59.4	59.0	58.5	59.3	57.8	57.5	57.3
32	30	61.1	61.2	60.4	59.6	59.6	59.4	58.5	59.5	57.7	57.5	57.2
42	30	61.3	60.7	60.4	59.5	59.5	59.4	58.4	59.1	57.9	57.6	57.7
52	30	61.4	61.0	60.0	59.6	59.5	58.9	58.6	58.7	58.0	57.8	57.5

Thermometer	51° 2'	51° 6'	52° 2'	53° 0'	53° 2'	54° 2'	55° 0'	57° 0'	57° 5'	58° 0'	58° 0'

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	29.691	45.0	44.0	—	Calm.	1.00	Overcast and gloomy.		
	11	0	29.641	46.2	45.2	S. W. by W.	Light.	1.00	Overcast; drizzling rain.		
	12	0	29.589	47.2	46.6	—	—	1.00	Overcast; drizzling rain.		
	13	0	29.559	48.8	48.7	N. by E.	—	1.00	Overcast; drizzling rain.		
	14	0	29.509	53.8	50.8	N. by E.	Light.	1.00	Overcast and gloomy; drizzling rain.		
	15	0	29.435	56.0	51.6	N. E. by N.	Fresh.	1.00	Overcast.		
	16	0	29.399	58.5	53.2	N. by E.	—	1.00	Overcast and gloomy; inclining to rain.		
	17	0	29.365	59.5	53.7	N. E. by S.	Light.	1.00	Overcast and gloomy; inclining to rain.		
	18	0	29.361	58.2	53.5	N. by W.	Light.	1.00	Overcast and gloomy; rain.		
	19	0	29.365	57.0	53.7	N. by E.	Light.	1.00	Overcast and gloomy; inclining to rain.		
	20	0	29.365	56.0	53.1	N. by E.	Moderate.	—	Sky clearing to the northward.		
	21	0	29.380	54.6	49.4	N. by W.	Light.	0.62	Nearly overcast.		

MAGNETICAL OBSERVATIONS.

September 22nd and 23rd.

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.
8.2	3.9	3.5	5.8	6.7	7.0	6.7	6.3	8.6	7.4	8.4	7.1	4.8
7.6	4.4	3.5	5.9	6.8	7.0	6.7	6.2	8.4	7.4	8.4	7.1	5.1
7.5	5.2	3.5	6.0	7.0	7.1	7.1	6.6	7.9	7.7	8.5	6.8	4.8
6.4	5.6	3.5	6.2	7.0	7.1	7.0	6.7	7.8	7.4	8.0	6.7	4.6
4.6	6.2	3.5	6.0	7.0	7.1	7.0	6.8	7.6	6.6	7.6	6.6	5.4
4.0	6.7	4.4	6.4	7.0	7.1	6.8	6.9	7.1	5.6	7.4	6.6	6.0
4.4	6.4	4.8	6.6	7.0	7.1	6.6	7.0	6.9	6.6	7.2	6.5	5.8
2.5	5.6	5.0	6.8	7.0	7.2	6.8	7.4	6.7	6.5	6.9	6.6	5.8
1.5	4.6	5.0	7.0	—	7.1	6.5	7.7	6.8	6.5	6.7	5.8	5.0
2.5	3.6	5.2	6.7	6.8	7.1	6.6	7.9	6.6	7.0	6.8	5.5	4.6
2.8	3.3	5.3	6.8	7.1	7.1	6.3	7.9	6.6	7.8	7.0	5.3	5.3
3.4	3.5	5.7	6.8	7.1	6.7	6.4	8.4	7.1	8.2	7.0	5.1	4.7

HORIZONTAL FORCE.

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

57.2	58.4	58.4	58.2	58.6	59.1	58.7	59.0	59.5	59.8	60.2	60.8	61.2
57.3	57.9	58.3	58.2	58.8	59.0	59.2	59.0	60.1	60.4	60.8	60.9	61.0
57.4	58.1	58.3	58.2	58.9	58.9	59.1	59.0	59.9	60.5	60.9	60.9	61.1
57.3	58.5	58.4	58.8	59.0	58.9	59.2	59.1	59.9	60.0	60.5	61.1	61.3
58.2	57.7	58.3	58.6	59.0	58.9	59.3	59.3	59.9	59.9	60.4	61.1	61.4
58.3	58.1	58.2	58.5	59.0	59.0	59.0	59.0	60.0	60.0	60.5	61.2	61.5
58.0	58.1	58.0	57.7	57.2	57.0	56.6	56.0	55.2	55.0	54.0	53.5	53.0

VERTICAL FORCE.

Declination and increasing Horizontal Force.

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	29.409	52.8	48.7	—	—	—	The sky clearing.
	23	0	29.438	49.8	47.0	N. W. by N.	Moderate.	1.00	Overcast.
23	0	0	29.429	49.2	47.2	N. W. by N.	Moderate.	—	Clear.
	1	0	29.421	48.2	45.6	N. W. by N.	Moderate.	—	Clear.
	2	0	29.418	47.5	45.2	—	—	—	Clear.
	3	0	29.421	45.6	44.2	—	—	—	Clear.
	4	0	29.415	45.2	44.0	N. W. by N.	Light.	—	Clear.
	5	0	29.391	45.0	43.1	—	Calm.	—	Clear.
	6	0	29.384	43.8	42.0	—	Calm.	0.25	Nearly clear.
	7	0	29.368	42.5	41.1	—	Calm.	0.25	Nearly clear.
	8	0	29.372	41.0	39.9	—	Calm.	—	Clear.
	9	0	29.366	40.8	40.2	—	Calm.	—	Clear.

October 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.	
0	0		25.2	23.3	25.2	30.4	32.3	39.9	40.3	41.9	41.9	47.6	36.8
5	0		25.5	23.4	25.1	30.5	32.5	40.0	40.6	41.2	43.8	44.5	36.8
10	0		25.8	23.5	25.8	30.5	32.9	39.3	41.2	41.5	42.7	43.3	36.6
15	0		26.2	23.8	26.1	30.5	32.8	39.5	41.2	41.7	42.5	44.6	36.2
20	0		25.8	23.9	26.6	30.6	32.9	39.2	42.6	41.4	43.1	45.3	36.0
25	0		25.0	24.0	26.8	31.0	33.2	40.2	41.9	42.0	45.2	45.5	35.4
30	0		24.4	24.0	27.1	31.1	33.0	39.8	42.5	42.3	45.7	43.7	35.2
35	0		24.0	24.2	27.6	31.0	35.5	39.1	42.2	42.6	45.6	41.2	35.0
40	0		24.1	24.5	28.3	31.1	37.0	39.5	42.2	42.1	44.0	40.2	34.2
45	0		23.7	24.5	28.5	31.5	38.3	39.6	42.4	42.1	43.4	38.3	34.2
50	0		23.0	24.5	29.5	31.7	39.0	39.6	41.6	41.6	43.5	36.8	33.8
55	0		23.3	24.6	30.3	32.1	39.2	40.1	42.2	41.7	45.4	36.7	34.0
M. S.			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
			51.8	50.5	47.9	47.9	48.8	50.5	54.0	57.3	57.7	52.5	51.7
12	30		51.6	50.4	47.5	48.3	49.4	51.8	54.8	57.2	59.6	49.6	52.7
22	30		51.5	50.3	47.0	48.4	49.2	52.8	53.2	56.7	54.4	48.4	53.0
32	30		51.5	49.9	47.1	48.3	48.9	53.7	52.8	56.3	51.4	46.3	53.0
42	30		51.3	49.6	47.1	47.9	48.6	54.0	53.4	55.9	48.8	47.5	53.8
52	30		50.6	48.7	47.5	48.4	49.4	53.7	56.1	54.3	49.1	51.0	53.5
Thermometer			58.5	58.2	58.2	58.0	58.0	58.2	58.5	58.0	57.8	57.8	57.5
VERTICAL FORCE.													
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.	°	°								
20	10	0	29.897	48.5	46.8	S. E. by S.	Light.	—	Heavy rain.				
	11	0	29.912	48.5	46.8	S. E. by S.	Light.	1.00	Overcast and gloomy; continued rain.				
	12	0	29.920	48.8	46.8	S. by W.	Light.	1.00	Overcast and gloomy; continued rain.				
	13	0	29.908	49.8	48.0	S. by W.	Light.	1.00	Rain.				
	14	0	29.890	51.0	48.2	S. by W.	Squally.	1.00	Rain.				
	15	0	29.877	51.0	48.2	S. by E.	Squally.	1.00	Rain, overcast and gloomy.				
	16	0	29.866	52.0	48.4	S. by E.	Moderate.	1.00	Rain, overcast and gloomy.				
	17	0	29.854	50.0	48.0	S. by E.	Moderate.	1.00	Rain, overcast and gloomy.				
	18	0	29.857	49.5	48.0	S. E. by S.	Light.	1.00	Overcast and gloomy, with heavy rain.				
	19	0	29.863	48.8	47.1	S. E. by S.	Light.	1.00	Overcast and gloomy, with heavy rain.				
	20	0	29.863	48.0	46.8	S. by E.	Light.	1.00	Overcast and gloomy; rain.				
	21	0	29.864	47.5	46.5	S. E. by S.	Light.	1.00	Rain.				

MAGNETICAL OBSERVATIONS.

October 20th and 21st.

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.
34.6	30.0	30.5	25.0	27.3	21.6	26.7	29.1	32.1	31.4	36.9	31.2	28.3
34.8	29.5	29.9	25.8	25.3	22.1	23.5	29.2	32.0	31.6	35.7	30.9	27.5
34.1	30.2	29.2	25.8	17.6	24.2	21.7	29.8	30.8	32.1	34.5	30.1	27.8
34.1	30.5	29.0	26.7	8.4	26.5	21.1	30.2	29.3	32.0	34.2	29.8	27.2
34.2	30.6	28.5	26.4	8.5	26.5	21.3	30.3	28.5	30.6	34.3	30.3	27.3
34.4	30.9	27.5	26.2	17.7	25.3	20.6	29.9	28.0	30.6	34.7	29.9	26.7
33.7	31.0	26.2	26.2	25.2	23.3	19.8	29.8	27.7	30.5	35.4	29.8	26.4
32.6	31.1	25.2	25.4	28.9	24.0	20.1	30.3	28.0	32.3	35.4	30.1	26.5
31.9	30.0	24.2	25.3	31.4	25.1	21.1	30.3	28.4	35.3	34.2	29.9	26.6
31.7	30.0	23.4	25.2	29.8	27.0	21.9	30.2	29.9	37.6	33.7	29.3	26.6
31.6	30.9	23.6	26.0	25.7	28.7	25.4	30.8	31.1	38.4	32.2	28.9	26.6
31.0	30.9	24.3	27.0	22.4	28.0	27.9	31.3	31.4	38.3	31.9	28.4	26.1

HORIZONTAL FORCE.

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

53.6	49.6	52.9	51.8	51.3	57.1	52.0	49.1	52.0	52.0	53.5	51.5	51.8
52.4	51.6	52.5	52.2	52.0	58.4	51.8	49.2	51.5	52.0	53.6	52.0	51.7
53.0	51.3	52.4	52.4	63.2	55.5	52.3	50.4	51.4	51.4	53.6	51.4	51.9
51.0	51.8	53.1	51.8	64.1	54.4	52.8	51.3	51.9	50.7	53.2	51.8	51.5
49.8	51.6	52.0	51.5	58.5	54.6	52.4	51.4	52.1	51.9	52.7	51.6	51.6
48.7	52.4	51.3	52.5	54.7	53.3	50.1	51.3	52.1	53.1	51.3	51.7	51.5
57.0	57.0	57.5	57.0	56.6	56.5	56.5	56.5	—	55.5	56.5	55.0	55.0

VERTICAL FORCE.

Declination and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
20	22	0	In. 29.876	° 47.2	° 45.6	S. E. by S.	Light.	1.00	Continued rain.
	23	0	29.897	46.8	45.8	S. by W.	Moderate.	1.00	Rain.
21	0	0	29.899	46.6	45.8	S. by W.	Moderate.	1.00	Rain.
	1	0	29.887	46.2	45.4	S. by W.	Moderate.	1.00	Continued rain.
	2	0	29.887	46.4	45.4	S. by W.	Light.	1.00	Continued rain.
	3	0	29.885	46.0	45.0	S. by W.	Light.	1.00	Continued rain.
	4	0	29.880	45.6	44.4	S. W. by S.	Light.	1.00	Continued rain.
	5	0	29.868	46.1	44.9	S. E. by S.	Light.	1.00	Overcast ; light drizzling rain.
	6	0	29.871	46.4	45.0	S. E. by S.	Light.	1.00	Overcast ; light drizzling rain.
	7	0	29.885	46.2	45.0	S. S. W.	Light.	1.00	Overcast and gloomy ; a little rain.
	8	0	29.908	46.2	45.0	S. E. by S.	Light.	1.00	Overcast and gloomy.
	9	0	29.916	47.0	45.7	S. E. by S.	Light.	1.00	Overcast and gloomy ; rain ceased.

November 26th and 27th.		MAGNETICAL OBSERVATIONS.										
		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	11.8	10.1	11.1	13.7	18.1	22.9	28.5	27.9	25.0	22.5	19.9
5	0	12.2	10.0	11.3	14.3	18.6	23.4	28.5	27.8	24.5	22.4	19.6
10	0	12.2	10.1	11.6	14.6	18.6	23.9	28.3	27.9	24.2	22.2	19.3
15	0	12.1	9.8	11.5	14.8	19.1	24.2	27.9	27.9	23.7	22.0	19.2
20	0	11.1	10.1	11.6	15.2	19.5	25.4	27.8	27.6	23.4	21.6	18.9
25	0	11.0	10.0	11.8	15.2	20.1	25.7	28.0	27.4	23.4	21.4	18.8
30	0	11.8	10.1	11.8	15.1	20.9	26.5	28.4	27.0	23.2	21.2	18.7
35	0	10.9	10.3	12.1	15.4	21.1	27.0	28.3	26.8	22.9	20.8	18.8
40	0	11.2	10.5	12.5	16.2	21.1	27.2	28.2	26.5	22.8	20.5	19.0
45	0	10.5	10.4	13.3	16.9	21.4	27.7	28.0	26.2	22.7	20.2	18.6
50	0	10.0	10.8	13.5	17.0	22.0	28.2	27.8	26.2	22.6	20.1	18.4
55	0	10.2	11.1	13.7	17.6	22.3	28.4	27.9	25.6	22.6	19.9	18.1

		One Scale Division = .000303 parts of the H. F.						HORIZONTAL FORCE.				
M.	S.											
2	30	66.6	65.1	62.3	59.5	58.2	58.8	61.4	63.7	64.2	62.9	62.1
12	30	66.1	64.4	61.7	59.5	57.9	59.0	61.4	64.2	64.3	62.5	61.8
22	30	65.9	64.2	61.2	58.9	57.9	60.0	62.4	64.3	64.5	62.5	61.5
32	30	65.7	63.6	60.7	58.3	58.0	60.2	63.5	64.4	63.9	62.6	61.1
42	30	65.5	62.9	60.8	58.4	58.0	60.3	63.4	64.2	63.4	62.2	61.5
52	30	65.7	62.7	60.1	58.4	58.4	61.0	63.6	64.4	63.0	62.2	61.5

Thermometer	58.0	57.6	59.8	62.0	63.8	65.0	65.0	65.8	66.8	68.8	68.2
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		One Scale Division = .000079 parts of the V. F.						VERTICAL FORCE.				
M.	S.											
7	30	38.2	34.6	31.0	32.0	31.1	29.3	26.7	24.9	22.9	22.0	21.4
17	30	35.1	33.6	32.7	32.0	29.9	31.9	27.5	23.7	22.3	21.9	21.8
27	30	34.5	31.6	32.9	27.7	30.2	28.7	27.5	23.4	22.4	21.8	22.0
37	30	33.3	32.3	33.5	29.4	30.0	29.2	26.3	23.3	22.3	21.8	22.5
47	30	33.4	32.6	31.2	32.3	31.5	29.2	25.6	23.0	22.0	21.3	22.9
57	30	33.0	32.9	32.6	33.4	30.3	28.9	25.3	22.9	22.1	21.7	22.8

Thermometer	56.0	58.0	60.0	62.0	63.0	64.0	64.5	64.5	65.0	65.7	66.2
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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	—	—	—	—	—	—	
	11	0	29.547	59.6	51.4	N. W. by N.	Moderate.	0.25	Nearly clear.
	12	0	29.553	65.5	53.6	N. W. by W.	Light.	0.25	Nearly clear.
	13	0	29.550	60.8	53.2	W. by N.	Moderate.	0.50	- - -
	14	0	29.542	69.5	54.1	N. W. by N.	Moderate.	0.38	Partially clouded.
	15	0	29.541	70.4	55.4	W. by N.	Moderate.	1.00	Overcast and showery.
	16	0	29.526	67.8	54.4	W. by N.	Light.	0.25	Nearly clear.
	17	0	29.520	72.0	55.4	N. W. by W.	Moderate.	0.13	Dark heavy clouds to the S.W.
	18	0	29.508	72.2	56.2	—	Calm.	0.50	Clouds dispersed.
	19	0	29.508	74.5	56.4	N. W. by W.	Light.	0.25	Dark clouds in the S.W.
	20	0	29.516	65.0	54.6	—	Fresh.	—	Fresh sea breeze.
	21	0	29.529	60.5	52.6	S. by E.	Light.	0.50	Light sea breeze.

MAGNETICAL OBSERVATIONS.

November 26th and 27th.

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.
17.9	17.9	18.2	18.4	13.0	15.9	16.2	17.0	18.4	17.0	16.4	15.2	12.9
17.6	18.1	18.4	18.3	13.3	15.6	16.2	17.2	17.8	16.9	16.7	15.1	13.4
17.6	18.1	18.3	18.2	13.5	15.7	16.2	17.8	17.2	17.1	16.9	14.9	13.1
17.8	18.2	18.5	18.0	13.6	15.6	16.5	17.5	17.0	17.1	16.3	14.8	13.3
17.7	18.3	18.5	18.0	13.6	15.7	16.1	17.6	16.8	17.1	16.1	14.7	13.5
17.7	18.4	18.5	18.0	13.7	15.8	15.6	18.4	16.4	17.2	15.9	14.5	12.7
17.7	18.4	18.5	18.0	14.0	16.1	15.9	18.7	16.8	17.4	15.6	14.4	12.2
17.6	18.4	18.5	17.6	14.5	16.3	15.8	18.8	17.0	17.4	15.4	14.4	12.3
18.0	18.4	18.6	16.6	15.0	16.7	16.6	19.0	17.0	16.9	15.4	14.2	11.7
17.6	18.1	18.5	15.2	15.5	16.9	17.0	19.1	17.0	16.7	15.4	14.2	11.6
17.7	18.0	18.5	14.0	15.6	16.5	17.0	19.0	17.2	16.3	15.2	14.1	11.4
17.8	18.3	18.5	13.2	15.9	16.0	17.1	18.8	17.2	16.1	15.2	14.0	11.0

HORIZONTAL FORCE.

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

61.2	61.4	61.4	61.5	62.4	61.9	62.3	61.9	63.2	61.7	62.5	63.0	62.9
61.2	61.4	61.7	61.6	62.2	62.3	62.2	61.7	63.2	61.8	62.4	63.0	63.1
61.5	62.1	61.6	61.6	61.5	62.3	61.8	62.2	62.5	61.7	62.5	63.2	62.8
61.5	61.5	61.7	61.8	61.4	62.6	61.6	62.4	62.5	61.5	62.5	63.3	62.3
61.4	61.3	61.7	62.5	61.5	62.8	61.7	63.0	62.3	62.0	63.0	63.2	62.5
61.4	60.9	61.6	62.6	61.7	62.6	61.6	63.2	62.2	62.0	62.9	62.9	62.2
68.0	67.0	65.5	66.0	65.3	65.0	64.2	64.2	63.7	63.0	63.0	62.5	62.0

VERTICAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = .00020

22.9	22.9	24.4	25.4	20.5	23.7	23.3	25.7	22.0	24.5	24.7	24.6	25.7
23.4	22.3	23.4	23.9	19.9	22.7	22.6	25.9	21.7	24.4	25.1	24.9	25.8
23.2	22.7	22.3	24.2	20.9	24.2	23.0	25.5	22.1	24.6	24.5	25.1	25.6
23.4	22.4	22.8	21.8	22.1	24.0	23.8	25.0	22.7	24.6	25.0	25.5	25.6
23.9	21.9	23.1	21.5	22.1	23.6	24.9	24.2	22.9	24.5	25.0	25.5	25.5
23.3	22.8	23.9	20.4	24.3	23.0	23.4	23.3	23.4	24.7	25.1	25.8	24.9
65.5	65.0	67.0	65.5	65.0	65.0	64.5	64.0	64.0	64.5	63.8	63.0	62.5

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.	°	°				
26	22	0	29.529	57.5	51.0	S. E. by S.	Light	0.50	Fair.
	23	0	29.527	55.8	51.4	—	Calm.	0.38	Fair.
27	0	0	29.522	54.8	51.4	—	Calm.	0.25	Nearly clear.
	1	0	29.482	54.8	51.4	—	Calm.	0.75	Nearly overcast.
	2	0	29.459	54.2	50.9	—	Calm.	1.00	Overcast; rain.
	3	0	29.402	53.5	51.7	—	Calm.	1.00	Overcast; rain continued.
	4	0	29.405	53.0	51.7	—	Calm.	0.75	Occasional rain.
	5	0	29.409	52.8	51.6	S. E. by S.	Light.	1.00	Overcast and gloomy; light drizzling rain.
	6	0	29.413	52.5	51.5	—	Calm.	1.00	Overcast and gloomy; light drizzling rain.
	7	0	29.424	52.5	51.5	S. W. by W.	Light.	1.00	Overcast and gloomy; heavy rain.
	8	0	29.433	53.0	51.2	N. by W.	Light.	—	Sky breaking to the northward.
	9	0	29.443	53.8	51.8	N. by W.	Light.	0.25	Nearly clear.

December 22nd and 23rd.			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		10.6	9.0	9.8	7.3	14.4	19.9	22.3	23.9	23.7	23.8	21.2
5	0		8.5	9.2	10.4	9.1	14.9	20.2	22.8	23.8	23.9	23.6	21.6
10	0		10.4	10.2	9.5	10.0	16.0	20.9	22.9	23.4	24.0	23.5	21.5
15	0		10.2	10.2	9.3	11.2	15.7	20.5	22.4	23.4	24.3	23.7	21.1
20	0		9.5	10.1	9.3	12.4	16.0	20.6	22.6	23.7	24.3	24.1	20.5
25	0		10.4	9.6	9.2	11.9	16.8	21.4	23.1	23.7	24.6	24.9	19.9
30	0		10.6	9.0	9.1	11.8	17.2	21.4	23.4	24.0	23.3	25.8	19.5
35	0		10.4	8.6	9.5	12.2	17.3	21.5	23.4	23.6	25.5	24.4	19.4
40	0		10.3	9.6	9.5	12.5	17.8	21.7	23.6	23.4	25.3	23.9	19.7
45	0		10.8	9.9	8.9	13.6	18.0	21.6	23.4	23.4	25.1	24.0	19.7
50	0		9.5	9.3	8.6	13.5	18.4	21.9	23.6	23.5	24.8	23.1	19.8
55	0		8.6	9.9	7.1	14.4	19.1	22.0	24.2	24.0	24.8	21.9	20.5
			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		53.5	53.7	53.0	49.4	47.4	47.1	47.6	47.7	48.3	49.5	43.5
12	30		53.4	54.7	52.5	48.4	48.3	47.4	47.7	48.2	49.0	49.7	43.5
22	30		53.2	54.0	52.2	48.1	48.0	47.1	47.9	48.7	49.6	51.5	44.1
32	30		53.5	52.7	52.0	47.7	48.3	46.5	47.5	48.5	52.2	51.0	45.2
42	30		53.7	52.8	50.4	47.5	47.2	46.4	46.9	48.5	52.4	46.0	46.0
52	30		53.2	52.8	49.7	47.3	46.5	46.5	47.3	48.7	52.4	43.6	47.0
Thermometer			57.0	57.2	58.2	60.0	62.0	63.3	66.0	66.5	67.1	69.0	70.0
			One Scale Division = .00079 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
7	30		74.7	72.5	65.4	64.0	69.9	70.1	65.5	65.2	64.4	63.1	69.9
17	30		71.7	71.1	64.8	63.6	69.2	—	65.2	65.1	63.4	64.3	69.5
27	30		75.5	70.8	64.9	65.3	70.1	67.9	65.9	64.3	63.2	63.4	67.4
37	30		75.4	67.3	63.6	65.2	69.7	67.8	66.0	64.0	61.5	62.9	65.9
47	30		76.3	66.0	63.9	69.6	70.0	66.9	66.3	63.9	60.0	67.6	64.3
57	30		74.8	65.8	62.2	69.4	70.2	66.1	66.5	64.2	60.6	69.5	63.1
Thermometer			56.0	57.0	58.8	60.5	62.2	63.0	63.8	65.0	66.0	66.8	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.	Inch.	°	°								
22	10	0	29.310	55.5	47.5	N. by W.	Moderate.	0.38	Partially clear.				
	11	0	29.307	57.8	49.0	N. by W.	Fresh.	0.25	Wind considerably increased.				
	12	0	29.302	61.5	50.5	N. W. by N.	Squally.	0.25	Fresh squally gale; nearly clear.				
	13	0	29.318	65.0	62.3	N. W. by N.	Strong gale.	0.25	Nearly clear.				
	14	0	29.336	68.0	52.7	N. W. by N.	Strong gale.	0.25	Nearly clear.				
	15	0	29.328	68.8	52.6	W. by N.	Gale.	0.25	Gale somewhat abated.				
	16	0	29.333	70.0	53.7	W. by N.	Squally.	0.25	Hard squalls from the westward.				
	17	0	29.342	72.0	56.4	W. by N.	Heavy gale.	0.25	Heavy gales, in violent squalls.				
	18	0	29.362	74.0	56.5	N. W. by N.	Heavy gale.	0.13	Heavy squalls, blowing a gale with a clear sky;				
	19	0	29.393	73.0	56.2	N. W. by N.	Heavy gale.	0.13	squalls at times very furious.				
	20	0	29.438	73.5	57.2	N. W. by N.	—	—	Wind considerably abated.				
	21	0	29.459	70.5	55.8	—	Moderate.	0.50	Partially clear.				

MAGNETICAL OBSERVATIONS.

December 22nd and 23rd.

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.
19.8	16.9	16.1	15.0	15.9	14.0	15.1	14.5	14.6	14.7	14.8	14.9	12.2
19.6	17.7	15.7	14.6	15.4	14.4	15.0	14.5	14.6	14.9	15.5	14.3	12.0
19.4	17.4	15.4	14.6	14.7	14.5	15.5	14.7	14.6	15.0	15.5	14.2	11.5
18.5	17.4	17.0	15.3	14.4	14.5	15.1	14.4	14.6	15.0	15.9	14.0	11.4
18.4	17.5	15.5	14.3	13.8	14.5	14.9	14.5	14.6	15.3	15.5	13.2	11.3
17.8	17.5	14.5	14.3	13.4	14.4	15.0	14.7	14.5	15.4	15.1	12.9	11.1
17.7	16.9	15.1	15.1	13.2	14.4	15.0	14.6	14.3	15.2	15.8	12.5	10.9
17.6	17.4	15.6	15.3	13.2	14.5	14.8	14.6	14.2	15.9	15.2	12.0	10.9
16.9	16.9	15.7	16.1	12.7	14.7	14.6	14.6	14.3	15.7	15.4	12.0	10.8
16.6	16.5	15.6	16.1	12.8	14.6	14.7	14.6	14.4	15.6	15.2	11.8	10.5
16.6	16.0	15.6	16.1	13.1	14.9	14.7	14.6	14.7	15.6	15.1	12.0	10.6
17.4	15.9	15.6	16.0	13.4	15.0	14.5	14.5	14.7	15.4	15.1	12.3	10.8

HORIZONTAL FORCE.

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

46.5	45.3	45.5	48.0	48.8	45.8	46.6	46.3	46.9	46.7	48.0	48.5	46.1
46.1	45.8	46.0	48.4	48.2	46.2	46.8	46.7	46.6	46.6	48.4	48.5	48.0
45.9	45.8	46.4	48.5	47.9	46.2	46.5	46.6	46.8	46.6	48.3	48.5	48.2
46.0	46.0	46.9	48.9	47.1	46.3	46.7	46.3	46.8	47.9	48.4	48.5	48.2
45.5	45.3	46.7	48.5	46.4	46.2	46.5	46.7	46.7	47.6	48.7	48.5	48.0
45.5	45.7	48.2	48.7	46.1	46.3	46.5	46.7	46.7	48.0	48.7	48.5	48.0
70.0	69.0	69.3	68.8	68.0	68.0	67.8	67.2	66.0	65.2	64.8	64.1	64.5

VERTICAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah. = .00020.

62.9	65.2	61.1	57.3	56.1	61.9	61.2	60.7	63.6	64.7	64.0	63.9	63.7
63.6	62.7	60.7	59.4	56.6	61.5	61.1	61.2	63.3	64.7	65.0	63.5	64.3
63.6	62.9	59.9	57.1	57.4	61.6	61.1	61.8	63.7	65.5	64.7	63.8	64.2
63.6	61.4	60.2	57.1	58.9	61.2	60.9	62.5	64.0	65.4	64.6	63.9	64.1
64.5	61.0	60.9	57.4	59.4	61.0	61.2	62.9	64.4	65.3	64.1	63.8	64.1
65.3	61.3	58.6	56.3	59.8	61.1	60.6	62.8	64.5	64.4	64.0	64.3	63.9
67.8	67.8	66.6	66.8	66.8	66.6	68.2	66.2	67.4	66.2	66.0	66.2	66.0

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.		
22	22	0	In. 29.475	66.0	54.0	N. E. by E.	Light.	0.25	Nearly clear.
	23	0	29.503	63.0	53.9	N. N. E.	Moderate.	0.25	Nearly clear.
23	0	0	29.526	62.2	53.6	N. N. E.	Light.	0.50	Partially clear.
	1	0	29.535	62.2	53.6	N. by W.	Light.	0.50	Partially clear.
	2	0	29.554	61.4	51.8	W. by S.	Light.	0.62	Nearly overcast.
	3	0	29.552	60.5	51.7	Variable.	Light.	—	Dark heavy clouds.
	4	0	29.547	59.8	52.2	N. W. by N.	Squally.	0.50	Partially clear.
	5	0	29.541	59.0	51.8	N. W. by N.	Squally.	0.50	Partially clear.
	6	0	29.557	59.0	52.0	N. W. by N.	Fresh; squally.	—	Heavy passing clouds; appearance of rain.
	7	0	29.557	59.0	52.8	N. W. by N.	Fresh; squally.	—	
	8	0	29.567	59.2	53.4	N. W. by N.	Light.	1.00	Overcast and gloomy.
	9	0	29.561	60.3	53.9	N. W. by N.	Light.	1.00	Overcast and gloomy.



VAN DIEMEN ISLAND, 1841.

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	1.814	1.779	1.758	1.737	1.714	1.693	1.690	1.689	1.690	1.694	1.692	1.683
	2	1.797	1.803	1.813	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.803	1.895	1.884	1.879	1.878	1.888	1.896	1.901	1.907
	4	1.885	1.887	1.889	1.888	1.879	1.875	1.882	1.893	1.907	1.915	1.931	1.954
	5	1.956	1.961	1.964	1.969	1.967	1.950	1.957	1.948	1.964	1.980	1.979	1.978
	6	1.867	1.854	1.833	1.823	1.805	1.777	1.745	1.735	1.733	1.737	1.729	1.723
	7	1.450	1.452	1.469	1.478	1.490	1.510	1.556	1.581	1.606	1.625	1.661	1.667
	8	1.887	1.890	1.906	1.910	1.897	1.895	1.887	1.899	1.899	1.913	1.929	1.930
	9	1.721	1.727	1.695	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.568	1.551	1.566	1.554	1.557	1.557	1.559	1.565	1.536
	11	1.666	1.694	1.711	1.727	1.738	1.748	1.754	1.772	1.790	1.810	1.839	1.853
	12	1.915	1.921	1.923	1.924	1.905	1.892	1.890	1.906	1.909	1.913	1.908	1.897
	13	1.745	1.739	1.733	1.706	1.711	1.650	1.649	1.637	1.620	1.605	1.587	1.568
	14	1.366	1.369	1.358	1.358	1.363	1.365	1.373	1.406	1.420	1.452	1.480	1.486
	15	1.678	1.681	1.667	1.658	1.646	1.606	1.590	1.584	1.564	1.580	1.581	1.578
	16	1.548	1.539	1.556	—	—	—	—	—	—	—	—	—
	17	—	—	—	1.879	1.860	1.852	1.845	1.843	1.845	1.851	1.862	1.855
	18	1.652	1.641	1.620	1.606	1.599	1.584	1.553	1.546	1.534	1.526	1.528	1.537
	19	1.473	1.470	1.462	1.469	1.469	1.474	—	1.446	1.453	1.464	1.489	1.475
	20	1.732	1.741	1.753	1.761	1.769	1.785	1.783	1.808	1.821	1.829	1.863	1.882
	21	1.822	1.830	1.816	1.821	1.782	1.763	1.740	1.733	1.729	1.728	1.719	1.705
	22	1.620	1.631	1.636	1.632	1.634	1.639	1.656	1.665	1.684	1.697	1.708	1.726
	23	1.937	1.945	1.952	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.944	1.920	1.892	1.875	1.860	1.860	1.856	1.848	1.839
	25	1.520	1.524	1.522	1.513	1.493	1.468	1.458	1.461	1.461	1.469	1.473	1.478
	26	1.833	1.850	1.874	1.882	1.889	1.897	1.911	1.944	1.964	1.964	1.988	2.001
	27	2.003	1.978	1.975	1.958	1.932	1.909	1.885	1.873	1.862	1.855	1.852	1.843
	28	1.644	1.631	1.621	1.596	1.583	1.554	1.548	1.552	1.562	1.572	1.577	1.526
	29	1.681	1.703	1.736	1.749	1.769	1.775	1.808	1.828	1.861	1.887	1.942	1.966
	30	2.157	2.167	2.167	—	—	—	—	—	—	—	—	—
	31	—	—	—	2.008	2.001	1.982	1.984	1.984	1.984	1.978	1.978	1.975
Hourly Means	1.7450	1.7464	1.7465	1.7449	1.7408	1.7302	1.7381	1.7318	1.7372	1.7444	1.7542	1.7526	
FEBRUARY.	1	1.798	1.755	1.747	1.731	1.703	1.684	1.678	1.676	1.675	1.648	1.623	1.593
	2	1.320	1.358	1.356	1.340	1.339	1.327	1.329	1.342	1.346	1.367	1.380	1.384
	3	1.466	1.480	1.480	1.486	1.480	1.484	1.486	1.502	1.508	1.520	1.544	1.575
	4	1.705	1.710	1.721	1.723	1.723	1.723	1.707	1.722	1.730	1.744	1.758	1.777
	5	1.817	1.821	1.817	1.816	1.810	1.803	1.821	1.821	1.827	1.843	1.863	1.863
	6	1.923	1.913	1.899	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.957	1.945	1.939	1.932	1.938	1.944	1.940	1.938	1.937
	8	1.963	1.960	1.952	1.973	1.979	1.970	1.964	1.974	1.980	2.000	2.020	2.047
	9	2.046	2.041	2.021	1.999	1.972	1.959	1.941	1.939	1.930	1.926	1.910	1.889
	10	1.862	1.865	1.867	1.872	1.879	1.877	1.885	1.891	1.895	1.909	1.921	1.924
	11	1.841	1.836	1.828	1.817	1.802	1.776	1.810	1.833	1.841	1.841	1.846	1.858
	12	1.907	1.902	1.899	1.917	1.905	1.893	1.912	1.920	1.926	1.930	1.932	1.939
	13	1.813	1.797	1.763	—	—	—	—	—	—	—	—	—
	14	—	—	—	1.896	1.892	1.892	1.906	1.921	1.940	1.986	1.990	2.008
	15	2.140	2.145	2.145	2.152	2.158	2.158	2.152	2.171	2.187	2.201	2.217	2.227
	16	2.114	2.101	2.089	2.051	2.050	2.047	2.032	2.024	2.014	2.010	2.003	1.988
	17	1.618	1.587	1.576	1.560	1.533	1.484	1.432	1.430	1.454	1.468	1.493	1.508
	18	1.438	1.429	1.441	1.448	1.460	1.460	1.514	1.519	1.526	1.541	1.564	1.582
	19	1.930	1.960	1.976	1.976	1.977	1.976	1.991	2.010	2.026	2.044	2.047	2.066
	20	2.023	2.018	2.022	—	—	—	—	—	—	—	—	—
	21	—	—	—	2.101	2.090	2.087	2.078	2.078	2.082	2.086	2.089	2.091
	22	1.864	1.849	1.836	1.835	1.812	1.809	1.808	1.808	1.824	1.824	1.894	1.932
	23	2.109	2.116	2.104	2.110	2.096	2.081	—	2.040	2.050	2.045	2.036	2.024
	24	1.914	1.895	1.887	1.882	1.870	1.867	1.868	1.880	1.894	1.894	1.896	1.871
	25	1.690	1.661	1.602	1.586	—	1.520	1.510	1.486	1.451	1.444	1.428	1.387
	26	1.546	1.584	1.601	1.611	1.618	1.640	1.617	1.623	1.639	1.663	1.686	1.685
	27	1.663	1.647	1.593	—	—	—	—	—	—	—	—	—
	28	—	—	—	1.421	1.439	1.467	1.495	1.518	1.550	1.574	1.615	1.649
Hourly Means	1.8129	1.8096	1.8009	1.8023	1.8057	1.7885	1.7769	1.7944	1.8016	1.8103	1.8205	1.8251	

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	
1.682	1.660	1.647	1.645	1.629	1.636	1.655	1.664	1.684	1.715	1.736	1.775	1.6984
1.902	1.864	1.849	1.843	1.833	1.807	1.814	1.806	1.817	1.827	1.837	1.867	1.8496
1.963	1.956	1.964	1.959	1.951	1.939	1.934	1.933	1.921	1.931	1.929	1.953	1.9216
1.961	1.937	1.931	1.913	1.881	1.860	1.843	1.821	1.821	1.828	1.833	1.856	1.9191
1.686	1.658	1.596	1.621	1.618	1.606	1.484	1.445	1.414	1.414	1.425	1.452	1.6575
1.677	1.690	1.702	1.719	1.736	1.758	1.765	1.774	1.797	1.823	1.842	1.871	1.6541
1.909	1.901	1.875	1.837	1.810	1.798	1.784	1.759	1.747	1.746	1.751	1.737	1.8540
1.522	1.489	1.457	1.470	1.412	1.392	1.426	1.442	1.500	1.553	1.596	1.636	1.5438
1.862	1.861	1.853	1.833	1.821	1.818	1.825	1.828	1.843	1.857	1.869	1.887	1.8024
1.871	1.852	1.831	1.807	1.782	1.775	1.744	1.721	1.712	1.717	1.719	1.740	1.8406
1.538	1.508	1.483	1.402	1.426	1.401	1.361	1.331	1.304	1.309	1.338	1.345	1.5290
1.501	1.514	1.531	1.535	1.552	1.561	1.578	1.591	1.589	1.602	1.641	1.667	1.4857
1.577	1.563	1.563	1.534	1.517	1.509	1.502	1.482	1.487	1.511	1.515	1.528	1.5708
1.826	1.808	1.778	1.739	1.718	1.691	1.669	1.635	1.634	1.637	1.647	1.649	1.7408
1.507	1.498	1.487	1.448	1.431	1.422	1.438	1.428	1.419	1.419	1.444	1.465	1.5138
1.484	1.486	1.485	1.512	1.521	1.538	1.558	1.570	1.596	1.610	1.658	1.693	1.5154
1.877	1.863	1.849	1.828	1.798	1.803	1.807	1.810	1.819	1.819	1.826	1.826	1.8105
1.695	1.665	1.666	1.645	1.637	1.601	1.597	1.596	1.585	1.580	1.582	1.599	1.6931
1.739	1.773	1.790	1.781	1.797	1.801	1.824	1.811	1.853	1.869	1.891	1.922	1.7408
1.807	1.782	1.730	1.694	1.649	1.605	1.573	1.516	1.495	1.494	1.507	1.527	1.7544
1.468	1.510	1.538	1.562	1.614	1.606	1.642	1.682	1.692	1.732	1.763	1.805	1.5606
2.010	2.009	1.999	1.983	1.973	1.964	1.965	1.966	1.983	1.989	1.999	2.007	1.9518
1.816	1.804	1.738	1.711	1.690	1.669	1.658	1.628	1.618	1.617	1.628	1.644	1.7977
1.512	1.512	1.522	1.522	1.539	1.534	1.548	1.561	1.585	1.606	1.624	1.656	1.5703
1.983	1.993	2.008	2.025	2.025	2.037	2.052	2.065	2.075	2.090	2.115	2.146	1.9299
1.965	1.949	1.927	1.890	1.847	1.823	1.808	1.793	1.773	1.775	1.773	1.773	1.9358
1.7438	1.7341	1.7230	1.7099	1.7003	1.6905	1.6867	1.6753	1.6832	1.6950	1.7111	1.7318	1.7250
1.562	1.545	1.520	1.492	1.488	1.451	1.421	1.415	1.396	1.366	1.361	1.359	1.5703
1.386	1.388	1.376	1.371	1.365	1.390	1.389	1.389	1.406	1.428	1.444	1.443	1.3735
1.588	1.608	1.614	1.620	1.626	1.626	1.636	1.634	1.634	1.654	1.674	1.679	1.5668
1.774	1.769	1.755	1.750	1.748	1.741	1.742	1.749	1.749	1.787	1.807	1.811	1.7469
1.869	1.867	1.873	1.867	1.872	1.868	1.875	1.873	1.873	1.878	1.895	1.911	1.8518
1.928	1.921	1.895	1.887	1.877	1.871	1.865	1.866	1.874	1.907	1.928	1.937	1.9150
2.059	2.055	2.030	2.033	2.032	2.025	2.034	2.044	2.049	2.049	2.046	2.047	2.0119
1.855	1.841	1.813	1.845	1.815	1.810	1.812	1.821	1.813	1.826	1.832	1.849	1.8960
1.919	1.903	1.875	1.862	1.842	1.829	1.807	1.810	1.821	1.818	1.823	1.839	1.8665
1.858	1.861	1.859	1.859	1.855	1.847	1.829	1.831	1.846	1.865	1.873	1.897	1.8420
1.939	1.939	1.931	1.905	1.895	1.877	1.851	1.833	1.826	1.821	1.816	1.816	1.8930
2.031	2.029	2.027	2.013	2.017	2.010	2.021	2.030	2.051	2.072	2.100	2.124	1.9720
2.222	2.214	2.186	2.177	2.161	2.142	2.119	2.107	2.104	2.098	2.103	2.121	2.1587
1.943	1.879	1.854	1.819	1.771	1.734	1.712	1.677	1.657	1.653	1.646	1.626	1.8956
1.506	1.496	1.488	1.475	1.469	1.461	1.443	1.429	1.417	1.416	1.434	1.443	1.4842
1.634	1.644	1.689	1.695	1.698	1.709	1.718	1.746	1.779	1.807	1.833	1.882	1.6148
2.056	2.027	2.013	2.001	2.002	1.991	1.974	1.967	1.967	1.973	1.999	2.016	1.9985
2.040	2.020	2.043	1.999	1.961	1.949	1.939	1.911	1.899	1.884	1.878	1.875	2.0101
1.958	1.981	2.001	2.007	2.019	2.026	2.020	2.019	2.055	2.068	2.084	2.089	1.9342
2.015	2.005	1.959	1.943	1.931	1.908	1.893	1.877	1.884	1.897	1.901	1.909	1.9971
1.883	1.865	1.811	1.794	1.775	1.743	1.719	1.717	1.710	1.707	1.705	1.712	1.8233
1.356	1.342	1.312	1.273	1.276	1.306	1.335	1.382	1.406	1.432	1.425	1.482	1.4388
1.697	1.704	1.700	1.703	1.687	1.674	1.659	1.655	1.649	1.658	1.663	1.658	1.6508
1.683	1.698	1.720	1.749	1.781	1.811	1.831	1.879	1.917	1.971	2.022	2.045	1.6974
1.8233	1.8167	1.8060	1.7975	1.7901	1.7833	1.7768	1.7775	1.7826	1.7931	1.8038	1.8154	1.8007

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	2.080	2.105	2.115	2.145	2.160	2.175	2.189	2.188	2.220	2.243	2.271	2.302
	2	2.395	2.402	2.402	2.401	2.395	2.388	2.382	2.384	2.390	2.394	2.396	2.392
	3	2.250	2.235	2.229	2.200	2.188	2.171	2.141	2.117	2.117	2.135	2.164	2.179
	4	2.051	2.036	2.031	2.004	1.992	1.969	1.945	1.924	1.917	1.933	1.932	1.927
	5	1.779	1.771	1.764	1.755	1.739	1.729	1.716	1.716	1.712	1.708	1.702	1.685
	6	1.553	1.536	1.514	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.628	1.627	1.612	1.618	1.601	1.605	1.622	1.634	1.636
	8	1.719	1.725	1.734	1.746	1.768	1.795	1.806	1.833	1.870	1.924	1.942	1.975
	9	2.202	2.206	2.208	2.210	2.218	2.217	2.216	2.225	2.233	2.254	2.266	2.282
	10	2.265	2.266	2.260	2.263	2.256	2.241	2.227	2.229	2.241	2.247	2.247	2.246
	11	2.179	2.176	2.172	2.170	2.174	2.165	2.168	2.180	2.190	2.200	2.208	2.226
	12	2.243	2.238	2.236	2.229	2.226	2.213	2.206	2.209	2.210	2.223	2.236	2.237
	13	2.288	2.290	2.294	—	—	—	—	—	—	—	—	—
	14	—	—	—	2.294	2.281	2.275	2.266	2.266	2.271	2.274	2.278	2.289
	15	2.197	2.189	2.181	2.178	2.181	2.176	2.177	2.176	2.170	2.180	2.191	2.197
	16	2.149	2.158	2.155	2.156	2.151	2.138	2.130	2.130	2.126	2.126	2.142	2.144
	17	2.044	2.040	2.030	2.005	1.992	1.968	1.964	1.959	1.951	1.949	1.950	1.945
	18	1.670	1.623	1.625	1.628	1.632	1.634	1.638	1.641	1.638	1.654	1.680	1.689
	19	1.739	1.713	1.713	1.698	1.695	—	1.694	1.695	1.695	1.707	1.729	1.735
	20	1.782	1.789	1.788	—	—	—	—	—	—	—	—	—
	21	—	—	—	1.989	1.983	1.971	1.933	1.919	1.913	1.913	1.921	1.928
	22	1.783	1.789	1.790	1.777	1.769	1.755	1.729	1.703	1.711	1.708	1.696	1.686
	23	1.745	1.768	1.799	1.823	1.838	1.865	1.871	1.907	1.927	1.943	1.967	1.985
	24	1.910	1.901	1.885	1.875	1.855	1.853	1.816	1.804	1.786	1.773	1.761	1.743
	25	1.505	1.498	1.412	1.528	1.526	1.524	1.530	1.540	1.561	1.585	1.604	1.613
	26	1.942	1.961	1.968	1.956	1.971	1.965	1.995	1.916	1.934	2.048	2.053	2.072
	27	2.191	2.206	2.208	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	2.296	2.294	2.275	2.273	2.276	2.297	2.316	2.323
	29	2.273	2.270	2.262	2.249	2.246	2.243	2.243	2.249	2.258	2.266	2.270	2.276
	30	2.167	2.155	2.149	2.124	2.120	2.123	2.109	2.098	2.094	2.095	2.101	2.108
	31	1.963	1.946	1.939	1.923	1.906	1.894	1.868	1.855	1.842	1.838	1.818	1.803
Hourly Means	2.0024	1.9997	1.9949	1.9982	2.0068	2.0136	1.9945	1.9903	1.9947	2.0088	2.0176	2.0231	
APRIL.	1	1.681	1.693	1.693	1.724	1.739	1.741	1.737	1.743	1.751	1.758	1.764	1.813
	2	1.789	1.764	1.752	1.739	1.725	1.703	1.679	1.675	1.660	1.664	1.656	1.647
	3	1.640	1.642	1.634	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.848	1.852	1.855	1.854	1.871	1.888	1.894	1.895	1.899
	5	1.910	1.899	1.894	1.888	1.864	1.855	1.836	1.832	1.830	1.828	1.825	1.827
	6	1.634	1.621	1.604	1.568	1.547	1.518	1.458	1.413	1.383	1.343	1.301	1.247
	7	1.191	1.234	1.285	1.297	1.332	1.380	1.411	1.436	1.458	1.474	1.504	1.519
	8	1.620	1.600	1.597	1.597	1.635	1.643	1.661	1.679	1.730	1.737	1.768	1.802
	9	1.949	1.923	1.899	1.874	1.868	1.851	1.794	1.784	1.770	1.745	1.732	1.696
	10	1.338	1.284	1.242	—	—	—	—	—	—	—	—	—
	11	—	—	—	1.166	1.168	1.173	1.181	—	1.207	1.225	1.244	1.254
	12	1.334	1.356	1.362	1.379	1.388	1.389	1.397	1.427	1.447	1.475	1.527	1.542
	13	1.805	1.821	1.823	1.826	1.824	1.810	1.810	1.810	1.810	1.806	1.804	1.796
	14	1.615	1.596	1.579	1.582	1.526	1.472	1.438	1.420	1.388	1.366	1.364	1.348
	15	1.269	1.279	1.263	1.254	1.252	1.248	1.224	1.222	1.225	1.237	1.254	1.257
	16	1.350	1.361	1.369	1.373	1.393	1.409	1.421	1.440	1.450	1.468	1.481	1.503
	17	1.551	1.538	1.565	—	—	—	—	—	—	—	—	—
	18	—	—	—	2.062	2.073	2.074	2.066	2.066	2.069	2.065	2.081	2.098
	19	1.956	1.944	1.912	1.882	1.862	1.846	1.827	1.791	1.777	1.777	1.777	1.770
	20	1.356	1.353	1.343	1.367	1.401	1.422	1.459	1.495	1.540	1.581	1.625	1.654
	21	1.943	1.966	1.972	1.985	1.988	1.994	1.994	1.994	2.022	2.028	2.034	2.066
	22	2.060	2.054	2.046	2.026	2.016	2.002	1.979	1.973	1.970	1.953	1.945	1.948
	23	1.766	1.756	1.750	1.721	1.720	1.734	1.735	1.722	1.727	1.741	1.747	1.757
	24	1.784	1.804	1.820	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.964	1.954	1.956	1.950	1.940	1.937	1.934	1.922	1.918
	26	1.897	1.908	1.924	1.933	1.927	1.929	1.936	1.966	1.988	2.004	2.028	2.048
	27	2.164	2.172	2.174	2.178	2.196	2.206	2.204	2.218	2.219	2.241	2.264	2.284
	28	2.340	2.340	2.339	2.325	2.325	2.317	2.265	2.274	2.264	2.266	2.332	2.338
	29	2.246	2.240	2.212	2.200	2.190	2.183	2.169	2.153	2.145	2.132	2.144	2.137
	30	1.962	1.958	1.946	1.939	1.925	1.921	1.905	1.896	1.898	1.902	1.916	1.932
Hourly Means	1.7365	1.7348	1.7307	1.7576	1.7573	1.7550	1.7458	1.7696	1.7520	1.7555	1.7667	1.7731	

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	
2.260	2.341	2.337	2.330	2.340	2.339	2.355	2.363	2.366	2.375	2.388	2.393	2.2658
2.391	2.387	2.348	2.331	2.312	2.289	2.264	2.258	2.248	2.251	2.260	2.261	2.3467
2.198	2.215	2.180	2.254	2.119	2.093	2.053	2.040	2.026	2.041	2.045	2.042	2.1430
1.925	1.913	1.863	1.834	1.803	1.780	1.767	1.754	1.757	1.763	1.769	1.780	1.8904
1.677	1.675	1.664	1.638	1.617	1.599	1.587	1.577	1.567	1.579	1.574	1.571	1.6709
—	—	—	—	—	—	—	—	—	—	—	—	—
1.646	1.652	1.619	1.610	1.602	1.581	1.594	1.604	1.624	1.637	1.676	1.701	1.6138
2.007	2.027	2.037	2.047	2.055	2.071	2.082	2.096	2.118	2.135	2.162	2.194	1.9528
2.281	2.279	2.273	2.262	2.252	2.232	2.222	2.225	2.230	2.245	2.258	2.269	2.2402
2.235	2.229	2.190	2.168	2.147	2.133	2.116	2.122	2.127	2.141	2.152	2.171	2.2050
2.232	2.241	2.217	2.205	2.192	2.182	2.179	2.186	2.191	2.211	2.219	2.235	2.1957
2.244	2.239	2.235	2.220	2.210	2.208	2.206	2.209	2.223	2.231	2.250	2.277	2.2274
—	—	—	—	—	—	—	—	—	—	—	—	—
2.287	2.288	2.254	2.236	2.218	2.192	2.177	2.179	2.166	2.181	2.180	2.198	2.2467
2.195	2.198	2.167	2.155	2.140	2.133	2.113	2.110	2.115	2.132	2.137	2.145	2.1639
2.131	2.149	2.107	2.083	2.058	2.040	2.039	2.030	2.029	2.029	2.034	2.049	2.1035
1.925	1.919	1.881	1.837	1.798	1.753	1.730	1.695	1.678	1.660	1.673	1.686	1.8763
1.690	1.703	1.680	1.677	1.677	1.678	1.679	1.682	1.692	1.705	1.716	1.735	1.6694
1.750	1.747	1.713	1.709	1.693	1.694	1.696	1.699	1.734	1.744	1.763	1.777	1.7188
—	—	—	—	—	—	—	—	—	—	—	—	—
1.921	1.914	1.886	1.867	1.820	1.804	1.782	1.774	1.763	1.770	1.779	1.776	1.8619
1.646	1.626	1.594	1.514	1.430	1.401	1.411	1.421	1.461	1.535	1.624	1.672	1.6346
2.007	2.017	1.993	1.971	1.952	1.931	1.911	1.899	1.897	1.901	1.907	1.909	1.9055
1.736	1.715	1.664	1.618	1.585	1.533	1.505	1.486	1.491	1.509	1.518	1.528	1.7021
1.623	1.642	1.665	1.664	1.683	1.713	1.736	1.775	1.807	1.837	1.891	1.920	1.6409
2.098	2.107	2.107	2.120	2.107	2.117	2.118	2.126	2.134	2.144	2.168	2.182	2.0545
—	—	—	—	—	—	—	—	—	—	—	—	—
2.322	2.333	2.334	2.264	2.242	2.224	2.224	2.234	2.240	2.256	2.276	2.279	2.2688
2.281	2.284	2.253	2.234	2.207	2.185	2.170	2.166	2.162	2.171	2.165	2.162	2.2310
2.114	2.086	2.068	2.029	2.010	1.982	1.961	1.951	1.955	1.956	1.961	1.957	2.0615
1.794	—	1.737	1.661	1.646	1.629	1.630	1.609	1.591	1.597	1.640	1.657	1.7733
2.0228	2.0356	2.0024	1.9830	1.9598	1.9450	1.9373	1.9359	1.9404	1.9532	1.9698	1.9825	1.9724
—	—	—	—	—	—	—	—	—	—	—	—	—
1.831	1.820	1.791	1.788	1.771	1.776	1.769	1.768	1.771	1.773	1.780	1.788	1.7610
1.617	1.591	1.547	1.510	1.482	1.503	1.508	1.530	1.548	1.556	1.593	1.627	1.6277
—	—	—	—	—	—	—	—	—	—	—	—	—
1.910	1.917	1.917	1.911	1.898	1.882	1.886	1.886	1.893	1.892	1.902	1.901	1.8570
1.809	1.783	1.764	1.741	1.714	1.698	1.680	1.668	1.664	1.670	1.672	1.647	1.7833
1.190	1.105	1.063	0.939	0.961	0.931	0.937	1.000	1.010	1.098	1.105	1.202	1.2574
1.534	1.488	1.546	1.570	1.572	1.598	1.606	1.609	1.633	1.625	1.617	1.625	1.4810
1.816	1.847	1.849	1.840	1.837	1.848	1.854	1.859	1.876	1.887	1.903	1.915	1.7667
1.671	1.642	1.610	1.562	1.528	1.514	1.480	1.438	1.406	1.382	1.348	1.339	1.6585
—	—	—	—	—	—	—	—	—	—	—	—	—
1.251	1.257	1.232	1.216	1.210	1.218	1.212	1.229	1.253	1.280	1.299	1.320	1.2373
1.567	1.580	1.620	1.618	1.626	1.654	1.677	1.704	1.729	1.743	1.773	1.776	1.5454
1.801	1.805	1.774	1.757	1.722	1.697	1.675	1.655	1.648	1.646	1.642	1.627	1.7581
1.334	1.314	1.295	1.274	1.240	1.242	1.232	1.236	1.229	1.259	1.259	1.275	1.3701
1.251	1.233	1.212	1.198	1.195	1.190	1.204	1.228	1.248	1.261	1.307	1.329	1.2433
1.533	1.539	1.508	1.487	1.472	1.459	1.454	1.469	1.488	1.496	1.533	1.540	1.4582
—	—	—	—	—	—	—	—	—	—	—	—	—
2.099	2.091	2.074	2.061	2.033	2.029	2.013	2.010	2.000	2.001	1.995	1.984	1.9874
1.752	1.743	1.669	1.634	1.593	1.556	1.514	1.472	1.423	1.389	1.392	1.374	1.6930
1.688	1.716	1.740	1.743	1.739	1.745	1.766	1.778	1.794	1.800	1.876	1.861	1.6184
2.062	2.070	2.055	2.028	2.027	2.010	2.014	2.006	2.017	2.031	2.042	2.051	2.0166
1.929	1.915	1.892	1.874	1.840	1.818	1.801	1.781	1.764	1.762	1.758	1.761	1.9111
1.762	1.752	1.732	1.701	1.680	1.670	1.664	1.674	1.687	1.716	1.761	1.762	1.7265
—	—	—	—	—	—	—	—	—	—	—	—	—
1.934	1.908	1.898	1.881	1.863	1.863	1.865	1.857	1.868	1.883	1.896	1.908	1.8961
2.049	2.053	2.058	2.048	2.056	2.056	2.060	2.065	2.076	2.096	2.105	2.139	2.0145
2.292	2.295	2.293	2.247	2.239	2.240	2.286	2.294	2.291	2.311	2.318	2.336	2.2484
2.346	2.333	2.319	2.292	2.262	2.241	2.225	2.214	2.208	—	2.230	2.243	2.2886
2.132	2.112	2.073	2.038	2.002	1.982	1.971	1.971	1.970	1.968	1.961	1.947	2.0949
1.928	1.917	1.908	1.865	1.839	1.819	1.817	1.816	1.813	1.827	1.826	1.835	1.8880
1.7726	1.7625	1.7477	1.7240	1.7077	1.7015	1.6990	1.7001	1.7041	1.6941	1.7267	1.7351	1.7379

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	1·855	1·858	1·848	—	—	—	—	—	—	—	—	
	2	—	—	—	1·845	1·840	1·832	1·810	1·801	1·793	1·796	1·804	1·806
	3	1·789	1·783	1·784	1·756	1·733	1·739	1·729	1·721	1·721	1·721	1·737	1·763
	4	1·996	2·005	2·003	2·010	2·016	2·025	2·024	2·030	2·039	2·045	2·053	2·072
	5	1·934	1·939	1·923	1·922	1·925	1·922	1·885	1·882	1·884	1·884	1·885	1·899
	6	2·098	2·098	2·108	2·116	2·116	2·118	2·116	2·120	2·120	2·132	2·150	2·162
	7	2·108	2·096	2·086	2·078	2·090	2·076	2·062	2·062	2·062	2·064	2·066	2·074
	8	1·990	1·973	1·958	—	—	—	—	—	—	—	—	—
	9	—	—	—	1·495	1·489	1·493	1·496	1·500	1·523	1·538	1·548	1·572
	10	1·734	1·733	1·754	1·761	1·745	1·745	1·758	1·769	1·779	1·793	1·816	1·806
	11	1·759	1·753	1·743	1·770	1·768	1·762	1·768	1·762	1·766	1·772	1·772	1·772
	12	1·870	1·874	1·876	1·887	1·897	1·905	1·911	1·923	1·933	1·949	1·959	1·953
	13	1·989	1·997	2·005	1·997	1·999	1·988	2·000	2·003	2·007	2·022	2·050	2·052
	14	2·015	2·010	2·000	1·998	1·996	1·963	1·953	1·945	1·944	1·946	1·946	1·948
	15	1·881	1·884	1·878	—	—	—	—	—	—	—	—	—
	16	—	—	—	2·013	2·014	2·023	2·021	2·019	2·018	2·051	2·074	2·078
	17	2·065	2·056	2·033	2·025	2·022	2·018	1·979	1·975	1·975	1·973	1·985	1·991
	18	1·918	1·913	1·909	1·900	1·881	1·888	1·875	1·870	1·870	1·870	1·890	1·900
	19	2·178	2·186	2·200	2·216	2·223	2·229	2·227	2·247	2·260	2·274	2·300	2·310
	20	2·352	2·361	2·357	2·355	2·341	2·329	2·322	2·329	2·335	2·355	2·378	2·359
	21	2·280	2·285	2·276	2·269	2·261	2·271	2·260	2·251	2·254	2·254	2·260	2·262
	22	2·178	2·181	2·185	—	—	—	—	—	—	—	—	—
	23	—	—	—	2·246	2·244	2·240	2·223	2·220	2·223	2·226	2·233	2·238
	24	2·150	2·142	2·132	2·127	2·115	2·116	2·100	2·106	2·114	2·118	2·132	2·148
	25	2·154	2·150	2·150	2·142	2·130	2·130	2·127	2·125	2·121	2·126	2·132	2·137
	26	2·073	2·061	2·047	2·041	2·022	1·994	1·978	1·962	1·950	1·933	1·930	1·930
	27	1·652	1·624	1·595	1·575	1·554	1·526	1·494	1·456	1·422	1·396	1·376	1·324
	28	1·087	1·093	1·101	1·084	1·068	1·059	1·041	1·061	1·065	1·069	1·084	1·082
	29	1·222	1·300	1·257	—	—	—	—	—	—	—	—	—
	30	—	—	—	1·808	1·800	1·818	1·818	1·828	1·834	1·850	1·858	1·870
	31	1·934	1·955	1·963	1·968	1·976	1·985	1·986	1·990	1·995	2·005	2·019	2·025
Hourly Means	1·9331	1·9350	1·9297	1·9386	1·9333	1·9305	1·9217	1·9214	1·9233	1·9293	1·9399	1·9436	
JUNE.	1	1·967	1·956	1·952	1·948	1·935	1·929	1·916	1·926	1·924	1·924	1·928	1·935
	2	2·066	2·077	2·085	2·096	2·098	2·115	2·127	2·132	2·128	2·136	2·153	2·141
	3	2·053	2·033	2·013	1·998	1·990	1·972	1·966	1·969	1·972	1·969	1·972	1·968
	4	1·874	1·871	1·867	1·863	1·847	1·846	1·838	1·836	1·834	1·836	1·841	1·851
	5	1·875	1·878	1·886	—	—	—	—	—	—	—	—	—
	6	—	—	—	2·080	2·083	2·105	2·124	2·132	2·144	2·159	2·189	2·206
	7	2·238	2·234	2·241	2·206	2·200	2·196	2·191	2·189	2·185	2·187	2·189	2·185
	8	2·093	2·092	2·095	2·085	2·089	2·095	2·110	2·128	2·142	2·169	2·200	2·214
	9	2·308	2·290	2·346	2·354	2·353	2·360	2·357	2·353	2·354	2·354	2·369	2·387
	10	2·354	2·347	2·300	2·291	2·300	2·292	2·285	2·281	2·251	2·236	2·226	2·221
	11	2·155	2·152	2·152	2·146	2·147	2·141	2·129	2·114	2·116	2·118	2·126	2·134
	12	2·046	2·034	2·036	—	—	—	—	—	—	—	—	—
	13	—	—	—	1·874	1·873	1·871	1·866	1·864	1·864	1·864	1·878	1·892
	14	1·904	1·910	1·908	1·907	1·895	1·893	1·889	1·885	1·889	1·894	1·906	1·920
	15	1·926	1·947	1·961	1·968	1·972	1·968	1·957	1·958	1·969	1·988	2·009	2·013
	16	1·753	1·727	1·689	1·674	1·627	1·582	1·553	1·530	1·501	1·466	1·466	1·469
	17	1·520	1·534	1·536	1·532	1·526	1·529	1·522	1·525	1·527	1·531	1·555	1·555
	18	1·594	1·611	1·613	1·626	1·624	1·627	1·620	1·630	1·629	1·640	1·641	1·646
	19	1·770	1·778	1·782	—	—	—	—	—	—	—	—	—
	20	—	—	—	1·411	1·367	1·337	1·295	1·274	1·256	1·242	1·267	1·269
	21	1·412	1·414	1·460	1·466	1·462	1·456	1·439	1·431	1·435	1·444	1·446	1·454
	22	1·304	1·286	1·280	1·296	1·308	1·324	1·332	1·368	1·403	1·444	1·496	1·534
	23	1·697	1·700	1·708	1·690	1·682	1·686	1·680	1·680	1·690	1·712	1·732	1·754
	24	1·973	1·992	1·999	2·022	2·016	2·030	2·029	2·031	2·039	2·057	2·069	2·071
	25	2·028	2·026	2·036	2·019	2·018	2·016	2·017	2·013	2·013	1·993	1·985	1·983
	26	1·845	1·836	1·822	—	—	—	—	—	—	—	—	—
	27	—	—	—	2·012	2·015	2·010	1·987	1·972	1·942	1·940	1·947	1·950
	28	2·124	2·124	2·129	2·120	2·114	2·106	2·106	2·096	2·082	2·079	2·089	2·090
	29	1·961	1·947	1·948	1·924	1·922	1·916	1·916	1·902	2·014	1·907	1·921	1·919
	30	2·174	2·182	2·194	2·200	2·198	2·207	2·218	2·222	2·217	2·209	2·209	2·222
	Hourly Means	1·9236	1·9222	1·9245	1·9157	1·9100	1·9080	1·9027	1·9026	1·9046	1·9036	1·9157	1·9224

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	
—	—	—	—	—	—	—	—	—	—	—	—	1.7895
1.804	1.796	1.780	1.740	1.728	1.717	1.719	1.721	1.742	1.762	1.773	1.778	1.8754
1.782	1.765	1.749	1.781	1.792	1.796	1.837	1.851	1.872	1.908	1.938	1.962	1.9390
2.084	2.086	2.076	2.050	2.029	2.005	1.983	1.977	1.974	1.981	1.990	1.981	1.9378
1.908	1.913	1.918	1.912	1.909	1.939	1.950	1.982	2.014	2.036	2.069	2.073	2.1258
2.164	2.161	2.166	2.148	2.136	2.121	2.123	2.119	2.109	2.104	2.108	2.107	2.0348
2.088	2.076	2.058	2.041	2.018	1.910	1.898	1.892	1.981	1.976	1.986	1.988	1.6310
—	—	—	—	—	—	—	—	—	—	—	—	1.7735
1.597	1.595	1.599	1.595	1.598	1.595	1.605	1.636	1.652	1.684	1.695	1.719	1.7560
1.794	1.783	1.794	1.784	1.780	1.787	1.768	1.765	1.769	1.778	1.785	1.784	1.9350
1.747	1.742	1.718	1.710	1.698	1.706	1.719	1.733	1.752	1.792	1.825	1.834	2.0189
1.974	1.975	1.968	1.947	1.920	1.929	1.950	1.965	1.953	1.968	1.975	1.977	1.9282
2.074	2.079	2.066	2.045	2.036	2.027	2.019	2.017	1.921	2.017	2.025	2.018	2.0277
1.940	1.932	1.920	1.896	1.880	1.866	1.859	1.857	1.857	1.866	1.866	1.875	1.9708
—	—	—	—	—	—	—	—	—	—	—	—	1.9560
2.094	2.096	2.091	2.058	2.048	2.031	2.033	2.077	2.035	2.046	2.050	2.052	2.2809
1.995	1.984	1.964	1.942	1.924	1.903	1.915	1.921	1.934	1.916	1.905	1.898	2.3180
1.902	1.936	1.943	1.959	1.969	1.993	2.024	2.050	2.078	2.115	2.138	2.153	2.2298
2.327	2.342	2.348	2.339	2.320	2.313	2.313	2.303	2.304	2.311	2.331	2.340	2.1976
2.358	2.341	2.321	2.307	2.289	2.277	2.257	2.252	2.242	2.259	2.276	2.281	2.1247
2.261	2.260	2.236	2.219	2.202	2.172	2.168	2.156	2.160	2.155	2.165	2.178	2.1199
—	—	—	—	—	—	—	—	—	—	—	—	1.8810
2.228	2.240	2.214	2.192	2.169	2.157	2.145	2.148	2.150	2.154	2.153	2.156	1.2914
2.145	2.152	2.140	2.131	2.107	2.098	2.098	2.108	2.114	2.124	2.134	2.142	1.1042
2.156	2.162	2.154	2.131	2.106	2.080	2.083	2.082	2.076	2.079	2.072	2.072	1.7778
1.908	1.899	1.870	1.832	1.784	1.746	1.732	1.714	1.709	1.686	1.674	1.670	1.9888
1.300	1.269	1.202	1.122	1.054	1.006	0.972	0.958	0.979	1.010	1.052	1.075	1.9236
1.087	1.097	1.080	1.090	1.094	1.110	1.131	1.154	1.175	1.185	1.194	1.210	1.7778
—	—	—	—	—	—	—	—	—	—	—	—	1.9888
1.858	1.866	1.862	1.850	1.840	1.837	1.847	1.850	1.869	1.898	1.912	1.915	1.9236
2.048	2.046	2.024	2.012	1.985	1.982	1.977	1.970	1.964	1.968	1.982	1.972	1.9236
1.9470	1.9459	1.9331	1.9166	1.9006	1.8886	1.8894	1.8945	1.8994	1.9145	1.9259	1.9310	1.9236
—	—	—	—	—	—	—	—	—	—	—	—	1.9501
1.934	1.934	1.937	1.933	1.926	1.932	1.947	1.959	1.964	2.014	2.023	2.060	2.1044
2.166	2.168	2.153	2.133	2.100	2.086	2.076	2.062	2.058	2.052	2.048	2.050	1.9538
1.977	1.970	1.957	1.940	1.924	1.908	1.888	1.882	1.876	1.876	1.878	1.878	1.8334
1.858	1.852	1.837	1.820	1.791	1.774	1.779	1.782	1.802	1.821	1.825	1.856	2.1442
—	—	—	—	—	—	—	—	—	—	—	—	2.1692
2.217	2.238	2.244	2.226	2.218	2.202	2.200	2.194	2.196	2.210	2.223	2.231	2.1993
2.184	2.185	2.177	2.152	2.154	2.136	2.130	1.121	2.099	2.098	2.094	2.090	2.3598
2.226	2.247	2.262	2.265	2.261	2.260	2.269	1.289	2.281	2.293	2.302	2.316	2.2217
2.407	2.418	2.415	2.374	2.360	2.355	2.347	1.350	2.349	2.358	2.359	2.359	2.1048
2.208	2.200	2.187	2.179	2.158	2.141	2.136	1.136	2.137	2.145	2.153	2.156	1.8980
2.129	2.129	2.121	2.090	2.069	2.052	2.060	1.048	2.045	2.052	2.049	2.040	1.8943
—	—	—	—	—	—	—	—	—	—	—	—	1.9311
1.890	1.898	1.885	1.881	1.870	1.858	1.874	1.870	1.883	1.890	1.892	1.896	1.5406
1.919	1.914	1.909	1.886	1.877	1.862	1.869	1.873	1.862	1.881	1.900	1.912	1.5356
2.010	2.010	1.983	1.948	1.918	1.893	1.864	1.852	1.833	1.819	1.803	1.778	1.6603
1.501	1.531	1.524	1.506	1.474	1.470	1.482	1.489	1.494	1.482	1.478	1.506	1.3721
1.556	1.537	1.534	1.507	1.503	1.500	1.522	1.537	1.555	1.560	1.572	1.580	1.3980
1.667	1.687	1.674	1.661	1.653	1.664	1.692	1.696	1.717	1.725	1.749	1.760	1.5023
—	—	—	—	—	—	—	—	—	—	—	—	1.7802
1.296	1.312	1.285	1.285	1.285	1.286	1.299	1.309	1.346	1.370	1.405	1.405	2.0357
1.480	1.452	1.428	1.398	1.378	1.346	1.308	1.292	1.288	1.287	1.288	1.288	1.9493
1.568	1.616	1.638	1.612	1.621	1.635	1.631	1.653	1.663	1.673	1.681	1.690	1.9803
1.781	1.796	1.812	1.818	1.824	1.827	1.858	1.866	1.896	1.924	1.946	1.966	2.0511
2.078	2.076	2.076	2.064	2.030	2.026	2.024	2.032	2.034	2.030	2.034	2.024	1.9760
1.974	1.966	1.950	1.927	1.905	1.876	1.862	1.852	1.838	1.826	1.822	1.837	2.1946
—	—	—	—	—	—	—	—	—	—	—	—	1.9803
1.962	1.974	1.980	1.986	1.986	1.996	2.006	2.020	2.042	2.070	2.106	2.120	2.0511
2.078	2.072	2.052	2.022	2.000	1.980	1.972	1.965	1.957	1.953	1.956	1.960	1.9760
1.938	1.943	1.970	1.969	1.971	1.981	2.012	2.036	2.054	2.087	2.120	2.146	2.1946
2.217	2.243	2.226	2.196	2.163	2.151	2.149	2.156	2.158	2.172	2.186	2.202	1.9130
1.9316	1.9372	1.9314	1.9145	1.9007	1.8922	1.8945	1.8969	1.9010	1.9103	1.9189	1.9272	1.9130

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	2.189	2.181	2.181	2.161	2.162	2.160	2.172	2.160	2.156	2.156	2.160	2.170
	2	2.096	2.102	2.094	2.086	2.072	2.071	2.053	2.034	2.044	2.040	2.044	2.042
	3	1.974	1.968	1.990	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.990	1.989	1.989	2.004	2.012	2.014	2.043	2.061	2.078
	5	2.184	2.200	2.213	2.217	2.220	2.224	2.222	2.222	2.226	2.242	2.252	2.268
	6	2.238	2.237	2.227	2.220	2.208	2.216	2.205	2.195	2.191	2.159	2.175	2.180
	7	2.040	2.025	2.025	1.979	1.972	1.960	1.938	1.921	1.904	1.886	1.869	1.869
	8	1.719	1.710	1.698	1.692	1.688	1.678	1.662	1.656	1.658	1.660	1.658	1.670
	9	1.738	1.741	1.742	1.744	1.747	1.756	1.766	1.780	1.787	1.798	1.803	1.810
	10	1.860	1.878	1.876	—	—	—	—	—	—	—	—	—
	11	—	—	—	1.782	1.774	1.768	1.754	1.732	1.722	1.696	1.692	1.676
	12	1.615	1.632	1.642	1.656	1.660	1.687	1.710	1.725	1.756	1.785	1.822	1.850
	13	2.029	2.026	2.026	2.016	2.012	2.008	1.988	1.988	1.986	1.984	1.990	1.994
	14	1.774	1.757	1.749	1.762	1.730	1.750	1.721	1.730	1.759	1.785	1.819	1.856
	15	2.211	2.226	2.228	2.240	2.243	2.224	2.258	2.263	2.272	2.285	2.296	2.297
	16	2.347	2.353	2.336	2.329	2.277	2.208	2.288	2.275	2.271	2.273	2.275	2.285
	17	2.202	2.186	2.185	—	—	—	—	—	—	—	—	—
	18	—	—	—	1.980	1.967	1.972	1.973	1.976	1.976	1.976	1.979	1.981
	19	2.130	2.136	2.154	2.162	2.174	2.180	2.190	2.194	2.199	2.221	2.232	2.258
	20	2.335	2.341	2.344	2.341	2.338	2.351	2.349	2.347	2.351	2.363	2.366	2.380
	21	2.398	2.416	2.406	2.404	2.403	2.397	2.390	2.386	2.389	2.391	2.391	2.421
	22	2.460	2.409	2.403	2.393	2.378	2.376	2.366	2.369	2.371	2.386	2.396	2.393
	23	2.222	2.207	2.190	2.162	2.151	2.137	2.117	2.099	2.087	2.069	2.043	2.028
	24	1.583	1.552	1.508	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.426	1.442	1.442	1.451	1.477	1.531	1.545	1.575	1.612
	26	2.027	2.059	2.061	2.077	2.090	2.109	2.107	2.112	2.122	2.128	2.149	2.167
	27	2.156	2.150	2.143	2.120	2.120	2.106	2.097	2.085	2.073	2.071	2.076	2.079
	28	1.933	1.916	1.906	1.896	1.872	1.862	1.852	1.842	1.835	1.831	1.844	1.831
	29	1.870	1.872	1.859	1.849	1.842	1.844	1.852	1.831	1.821	1.814	1.810	1.798
	30	1.535	1.527	1.519	1.501	1.491	1.486	1.484	1.484	1.490	1.504	1.517	1.530
	31 ^a	1.697	1.706	1.725	—	—	—	—	—	—	—	—	—
Hourly Means	2.0333	2.0310	2.0271	2.0071	2.0008	1.9985	1.9988	1.9960	1.9996	2.0035	2.0113	2.0201	
AUGUST.	31	1.697	1.706	1.725	—	—	—	—	—	—	—	—	
	1	—	—	—	1.953	1.943	1.919	1.912	1.902	1.898	1.891	1.888	1.926
	2	2.074	2.074	2.069	2.058	2.046	2.022	1.992	1.971	1.967	1.945	1.903	1.930
	3	1.636	1.616	1.609	1.611	1.611	1.598	1.580	1.593	1.607	1.618	1.632	1.648
	4	—	1.913	1.929	1.948	1.960	1.972	1.968	1.994	2.002	2.028	2.055	2.077
	5	2.148	2.145	2.149	2.147	2.135	2.129	2.126	2.120	2.112	2.110	2.112	2.122
	6	2.161	2.159	2.156	2.154	2.158	2.136	2.150	2.142	2.152	2.157	2.173	2.156
	7	2.235	2.240	2.247	—	—	—	—	—	—	—	—	—
	8	—	—	—	2.399	2.397	2.389	2.373	2.366	2.371	2.374	2.381	2.395
	9	2.232	2.231	2.200	2.184	2.178	2.144	2.118	2.112	2.106	2.112	2.114	2.126
	10	1.931	1.928	1.924	1.922	1.922	1.908	1.900	1.908	1.908	1.924	1.950	1.958
	11	2.056	2.054	2.058	2.059	2.056	2.050	2.041	2.039	2.032	2.039	2.054	2.052
	12	1.916	1.910	1.906	1.903	1.876	1.858	1.837	1.834	1.820	1.812	1.797	1.788
	13	1.638	1.632	1.622	1.608	1.584	1.571	1.566	1.572	1.578	1.592	1.606	1.630
	14	1.789	1.798	1.800	—	—	—	—	—	—	—	—	—
	15	—	—	—	1.788	1.756	1.730	1.682	1.672	—	1.747	1.760	1.790
	16	1.856	1.850	1.852	1.853	1.856	1.848	1.843	1.844	1.873	1.878	1.896	1.916
	17	1.928	1.926	1.926	1.931	1.921	1.913	1.908	1.906	1.908	1.906	1.898	1.902
	18	1.702	1.690	1.676	1.664	1.615	1.587	1.555	1.548	1.592	1.605	1.632	1.668
	19	1.856	1.864	1.846	1.844	1.834	1.849	1.853	1.858	1.868	1.884	1.915	1.954
	20	2.074	2.075	2.100	2.108	2.108	2.111	2.111	2.109	2.144	2.176	2.199	2.220
	21	2.094	2.091	2.042	—	—	—	—	—	—	—	—	—
	22	—	—	—	1.840	1.804	1.764	1.746	1.746	1.796	1.845	1.881	1.934
	23	1.931	1.901	1.873	1.848	1.822	1.752	1.710	1.694	1.643	1.590	1.538	1.494
	24	1.554	1.567	1.572	1.574	1.580	—	1.614	1.616	1.645	1.651	1.643	1.672
	25	1.819	1.828	1.834	1.836	1.842	1.830	1.830	1.834	1.844	1.838	1.832	1.844
	26	1.562	1.531	1.506	1.472	1.456	1.447	1.411	1.407	1.398	1.394	1.382	1.359
	27	1.079	1.087	1.122	1.133	1.135	1.150	1.140	1.167	1.157	1.217	1.220	1.243
	28	1.595	1.628	1.656	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	1.916	1.916	1.916	1.914	1.933	1.951	1.971	2.000
	30	2.212	2.221	2.230	2.241	2.243	2.244	2.253	2.259	2.278	2.285	2.315	2.332
31	2.321	2.315	2.306	2.299	2.299	2.282	2.281	2.268	2.270	2.270	2.275	2.265	
Hourly Means	1.8883	1.8881	1.8865	1.8991	1.8908	1.8892	1.8673	1.8665	1.8808	1.8829	1.8897	1.9037	

^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	
2.163	2.165	2.148	2.111	2.100	2.094	2.092	2.090	2.090	2.094	2.098	2.104	2.1399
2.037	2.035	2.011	1.992	1.968	1.950	1.944	1.944	1.948	1.950	1.958	1.966	2.0200
—	—	—	—	—	—	—	—	—	—	—	—	—
2.080	2.090	2.087	2.074	2.072	2.075	2.082	2.082	2.093	2.112	2.126	2.155	2.0517
2.281	2.282	2.270	2.238	2.214	2.216	2.214	2.214	2.226	2.230	2.233	2.234	2.2309
2.192	2.188	2.150	2.122	2.108	2.085	2.076	2.070	2.062	2.060	2.061	2.048	2.1530
1.842	1.836	1.816	1.784	1.764	1.754	1.752	1.745	1.737	1.735	1.734	1.728	1.8590
1.688	1.691	1.670	1.654	1.643	1.641	1.648	1.661	1.670	1.689	1.704	1.720	1.6762
1.830	1.840	1.834	1.826	1.809	1.812	1.802	1.812	1.817	1.830	1.835	1.841	1.7958
—	—	—	—	—	—	—	—	—	—	—	—	—
1.654	1.638	1.612	1.543	1.517	1.497	1.470	1.507	1.545	1.551	1.592	1.609	1.6644
1.890	1.919	1.930	1.932	1.932	1.945	1.958	1.976	1.988	1.993	2.017	2.026	1.8352
1.981	1.972	1.955	1.918	1.889	1.880	1.860	1.850	1.844	1.834	1.813	1.804	1.9445
1.880	1.885	1.948	1.955	1.956	1.960	2.045	2.078	2.106	2.127	2.162	2.173	1.8945
2.313	2.314	2.327	2.310	2.296	2.289	2.298	2.292	2.302	2.311	2.327	2.337	2.2816
2.285	2.281	2.274	2.251	2.226	2.208	2.199	2.206	2.217	2.225	2.220	2.216	2.2635
—	—	—	—	—	—	—	—	—	—	—	—	—
2.010	2.022	2.011	1.996	1.970	1.971	1.976	2.018	2.035	2.058	2.092	2.124	2.0260
2.270	2.288	2.294	2.282	2.276	2.274	2.280	2.283	2.288	2.300	2.306	2.306	2.2365
2.393	2.395	2.400	2.382	2.361	2.357	2.362	2.362	2.371	2.378	2.386	2.390	2.3643
2.427	2.431	2.417	2.394	2.384	2.366	2.379	2.385	2.387	2.398	2.406	2.407	2.3989
2.393	2.378	2.350	2.324	2.299	2.272	2.264	2.245	2.247	2.248	2.246	2.245	2.3421
2.008	1.969	1.947	1.884	1.842	1.806	1.767	1.745	1.716	1.710	1.683	1.650	1.9683
—	—	—	—	—	—	—	—	—	—	—	—	—
1.666	1.714	1.949	1.774	1.800	1.840	1.872	1.892	1.914	1.936	1.960	1.980	1.6767
2.170	2.188	2.174	2.156	2.135	2.131	2.129	2.127	2.128	2.130	2.143	2.144	2.1235
2.070	2.057	2.034	2.008	1.966	1.958	1.942	1.946	1.931	1.940	1.932	1.939	2.0413
1.835	1.840	1.843	1.824	1.817	1.806	1.818	1.820	1.829	1.845	1.850	1.864	1.8505
1.792	1.773	1.740	1.706	1.648	1.609	1.595	1.575	1.576	1.574	1.540	1.547	1.7390
1.528	1.535	1.529	1.534	1.529	1.552	1.563	1.570	1.598	1.616	1.643	1.657	1.5384
—	—	—	—	—	—	—	—	—	—	—	—	—
2.0262	2.0279	2.0200	1.9990	1.9816	1.9749	1.9764	1.9806	1.9871	1.9951	2.0026	2.0082	2.0045
—	—	—	—	—	—	—	—	—	—	—	—	—
1.934	1.981	1.994	1.991	1.995	1.989	2.002	2.010	2.014	2.052	2.063	2.068	1.9355
1.900	1.886	1.857	1.818	1.770	1.733	1.709	1.698	1.688	1.677	1.666	1.646	1.8791
1.649	1.664	1.685	1.688	1.699	1.717	1.743	1.750	1.786	1.816	1.851	1.880	1.6786
2.104	2.121	2.120	2.112	2.103	2.092	2.092	2.108	2.113	2.128	2.138	2.144	2.0531
2.116	2.115	2.111	2.101	2.091	2.098	2.104	2.112	2.123	2.140	2.152	2.158	2.1240
2.166	2.169	2.164	2.157	2.163	2.175	2.181	2.185	2.192	2.209	2.222	2.229	2.1694
—	—	—	—	—	—	—	—	—	—	—	—	—
2.391	2.387	2.358	2.321	2.302	2.263	2.257	2.249	2.246	2.238	2.247	2.235	2.3192
2.104	2.096	2.051	2.022	2.000	1.978	1.966	1.952	1.942	1.946	1.941	1.937	2.0747
1.950	1.968	1.966	1.964	1.948	1.958	1.967	1.989	2.007	2.018	2.037	2.045	1.9542
2.046	2.050	2.018	1.990	1.955	1.944	1.934	1.926	1.915	1.917	1.925	1.922	2.0055
1.782	1.762	1.730	1.701	1.683	1.665	1.639	1.635	1.626	1.631	1.641	1.700	1.7688
1.642	1.641	1.662	1.671	1.665	1.675	1.683	1.696	1.716	1.724	1.751	1.763	1.6453
—	—	—	—	—	—	—	—	—	—	—	—	—
1.807	1.813	1.814	1.816	1.807	1.797	1.796	1.807	1.816	1.833	1.845	1.854	1.7877
1.924	1.930	1.915	1.910	1.889	1.882	1.866	1.869	1.884	1.898	1.909	1.915	1.8815
1.898	1.900	1.872	1.833	1.806	1.792	1.777	1.742	1.719	1.718	1.715	1.708	1.8522
1.686	1.713	1.718	1.728	1.742	1.743	1.749	1.774	1.794	1.838	1.837	1.833	1.6954
1.976	1.994	1.996	1.979	1.971	1.965	1.964	1.971	1.986	1.998	2.024	2.048	1.9332
2.210	2.217	2.204	2.170	2.125	2.116	2.110	2.114	2.113	2.100	2.102	2.115	2.1305
—	—	—	—	—	—	—	—	—	—	—	—	—
1.966	1.994	1.982	1.964	1.954	1.944	1.938	1.936	1.945	1.947	1.950	1.944	1.9186
1.446	1.382	1.337	1.317	1.278	1.259	1.292	1.312	1.369	1.443	1.473	1.526	1.5512
1.691	1.677	1.676	1.671	1.679	1.678	1.699	1.712	1.729	1.750	1.778	1.793	1.6618
1.842	1.816	1.780	1.745	1.697	1.671	1.647	1.625	1.622	1.615	1.608	1.582	1.7609
1.324	1.288	1.246	1.201	1.145	1.118	1.086	1.048	1.037	1.049	1.070	1.071	1.2920
1.263	1.282	1.271	1.293	1.339	1.361	1.403	1.446	1.459	1.483	1.528	1.569	1.2728
—	—	—	—	—	—	—	—	—	—	—	—	—
2.024	2.029	2.050	2.052	2.049	2.055	2.073	2.091	2.116	2.130	2.180	2.197	1.9757
2.352	—	2.332	2.320	2.304	2.299	2.293	2.290	2.300	2.311	2.319	2.323	2.2850
2.263	2.244	2.227	2.198	2.171	2.143	2.131	2.118	2.124	2.114	2.122	2.121	2.2261
—	—	—	—	—	—	—	—	—	—	—	—	—
1.9058	1.8892	1.8940	1.8790	1.8641	1.8559	1.8556	1.8580	1.8660	1.8786	1.8924	1.9010	1.8821

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	2.115	2.108	2.096	2.082	2.071	2.066	2.058	2.044	2.045	2.038	2.041	2.044
	2	1.748	1.721	1.685	1.639	1.623	1.553	1.513	1.473	1.445	1.439	1.453	1.470
	3	1.784	1.786	1.789	1.796	1.814	1.800	1.798	1.804	1.805	1.803	1.796	1.792
	4	1.817	1.864	1.876	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	2.175	2.169	2.163	2.161	2.176	2.182	2.184	2.200
	6	2.254	2.257	2.251	2.254	2.243	2.236	2.229	2.233	2.236	2.258	2.266	2.267
	7	2.253	2.242	2.242	2.238	2.233	2.223	2.216	2.215	2.219	2.221	2.233	2.240
	8	2.095	2.093	2.094	2.093	2.086	2.064	2.051	2.043	2.041	2.043	2.054	2.052
	9	1.894	1.890	1.877	1.856	1.846	1.729	1.809	1.796	1.782	1.762	1.746	1.734
	10	1.473	1.463	1.448	1.404	1.399	1.347	1.286	1.234	1.190	1.147	1.112	1.075
	11	1.121	1.132	1.136	—	—	—	—	—	—	—	—	—
	12	—	—	—	1.470	1.480	1.504	1.505	1.532	1.556	1.579	1.605	1.635
	13	1.925	1.942	1.942	1.976	1.982	1.994	2.010	2.028	2.058	2.068	2.100	2.119
	14	2.134	2.132	2.126	2.122	2.122	2.122	2.024	2.012	1.998	1.992	1.989	1.966
	15	1.768	1.753	1.736	1.714	1.699	1.684	1.650	1.625	1.590	1.592	1.590	1.571
	16	1.712	1.748	1.742	1.763	1.776	1.782	1.786	1.791	1.842	1.872	1.892	1.900
	17	1.827	1.812	1.784	1.769	1.761	1.723	1.685	1.662	—	1.616	1.593	1.563
	18	1.509	1.509	1.509	—	—	—	—	—	—	—	—	—
	19	—	—	—	1.758	1.750	1.750	1.760	1.778	1.802	1.826	1.856	1.876
	20	1.896	1.890	1.888	1.887	1.872	1.861	1.850	1.844	1.842	1.849	1.850	1.836
	21	1.664	1.661	1.662	1.656	1.631	1.623	1.638	1.674	1.698	1.734	1.762	1.793
	22	1.912	1.926	1.900	1.882	1.914	1.878	1.850	1.814	1.787	1.740	1.691	1.641
	23	1.429	1.421	1.418	1.421	1.415	1.391	1.384	1.368	1.372	1.366	1.367	—
	24	1.596	1.635	1.665	1.682	1.710	1.716	1.736	1.759	1.780	1.821	1.862	1.895
	25	2.051	2.065	2.067	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	2.065	2.078	2.072	2.069	2.083	2.099	2.099	2.093
	27	2.026	2.020	2.006	1.998	1.976	1.960	1.944	1.930	1.916	1.926	1.932	1.931
	28	1.842	1.838	1.830	1.826	1.813	1.809	1.800	1.794	1.817	1.829	1.847	1.850
	29	1.717	1.692	1.692	1.689	1.626	1.612	1.582	1.555	1.529	1.511	1.509	1.493
	30	1.637	1.659	1.680	1.710	1.722	1.727	1.727	1.746	1.762	1.777	1.778	1.773
Hourly Means	1.8153	1.8176	1.8169	1.8202	1.8386	1.8231	1.8125	1.8071	1.8148	1.8112	1.8157	1.8324	
OCTOBER.	1	1.612	1.593	—	1.565	1.544	1.523	1.515	1.493	1.496	1.496	1.493	1.478
	2	1.419	1.410	1.405	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.486	1.518	1.511	1.524	1.556	1.556	1.575	1.613	1.634
	4	1.804	1.816	1.836	1.858	1.858	1.865	1.865	1.867	1.878	1.892	1.898	1.906
	5	1.850	1.856	1.856	1.860	1.856	1.842	1.837	1.828	1.828	1.845	1.827	1.822
	6	1.621	1.605	1.593	1.564	1.532	1.490	—	1.430	1.414	1.424	1.435	1.460
	7	1.615	1.611	1.602	1.558	1.560	1.551	1.543	1.557	1.553	1.575	1.590	1.584
	8	1.748	1.769	1.772	1.772	1.768	1.757	1.754	1.747	1.762	1.762	1.758	1.757
	9	1.560	1.555	1.545	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.914	1.928	1.942	1.953	1.990	2.018	2.042	2.068	2.082
	11	2.154	2.146	2.150	2.155	2.137	2.138	2.134	2.142	2.162	2.186	2.189	2.193
	12	2.247	2.255	2.270	2.264	2.268	2.267	2.274	2.281	2.302	2.311	2.328	2.343
	13	2.381	2.380	2.373	2.368	2.358	2.346	2.334	2.341	2.347	2.349	2.371	2.377
	14	2.221	2.218	2.212	2.216	2.189	2.167	2.150	2.142	2.158	2.146	2.138	2.133
	15	1.929	1.914	1.902	1.868	—	1.810	1.790	1.783	1.783	1.770	1.761	1.745
	16	1.549	1.549	1.560	—	—	—	—	—	—	—	—	—
	17	—	—	—	1.714	1.735	1.752	1.773	1.808	1.870	1.886	1.925	1.957
	18	2.074	2.063	2.042	2.033	2.006	1.989	1.979	1.969	1.977	1.978	1.978	1.979
	19	1.842	1.833	1.831	1.808	1.779	1.764	1.754	1.758	1.754	1.751	1.752	1.745
	20	1.789	1.810	1.837	1.845	1.838	1.835	1.840	1.862	1.894	1.889	1.897	1.912
	21	1.899	1.887	1.887	1.885	1.880	1.868	1.871	1.885	1.908	1.916	1.929	1.940
	22	2.002	2.008	2.004	2.016	2.004	1.999	1.987	1.978	1.986	1.994	2.009	1.997
	23	1.857	1.832	1.820	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.873	1.891	1.906	1.921	1.946	1.966	1.990	2.013	2.037
	25	2.208	2.202	2.210	2.207	2.196	2.194	2.195	2.195	2.212	2.223	2.231	2.235
	26	2.132	2.114	2.096	2.137	—	2.042	2.030	2.020	2.016	1.012	1.993	1.962
	27	1.686	1.675	1.663	1.646	1.597	1.558	1.532	1.529	1.530	1.523	1.515	1.506
	28	1.376	1.375	1.363	1.350	1.323	1.305	1.296	1.294	1.291	1.282	1.293	1.276
	29	1.502	1.499	1.505	1.523	1.538	1.536	1.556	1.568	1.585	1.612	1.628	1.653
	30	1.831	1.839	1.844	—	—	—	—	—	—	—	—	—
	31	—	—	—	1.803	1.792	1.784	1.964	1.764	1.768	1.770	1.767	1.752
Hourly Means	1.8426	1.8390	1.8471	1.8572	1.8373	1.8362	1.8548	1.8359	1.8467	1.8538	1.8615	1.8640	

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	
2.038	2.010	1.961	1.930	1.891	1.849	1.813	1.788	1.778	1.770	1.779	1.769	1.9660
1.501	1.510	1.561	1.560	1.571	1.600	1.634	1.656	1.683	1.718	1.747	1.770	1.5947
1.783	1.782	1.777	1.758	1.723	1.736	1.743	1.752	1.767	1.784	1.812	1.819	1.7835
—	—	—	—	—	—	—	—	—	—	—	—	2.1462
2.214	2.198	2.192	2.175	2.174	2.175	2.178	2.182	2.205	2.225	2.230	2.248	2.2471
2.282	2.275	2.261	2.253	2.242	2.237	2.226	2.229	2.224	2.229	2.237	2.251	2.1828
2.233	2.214	2.182	2.151	2.129	2.114	2.100	2.095	2.098	2.097	2.100	2.098	2.0065
2.064	2.016	1.995	1.971	1.955	1.930	1.912	1.904	1.900	1.902	1.900	1.898	1.6935
1.724	1.706	1.665	1.632	1.587	1.558	1.527	1.517	1.510	1.505	1.499	1.494	1.1435
1.057	1.020	0.994	0.961	0.979	0.926	0.909	0.967	0.975	0.933	1.053	1.091	1.6104
—	—	—	—	—	—	—	—	—	—	—	—	2.0693
1.690	1.718	1.736	1.728	1.744	1.763	1.775	1.813	1.814	1.841	1.882	1.893	1.9584
2.134	2.158	2.146	2.128	2.122	2.118	2.109	2.112	2.112	2.117	2.126	2.137	1.6282
1.988	1.961	1.932	1.900	1.860	1.830	1.808	1.814	1.806	1.785	1.789	1.790	1.8354
1.553	1.553	1.557	1.576	1.552	1.565	1.567	1.592	1.596	1.635	1.667	1.692	1.5732
1.918	1.922	1.909	1.895	1.868	1.851	1.845	1.848	1.847	1.849	1.850	1.842	1.7977
1.527	1.506	1.459	1.421	1.395	1.389	1.404	1.398	1.421	1.477	1.487	1.504	1.7837
—	—	—	—	—	—	—	—	—	—	—	—	1.7770
1.879	1.893	1.876	1.868	1.851	1.843	1.849	1.855	1.868	1.867	1.893	1.920	1.6295
1.829	1.796	1.757	1.711	1.685	1.681	1.682	1.678	1.658	1.652	1.652	1.664	1.4066
1.810	1.838	1.844	1.855	1.850	1.853	1.865	1.888	1.900	1.910	1.913	1.926	1.8410
1.589	1.559	1.509	1.435	1.399	1.365	1.361	1.365	1.365	1.380	1.409	1.438	2.0452
1.371	1.369	1.363	1.352	1.357	1.358	1.374	1.406	1.458	1.493	1.532	1.567	1.9112
1.916	1.933	1.927	1.915	1.907	1.907	1.921	1.935	1.954	1.980	2.009	2.022	1.8116
—	—	—	—	—	—	—	—	—	—	—	—	1.4893
2.095	2.085	2.043	2.029	2.001	1.985	1.979	1.979	1.978	1.993	2.007	2.024	1.7352
1.931	1.922	1.897	1.883	1.855	1.836	1.833	1.816	1.818	1.827	1.846	1.841	1.7949
1.858	1.859	1.845	1.827	1.818	1.794	1.780	1.775	1.763	1.769	1.754	1.742	1.8166
1.475	1.456	1.427	1.410	1.394	1.380	1.390	1.435	1.466	1.512	1.574	1.617	1.4893
1.781	1.749	1.705	1.679	1.661	1.644	1.637	1.620	1.622	1.619	1.613	1.616	1.7352
1.8169	1.8080	1.7892	1.7693	1.7527	1.7418	1.7393	1.7430	1.7533	1.7642	1.7831	1.7951	1.7949
1.467	1.469	1.417	1.398	1.372	1.370	1.367	1.376	1.381	1.414	1.420	1.421	1.4643
—	—	—	—	—	—	—	—	—	—	—	—	1.6056
1.644	1.663	1.661	1.660	1.677	1.662	1.677	1.691	1.694	1.737	1.770	1.792	1.8613
1.918	1.909	1.887	1.866	1.859	1.854	1.852	1.834	1.826	1.839	1.839	1.844	1.7721
1.801	1.785	1.755	1.721	1.697	1.665	1.649	1.643	1.646	1.651	1.638	—	1.5175
1.482	1.489	1.509	1.511	1.506	1.500	1.505	1.528	1.536	1.561	1.587	1.620	1.6010
1.579	1.568	1.554	1.543	1.559	1.605	1.647	1.649	1.667	1.687	1.722	1.746	1.7039
1.746	1.732	1.713	1.682	1.673	1.646	1.634	1.614	1.589	1.582	1.583	1.573	1.9929
—	—	—	—	—	—	—	—	—	—	—	—	2.1712
2.100	2.121	2.107	2.107	2.086	2.073	2.073	2.079	2.095	2.103	2.136	2.152	2.3198
2.190	2.187	2.179	2.175	2.174	2.174	2.131	2.188	2.186	2.195	2.213	2.230	2.3170
2.368	2.364	2.365	2.367	2.364	2.349	2.343	2.331	2.337	2.347	2.361	2.369	2.0855
2.364	2.327	2.309	2.299	2.283	2.261	2.249	2.243	2.237	2.233	2.241	2.237	1.6779
2.114	2.099	2.071	2.035	2.015	1.973	1.959	1.949	1.938	1.929	1.939	1.940	1.8817
1.713	1.677	1.633	1.585	1.531	1.498	1.461	1.447	1.447	1.483	1.515	1.546	1.9395
—	—	—	—	—	—	—	—	—	—	—	—	1.7348
1.964	1.950	1.974	1.983	1.991	1.993	2.000	2.019	2.035	2.044	2.059	2.070	1.8660
1.965	1.964	1.921	1.901	1.877	1.853	1.834	1.824	1.817	1.822	1.847	1.855	1.9306
1.723	1.798	1.668	1.652	1.651	1.616	1.622	1.625	1.676	1.709	1.753	1.770	1.9428
1.920	1.908	1.890	1.877	1.866	1.854	1.857	1.863	1.863	1.864	1.876	1.897	2.0176
1.962	1.963	1.954	1.950	1.948	1.952	1.952	1.970	1.960	1.976	1.988	2.004	1.9306
1.982	1.939	1.938	1.913	1.899	1.873	1.855	1.851	1.840	1.849	1.851	1.854	1.9428
—	—	—	—	—	—	—	—	—	—	—	—	2.1771
2.053	2.061	2.070	2.080	2.092	2.100	2.113	2.122	2.139	2.159	2.182	2.199	1.9034
2.231	2.175	2.173	2.163	2.155	2.131	2.125	2.118	2.109	2.112	2.121	2.129	1.4524
1.939	1.877	1.843	1.829	1.786	1.742	1.722	1.786	1.669	1.668	1.672	1.692	1.3321
1.444	1.406	1.372	1.351	1.306	1.260	1.208	1.239	1.251	1.318	1.332	1.410	1.6507
1.273	1.277	1.244	1.286	1.304	1.324	1.343	1.351	1.391	1.425	1.454	1.475	1.7380
1.679	1.699	1.705	1.707	1.722	1.733	1.743	1.753	1.769	1.785	1.800	1.816	1.8344
—	—	—	—	—	—	—	—	—	—	—	—	1.8344
1.748	1.734	1.710	1.690	1.677	1.648	1.627	1.619	—	1.614	1.604	1.625	1.8344
1.8603	1.8516	1.8316	1.8204	1.8104	1.7961	1.7903	1.7966	1.8039	1.8118	1.8270	1.8506	1.8344

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	1.633	1.624	1.620	1.612	1.570	1.559	1.533	1.522	1.533	1.524	1.522	1.495
	2	1.512	1.520	1.536	1.529	1.525	1.527	1.534	1.545	1.553	1.567	1.576	1.575
	3	1.830	1.853	1.854	1.875	1.883	1.894	1.904	1.912	1.938	1.956	1.978	1.992
	4	2.053	2.050	2.037	2.040	2.014	2.004	2.000	1.992	1.998	1.996	1.994	1.974
	5	1.838	1.822	1.818	1.798	1.778	1.762	1.754	1.752	1.752	1.752	1.748	1.748
	6	1.667	1.677	1.688	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.949	1.942	1.936	1.928	1.934	1.950	1.962	1.971	1.966
	8	—	—	1.711	1.697	1.685	1.682	1.657	1.625	1.600	1.577	1.550	1.531
	9	1.603	1.600	1.578	1.570	1.562	1.587	1.594	1.600	1.627	1.647	1.668	1.685
	10	1.906	1.921	1.928	1.934	1.940	1.942	1.962	1.972	2.000	2.004	2.020	2.026
	11	1.949	1.920	1.904	1.884	1.852	1.823	1.784	1.752	1.734	1.734	1.706	1.679
	12	1.824	1.843	1.850	1.834	1.822	1.812	1.796	1.791	1.780	1.782	1.774	1.749
	13	1.609	1.609	1.621	—	—	—	—	—	—	—	—	—
	14	—	—	—	1.879	1.858	1.830	1.788	1.799	1.792	1.796	1.788	1.783
	15	1.561	1.566	1.532	1.521	1.512	1.500	1.486	1.496	1.482	1.467	1.444	1.435
	16	—	1.359	1.364	1.369	1.370	1.375	1.387	1.413	1.430	1.447	1.454	1.453
	17	1.593	1.590	1.585	1.573	1.555	1.555	1.564	1.558	1.554	1.559	1.569	1.590
	18	1.561	1.570	1.575	1.578	1.585	1.583	1.599	1.607	1.631	1.645	1.660	1.674
	19	1.738	1.738	1.728	1.720	1.722	1.716	1.711	1.704	1.705	1.702	1.697	1.683
	20	1.506	1.520	1.532	—	—	—	—	—	—	—	—	—
	21	—	—	—	1.882	1.878	1.869	1.869	1.869	1.880	1.892	1.877	1.860
	22	1.894	1.892	1.889	1.886	1.867	1.856	1.847	1.833	1.828	1.830	1.798	1.784
	23	1.665	1.649	1.636	1.615	1.592	1.575	1.563	1.551	1.556	1.557	1.561	1.553
	24	1.513	1.491	1.477	1.439	1.417	—	1.354	1.338	1.362	1.351	1.343	1.328
	25	1.496	1.507	1.514	1.512	1.518	1.514	1.523	1.525	1.525	1.545	1.551	1.542
	26	1.484	1.493	1.500	1.503	1.503	1.506	1.506	1.506	1.522	1.542	—	1.547
	27	1.522	1.482	1.459	—	—	—	—	—	—	—	—	—
	28	—	—	—	1.402	1.405	1.409	1.413	1.424	1.433	1.443	1.450	1.457
	29	1.527	1.538	1.551	1.563	1.547	1.544	1.528	1.525	1.533	1.549	1.563	1.569
	30	1.397	1.377	1.353	1.315	1.302	1.290	1.271	1.245	1.235	1.194	1.187	1.129
Hourly Means	1.6617	1.6486	1.6477	1.6723	1.6617	1.6660	1.6483	1.6458	1.6513	1.6546	1.6580	1.6464	
DECEMBER.	1 ^a	1.260	1.302	1.311	1.319	1.331	1.331	1.332	1.334	—	—	—	—
	2	1.583	1.601	1.625	1.628	1.643	1.671	1.673	1.693	1.722	1.744	1.756	1.767
	3	1.904	1.904	1.900	1.897	1.894	1.894	1.919	1.930	1.956	1.966	1.990	2.013
	4	2.052	2.057	2.053	—	—	—	—	—	—	—	—	—
	5	—	—	—	1.932	1.924	1.918	1.908	1.913	1.915	1.918	1.918	1.907
	6	1.897	1.900	1.902	1.900	1.898	1.894	1.889	1.894	1.912	1.930	1.938	1.945
	7	1.989	1.990	1.983	1.988	1.980	1.966	1.968	1.966	1.979	1.970	1.969	1.973
	8	2.010	2.009	2.018	2.018	2.008	2.008	2.010	2.027	2.031	2.050	2.063	2.086
	9	2.222	2.231	2.232	2.227	2.210	2.206	2.206	2.207	2.220	2.229	2.239	2.236
	10	2.195	2.190	2.174	2.164	2.153	2.141	2.144	2.143	2.152	2.158	2.173	2.169
	11	2.079	2.069	2.065	—	—	—	—	—	—	—	—	—
	12	—	—	—	2.005	2.001	1.987	1.979	1.971	1.985	1.995	2.005	2.007
	13	2.017	2.024	2.024	2.026	2.030	2.030	2.032	2.049	2.056	2.076	2.086	2.100
	14	2.052	2.048	2.032	2.013	1.992	1.964	1.950	1.940	1.936	1.929	1.931	1.914
	15	1.579	1.583	1.560	1.536	1.493	1.461	1.450	1.438	1.415	1.407	1.387	1.363
	16	1.357	1.366	1.374	1.382	1.374	1.363	—	1.346	1.346	1.355	1.350	1.351
	17	1.441	1.458	1.454	1.448	1.444	1.424	1.435	1.451	1.456	1.460	1.467	1.477
	18	1.563	1.576	1.570	—	—	—	—	—	—	—	—	—
	19	—	—	—	1.814	1.821	1.826	1.834	1.838	—	1.846	1.852	1.857
	20	1.787	1.756	1.714	1.680	1.645	1.623	1.593	1.583	1.559	1.534	1.511	1.492
	21	1.073	1.068	1.056	1.021	0.998	0.973	0.947	0.900	0.867	0.851	0.835	0.846
	22	1.225	1.299	1.247	1.251	1.264	1.269	1.272	1.273	1.285	1.303	1.310	1.307
	23	1.526	1.535	1.554	1.552	1.547	1.541	1.557	1.557	1.567	1.561	1.584	1.591
	24	1.652	1.647	1.644	1.638	1.618	1.597	1.585	1.577	1.573	1.565	1.560	1.549
	25	1.643	1.636	1.636	—	—	—	—	—	—	—	—	—
	26	—	—	—	1.882	1.872	1.868	1.864	1.872	1.886	1.895	1.911	1.926
	27	1.910	1.914	1.913	1.904	1.892	1.881	1.876	1.872	1.896	1.897	1.904	1.914
	28	1.875	1.869	1.864	1.846	1.834	1.821	1.815	1.808	1.804	1.797	1.794	1.768
	29	1.599	1.602	1.600	1.584	1.570	1.568	1.576	1.590	1.596	1.600	1.613	1.620
	30	1.756	1.768	1.778	1.778	1.776	1.770	1.781	1.789	1.808	1.823	1.832	1.836
	31	—	1.921	1.924	1.926	1.907	1.892	1.890	1.899	1.901	1.900	1.893	1.888
Hourly Means	1.7409	1.7527	1.7484	1.7540	1.7451	1.7366	1.7494	1.7356	1.7529	1.7600	1.7643	1.7655	

^a Not included in the daily 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	
1.482	1.436	1.427	1.388	1.364	1.343	1.328	1.383	1.397	1.419	1.468	1.505	1.4870
1.581	1.566	1.571	1.574	1.579	1.585	1.610	1.632	1.678	1.706	1.753	1.797	1.5888
2.002	1.998	2.003	2.005	2.013	2.007	2.003	2.005	2.018	2.037	2.036	2.054	1.9604
1.954	1.929	1.895	1.879	1.869	1.841	1.825	1.819	1.815	1.823	1.826	1.823	1.9355
1.747	1.732	1.716	1.692	1.678	1.654	1.629	1.605	1.618	1.640	1.662	1.682	1.7240
—	—	—	—	—	—	—	—	—	—	—	—	—
1.940	1.931	1.911	1.896	1.857	1.831	1.835	1.809	1.805	1.801	1.789	1.786	1.8650
1.517	1.544	1.554	1.538	1.600	1.591	1.573	1.570	1.562	1.569	1.586	1.606	1.5966
1.698	1.703	1.715	1.726	1.726	1.730	1.739	1.744	1.781	1.829	1.869	1.895	1.6865
2.033	2.013	1.993	1.991	1.977	1.972	1.965	1.972	1.966	1.975	1.964	1.974	1.9730
1.615	1.595	1.602	1.612	1.617	1.662	1.657	1.685	1.707	1.725	1.747	1.793	1.7391
1.700	1.671	1.630	1.598	1.537	1.509	1.524	1.526	1.522	1.540	1.561	1.597	1.6905
—	—	—	—	—	—	—	—	—	—	—	—	—
1.741	1.695	1.643	1.606	1.548	1.508	1.478	1.447	1.408	1.463	1.525	1.584	1.6582
1.359	1.308	1.262	1.169	1.116	1.173	1.222	1.196	1.240	1.240	1.297	1.343	1.3720
1.452	1.461	1.464	1.456	1.460	1.458	1.466	1.483	1.512	1.547	1.549	1.569	1.4477
1.558	1.547	1.532	1.521	1.484	1.468	1.454	1.482	1.486	1.487	1.514	1.548	1.5386
1.679	1.679	1.675	1.674	1.667	1.664	1.664	1.673	1.689	1.702	1.714	1.725	1.6447
1.645	1.603	1.574	1.557	1.514	1.490	1.452	1.459	1.453	1.465	1.477	1.477	1.6138
—	—	—	—	—	—	—	—	—	—	—	—	—
1.905	1.894	1.878	1.878	1.869	1.869	1.866	1.866	1.869	1.875	1.876	1.889	1.8320
1.762	1.737	1.715	1.699	1.697	1.691	1.684	1.671	1.654	1.667	1.679	1.680	1.7725
1.542	1.535	1.518	1.502	1.489	1.508	1.506	1.514	1.512	1.519	1.517	1.526	1.5525
1.316	1.301	1.299	1.278	1.316	1.286	1.312	1.331	1.382	1.400	1.442	1.466	1.3714
1.521	1.504	1.480	1.450	1.454	1.442	1.456	1.444	1.437	1.434	1.428	1.417	1.4891
1.553	1.550	1.542	1.541	1.526	1.520	1.508	1.508	1.516	1.529	1.529	1.527	1.5200
—	—	—	—	—	—	—	—	—	—	—	—	—
1.453	1.456	1.451	1.449	1.434	1.438	1.441	1.443	1.442	1.474	1.470	1.493	1.4476
1.578	1.547	1.542	1.506	1.490	1.483	1.471	—	1.449	1.440	1.432	1.426	1.5177
1.086	1.057	1.053	1.085	—	1.156	1.168	1.163	1.220	1.246	1.237	1.251	1.2181
—	—	—	—	—	—	—	—	—	—	—	—	—
1.6315	1.6151	1.6017	1.5873	1.5952	1.5723	1.5706	1.5772	1.5822	1.5982	1.6133	1.6320	1.5785
—	—	—	—	—	—	—	—	—	—	—	—	—
1.356	1.359	1.368	1.381	1.384	1.381	1.395	1.416	1.437	1.486	1.514	1.564	—
1.788	1.791	1.799	1.801	1.813	1.817	1.818	1.834	1.840	1.876	1.887	1.899	1.7529
2.018	2.026	2.031	2.024	2.018	2.015	2.015	2.014	2.010	2.029	2.035	2.046	1.9770
—	—	—	—	—	—	—	—	—	—	—	—	—
1.892	1.883	1.871	1.859	1.842	1.832	1.830	1.832	1.833	1.847	1.859	1.885	1.9033
1.943	1.937	1.931	1.926	1.918	1.922	1.919	1.919	1.931	1.934	1.952	1.973	1.9218
1.969	1.965	1.962	1.958	1.957	1.941	1.941	1.937	1.949	1.967	1.983	1.989	1.9683
2.095	2.106	2.121	2.128	2.122	2.130	2.126	2.131	2.144	2.152	2.186	2.195	2.0822
2.236	2.229	2.219	2.204	2.186	2.168	2.167	2.161	2.158	2.172	2.187	2.190	2.2060
2.155	2.147	2.142	2.132	2.120	2.113	2.104	2.088	2.084	2.071	2.075	2.079	2.1361
—	—	—	—	—	—	—	—	—	—	—	—	—
1.987	1.969	1.957	1.941	1.917	1.917	1.923	1.925	1.926	1.962	1.985	2.004	1.9817
2.101	2.102	2.102	2.090	2.090	2.083	2.070	2.058	2.060	2.059	2.054	2.063	2.0617
1.891	1.850	1.804	1.771	1.725	1.687	1.644	1.634	1.597	1.014	1.605	1.580	1.8376
1.325	1.290	1.270	1.262	1.246	1.264	1.250	1.255	1.260	1.287	1.299	1.334	1.3756
1.338	1.332	1.334	1.340	1.378	1.376	1.360	1.367	1.377	1.390	1.416	1.425	1.3651
1.481	1.480	1.497	1.495	1.495	1.512	1.524	1.510	1.512	1.539	1.550	1.558	1.4820
—	—	—	—	—	—	—	—	—	—	—	—	—
1.841	1.833	1.827	1.825	1.819	1.821	1.819	1.825	1.823	1.809	1.814	1.801	1.7937
1.414	1.380	1.334	1.279	1.228	1.194	1.153	1.109	1.085	1.080	1.062	1.061	1.4107
0.858	0.873	0.911	0.939	0.955	0.976	1.002	1.013	1.051	1.139	1.179	1.205	0.9807
1.302	1.318	1.336	1.328	1.333	1.342	1.362	1.393	1.438	1.459	1.475	1.503	1.3289
1.617	1.602	1.609	1.598	1.583	1.572	1.570	1.580	1.599	1.623	1.632	1.642	1.5791
1.530	1.534	1.544	1.548	1.538	1.536	1.538	1.558	1.558	1.572	1.596	1.619	1.5782
—	—	—	—	—	—	—	—	—	—	—	—	—
1.937	1.933	1.931	1.909	1.893	1.884	1.873	1.867	1.867	1.867	1.882	1.895	1.8595
1.915	1.918	1.907	1.891	1.881	1.868	1.857	1.863	1.865	1.863	1.869	1.869	1.8891
1.739	1.714	1.684	1.658	1.636	1.599	1.593	1.583	1.568	1.564	1.575	1.591	1.7250
1.631	1.648	1.635	1.646	1.645	1.646	1.666	1.659	1.666	1.686	1.729	1.745	1.6300
1.844	1.849	1.894	1.842	1.833	1.831	1.839	1.845	1.857	1.875	1.882	1.915	1.8250
1.876	1.843	1.836	1.814	1.803	1.787	1.786	1.772	1.747	1.747	1.730	1.731	1.8440
—	—	—	—	—	—	—	—	—	—	—	—	—
1.7437	1.7374	1.7354	1.7255	1.7170	1.7116	1.7090	1.7092	1.7127	1.7285	1.7412	1.7541	1.7388

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	62.0	62.0	58.6	56.8	55.3	54.2	53.0	53.0	52.6	53.4	59.2	64.0
	2	55.4	55.7	55.7	—	—	—	—	—	—	—	—	—
	3	—	—	—	56.7	56.0	53.6	52.0	51.4	51.4	53.6	57.8	61.0
	4	61.5	61.0	60.5	59.0	58.0	58.0	58.0	57.5	57.5	59.0	62.0	69.0
	5	60.5	59.2	57.5	56.5	55.5	54.5	54.2	53.5	54.1	57.0	61.5	65.5
	6	63.8	62.2	61.5	60.1	58.5	58.5	59.0	59.0	58.8	60.8	64.3	68.0
	7	76.0	74.2	74.2	74.0	73.5	70.5	65.8	65.7	65.6	66.0	67.0	70.6
	8	59.0	59.0	59.0	59.0	59.0	58.5	58.5	58.5	58.5	60.5	63.8	67.5
	9	62.5	62.0	61.5	—	—	—	—	—	—	—	—	—
	10	—	—	—	58.3	57.0	56.0	55.4	55.3	55.2	58.5	64.6	65.0
	11	56.0	55.8	55.5	55.0	54.0	53.0	52.5	52.0	53.2	55.8	58.5	62.5
	12	59.2	58.0	57.2	56.0	54.5	53.5	52.5	52.0	51.5	55.0	59.2	63.5
	13	60.0	58.5	57.4	56.0	53.5	53.0	52.8	53.2	54.5	57.0	63.2	68.2
	14	63.2	62.5	60.7	61.5	62.0	62.0	61.5	59.5	58.5	60.5	63.2	65.0
	15	60.2	59.5	59.5	59.0	59.5	59.5	59.5	58.5	58.5	60.0	63.8	65.8
	16	64.2	62.8	62.0	—	—	—	—	—	—	—	—	—
	17	—	—	—	59.2	59.0	59.0	59.2	57.2	55.8	58.0	62.5	66.5
	18	71.5	70.0	69.0	67.5	66.0	64.5	63.0	63.2	62.8	64.5	66.4	68.5
	19	64.0	63.2	62.0	62.0	61.0	60.5	—	59.5	59.0	61.5	64.0	66.0
	20	58.7	56.0	55.0	54.0	53.8	53.0	52.0	52.5	52.0	56.0	60.0	64.0
	21	61.0	61.0	59.0	58.0	58.0	56.5	56.2	56.5	55.5	58.0	61.2	65.2
	22	57.8	57.0	57.0	56.2	55.5	54.2	53.0	52.0	52.0	53.0	55.9	57.8
	23	53.0	52.0	52.0	—	—	—	—	—	—	—	—	—
	24	—	—	—	56.8	56.8	55.5	53.5	52.8	52.4	54.5	59.0	63.5
	25	71.5	69.6	67.8	66.5	65.5	64.5	62.8	63.0	63.0	64.2	64.8	63.8
	26	53.8	52.5	53.0	52.5	52.2	51.4	50.5	50.5	50.5	51.8	56.0	59.5
	27	57.5	56.0	54.8	54.0	53.0	53.0	52.5	52.2	51.8	55.0	59.2	63.5
	28	61.3	60.2	58.4	57.0	56.2	56.0	56.5	56.6	57.0	57.2	58.4	63.5
	29	61.2	59.8	59.0	57.5	57.2	57.0	54.2	52.5	52.0	53.2	58.0	58.8
	30	55.5	55.5	55.5	—	—	—	—	—	—	—	—	—
	31	—	—	—	55.0	53.4	52.8	52.2	52.0	53.2	53.5	56.0	59.2
Hourly Means	61.17	60.20	59.36	58.62	57.84	57.03	56.01	55.75	55.65	57.60	61.13	64.44	
FEBRUARY.	1	63.0	62.0	61.0	60.0	59.0	59.0	58.0	58.0	58.5	60.0	63.0	67.5
	2	64.0	63.2	62.5	62.0	61.5	60.5	60.0	58.8	57.2	58.8	62.0	64.2
	3	57.2	57.0	57.0	56.8	56.5	56.0	55.5	55.2	57.0	57.8	60.8	62.2
	4	61.4	60.0	60.2	59.8	59.5	59.5	58.5	57.8	57.2	58.0	60.0	64.5
	5	60.0	59.5	59.0	57.5	58.5	58.0	57.0	57.0	56.8	57.5	59.0	62.5
	6	55.8	54.5	54.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	56.2	55.8	55.2	54.5	54.5	54.5	56.0	60.5	62.2
	8	63.5	63.0	62.5	61.8	61.2	61.2	60.8	60.4	60.0	61.5	65.0	69.7
	9	58.5	58.5	58.2	56.8	56.5	56.0	55.8	55.5	55.0	58.6	62.2	66.1
	10	60.2	60.0	60.5	61.0	61.5	61.4	61.2	61.2	61.2	61.5	63.8	68.0
	11	63.5	62.5	61.7	60.5	59.5	60.0	59.6	58.8	57.4	59.2	63.5	68.5
	12	61.8	61.4	61.0	61.0	60.8	60.5	60.4	60.6	59.0	60.5	62.2	66.6
	13	65.0	64.0	63.1	—	—	—	—	—	—	—	—	—
	14	—	—	—	53.0	51.5	50.5	49.8	49.2	48.8	51.0	54.0	60.0
	15	60.0	60.0	59.2	59.2	59.0	59.0	58.8	58.8	58.5	58.5	58.8	60.5
	16	61.7	60.2	58.2	58.5	55.2	54.8	54.5	53.5	52.8	53.2	57.5	62.2
	17	69.5	68.5	67.8	65.5	65.0	64.2	63.5	63.0	63.0	62.5	62.0	64.0
	18	57.5	56.0	55.2	56.0	56.0	55.0	54.4	54.0	54.2	55.0	56.0	58.5
	19	53.5	53.5	52.5	51.0	50.0	49.0	49.0	47.5	47.0	48.0	52.5	56.0
	20	58.0	57.2	57.0	—	—	—	—	—	—	—	—	—
	21	—	—	—	57.5	56.2	54.5	53.6	53.0	52.5	54.2	57.2	59.5
	22	59.6	59.4	59.0	57.2	57.2	57.8	58.0	58.0	57.8	57.5	56.2	55.5
	23	53.0	53.0	52.5	52.5	52.8	52.5	—	51.8	51.6	52.5	54.5	57.2
	24	58.3	57.6	56.5	56.2	55.4	54.0	53.0	52.0	51.5	54.2	56.0	59.6
	25	59.6	58.6	55.8	55.8	55.5	55.5	59.0	61.5	61.5	61.2	61.5	66.0
	26	56.5	55.5	54.2	52.5	50.5	49.5	49.2	49.5	49.8	49.5	49.0	49.2
	27	50.2	49.5	50.5	—	—	—	—	—	—	—	—	—
	28	—	—	—	52.2	51.8	51.0	50.5	50.0	50.0	50.0	51.0	52.8
Hourly Means	59.64	58.94	58.30	57.52	56.93	56.44	56.29	55.82	55.53	56.53	58.67	61.79	

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	
67.2	70.6	71.6	74.0	74.7	73.1	71.8	68.6	60.7	56.8	56.5	55.9	61.90
—	—	—	—	—	—	—	—	—	—	—	—	62.46
65.5	67.9	70.3	—	76.5	77.7	77.5	76.5	72.5	66.2	63.5	62.2	65.58
68.0	71.8	72.5	75.0	73.8	75.0	75.8	74.6	72.0	68.0	64.5	62.0	66.79
70.5	74.0	77.0	79.0	80.0	81.0	80.5	81.0	79.5	73.7	70.8	66.5	73.38
73.0	79.5	83.2	85.1	89.0	91.8	93.0	91.8	90.5	86.3	83.0	80.5	69.51
74.0	74.5	75.0	75.0	72.5	71.8	68.2	65.2	64.5	63.4	61.3	59.8	66.69
71.0	72.0	75.0	75.3	77.5	78.0	78.0	76.0	74.4	70.2	67.5	64.8	65.73
—	—	—	—	—	—	—	—	—	—	—	—	63.57
66.5	71.5	72.2	75.8	76.4	78.5	79.5	77.4	76.0	70.0	63.5	59.0	64.04
67.2	69.8	73.5	75.0	78.6	77.5	81.5	75.8	69.4	67.0	64.5	62.0	65.82
67.0	71.0	74.8	75.8	77.0	76.0	77.5	76.5	74.2	69.5	64.0	61.5	65.52
73.2	80.5	85.0	84.2	74.5	74.5	75.0	75.0	71.5	68.2	66.6	64.2	67.77
66.2	72.0	75.0	75.5	71.5	72.5	72.5	70.2	70.0	65.0	61.5	60.4	70.19
70.5	72.2	76.8	78.0	80.3	81.8	82.0	81.5	72.5	69.5	71.0	67.2	70.69
—	—	—	—	—	—	—	—	—	—	—	—	66.09
72.0	75.2	79.0	81.8	84.6	87.2	88.4	85.4	81.8	79.0	74.5	—	62.68
71.0	77.8	85.1	92.0	83.8	78.2	74.5	70.0	69.2	68.0	65.6	64.5	66.81
65.8	68.5	73.0	72.5	72.0	75.5	75.5	74.4	73.0	67.0	61.2	59.0	60.00
68.0	69.5	72.7	75.5	79.0	78.0	72.8	68.5	66.8	64.1	61.5	61.0	66.99
70.0	76.0	79.0	82.2	81.8	81.4	79.8	76.2	72.5	68.5	65.8	64.2	64.53
60.4	61.8	65.5	65.2	65.0	68.5	65.6	66.2	62.4	59.5	56.0	53.5	60.73
—	—	—	—	—	—	—	—	—	—	—	—	64.05
68.0	72.2	78.2	81.2	81.8	84.0	85.5	84.5	82.5	79.0	75.8	73.2	66.27
61.0	63.2	65.2	64.0	65.5	69.0	66.5	63.5	65.2	62.3	59.8	56.5	60.29
65.0	68.5	72.2	74.2	75.8	76.0	70.8	68.5	68.0	64.4	61.0	59.0	63.88
70.0	73.0	80.4	81.6	80.2	77.8	76.5	74.8	71.0	65.5	62.5	61.5	—
67.8	73.0	76.8	79.5	81.0	81.2	80.0	79.2	76.0	70.6	65.0	62.0	—
63.8	65.2	67.2	67.0	68.8	67.6	68.0	64.8	62.5	59.0	56.8	55.8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
63.5	71.0	74.5	76.6	78.5	78.5	77.0	79.0	76.8	72.2	67.6	64.2	65.41
67.93	71.62	75.03	76.84	76.93	77.39	76.68	74.81	72.13	68.19	65.05	62.42	65.41
69.5	68.5	74.2	77.5	74.5	71.0	72.8	71.6	70.4	69.5	67.5	66.0	65.92
67.0	68.2	71.8	71.8	68.2	63.4	62.5	61.0	60.0	59.5	58.8	58.0	62.70
64.0	66.0	68.0	69.2	65.2	69.2	63.5	65.2	66.8	65.0	62.8	61.5	61.47
68.2	72.8	74.5	71.2	72.2	68.2	68.2	66.0	66.8	65.0	61.6	60.0	63.80
65.5	68.0	70.5	70.2	67.5	69.5	66.0	66.5	64.5	63.0	60.5	58.0	62.17
—	—	—	—	—	—	—	—	—	—	—	—	66.05
66.0	69.8	72.5	79.0	81.5	82.8	84.4	83.8	80.6	74.0	69.0	68.0	65.92
70.5	74.5	78.6	76.4	70.4	71.2	70.5	69.5	67.2	63.2	60.5	59.0	65.40
70.2	74.5	79.0	84.5	80.5	73.5	72.5	73.0	71.6	67.0	63.5	62.0	68.02
72.6	73.2	74.0	77.2	79.2	79.2	80.0	77.8	74.5	70.0	67.5	65.8	63.34
70.5	72.0	—	74.8	75.0	75.4	76.8	75.8	71.5	67.5	64.0	62.2	67.29
70.4	71.5	73.2	75.5	76.8	77.8	78.5	76.5	73.5	70.5	68.5	66.4	61.46
—	—	—	—	—	—	—	—	—	—	—	—	64.85
62.6	67.5	72.0	71.8	75.2	74.8	70.5	68.0	67.0	63.5	61.8	60.5	65.37
65.2	70.0	71.0	73.5	76.0	75.7	74.5	73.4	71.0	68.2	64.2	63.5	66.45
67.2	72.0	73.5	79.0	80.0	76.2	77.0	75.2	73.5	71.5	71.0	70.5	59.67
66.0	68.5	70.2	70.0	71.0	70.4	72.5	71.8	70.5	64.5	61.5	59.5	58.42
60.4	63.0	62.5	63.5	65.0	68.0	71.5	70.0	65.0	61.5	57.8	56.0	62.37
58.5	60.3	65.6	68.0	72.0	73.5	71.5	68.5	67.8	65.8	61.8	59.4	58.26
—	—	—	—	—	—	—	—	—	—	—	—	61.15
66.5	69.5	71.5	72.5	74.0	74.5	72.0	70.7	69.2	64.5	61.6	60.0	62.87
53.8	54.5	59.5	62.0	64.0	62.5	64.5	61.2	59.0	56.0	54.5	53.6	64.42
59.8	62.7	68.0	71.2	74.2	78.2	74.5	73.5	71.5	66.8	62.2	60.0	51.88
64.0	67.5	73.5	75.5	75.5	77.5	77.6	74.0	70.6	65.5	62.5	61.0	53.40
73.0	76.6	80.8	83.5	74.2	72.2	67.0	64.0	62.0	61.8	60.5	59.0	—
49.5	51.2	53.8	54.5	55.0	54.5	53.5	52.5	53.0	52.0	50.8	50.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	57.2	58.4	59.0	57.8	56.5	57.2	56.8	56.6	53.0	52.0	51.0	—
64.89	67.48	67.36	72.14	71.87	71.49	70.81	69.43	67.67	64.53	61.93	60.45	62.61

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time. } Hours of Mean Van Diemen Island Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	50.5	51.0	51.0	50.5	51.2	51.8	52.0	51.5	51.5	51.2	52.0	54.0
	2	54.8	54.5	54.5	54.2	54.0	53.2	52.8	52.2	52.0	51.0	51.0	54.0
	3	57.0	54.5	52.6	51.8	51.8	51.7	52.8	53.2	52.5	52.5	54.8	57.5
	4	58.0	56.2	55.0	54.2	53.0	51.8	51.8	53.0	53.0	53.0	55.5	59.0
	5	64.0	64.0	65.0	66.0	65.5	65.2	64.0	64.0	64.2	65.0	65.2	68.5
	6	61.8	61.6	61.2	—	—	—	—	—	—	—	—	—
	7	—	—	—	61.0	60.0	58.5	58.2	58.5	58.0	58.5	60.0	63.8
	8	60.0	60.0	60.0	59.5	57.2	55.5	54.5	53.5	52.4	53.2	54.0	58.8
	9	53.0	52.7	52.4	52.0	52.0	52.0	51.5	51.5	51.5	51.4	53.5	54.5
	10	53.5	52.0	51.2	49.5	48.5	48.5	48.5	48.2	47.5	46.8	48.5	52.5
	11	54.2	53.0	51.5	50.5	49.8	49.0	49.0	48.0	47.5	48.5	50.0	54.7
	12	58.4	57.8	57.2	57.2	57.0	57.0	56.5	56.8	56.2	56.8	57.5	59.5
	13	55.8	55.0	54.5	—	—	—	—	—	—	—	—	—
	14	—	—	—	58.0	56.8	54.8	54.0	54.0	53.0	53.0	53.0	57.8
	15	59.8	58.5	57.5	55.4	55.0	54.0	53.5	53.5	54.0	53.5	55.0	58.0
	16	60.0	57.5	56.5	55.5	54.8	53.5	54.0	53.8	53.4	53.0	55.0	59.4
	17	61.5	59.8	59.0	58.0	57.0	56.2	56.2	56.0	56.0	56.0	58.8	62.4
	18	64.0	62.5	63.7	63.8	64.4	64.9	65.0	66.0	65.5	64.5	64.5	68.0
	19	59.5	59.8	59.8	59.8	59.5	—	57.0	56.4	55.0	54.5	57.5	61.0
	20	60.4	61.0	60.4	—	—	—	—	—	—	—	—	—
	21	—	—	—	55.8	56.0	56.0	56.0	56.2	56.5	57.0	58.0	60.0
	22	63.0	62.5	63.0	63.5	63.5	63.2	63.0	63.0	62.5	61.5	62.5	63.2
	23	68.2	66.8	65.0	64.0	63.0	62.2	61.0	59.5	58.8	58.8	59.4	62.2
	24	59.0	58.8	58.2	57.8	57.2	56.5	54.8	54.0	52.5	51.5	52.0	56.6
	25	60.5	61.0	62.0	61.7	59.5	58.2	57.0	56.0	54.8	53.0	52.8	54.5
	26	46.4	45.8	45.2	44.6	44.5	44.4	45.2	45.4	45.2	46.0	49.0	51.6
	27	55.5	55.0	55.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	51.5	51.0	50.0	49.2	48.0	47.5	48.0	50.2
	29	55.8	55.0	54.8	54.2	54.8	55.5	56.0	55.0	54.8	54.5	54.4	55.7
	30	58.0	57.0	56.4	55.4	55.0	55.0	54.5	54.0	54.2	54.5	55.0	57.5
	31	60.0	59.0	59.0	57.5	58.0	58.0	56.5	56.8	57.5	57.0	57.0	60.8
Hourly Means	58.24	57.49	57.10	56.59	55.94	55.29	55.01	54.79	54.37	54.21	55.33	58.36	
APRIL.	1	63.0	62.0	59.0	57.5	56.2	55.8	55.2	54.8	53.6	53.0	51.2	54.4
	2	52.0	50.6	49.5	48.8	48.4	48.0	47.5	47.2	46.8	45.5	46.0	51.2
	3	52.8	51.8	50.5	—	—	—	—	—	—	—	—	—
	4	—	—	—	43.5	42.4	41.0	40.2	40.0	39.5	40.0	42.2	43.7
	5	48.2	47.2	46.2	45.0	44.5	44.0	45.0	46.5	47.0	47.2	47.5	49.5
	6	54.4	54.0	53.2	52.0	50.5	49.5	48.5	48.0	47.5	47.0	48.0	50.8
	7	42.8	42.8	42.5	41.5	41.2	40.5	40.2	40.0	39.8	40.2	41.2	42.8
	8	52.8	54.0	55.2	56.0	56.0	56.0	56.2	56.0	55.2	55.2	55.0	56.2
	9	56.5	56.2	56.0	55.0	55.0	54.0	54.5	54.4	53.8	54.0	55.0	58.0
	10	63.0	62.2	61.0	—	—	—	—	—	—	—	—	—
	11	—	—	—	44.5	44.5	44.5	44.0	—	42.5	42.0	42.5	44.5
	12	43.8	43.5	43.0	41.2	39.0	38.0	38.5	38.0	38.0	38.2	42.0	43.0
	13	45.2	44.8	44.0	43.0	42.6	41.0	40.2	40.0	39.2	38.8	39.8	41.8
	14	49.2	48.8	48.8	48.8	48.8	49.0	48.0	47.5	47.0	47.0	47.8	47.5
	15	48.5	48.5	47.5	47.0	45.8	46.0	45.5	45.2	45.5	45.0	44.5	45.4
	16	49.0	49.2	49.5	50.0	50.5	50.4	49.0	49.2	49.8	50.6	51.8	54.8
	17	53.8	53.2	52.8	—	—	—	—	—	—	—	—	—
	18	—	—	—	48.2	48.2	48.5	48.0	47.8	48.0	48.0	48.2	50.0
	19	52.5	52.5	52.0	52.0	51.6	51.4	51.0	51.5	51.5	51.5	51.2	51.5
	20	60.4	59.8	59.0	59.2	52.2	51.3	51.0	51.0	49.8	49.5	49.0	51.5
	21	46.9	45.0	43.2	41.5	41.0	40.0	40.0	39.8	39.0	38.5	39.2	41.5
	22	48.0	48.0	49.5	49.5	49.5	50.5	50.6	50.0	49.8	50.5	50.0	50.0
	23	52.7	52.8	53.0	52.6	52.7	53.0	54.2	51.2	50.8	49.5	48.5	50.5
	24	54.5	54.0	53.8	—	—	—	—	—	—	—	—	—
	25	—	—	—	52.0	52.2	52.2	52.0	51.0	49.0	47.1	48.0	50.5
	26	56.5	55.0	54.5	54.0	53.0	52.0	52.5	53.2	52.8	52.0	51.5	51.8
	27	51.0	51.0	50.5	50.5	50.0	49.5	48.2	48.0	48.5	47.0	45.0	46.8
	28	49.5	49.4	48.0	45.8	44.4	43.0	42.8	41.6	40.8	40.8	40.6	41.2
	29	48.5	49.8	48.5	48.0	47.5	48.0	48.0	48.5	48.5	49.0	50.0	52.5
	30	60.5	59.5	58.5	58.5	58.5	57.0	56.4	56.0	55.5	55.2	54.6	56.0
Hourly Means	52.15	51.75	51.12	49.45	48.70	48.24	47.97	47.86	47.28	47.01	47.32	49.13	

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	
55.2	57.6	60.4	61.6	64.8	63.0	60.0	63.0	60.0	56.8	55.5	55.0	55.46
56.8	60.0	65.0	67.0	69.8	72.0	71.5	71.2	—	68.8	60.8	58.8	59.13
62.5	64.5	67.5	69.0	70.8	72.0	73.2	72.8	70.2	65.8	62.8	61.0	60.62
63.8	67.8	72.0	77.2	79.0	80.0	81.8	78.2	75.0	71.5	68.5	65.5	63.91
70.0	72.5	76.5	74.5	73.2	69.2	70.2	70.0	69.0	65.7	64.0	61.6	67.38
—	—	—	—	—	—	—	—	—	—	—	—	—
66.5	67.5	69.7	71.0	74.0	76.6	71.5	67.5	64.5	63.2	61.0	60.0	63.92
60.0	59.0	59.0	60.0	60.0	58.8	57.0	57.0	56.2	55.0	54.0	54.0	57.03
56.5	61.0	63.5	65.5	66.2	67.0	66.0	65.2	62.6	59.6	56.4	55.2	57.20
56.2	59.2	63.5	66.5	68.2	69.2	69.3	66.0	63.5	60.5	58.5	56.8	56.36
57.2	61.5	64.5	66.8	70.0	70.5	68.0	65.0	62.4	60.5	59.2	59.0	57.10
60.8	62.0	65.0	67.5	70.2	70.6	67.4	62.2	60.8	59.2	58.0	56.8	60.35
—	—	—	—	—	—	—	—	—	—	—	—	—
60.5	64.0	68.5	71.5	73.2	74.0	75.0	73.5	74.5	65.5	62.5	61.5	61.83
61.8	66.0	70.5	73.0	75.0	75.6	75.2	72.8	69.0	65.8	62.9	61.0	62.35
64.4	68.6	72.8	75.8	77.2	77.4	74.0	71.0	68.0	65.5	63.0	62.5	62.78
66.5	68.5	75.0	76.2	80.0	80.0	78.5	77.2	75.2	71.0	68.0	67.0	65.83
72.5	74.2	73.0	73.5	73.5	70.5	69.8	67.0	63.6	61.2	60.2	60.0	66.49
66.0	71.0	71.8	74.2	75.8	72.9	71.5	72.2	66.5	65.0	62.8	61.5	63.96
—	—	—	—	—	—	—	—	—	—	—	—	—
62.5	63.5	68.4	70.2	70.2	70.0	69.8	69.6	69.5	68.2	65.8	64.0	62.71
67.2	71.4	76.2	80.4	86.7	87.5	88.0	83.8	81.5	77.0	74.0	71.0	70.80
63.5	66.5	68.5	71.0	72.5	75.2	76.5	73.0	77.0	63.5	61.5	60.0	65.73
61.0	65.0	68.0	72.5	75.2	79.0	79.0	77.5	75.5	69.5	64.8	62.5	63.27
57.5	53.6	56.0	57.5	55.8	58.4	57.5	58.0	54.5	50.5	49.0	48.0	56.14
55.5	58.2	62.5	65.0	65.0	68.5	62.5	63.5	62.2	59.5	57.8	56.2	53.74
—	—	—	—	—	—	—	—	—	—	—	—	—
55.5	60.0	63.2	66.3	67.5	69.4	69.5	66.5	62.0	59.5	57.5	57.0	57.17
57.2	59.0	65.0	68.5	70.0	72.0	72.2	69.0	66.0	64.2	62.2	60.5	60.26
61.5	67.5	70.0	75.0	76.2	76.5	75.2	74.0	71.8	68.0	63.4	60.6	62.76
66.8	—	70.6	76.6	78.0	76.2	77.0	74.0	72.2	69.5	66.5	64.5	64.74
61.68	64.22	67.65	70.14	71.78	72.30	71.37	69.66	67.43	64.07	61.50	60.06	61.44
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	58.5	61.0	66.3	65.5	65.0	61.0	61.0	57.5	55.5	54.8	52.5	57.95
55.5	57.4	62.4	66.2	66.8	62.0	59.0	58.0	56.5	55.0	53.5	53.2	53.63
—	—	—	—	—	—	—	—	—	—	—	—	—
48.8	51.7	54.8	54.5	55.5	55.5	56.4	56.0	52.0	50.4	49.0	48.2	48.35
52.2	54.0	56.8	62.2	64.4	63.5	64.4	63.4	60.8	57.8	55.0	54.3	52.78
54.5	59.0	63.5	66.5	61.8	58.5	57.5	53.5	49.5	46.0	44.2	44.0	52.58
45.0	48.5	51.0	53.8	55.0	56.2	56.2	54.2	52.0	51.0	51.2	52.2	46.74
59.0	61.5	64.2	66.0	67.5	67.5	67.0	66.2	63.4	59.2	57.8	57.0	59.17
61.0	63.4	66.5	68.0	69.8	70.8	70.8	68.2	65.8	63.5	62.5	63.2	60.66
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	51.0	52.2	55.2	55.6	56.5	54.0	52.5	49.8	47.0	45.6	44.5	49.85
44.0	46.5	44.5	44.8	49.0	49.8	50.5	51.5	49.0	47.8	46.2	45.8	43.98
43.5	47.5	49.8	51.8	55.0	56.0	54.4	53.6	51.2	49.5	49.0	49.2	46.29
51.4	53.4	55.5	58.2	58.0	60.5	60.5	56.7	53.8	52.5	50.6	49.8	51.63
48.2	50.8	54.4	57.2	58.4	59.8	58.8	56.8	55.0	52.5	51.0	50.5	50.33
57.0	57.8	58.5	63.0	63.5	65.0	66.5	64.5	60.5	57.5	56.5	55.2	55.39
—	—	—	—	—	—	—	—	—	—	—	—	—
52.2	55.2	58.8	60.0	59.5	59.5	57.8	56.0	55.0	54.0	53.2	52.5	52.85
53.5	57.2	61.0	62.5	65.2	66.2	67.0	65.2	63.0	62.0	62.0	61.6	56.94
52.5	54.5	56.8	57.0	57.5	57.0	56.8	54.5	51.2	48.0	46.8	46.7	53.46
44.5	49.5	54.0	56.2	58.0	59.0	59.0	58.0	55.5	52.0	50.5	49.0	47.53
50.8	53.0	55.0	56.5	57.8	58.5	59.8	58.5	56.8	55.0	54.0	53.2	52.70
51.8	55.0	60.2	61.8	62.2	64.0	64.2	62.4	58.8	57.8	56.2	55.5	55.48
—	—	—	—	—	—	—	—	—	—	—	—	—
52.5	55.2	58.5	60.2	63.0	63.0	61.4	61.0	59.0	57.8	57.4	57.0	55.10
52.5	56.0	56.8	56.6	55.8	55.4	54.5	53.5	52.8	52.0	51.2	51.0	53.62
49.2	53.0	56.8	57.8	57.1	57.8	58.0	55.3	54.2	52.7	50.5	49.5	51.58
42.5	46.2	51.0	54.5	56.8	58.8	59.5	58.2	54.8	—	50.6	49.5	48.27
55.0	57.4	61.2	62.4	66.0	66.5	65.0	62.4	60.8	60.2	60.2	60.2	55.17
59.2	62.0	65.0	67.4	71.0	71.8	70.5	68.8	66.5	63.8	63.2	63.0	61.60
51.55	54.43	57.32	59.49	60.60	60.93	60.40	58.84	56.35	54.42	53.18	52.63	52.84

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	61.5	61.5	59.8	—	—	—	—	—	—	—	—	
	2	—	—	—	51.5	51.2	51.0	50.5	50.0	49.0	49.0	48.5	49.5
	3	61.0	59.5	58.5	57.8	56.8	56.5	57.6	57.5	57.5	58.0	57.4	58.0
	4	48.8	48.4	48.0	47.0	45.8	45.0	44.0	44.0	44.0	43.7	43.5	45.0
	5	50.0	49.6	48.4	48.0	48.0	47.0	46.5	46.2	46.2	48.0	48.0	48.0
	6	49.8	51.0	50.5	50.0	50.0	49.8	50.0	50.0	50.0	50.0	48.8	49.0
	7	47.8	46.2	46.2	45.4	—	43.2	43.0	43.0	42.4	41.4	41.0	42.8
	8	47.6	47.2	47.2	—	—	—	—	—	—	—	—	—
	9	—	—	—	52.2	51.8	50.5	49.5	49.2	47.5	46.0	44.5	45.2
	10	45.4	45.0	44.6	44.8	44.5	44.5	44.5	44.8	45.0	44.2	46.8	48.0
	11	52.4	51.8	51.4	51.0	51.2	51.5	50.0	49.5	49.5	50.0	50.5	50.8
	12	49.0	49.8	49.5	48.5	47.5	47.8	48.0	47.6	47.4	47.0	46.5	48.5
	13	51.0	51.0	51.2	51.0	50.8	49.8	48.5	48.2	47.4	46.4	44.8	47.0
	14	45.2	45.0	44.4	45.0	44.8	44.8	44.0	43.5	43.8	43.5	42.8	44.2
	15	47.2	47.0	47.2	—	—	—	—	—	—	—	—	—
	16	—	—	—	47.8	47.0	46.2	46.5	47.0	48.0	48.0	48.2	48.6
	17	44.6	43.8	44.4	44.4	44.8	45.0	45.2	45.2	45.2	45.0	44.8	45.0
	18	51.4	50.8	50.5	50.5	50.0	50.0	50.0	49.8	49.6	50.0	50.2	50.8
	19	45.0	45.0	45.0	44.6	44.0	43.5	43.2	43.0	41.0	39.8	39.8	40.5
	20	38.0	37.6	37.2	38.0	38.2	38.2	38.2	38.2	37.5	36.5	37.0	39.0
	21	40.2	39.5	39.2	38.5	38.2	37.8	37.4	37.0	36.4	36.2	36.0	36.5
	22	41.0	40.8	41.5	—	—	—	—	—	—	—	—	—
	23	—	—	—	47.0	47.0	46.8	46.5	46.5	46.5	46.0	46.0	46.5
	24	48.8	48.8	48.5	48.2	47.5	46.0	46.2	46.0	47.0	47.0	47.0	47.5
	25	48.5	48.4	48.2	48.2	48.2	48.2	48.2	48.2	47.8	47.8	47.6	48.0
	26	50.5	50.5	50.5	50.0	49.5	49.2	48.8	48.7	48.5	46.5	44.0	44.5
	27	46.8	45.2	44.5	44.5	45.0	44.5	44.0	43.0	43.0	43.0	42.0	43.5
	28	47.8	46.4	45.6	45.2	45.0	44.8	45.5	45.0	43.5	43.0	42.5	43.0
	29	41.2	40.8	39.6	—	—	—	—	—	—	—	—	—
	30	—	—	—	40.5	40.5	39.8	40.0	39.6	39.2	39.2	40.0	41.8
	31	49.0	48.5	48.2	48.0	48.2	48.2	47.6	47.6	47.5	47.2	47.6	48.4
Hourly Means	48.06	47.66	47.30	47.22	47.02	46.52	46.29	46.09	45.79	45.48	45.22	46.14	
JUNE.	1	51.2	50.5	50.0	50.0	49.4	49.2	48.5	48.5	48.4	48.2	48.0	48.5
	2	45.5	43.2	43.8	42.0	41.2	40.5	39.5	38.8	38.5	38.0	37.0	38.2
	3	44.5	44.2	44.4	43.2	43.0	42.4	42.2	42.0	42.0	41.0	41.0	40.2
	4	46.0	46.5	47.0	46.0	45.6	44.5	43.5	43.0	43.0	43.0	42.5	42.5
	5	46.5	46.0	46.0	—	—	—	—	—	—	—	—	—
	6	—	—	—	47.5	47.5	47.5	47.5	47.0	45.6	44.5	43.0	43.0
	7	44.5	44.0	43.8	43.4	43.4	43.0	42.5	42.5	42.5	42.5	42.2	44.0
	8	48.2	48.5	48.5	48.0	48.0	47.5	46.5	46.0	43.2	43.0	42.0	42.6
	9	38.2	43.6	42.4	42.5	43.6	44.4	44.0	41.0	38.2	36.2	37.0	37.5
	10	36.5	35.0	35.0	35.0	35.0	35.2	35.0	34.6	35.0	36.5	37.2	38.5
	11	44.5	44.5	43.8	42.5	41.8	41.8	41.8	41.6	41.4	40.5	41.6	43.2
	12	46.8	44.0	43.4	—	—	—	—	—	—	—	—	—
	13	—	—	—	46.0	45.5	44.8	44.5	44.5	44.5	44.0	43.0	42.8
	14	46.5	46.0	46.0	45.5	45.5	45.5	44.2	44.0	43.5	43.5	43.2	43.1
	15	52.0	51.0	51.0	50.0	49.5	49.0	47.0	45.8	45.0	44.0	44.0	45.0
	16	44.0	44.0	44.2	44.0	45.0	46.0	46.0	46.0	48.0	51.5	51.0	51.5
	17	47.8	48.5	48.0	47.5	47.2	47.0	46.5	46.0	45.6	45.6	45.0	45.0
	18	43.0	42.0	41.0	40.0	39.5	39.4	39.0	39.0	38.6	38.4	39.0	40.0
	19	50.0	50.6	50.0	—	—	—	—	—	—	—	—	—
	20	—	—	—	53.5	53.8	52.5	51.8	52.0	51.2	51.0	51.0	51.0
	21	46.9	46.4	45.8	46.0	46.5	47.0	47.5	47.0	46.0	45.0	44.8	45.0
	22	45.9	45.2	44.0	43.0	42.0	41.5	41.0	40.5	40.9	41.5	43.0	44.8
	23	41.0	42.0	42.5	42.2	42.5	42.5	41.6	41.4	41.4	41.4	41.6	41.8
	24	44.2	42.5	40.8	40.0	39.5	38.5	38.0	38.5	38.5	39.0	38.8	39.2
	25	48.0	48.2	46.0	45.8	46.0	46.3	47.0	47.0	47.0	46.0	46.0	46.0
	26	54.5	54.0	53.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	46.5	45.0	43.5	43.5	44.0	45.2	46.0	45.8	46.2
	28	42.0	41.2	39.5	39.5	39.5	39.5	39.8	38.2	36.5	36.5	35.8	36.6
	29	41.5	41.2	41.0	40.2	39.5	40.2	40.2	39.5	37.8	39.0	39.0	41.3
	30	43.8	43.0	43.0	40.6	40.0	38.8	37.0	36.0	35.2	34.5	34.4	35.0
Hourly Means	45.52	45.22	44.77	44.25	44.04	43.77	43.29	42.86	42.41	42.32	42.19	42.79	

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	
53.5	57.4	61.5	69.0	70.0	69.5	68.7	67.5	66.0	64.8	62.6	62.5	58.58
60.2	61.6	62.6	62.5	62.5	60.9	61.8	59.5	53.0	53.2	51.6	52.0	58.23
48.2	51.0	53.5	56.8	58.0	59.5	59.0	57.4	55.2	54.0	52.5	55.2	50.31
50.6	52.0	54.5	57.6	59.0	54.0	54.0	53.5	52.0	49.8	50.1	51.3	50.51
51.0	53.4	56.2	57.0	57.8	58.0	58.0	57.2	55.0	52.5	50.0	47.8	52.20
45.5	48.5	50.5	53.0	56.2	56.4	56.2	54.6	52.5	51.0	50.0	48.8	48.07
46.0	49.7	50.5	50.4	49.2	50.2	50.0	48.5	47.2	46.5	45.5	45.5	48.23
49.5	49.5	51.6	51.5	53.5	55.2	56.0	56.5	54.5	54.0	53.2	51.5	49.11
51.6	54.0	56.5	58.5	60.0	61.5	61.4	57.8	55.5	51.2	49.5	49.0	53.17
50.4	53.0	56.0	58.8	59.0	57.2	55.8	53.8	52.0	51.2	50.8	51.0	51.09
50.5	54.8	56.8	58.0	58.5	59.0	57.4	54.0	52.0	49.0	46.5	45.0	51.19
45.6	48.5	50.6	52.5	54.0	54.4	53.5	52.2	50.2	49.5	49.0	48.0	47.46
49.0	50.8	53.8	55.8	57.8	58.5	58.0	56.5	52.4	49.4	47.2	45.5	50.14
48.8	51.6	57.0	60.5	60.0	61.0	59.4	57.2	55.0	53.4	52.0	52.8	50.25
52.8	53.8	51.0	50.4	49.7	48.2	47.5	46.5	45.5	45.0	44.8	44.8	49.32
42.0	43.2	46.8	49.5	50.5	50.8	50.0	48.2	43.0	41.6	38.8	38.8	44.07
41.4	43.5	46.5	49.0	51.5	51.6	52.8	50.0	46.6	43.5	42.8	41.0	42.24
40.2	41.8	44.4	46.6	48.4	48.5	48.2	47.0	45.0	43.0	40.8	40.8	41.15
48.5	49.8	52.2	54.6	54.2	54.2	54.2	53.6	52.2	52.0	50.8	49.5	48.66
49.4	50.7	53.8	56.0	56.5	57.0	56.5	54.0	52.5	52.0	51.5	49.8	50.34
49.0	51.0	52.8	54.8	55.5	55.8	55.0	52.6	52.0	51.2	50.4	50.4	50.33
47.8	50.6	53.6	56.0	57.8	57.4	56.7	54.4	52.2	50.5	48.8	49.2	50.68
46.0	49.4	50.2	52.6	55.8	55.6	55.8	54.5	52.0	50.0	49.5	48.5	47.87
44.8	47.5	49.0	50.0	51.0	50.0	47.4	43.8	42.2	42.0	41.6	41.5	45.34
43.0	45.0	48.8	50.0	51.0	53.8	53.2	52.5	51.0	50.5	49.5	48.5	44.96
49.5	51.8	53.0	55.0	58.0	58.5	58.5	57.0	54.0	52.0	51.4	50.2	51.04
48.26	50.54	52.84	54.86	55.98	56.03	55.58	53.86	51.57	50.11	48.89	48.42	49.41
50.6	53.6	53.6	60.6	60.6	60.6	61.5	57.8	53.0	50.5	48.2	46.0	51.96
41.0	44.8	46.6	50.0	53.0	54.5	54.2	51.8	48.5	46.2	45.5	45.0	44.47
43.2	43.5	46.2	49.2	48.8	48.5	47.5	46.6	46.5	46.0	46.0	46.2	44.51
45.6	48.0	52.0	56.6	58.5	58.0	59.0	57.0	54.2	51.4	51.0	48.0	48.85
44.2	45.8	49.5	52.5	52.5	53.2	51.4	49.0	46.0	44.6	44.6	44.8	47.07
48.0	49.0	49.8	54.0	55.0	56.4	54.5	52.2	50.0	48.8	48.8	48.7	47.23
44.2	45.6	47.8	48.5	50.5	49.5	49.2	47.0	44.5	44.0	43.0	40.5	46.10
40.0	40.4	46.2	46.5	47.4	47.4	47.0	45.0	42.0	39.0	38.0	37.8	41.89
41.0	44.0	45.7	48.5	51.0	52.5	52.0	49.8	47.0	44.0	42.2	43.5	41.24
45.0	48.0	51.2	53.5	55.0	56.0	55.5	54.0	52.0	50.5	50.0	48.5	47.01
45.0	48.2	48.0	49.0	53.2	53.8	53.4	52.8	50.4	49.0	48.0	47.5	47.17
45.0	48.5	52.5	57.0	58.0	58.5	57.2	56.0	53.8	52.8	53.2	52.5	49.23
46.7	48.2	49.5	49.5	50.5	51.8	52.0	50.6	48.0	45.4	44.0	43.0	48.02
52.5	53.0	52.5	52.2	51.5	51.0	50.5	49.2	48.5	48.0	48.0	47.8	48.58
46.2	45.4	46.0	47.0	47.2	47.0	46.4	46.5	45.5	44.5	44.5	44.2	46.25
42.5	44.8	48.5	50.5	53.5	55.0	53.5	52.8	51.6	51.0	51.2	50.2	45.17
52.0	52.4	51.4	50.8	51.8	52.5	50.0	47.5	45.8	45.2	46.0	46.8	50.44
46.5	48.5	49.0	49.2	49.5	49.0	48.0	47.4	46.2	45.4	44.8	44.5	46.75
45.8	47.8	49.0	50.2	50.8	51.5	51.2	49.0	46.6	44.4	44.0	41.4	45.21
43.5	45.2	47.5	49.0	49.6	50.8	50.4	48.5	46.8	46.5	46.0	45.5	44.63
42.0	44.8	47.2	49.0	51.0	52.5	53.8	51.9	50.6	49.0	49.3	47.9	44.44
47.0	49.2	52.4	54.0	56.5	57.5	57.3	56.2	55.2	55.4	55.0	54.5	50.40
51.1	52.2	56.0	58.8	57.2	56.8	55.0	51.5	47.4	45.0	44.0	42.6	49.38
36.6	38.5	41.0	45.4	46.6	47.1	47.1	45.3	44.1	43.8	43.2	42.5	41.08
42.4	46.8	45.0	46.6	47.0	47.0	48.5	47.5	46.0	45.0	44.8	44.5	42.98
39.7	40.4	44.0	46.8	48.8	48.8	48.4	46.5	43.0	42.2	40.4	39.6	41.25
44.90	46.79	48.77	50.96	52.12	52.59	52.10	50.36	48.20	46.83	46.30	45.54	46.20

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	40.5	39.0	38.5	37.0	36.5	36.5	36.5	36.5	36.5	36.5	36.0	36.5
	2	38.5	37.0	38.0	39.5	39.5	40.2	40.2	40.6	41.0	41.2	40.6	40.6
	3	46.4	46.4	45.6	—	—	—	—	—	—	—	—	—
	4	—	—	—	39.0	38.6	38.0	37.2	37.0	36.5	36.0	36.2	36.5
	5	37.0	36.8	36.2	35.5	35.0	34.5	33.5	33.2	33.2	33.2	33.5	34.2
	6	35.6	35.0	34.0	34.0	33.5	33.6	33.5	33.0	32.8	33.0	33.5	34.2
	7	40.0	38.8	37.8	38.2	38.8	38.8	39.2	39.5	39.8	39.8	40.0	39.8
	8	40.5	39.2	39.0	39.5	40.0	40.2	40.2	40.2	40.0	40.0	39.2	39.8
	9	42.5	41.5	42.0	40.0	40.2	40.4	40.8	40.2	39.8	39.2	40.2	41.4
	10	48.0	47.8	47.5	—	—	—	—	—	—	—	—	—
	11	—	—	—	48.2	46.2	44.8	43.0	42.0	41.0	40.0	39.5	39.0
	12	45.8	45.2	44.5	43.2	43.2	43.0	43.0	41.6	41.2	39.4	39.8	40.0
	13	41.2	40.2	39.8	39.5	40.0	40.0	40.5	41.8	42.2	41.2	40.5	40.2
	14	48.5	49.0	48.0	48.2	46.2	45.2	45.2	45.5	45.0	44.8	44.0	43.8
	15	41.0	40.0	39.2	38.5	38.2	38.5	37.0	37.0	38.0	39.2	40.5	41.2
	16	46.2	46.0	45.5	45.0	45.0	45.2	44.5	44.5	44.0	43.5	43.5	44.0
	17	46.5	45.5	44.8	—	—	—	—	—	—	—	—	—
	18	—	—	—	44.0	43.0	41.5	40.6	40.2	39.2	38.0	38.2	38.4
	19	40.6	40.4	42.0	41.5	41.2	41.0	40.0	39.5	40.0	40.2	40.5	41.8
	20	38.0	37.2	36.8	35.6	35.0	34.5	35.2	34.5	34.0	34.2	33.5	34.5
	21	40.5	40.0	39.8	39.0	38.2	38.2	38.0	37.5	36.2	37.0	37.2	37.8
	22	42.2	42.2	41.8	41.4	40.6	40.2	38.8	38.2	37.5	37.0	36.5	36.4
	23	38.4	38.2	37.5	37.0	36.5	36.5	36.4	36.5	37.0	36.5	36.5	38.0
	24	49.5	49.0	49.0	—	—	—	—	—	—	—	—	—
	25	—	—	—	38.5	37.2	37.0	37.5	38.0	38.0	37.0	37.6	38.0
	26	40.6	40.0	41.0	40.8	40.6	40.0	38.4	37.2	36.8	36.5	36.5	36.6
	27	36.4	36.0	35.4	35.0	34.4	34.2	33.4	32.8	32.5	32.0	31.2	31.8
	28	39.0	39.2	39.2	39.2	38.5	38.8	39.1	39.2	39.0	38.6	38.5	39.2
	29	41.0	40.5	39.2	38.2	37.2	36.8	36.0	35.2	35.0	35.0	34.8	35.8
	30	43.4	43.0	43.0	43.0	43.5	44.0	44.2	44.4	44.2	44.0	43.8	44.2
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		41.84	41.27	40.97	39.94	39.49	39.29	38.92	38.68	38.48	38.19	38.15	38.60
AUGUST.	JULY 31	49.5	49.0	48.0	—	—	—	—	—	—	—	—	—
	1	—	—	—	38.0	38.0	38.8	37.2	36.5	35.2	34.5	35.2	38.5
	2	39.0	38.0	37.0	38.0	38.0	37.8	37.8	38.5	38.2	38.5	40.5	40.8
	3	47.6	46.8	46.2	46.3	45.6	44.5	43.2	43.0	42.4	41.5	41.4	42.0
	4	—	37.8	38.2	38.0	38.5	38.2	37.4	37.5	36.8	36.2	36.0	38.0
	5	39.0	39.2	39.5	39.5	39.5	39.5	39.7	40.0	40.0	39.5	39.2	41.0
	6	42.2	42.2	42.2	42.5	42.5	42.0	41.5	41.6	41.6	42.0	42.2	42.8
	7	42.5	43.2	42.8	—	—	—	—	—	—	—	—	—
	8	—	—	—	40.5	39.6	39.4	38.6	38.1	36.5	34.8	34.0	34.5
	9	38.0	37.0	37.0	37.6	36.8	36.5	37.4	37.5	38.0	37.0	37.0	37.5
	10	44.8	44.2	44.5	44.5	43.0	42.0	43.4	42.6	42.0	41.8	42.2	45.0
	11	46.0	45.0	44.5	44.0	43.5	43.0	42.8	42.0	41.5	41.0	40.5	40.2
	12	46.2	45.5	44.8	43.6	41.8	42.8	42.0	41.5	41.2	41.0	41.8	43.8
	13	48.5	48.2	47.8	47.2	46.5	45.0	44.0	43.8	43.6	44.0	44.8	45.2
	14	42.0	41.8	41.8	—	—	—	—	—	—	—	—	—
	15	—	—	—	41.5	40.6	42.0	45.8	45.0	—	48.0	48.0	48.2
	16	47.0	46.8	46.5	45.8	44.0	42.8	40.6	41.8	42.0	41.0	40.0	41.8
	17	46.0	45.5	44.8	44.8	44.8	44.4	44.0	43.8	43.2	42.5	42.5	45.2
	18	47.4	46.6	46.0	46.0	45.0	44.8	47.5	48.0	47.4	47.5	46.5	47.4
	19	43.5	44.5	44.5	44.5	45.0	45.0	46.8	46.5	47.3	47.4	48.8	50.6
	20	50.2	50.0	49.2	48.6	48.4	48.0	47.8	47.2	47.4	47.8	48.0	49.0
	21	49.8	48.6	48.2	—	—	—	—	—	—	—	—	—
	22	—	—	—	53.0	53.2	53.8	54.0	54.0	52.5	51.5	50.0	49.0
	23	47.5	47.2	46.5	46.5	45.8	45.2	44.4	44.3	46.5	48.0	51.0	54.2
	24	46.0	44.5	44.4	43.8	43.8	—	43.5	43.2	43.0	42.0	42.0	44.0
	25	43.8	43.0	43.0	42.5	41.5	41.0	40.0	40.0	38.8	38.4	38.0	40.0
	26	45.5	45.0	44.2	43.8	43.2	42.8	42.6	42.5	41.8	42.5	41.2	42.5
	27	47.8	46.2	45.4	45.2	42.5	42.5	41.5	41.0	39.2	39.4	38.0	39.8
	28	36.8	36.8	37.5	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	46.8	47.2	48.0	48.2	48.5	48.8	49.5	51.0
	30	48.6	48.6	48.8	48.5	48.0	47.2	46.5	46.5	46.5	46.0	45.4	47.8
31	48.5	47.5	47.0	45.2	43.2	43.5	42.8	41.8	41.4	41.0	41.0	42.0	
Hourly Means		45.14	44.40	44.09	43.82	43.30	43.07	42.99	42.83	42.40	42.36	42.40	43.77

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	
40°0	43°5	47°0	48°0	49°5	49°0	48°0	46°8	43°2	41°0	40°0	39°0	40°90
43°5	46°2	48°0	49°8	53°0	53°5	53°5	52°5	50°2	47°5	47°0	46°5	44°50
—	—	—	—	—	—	—	—	—	—	—	—	40°85
38°0	40°0	42°0	44°0	46°0	47°2	47°4	45°7	41°6	39°5	38°2	37°5	38°07
36°2	38°2	41°6	44°0	46°0	46°6	46°0	44°0	41°5	39°8	37°5	36°5	37°97
35°0	37°5	40°4	43°5	46°2	47°5	47°4	45°8	42°2	40°2	40°0	40°0	40°82
40°8	41°5	42°0	42°4	43°0	43°0	43°4	43°5	43°8	42°4	41°7	41°6	43°33
41°2	43°4	46°8	49°0	51°2	51°4	51°0	49°8	46°8	45°2	44°0	42°5	45°11
43°8	46°0	49°5	51°5	52°5	52°5	52°5	51°6	50°0	48°5	48°0	48°0	46°79
—	—	—	—	—	—	—	—	—	—	—	—	44°12
41°2	43°8	47°8	55°0	56°0	55°5	54°8	52°5	49°0	47°5	46°8	46°0	45°67
42°5	45°5	47°5	48°2	50°2	50°5	50°2	48°2	44°0	41°2	40°0	41°0	45°92
44°2	46°2	49°0	51°6	54°0	55°4	55°5	53°8	50°7	49°5	50°0	49°0	44°55
44°5	47°2	48°8	47°4	48°5	49°0	47°8	46°5	43°5	43°0	40°8	41°8	48°13
44°5	47°5	50°0	52°0	54°2	54°5	54°0	52°5	49°8	48°0	47°0	46°8	43°81
45°6	48°2	50°2	52°8	55°0	56°0	57°2	55°4	51°6	49°4	49°0	47°8	42°24
—	—	—	—	—	—	—	—	—	—	—	—	39°28
42°2	45°0	47°8	52°0	53°5	53°5	50°2	43°0	41°0	41°4	41°0	41°0	41°10
43°0	44°6	45°4	46°0	46°8	47°5	45°5	45°5	43°4	40°0	39°0	38°4	40°90
36°6	39°5	41°3	44°2	46°0	47°0	47°0	46°5	44°5	43°2	42°5	41°5	42°32
39°8	42°0	43°7	45°0	46°0	47°2	47°2	46°0	44°0	42°0	42°0	42°2	40°94
39°0	40°2	41°5	43°2	45°2	46°4	46°6	45°2	42°7	41°0	39°2	38°5	41°34
39°6	42°8	46°4	48°8	50°5	50°5	50°4	49°5	49°0	47°6	47°8	47°8	36°91
—	—	—	—	—	—	—	—	—	—	—	—	42°15
38°8	40°0	39°4	42°2	43°5	44°5	42°5	42°5	41°4	40°4	40°5	40°5	40°46
39°0	41°7	44°8	46°2	47°5	47°8	48°0	47°5	45°4	41°8	39°5	38°0	48°40
33°5	35°6	38°5	41°5	42°7	44°2	42°5	43°2	41°2	39°8	39°0	39°0	—
40°8	43°2	45°0	47°6	50°2	49°8	50°5	49°0	45°4	42°2	40°4	40°0	—
36°8	38°5	40°8	44°0	47°5	49°5	49°0	47°0	45°0	43°2	42°5	42°5	—
45°4	48°0	51°2	54°0	56°2	58°5	57°0	56°5	54°0	53°0	52°0	51°0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
40°60	42°92	45°25	47°46	49°27	49°92	49°43	48°08	45°57	43°78	42°90	42°48	42°56
—	—	—	—	—	—	—	—	—	—	—	—	—
41°5	44°2	46°0	47°5	50°0	52°0	52°5	49°8	47°8	45°2	43°2	41°4	43°31
42°0	45°2	49°0	53°0	54°2	54°8	54°0	53°2	51°0	50°0	49°2	48°8	44°44
44°4	46°5	49°2	50°0	49°3	48°0	45°8	45°5	42°2	40°8	38°8	37°2	44°51
41°8	42°0	44°0	44°0	42°8	43°2	44°0	43°0	40°8	39°8	38°8	39°5	39°84
44°0	45°0	46°2	46°5	47°8	48°2	46°8	46°0	44°7	43°2	43°0	42°8	42°49
45°0	46°0	47°2	47°2	49°0	47°2	46°5	45°5	44°0	43°2	43°0	43°2	43°85
—	—	—	—	—	—	—	—	—	—	—	—	—
37°0	39°0	41°8	44°8	46°5	47°8	48°5	46°0	43°0	41°2	40°0	39°0	40°80
39°7	42°5	45°4	46°7	48°5	50°5	52°0	50°0	48°0	46°5	45°5	45°0	41°98
47°5	50°5	53°5	56°5	58°5	58°2	57°5	55°4	51°5	48°0	46°5	46°5	47°92
43°4	46°6	49°4	51°8	54°5	55°7	56°0	55°0	50°6	48°0	46°0	46°0	46°54
47°2	51°5	53°6	54°8	54°6	54°8	54°5	52°8	50°6	50°0	50°4	—	47°43
47°0	49°0	51°8	51°0	50°6	49°6	48°0	45°8	44°0	42°7	42°2	42°0	46°35
—	—	—	—	—	—	—	—	—	—	—	—	—
48°0	49°2	50°2	50°6	51°5	51°8	52°5	51°0	49°0	48°0	47°6	47°5	47°03
44°8	48°0	50°8	53°0	54°8	56°0	54°8	53°0	49°6	48°0	47°4	47°0	46°97
47°0	49°2	52°2	54°0	57°1	58°9	58°6	56°0	54°2	50°8	49°5	48°8	48°66
49°0	52°0	52°7	52°9	51°5	52°0	52°8	51°2	47°5	45°2	43°8	43°5	48°09
54°0	56°8	58°8	59°2	58°8	61°0	59°8	57°0	54°2	52°5	51°5	50°8	51°20
52°0	54°0	55°8	57°8	59°8	61°0	60°6	59°2	57°8	54°0	51°5	54°0	52°46
—	—	—	—	—	—	—	—	—	—	—	—	—
47°5	49°5	52°0	53°8	54°6	56°0	54°0	51°8	50°0	48°8	48°0	48°0	51°32
57°4	60°4	61°5	61°2	60°4	58°4	55°2	52°8	50°5	48°5	46°8	46°0	51°09
47°0	49°5	51°8	53°3	56°2	55°2	54°5	52°5	49°0	47°0	46°0	44°4	47°24
42°8	46°2	49°2	49°8	52°5	54°0	53°0	51°8	50°0	48°2	47°0	46°0	45°02
47°6	51°0	55°0	59°0	61°0	61°1	61°0	57°2	55°6	53°5	51°9	49°0	49°19
39°5	41°8	44°0	46°5	45°5	47°0	46°0	42°4	40°4	38°1	38°0	36°8	42°27
—	—	—	—	—	—	—	—	—	—	—	—	—
52°4	54°0	56°0	59°0	60°0	59°6	59°2	58°5	55°0	52°5	50°5	49°4	50°61
50°5	—	56°0	57°9	59°5	61°0	58°5	55°5	53°2	51°0	50°5	50°2	50°97
44°2	50°0	52°8	56°2	59°0	61°0	59°2	57°5	55°1	53°0	51°2	49°5	48°90
—	—	—	—	—	—	—	—	—	—	—	—	—
46°08	48°45	50°96	52°52	53°65	54°22	53°54	51°68	49°23	47°32	46°22	45°47	46°68

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	48·5	48·0	45·5	44·2	44·6	43·5	42·8	42·0	40·8	40·5	41·2	43·2
	2	51·5	50·5	49·0	48·0	48·8	49·4	51·0	50·8	50·0	50·0	52·0	53·5
	3	42·8	42·0	41·2	40·4	40·2	39·8	39·5	39·2	39·2	39·2	40·8	42·0
	4	47·0	46·2	46·0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	42·5	42·2	41·8	41·0	41·0	40·0	39·8	41·8
	6	46·0	45·2	44·5	44·2	44·0	43·8	43·8	43·0	43·0	43·0	43·2	45·2
	7	43·5	43·2	42·5	42·0	40·9	38·6	37·8	36·6	35·5	34·5	35·5	37·8
	8	39·1	38·6	37·6	37·5	35·5	35·5	34·8	34·4	34·0	33·2	34·2	37·4
	9	41·5	40·6	39·8	38·5	38·0	37·2	36·8	36·5	36·3	36·2	38·8	42·2
	10	52·5	51·4	50·4	50·2	49·4	49·2	48·4	47·8	48·0	48·5	49·5	50·8
	11	42·9	41·6	41·0	—	—	—	—	—	—	—	—	—
	12	—	—	—	37·2	36·0	36·5	35·0	34·5	33·5	34·0	35·0	38·2
	13	37·2	37·0	38·0	37·6	38·2	38·0	38·0	38·0	37·8	37·5	39·5	42·2
	14	40·6	39·2	39·0	38·5	38·5	38·0	37·8	38·0	38·0	38·0	39·8	42·2
	15	48·5	48·8	49·0	48·2	48·0	47·8	49·2	50·0	49·0	49·2	51·2	55·2
	16	46·2	45·5	44·2	43·2	42·2	42·0	41·8	41·2	40·0	39·2	41·5	45·5
	17	41·5	41·1	40·5	41·8	41·0	41·0	40·8	40·8	—	—	42·0	44·2
	18	49·0	48·8	48·2	—	—	—	—	—	—	—	—	—
	19	—	—	—	45·8	45·0	45·5	46·0	46·3	46·2	46·5	47·2	49·0
	20	43·0	41·4	40·8	40·5	39·5	39·0	38·2	37·5	38·0	38·0	42·0	45·5
	21	49·0	48·0	47·5	45·5	44·6	44·0	43·2	44·5	45·2	45·5	47·8	54·0
	22	45·0	44·4	45·2	45·5	46·1	46·4	46·5	44·6	44·5	44·2	45·0	46·2
	23	49·2	48·2	47·5	45·6	45·2	45·0	43·8	42·5	41·0	40·8	43·2	—
	24	49·0	48·5	47·5	46·0	45·0	41·0	43·0	43·2	42·5	43·0	44·5	48·0
	25	49·5	49·8	49·8	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	45·6	45·5	46·5	47·5	47·8	47·5	49·0	51·5
	27	52·2	50·5	49·8	48·0	48·2	48·0	48·2	49·0	49·2	50·0	51·7	54·5
	28	54·5	53·0	52·5	55·0	55·2	55·0	54·4	53·9	54·0	54·0	54·5	58·5
	29	51·1	50·8	50·5	49·7	49·8	50·5	51·5	51·5	50·6	52·0	53·0	53·0
	30	54·8	53·0	51·5	50·0	49·0	48·0	47·0	45·0	43·6	42·5	46·4	49·2
Hourly Means	46·75	45·97	45·35	44·30	43·89	43·59	43·37	43·05	42·75	42·65	44·19	46·83	
OCTOBER.	1	51·0	51·5	—	51·2	49·6	48·5	47·5	46·5	46·0	47·5	51·0	52·2
	2	49·0	48·0	47·5	—	—	—	—	—	—	—	—	—
	3	—	—	—	47·0	45·2	44·0	43·2	42·2	41·2	41·4	43·0	44·0
	4	42·2	42·2	42·0	41·0	40·8	40·5	40·0	39·4	39·2	40·5	44·5	48·0
	5	52·8	52·5	52·5	52·1	51·5	50·8	50·0	49·8	49·6	51·0	53·0	56·0
	6	60·0	58·5	58·0	57·8	58·0	58·0	—	57·0	57·0	59·0	61·7	65·8
	7	50·4	49·4	48·8	49·6	49·8	49·0	48·8	49·0	48·0	48·5	51·8	53·5
	8	45·8	45·0	44·5	44·0	44·8	44·8	44·8	44·8	45·0	45·4	47·0	49·8
	9	55·5	54·8	54·5	—	—	—	—	—	—	—	—	—
	10	—	—	—	45·8	44·9	43·4	42·2	41·4	40·0	40·5	44·2	48·0
	11	46·9	45·7	44·5	43·0	42·2	41·0	40·0	39·5	40·0	41·2	44·0	49·2
	12	48·8	48·5	48·0	48·2	48·0	48·0	48·0	47·5	47·4	48·0	49·0	51·2
	13	45·0	42·5	41·0	40·2	39·7	38·8	38·0	37·2	36·8	37·5	41·0	45·0
	14	46·0	44·4	43·2	43·0	42·5	41·8	41·5	42·2	43·0	44·0	48·2	52·2
	15	49·8	48·8	47·2	45·5	—	43·8	43·2	43·0	43·2	45·4	50·2	54·0
	16	58·0	57·0	55·0	—	—	—	—	—	—	—	—	—
	17	—	—	—	44·5	44·5	44·5	44·5	45·0	45·5	46·0	48·5	51·0
	18	45·5	44·5	44·2	43·5	43·2	44·0	44·5	45·0	44·4	46·6	50·8	54·8
	19	60·0	59·0	58·0	57·4	56·2	55·4	54·5	54·1	54·0	54·2	58·8	63·0
	20	55·3	55·0	53·8	53·6	50·5	49·9	49·5	49·5	49·0	48·6	48·5	48·5
	21	46·6	46·2	46·4	46·0	45·6	46·1	46·5	46·2	46·2	47·0	50·0	53·5
	22	45·2	43·5	42·2	41·0	40·0	39·0	39·0	39·0	39·0	41·0	45·0	48·8
	23	51·8	51·0	51·0	—	—	—	—	—	—	—	—	—
	24	—	—	—	48·0	48·0	49·0	49·0	49·0	49·7	49·2	51·2	53·5
	25	51·5	51·5	50·0	47·0	46·0	45·0	43·5	42·2	41·8	44·5	48·0	52·2
	26	50·2	47·5	47·0	46·0	—	44·8	44·5	45·0	45·0	47·0	50·5	55·5
	27	64·0	63·5	62·8	61·0	56·8	56·0	55·0	55·0	53·8	54·0	56·6	62·5
	28	56·5	55·0	53·2	52·5	51·0	50·5	49·8	49·0	48·5	50·5	53·4	56·5
	29	49·2	48·0	48·0	47·5	47·2	47·0	47·0	47·0	46·6	49·0	52·5	55·4
	30	49·8	48·2	48·5	—	—	—	—	—	—	—	—	—
	31	—	—	—	49·0	49·2	48·6	48·8	48·8	49·5	49·8	52·5	57·5
Hourly Means	51·03	50·07	49·27	47·90	47·30	46·62	45·73	45·93	45·75	46·82	49·80	53·14	

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	
47.2	50.6	55.0	57.5	59.2	59.4	61.3	60.2	57.2	55.0	53.5	52.0	49.70
55.8	59.0	56.4	57.4	57.5	54.5	52.8	52.2	50.0	50.5	48.4	44.0	51.79
43.5	45.5	47.0	49.2	58.8	57.4	57.0	56.4	52.8	50.0	48.0	47.0	45.79
46.4	49.5	51.0	53.3	53.8	53.5	54.0	51.5	48.5	47.5	46.5	46.5	46.58
48.0	50.5	52.2	53.8	53.0	53.8	52.0	50.4	48.0	46.1	44.5	44.0	46.88
42.4	45.8	48.5	51.0	53.2	55.0	54.0	51.8	49.0	46.2	43.6	42.2	43.80
40.8	45.5	50.0	53.0	54.8	55.0	55.5	53.0	50.0	47.5	45.0	42.4	42.68
46.5	49.0	54.0	57.5	60.0	61.5	61.5	60.6	58.2	56.2	54.8	52.5	47.28
53.0	54.0	56.8	55.0	57.6	58.0	56.8	50.5	47.0	46.0	44.5	43.5	50.78
40.0	40.5	39.8	38.5	42.5	44.2	41.0	42.0	39.0	38.0	37.0	37.5	38.56
44.6	46.5	49.0	49.2	50.8	49.2	49.4	48.4	47.0	45.5	44.0	43.0	42.73
46.4	50.6	53.8	56.2	58.5	60.5	58.5	58.0	53.0	49.8	48.5	48.1	46.23
59.5	62.2	62.5	60.0	58.0	53.5	56.0	55.0	53.2	50.2	48.0	47.5	52.49
49.8	52.2	55.0	56.6	57.2	58.0	57.9	56.8	51.8	48.5	46.8	44.8	47.83
49.5	50.4	54.0	57.0	60.5	62.8	62.5	60.5	56.5	52.4	50.5	49.5	48.84
53.0	53.5	54.2	55.5	56.6	58.5	58.2	54.0	51.5	48.5	46.5	44.0	49.90
49.0	53.8	57.2	61.2	64.8	65.5	64.5	62.0	59.8	56.8	53.5	50.6	49.25
54.5	55.5	56.5	58.5	61.2	57.2	58.0	54.5	51.0	48.5	46.5	46.0	50.28
47.2	48.8	53.8	56.0	58.5	59.5	58.2	57.0	56.0	54.6	52.8	49.8	49.83
53.5	55.5	59.2	63.6	62.5	62.8	64.0	59.2	55.5	53.5	51.8	50.5	51.46
51.0	54.8	59.0	61.5	63.0	63.5	59.0	56.5	54.0	51.8	50.4	49.2	50.75
54.2	58.5	62.5	64.8	66.0	66.0	65.0	62.5	60.0	57.5	54.8	53.5	54.58
56.8	60.0	63.8	67.5	71.2	74.0	71.6	68.2	63.0	60.2	58.0	56.0	57.07
61.4	62.5	63.5	64.0	64.2	64.5	64.2	60.7	58.8	56.2	54.0	52.0	57.52
53.8	55.9	57.5	63.7	67.5	70.5	72.5	71.0	66.0	61.0	57.5	55.4	56.93
53.2	57.5	61.0	63.5	61.0	61.2	60.2	57.5	56.5	54.2	52.5	52.2	52.94
50.04	52.62	55.12	57.12	58.92	59.21	58.68	56.55	53.59	51.24	49.30	47.84	49.32
56.2	59.0	64.5	64.4	64.2	62.0	58.4	54.3	52.5	51.0	50.6	50.0	53.46
45.0	50.5	52.0	54.5	53.8	56.2	53.5	53.2	50.2	46.0	44.0	42.5	47.38
51.0	52.5	56.8	57.0	57.6	61.5	59.0	56.8	55.4	53.8	53.0	53.0	48.65
59.5	63.2	67.2	69.5	70.5	70.5	70.8	70.8	67.5	63.6	62.0	—	58.99
67.2	68.0	68.0	66.2	66.5	66.5	66.4	64.5	59.5	56.4	53.5	52.5	61.13
59.0	62.0	64.2	63.8	58.0	52.0	51.2	51.2	49.0	46.8	47.0	46.8	51.98
52.2	55.0	58.0	61.3	65.5	67.5	69.0	68.5	64.5	62.0	58.8	56.5	53.52
52.0	54.0	56.0	58.0	59.7	60.3	60.0	58.5	54.8	51.5	49.0	48.0	50.71
52.0	54.0	56.2	56.5	58.0	57.8	58.5	58.5	56.8	53.2	51.5	51.0	49.22
53.5	56.2	56.8	58.5	59.2	59.0	59.5	59.0	55.5	51.5	48.5	46.8	52.69
50.5	54.8	57.0	58.0	62.0	62.2	61.5	58.4	55.5	52.3	51.0	48.0	47.25
56.5	60.8	61.8	65.0	65.5	64.5	65.0	64.8	62.5	58.0	54.5	51.5	52.60
57.0	62.2	66.5	70.0	73.5	76.0	76.0	76.0	72.2	63.0	59.0	59.2	57.59
54.8	57.4	61.2	59.3	59.8	59.8	60.5	58.5	56.0	52.5	49.3	47.3	52.52
59.2	64.5	67.8	72.5	76.0	79.0	78.0	75.0	72.2	67.8	63.8	61.5	57.84
69.0	70.8	74.8	78.5	81.8	74.6	77.0	73.8	68.5	59.8	56.8	56.2	63.59
48.8	49.8	51.0	51.0	52.0	50.0	49.5	48.8	48.0	47.5	47.2	46.8	50.09
54.5	56.2	56.0	56.0	56.0	55.2	56.0	55.8	54.0	51.0	48.2	46.8	50.50
52.2	56.2	59.8	62.2	62.8	63.8	63.2	62.2	58.5	56.8	54.8	52.7	50.33
57.2	58.8	59.2	60.5	60.0	59.8	59.2	58.5	56.0	53.8	52.0	51.5	53.62
56.8	60.0	62.0	64.0	65.2	65.6	65.3	62.2	59.7	56.2	53.5	51.5	53.55
60.0	63.5	67.2	70.5	74.8	75.2	74.5	72.5	70.0	66.5	64.8	64.5	58.56
68.5	71.5	77.5	77.5	76.2	75.0	71.5	68.2	63.8	62.0	57.0	56.0	63.57
61.5	62.5	65.4	66.0	62.2	61.8	63.0	63.8	57.2	53.0	50.0	49.0	55.91
56.5	57.5	59.5	61.8	62.2	60.2	60.4	60.8	60.0	56.5	52.0	51.0	53.45
59.2	63.2	65.5	70.0	72.5	73.8	72.5	72.2	—	66.0	63.8	62.8	58.33
56.53	59.39	62.00	63.55	64.44	64.22	63.82	62.57	59.19	56.10	53.68	52.14	54.08

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	61.8	61.8	60.2	60.5	56.5	54.0	52.5	51.5	52.0	54.2	59.0	64.5	
	2	58.5	58.5	56.5	54.0	53.2	52.8	52.0	51.4	51.5	51.0	54.4	58.0	
	3	49.0	47.0	46.8	47.0	46.8	45.8	44.8	45.0	44.0	45.5	49.8	52.2	
	4	49.7	49.2	49.4	49.0	48.8	48.5	48.5	48.5	48.5	48.5	49.8	52.5	55.2
	5	52.5	52.5	52.0	51.8	51.5	51.4	51.0	51.0	51.0	51.0	50.8	53.0	56.0
	6	50.0	50.0	49.0	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	46.5	45.5	44.8	44.0	44.5	44.5	44.5	47.0	50.5	54.2
	8	—	—	60.0	59.8	58.5	57.2	55.5	53.5	53.2	53.2	55.4	62.6	69.8
	9	58.6	56.8	56.0	54.8	55.0	54.5	52.0	51.2	51.0	54.0	58.2	58.2	58.2
	10	51.8	50.8	50.4	49.5	49.0	48.2	48.2	49.0	48.5	51.2	53.5	60.0	60.0
	11	51.5	50.5	50.5	51.0	51.5	52.0	52.2	52.5	51.8	52.2	56.0	58.0	58.0
	12	48.2	48.5	49.8	49.0	48.8	48.5	48.7	48.4	48.8	49.8	51.5	55.0	55.0
	13	51.6	51.4	53.0	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	52.0	52.5	52.0	51.0	49.2	49.4	50.0	55.2	60.0	60.0
	15	61.5	61.4	61.5	62.0	61.5	61.5	61.2	61.4	61.8	63.6	65.5	69.5	69.5
	16	63.0	59.0	57.0	56.6	54.0	53.8	53.2	52.8	52.4	55.5	58.4	60.5	60.5
	17	49.8	49.0	48.0	47.0	47.0	47.0	46.6	46.0	48.0	49.5	51.8	55.8	55.8
	18	49.8	49.6	49.8	50.0	50.2	50.0	50.6	50.6	50.8	52.5	56.0	59.5	59.5
	19	60.0	58.2	57.4	56.2	56.0	55.5	54.5	53.5	54.0	56.6	58.5	65.2	65.2
	20	56.5	56.5	55.0	—	—	—	—	—	—	—	—	—	—
	21	—	—	—	50.8	50.5	50.0	50.0	50.0	50.5	52.2	56.0	60.5	60.5
	22	55.2	52.5	50.8	49.0	48.0	47.2	46.5	46.0	49.0	50.0	54.5	58.5	58.5
	23	55.5	55.5	55.5	56.0	56.0	55.5	55.0	54.0	53.5	55.5	58.2	61.5	61.5
	24	53.2	53.0	53.0	51.2	50.7	—	49.5	49.3	50.2	55.5	59.5	63.2	63.2
	25	53.7	53.2	52.8	53.2	52.5	52.0	51.5	51.0	51.0	53.0	58.5	61.4	61.4
	26	55.8	52.8	51.0	50.8	49.6	49.0	48.0	47.5	49.2	51.8	—	59.6	59.6
	27	54.8	54.8	54.2	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	49.0	48.5	47.8	47.0	46.5	48.0	50.8	51.5	52.2	52.2
	29	52.2	51.8	51.5	50.9	50.0	49.5	49.5	49.5	49.5	53.4	58.6	61.8	61.8
	30	54.6	54.0	54.0	53.5	54.0	54.5	53.0	52.2	52.0	56.5	59.8	66.6	66.6
Hourly Means	54.35	53.53	53.27	52.35	51.77	51.32	50.63	50.23	50.54	52.59	56.12	59.88	59.88	
DECEMBER.	1	53.5	52.2	51.5	49.8	47.5	46.8	45.5	45.4	—	—	—	—	
	2	52.2	51.4	49.8	49.5	48.8	47.4	47.2	47.2	50.4	54.8	55.0	57.0	
	3	54.0	53.6	53.5	52.8	51.3	49.8	48.8	48.0	47.2	49.5	53.2	56.2	
	4	51.2	50.8	50.0	—	—	—	—	—	—	—	—	—	
	5	—	—	—	46.0	45.5	44.6	43.0	42.0	45.0	48.5	51.0	55.0	
	6	53.0	51.0	49.5	49.0	47.2	46.2	45.4	44.5	45.5	49.0	52.5	57.5	
	7	53.5	51.5	49.8	48.5	48.0	47.5	47.0	46.0	47.5	50.0	55.0	61.0	
	8	57.8	57.5	57.8	57.5	57.5	57.0	56.5	56.2	56.0	58.8	62.4	65.8	
	9	51.8	50.5	49.8	48.2	46.2	45.0	43.5	43.0	44.5	49.0	53.4	58.5	
	10	53.8	53.2	51.8	50.4	50.2	49.8	49.2	48.5	51.0	54.0	61.0	65.0	
	11	61.5	59.8	57.5	—	—	—	—	—	—	—	—	—	
	12	—	—	—	58.4	58.4	58.4	58.3	58.2	58.0	59.8	62.5	67.8	
	13	54.2	54.0	54.0	53.5	53.5	53.2	53.0	53.0	53.0	54.5	58.0	62.4	
	14	55.5	53.8	52.5	52.0	51.0	50.8	50.4	50.2	53.2	56.1	60.0	64.2	
	15	67.2	67.2	68.5	69.0	69.0	68.8	67.5	66.6	65.5	69.2	74.2	77.8	
	16	63.0	61.0	59.0	58.0	55.4	54.2	—	52.0	54.2	57.0	58.0	59.8	
	17	47.2	47.0	46.5	46.0	46.0	45.2	45.0	44.5	46.6	50.5	50.3	52.2	
	18	50.0	49.2	48.5	—	—	—	—	—	—	—	—	—	
	19	—	—	—	46.0	45.5	45.4	45.2	45.0	—	49.0	53.0	57.4	
	20	55.0	53.5	52.5	52.2	52.5	52.2	51.5	51.6	52.0	55.5	57.8	62.0	
	21	61.5	59.8	57.2	55.4	55.0	53.4	52.6	52.0	51.8	55.5	60.5	63.8	
	22	54.2	52.8	52.0	52.2	51.4	51.7	52.0	51.8	52.5	53.5	55.5	57.8	
	23	62.2	62.2	61.4	60.5	59.8	59.0	59.0	59.0	59.2	60.3	62.5	66.6	
	24	60.0	58.2	57.0	56.0	55.8	55.4	55.0	55.0	55.2	56.5	59.0	61.5	
	25	53.2	52.5	52.5	—	—	—	—	—	—	—	—	—	
	26	—	—	—	51.8	51.5	51.2	51.5	52.0	51.8	53.5	57.8	61.2	
	27	54.0	53.0	52.2	51.5	50.8	49.0	48.0	48.8	49.5	53.2	55.4	57.5	
	28	52.5	52.0	51.5	51.7	52.0	51.0	49.8	47.8	49.2	52.6	54.5	58.6	
	29	60.2	58.5	58.0	57.8	58.0	58.0	56.8	56.0	57.0	57.5	59.5	62.0	
	30	57.2	55.6	55.0	54.0	53.5	53.0	52.2	51.8	51.8	53.5	55.2	56.5	
	31	—	54.8	54.2	53.4	52.0	50.5	49.5	49.8	51.4	53.8	58.0	63.0	
Hourly Means	55.75	54.69	53.83	53.00	52.34	51.65	50.90	50.59	51.96	54.43	57.51	61.08		

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	
68.5	75.8	79.0	80.8	82.8	80.5	72.5	71.5	74.0	63.0	58.5	57.8	64.72
62.0	65.0	69.5	70.5	70.0	69.5	65.2	66.8	61.8	58.0	52.8	50.2	58.88
54.0	59.2	59.0	59.0	60.5	59.2	59.8	58.6	56.0	52.0	49.5	49.0	51.65
60.2	63.0	64.2	63.2	65.0	66.0	63.3	59.8	57.8	56.0	53.8	52.8	55.11
58.8	62.2	60.8	64.4	60.4	62.0	63.5	61.5	57.0	54.5	52.4	51.5	55.56
57.8	61.7	65.0	68.8	69.2	71.2	67.2	68.2	67.2	64.2	60.8	59.5	56.30
74.8	82.8	82.5	77.8	75.5	67.5	66.2	65.0	63.5	61.8	60.0	59.2	64.64
60.5	63.0	63.5	63.5	63.8	63.2	64.2	65.4	63.8	60.0	55.5	53.5	58.34
62.0	64.6	67.0	68.4	66.2	66.0	64.2	61.8	60.5	57.4	55.2	54.0	56.56
62.2	64.2	65.8	68.0	67.5	61.2	63.0	62.5	59.0	54.0	51.0	48.8	56.54
60.5	61.5	62.4	65.0	70.0	65.8	64.0	59.4	56.6	53.8	52.2	52.0	54.92
66.0	69.8	74.8	78.0	81.8	81.8	77.8	75.5	75.8	72.5	66.5	62.8	62.93
73.5	79.5	84.5	88.5	89.8	86.0	79.0	80.0	79.0	74.0	69.0	64.5	70.82
64.4	64.8	62.8	66.8	67.8	68.5	66.0	65.0	62.5	55.8	52.0	50.5	59.30
58.2	62.2	65.2	66.5	68.5	68.5	65.4	60.4	55.6	52.8	51.8	50.0	54.61
61.6	65.2	69.5	71.5	73.3	76.2	77.5	76.8	71.8	68.0	64.0	61.5	60.68
68.8	73.0	76.0	78.8	80.0	80.5	72.0	64.0	59.8	57.5	56.8	56.6	62.89
64.8	66.4	70.0	72.5	70.2	71.7	73.8	71.8	69.3	67.0	62.0	57.5	60.65
61.2	64.5	67.2	69.8	67.0	65.5	65.5	65.5	62.0	58.5	56.2	58.0	57.00
66.5	68.5	70.5	70.8	67.0	67.0	65.4	64.5	60.0	58.6	54.5	54.8	60.00
69.5	72.8	74.6	72.5	70.8	65.8	70.2	72.8	70.2	64.5	58.8	55.2	61.13
66.0	69.5	70.8	72.4	70.8	68.5	69.0	67.0	67.0	64.8	60.0	57.2	60.28
65.5	60.8	69.5	70.4	67.8	72.0	72.2	74.5	65.0	60.5	57.5	55.8	58.98
54.4	55.8	57.8	59.6	62.0	64.2	61.5	63.0	63.8	59.5	55.5	53.0	54.80
65.0	66.8	67.5	69.7	73.5	72.2	66.0	—	62.7	61.5	59.0	56.6	58.64
70.2	69.5	69.5	67.0	—	61.2	61.8	63.0	60.0	57.5	55.5	54.5	58.89
63.73	66.62	68.80	70.16	70.45	69.30	67.55	66.57	63.91	60.30	56.95	55.26	59.01
63.5	66.8	65.5	64.5	64.8	67.0	68.3	67.2	68.5	64.5	59.5	54.5	58.34
59.5	61.2	62.5	63.0	63.2	63.5	64.5	63.5	63.5	61.0	57.5	54.8	56.18
56.5	57.5	62.0	60.5	59.8	60.2	59.8	59.0	59.1	55.3	53.0	51.8	54.68
59.8	64.2	66.5	67.8	69.0	69.0	68.8	66.5	65.0	61.8	57.5	54.8	55.99
62.5	65.0	67.8	69.2	70.0	70.8	70.4	69.6	67.5	63.0	59.0	56.0	57.55
67.2	69.5	69.8	70.2	71.0	70.0	69.2	67.5	66.5	63.2	60.4	58.0	58.66
67.0	66.0	61.0	64.0	63.5	63.0	62.6	65.2	61.0	57.8	55.0	53.0	60.00
62.0	63.6	65.8	68.5	71.0	71.8	71.0	69.5	67.3	62.5	58.8	56.2	57.14
70.4	72.5	75.5	76.8	76.0	75.5	76.0	76.2	75.5	71.8	66.5	63.5	63.09
70.5	71.5	72.5	73.0	74.0	75.0	69.2	65.7	61.8	59.8	56.8	54.8	63.42
63.2	63.8	65.7	66.8	68.5	69.5	69.8	68.8	66.8	63.0	60.5	58.0	60.03
70.5	75.5	77.8	79.2	80.8	81.5	80.0	77.8	73.2	70.6	70.2	69.0	64.82
80.8	83.0	85.2	88.2	88.2	85.4	80.8	79.0	77.5	73.5	70.2	65.5	74.49
62.8	67.0	64.8	66.2	65.2	60.5	62.5	65.5	63.0	57.2	52.5	49.0	59.47
56.5	58.5	59.0	59.2	61.0	61.0	63.2	66.2	65.0	59.8	54.5	51.2	51.95
61.0	64.0	66.2	67.0	69.2	66.2	65.5	64.5	62.5	59.0	56.8	56.0	57.71
63.5	66.0	71.8	72.5	70.4	68.8	68.0	65.5	65.5	66.0	63.0	61.5	60.45
60.8	59.0	57.5	61.5	64.2	63.8	66.5	65.2	66.4	64.5	59.0	56.0	59.29
61.5	65.0	68.0	68.8	70.0	72.0	74.0	73.0	73.5	70.5	66.0	63.0	60.95
70.5	71.5	75.5	78.5	79.2	81.5	82.0	80.8	78.0	71.2	65.8	62.5	67.86
62.5	64.5	62.5	61.6	61.0	68.0	64.5	66.5	67.5	64.0	60.5	57.5	60.22
60.0	61.8	65.8	67.8	67.3	69.5	67.2	63.5	64.0	60.2	58.5	56.0	58.42
59.5	64.5	64.8	64.0	63.5	62.4	63.8	62.7	61.0	57.6	55.5	53.0	56.47
63.0	67.0	72.5	74.8	77.0	79.5	79.8	78.2	74.8	69.0	65.8	62.0	61.94
63.5	64.5	65.5	65.5	64.8	64.6	66.2	67.5	63.6	61.6	60.0	58.5	60.57
58.5	64.5	64.2	66.2	66.4	65.6	64.8	65.2	64.2	60.0	57.6	55.2	58.87
66.5	73.5	75.5	77.6	78.5	77.5	74.0	70.0	68.6	67.0	65.0	62.8	62.91
63.83	66.35	67.82	69.00	69.54	69.74	69.35	68.51	67.07	63.53	60.20	57.56	60.07

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	56.0	56.2	53.8	52.8	52.0	51.2	50.3	50.5	50.8	50.0	55.2	58.2
	2	50.4	50.7	51.7	—	—	—	—	—	—	—	—	—
	3	—	—	—	52.2	51.4	50.2	48.3	48.0	48.3	49.9	52.7	53.5
	4	56.4	54.0	54.2	52.0	52.6	53.0	52.6	52.5	52.4	53.5	54.4	57.6
	5	55.7	53.6	53.3	52.3	51.3	51.4	51.3	51.2	51.1	53.4	56.3	56.2
	6	55.2	54.8	54.5	54.6	52.7	53.2	53.5	53.1	53.4	54.0	56.1	58.5
	7	64.0	63.6	63.6	63.3	64.0	62.8	61.2	59.0	57.0	56.5	56.3	57.4
	8	53.1	53.3	53.3	53.3	53.5	53.5	52.5	52.0	52.2	54.5	55.4	56.2
	9	55.2	55.1	55.2	—	—	—	—	—	—	—	—	—
	10	—	—	—	51.2	48.8	48.6	49.1	49.5	49.8	51.2	53.2	53.9
	11	46.8	47.3	47.8	47.0	46.6	45.9	45.4	46.1	47.9	49.0	49.8	51.7
	12	52.4	52.2	52.3	51.4	49.6	49.7	49.4	48.2	48.8	50.7	53.0	55.0
	13	55.7	54.0	53.6	52.5	51.4	51.2	51.6	52.0	53.5	54.0	57.2	59.3
	14	59.5	58.6	58.0	56.5	57.0	57.0	52.8	51.4	51.8	53.3	53.2	54.0
	15	53.4	53.0	53.4	53.3	53.8	54.3	55.2	54.4	53.2	55.0	56.0	57.2
	16	54.0	53.6	53.6	—	—	—	—	—	—	—	—	—
	17	—	—	—	53.4	53.4	53.8	54.0	52.4	52.0	54.5	56.2	57.9
	18	62.4	61.8	59.7	56.6	56.8	54.8	55.6	55.6	55.9	57.0	57.6	59.2
	19	61.0	60.0	60.0	60.0	59.7	58.5	—	51.8	51.2	54.4	56.1	55.4
	20	50.6	49.0	50.0	49.0	48.4	47.5	47.6	47.8	48.2	50.3	52.2	54.0
	21	56.0	56.2	54.2	55.0	54.7	52.8	51.3	50.8	50.6	52.1	52.5	55.1
	22	51.8	49.3	49.2	51.6	47.1	46.6	45.3	45.5	45.8	46.1	48.2	49.8
	23	47.5	47.3	47.5	—	—	—	—	—	—	—	—	—
	24	—	—	—	52.5	52.1	50.9	50.9	49.6	49.6	51.1	53.5	55.4
	25	61.2	59.5	59.4	58.2	57.3	59.7	55.8	56.0	56.2	57.2	57.4	57.8
	26	47.0	46.0	47.8	47.5	47.0	46.2	45.1	45.1	45.2	46.8	49.3	51.1
	27	51.2	50.0	49.6	50.3	49.1	49.2	50.2	48.6	48.4	50.6	52.2	55.1
	28	58.0	55.5	54.5	54.2	53.4	53.7	54.4	54.4	55.2	55.8	56.4	57.8
	29	55.5	54.8	53.6	52.5	52.2	52.2	52.0	46.2	46.2	47.1	49.1	50.4
	30	49.8	49.7	49.4	—	—	—	—	—	—	—	—	—
	31	—	—	—	52.2	48.6	48.7	48.8	48.6	49.0	50.4	51.2	52.7
Hourly Means	54.61	53.81	53.59	53.29	52.48	52.18	51.37	50.78	50.91	52.25	53.87	55.40	
FEBRUARY.	1	56.8	56.6	56.2	55.3	54.9	54.8	49.9	52.6	54.1	55.4	56.5	60.4
	2	62.8	61.6	61.6	61.0	60.6	59.9	58.8	56.3	55.5	56.0	56.6	56.9
	3	56.4	55.8	55.8	55.8	55.5	55.2	54.7	54.8	55.5	56.4	56.9	57.5
	4	57.6	56.2	56.6	56.0	55.8	55.3	53.8	53.7	53.7	54.2	55.7	57.6
	5	56.8	56.3	55.9	55.6	55.8	55.1	54.6	54.2	53.8	54.5	55.2	55.8
	6	53.2	52.4	52.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	51.8	51.6	51.4	50.5	50.8	50.4	52.2	53.4	53.1
	8	57.7	56.7	55.4	56.0	55.9	55.8	56.1	55.4	55.3	56.5	58.4	60.5
	9	55.0	56.5	55.4	55.0	54.8	54.4	54.3	54.2	54.8	56.1	57.3	59.3
	10	58.0	58.4	59.0	59.0	59.0	58.5	58.7	58.6	58.7	59.0	60.3	61.5
	11	60.4	59.5	59.0	57.8	58.3	57.4	58.2	56.6	56.6	59.2	60.4	63.6
	12	59.4	58.6	58.3	58.2	58.4	57.6	57.4	57.6	55.4	57.5	58.6	60.7
	13	61.8	61.5	61.1	—	—	—	—	—	—	—	—	—
	14	—	—	—	48.2	46.6	46.2	47.8	46.0	46.2	49.4	50.2	52.9
	15	54.8	54.4	53.7	54.0	53.8	53.8	54.2	53.7	53.5	52.9	53.8	55.2
	16	55.8	55.0	54.8	54.7	52.6	52.5	52.2	51.0	50.8	52.6	54.4	56.1
	17	63.2	63.0	63.6	63.4	62.7	62.5	61.8	61.4	61.1	58.6	57.7	58.7
	18	52.4	50.6	50.4	51.2	50.5	50.2	50.2	50.3	50.5	52.4	52.6	53.1
	19	47.8	47.0	46.2	45.5	45.0	45.0	44.0	43.6	44.1	45.0	47.4	48.6
	20	50.7	50.4	50.4	—	—	—	—	—	—	—	—	—
	21	—	—	—	55.3	54.0	53.0	52.8	52.2	51.4	53.2	55.6	56.4
	22	57.2	56.4	56.2	54.6	52.2	52.4	52.6	52.4	52.2	52.4	52.7	52.5
	23	46.7	47.0	46.8	48.1	47.6	48.0	—	47.3	47.8	48.5	49.4	51.0
	24	54.4	53.5	52.6	52.8	52.2	51.0	50.8	50.5	50.3	53.0	53.7	55.6
	25	57.0	56.2	53.8	53.8	54.2	54.8	55.8	56.7	56.4	56.5	57.2	59.9
	26	53.7	53.7	51.4	50.0	48.5	47.8	47.8	47.4	46.6	47.0	46.9	47.3
	27	49.6	49.2	49.9	—	—	—	—	—	—	—	—	—
	28	—	—	—	47.7	47.5	47.0	46.4	46.4	46.4	46.6	47.3	48.4
Hourly Means	55.80	55.27	54.84	54.20	53.67	53.32	53.19	52.65	52.55	53.55	54.51	55.94	

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	
60.1	63.3	62.8	63.9	65.3	64.5	62.8	60.9	54.3	52.8	52.3	51.0	56.29
57.4	58.0	59.5	—	63.3	63.3	61.5	61.0	57.9	57.3	56.2	56.1	54.73
57.3	58.4	59.5	58.9	61.0	60.5	60.5	61.3	60.0	59.0	57.3	57.0	56.50
57.4	59.4	60.4	60.1	62.1	62.1	63.1	63.0	62.3	60.7	58.6	57.2	56.81
60.5	63.0	66.2	68.1	70.3	70.6	71.8	71.5	74.2	71.5	67.6	68.7	61.57
58.8	60.7	61.5	61.8	60.8	59.4	56.7	56.7	55.8	55.3	54.9	53.6	59.36
57.5	58.5	60.8	61.4	61.2	61.9	61.1	60.0	59.8	57.8	56.2	56.2	56.47
54.7	56.5	57.1	59.7	59.8	61.3	61.4	60.1	57.9	52.7	49.7	48.0	54.15
54.5	55.3	56.6	59.0	62.7	62.2	64.5	62.0	57.5	56.6	54.7	54.4	52.97
56.8	59.0	61.0	62.4	63.0	63.0	63.0	62.6	61.8	59.2	57.4	56.8	55.78
60.8	62.4	66.2	64.8	63.6	62.8	63.1	63.0	62.2	61.6	60.7	60.4	58.23
54.4	56.4	58.4	58.0	58.9	59.7	60.3	57.6	57.0	54.8	53.8	54.4	56.12
57.5	56.9	59.4	62.0	64.6	65.7	65.4	66.0	60.3	58.0	57.5	54.6	57.50
59.7	61.6	61.4	63.9	66.0	67.5	—	70.6	68.2	66.0	61.2	—	58.86
61.3	68.1	71.4	73.8	67.8	64.9	64.2	62.3	63.1	63.0	61.8	61.2	61.50
54.8	55.2	59.0	58.1	58.5	58.6	58.5	55.0	55.6	55.6	52.8	51.7	56.59
57.0	56.7	68.8	60.5	61.5	62.9	60.0	58.9	58.0	57.2	56.4	55.7	54.51
58.2	60.6	62.6	64.6	64.6	64.0	63.5	61.3	58.6	57.3	56.6	54.8	57.00
50.5	52.5	54.3	51.6	52.7	54.6	51.9	53.8	53.4	47.8	48.0	47.0	49.77
58.6	62.4	66.2	67.0	69.1	70.3	66.8	67.0	64.5	64.8	65.0	61.9	57.98
56.6	54.9	53.7	52.9	51.5	55.5	54.0	54.8	53.4	49.7	49.6	48.1	55.43
54.0	57.0	58.3	59.7	60.3	60.6	58.2	58.6	60.0	57.6	53.7	52.4	52.27
57.2	60.8	66.8	68.0	68.2	64.8	64.0	62.7	61.7	59.6	58.1	57.1	56.40
58.9	62.2	62.7	64.8	64.7	63.4	61.1	61.2	61.5	59.6	57.1	55.5	58.17
51.4	52.0	57.1	55.2	56.3	56.0	59.0	55.2	54.8	52.7	50.6	49.7	52.58
55.3	58.5	60.2	62.1	63.3	63.4	64.1	64.4	62.8	59.7	59.2	56.8	55.37
56.97	58.86	61.23	61.69	62.35	62.44	61.62	61.21	59.87	58.00	56.42	55.21	56.26
60.0	59.2	63.2	64.6	64.4	63.4	65.5	64.2	64.4	63.3	61.6	62.2	59.15
57.8	57.9	60.0	60.5	59.5	58.2	58.5	57.9	57.6	57.2	57.2	56.8	58.61
57.4	58.8	60.2	61.4	59.6	62.8	60.1	61.0	62.2	61.0	59.4	59.4	58.07
59.3	61.2	62.4	62.8	64.3	60.5	62.1	60.2	60.8	59.3	57.4	57.0	58.06
57.3	59.2	59.8	58.6	58.7	59.3	57.4	57.8	56.4	56.2	54.5	52.6	56.31
56.7	58.0	59.6	62.9	63.8	64.7	68.7	68.0	67.9	62.5	59.6	58.7	57.25
60.3	62.4	65.1	63.9	62.2	60.7	60.4	60.2	59.4	56.7	55.9	55.4	58.43
60.3	62.7	64.9	64.9	65.2	63.6	63.5	63.8	63.1	61.2	59.7	59.6	59.15
61.6	63.3	62.9	65.0	67.0	66.8	67.6	65.7	64.6	63.2	61.8	61.8	61.67
62.9	63.0	—	64.2	65.0	64.4	65.3	64.8	62.2	60.4	59.2	58.8	58.22
61.6	61.6	63.4	65.0	65.5	66.0	67.1	67.0	64.7	64.5	64.0	62.8	61.29
53.2	55.4	58.8	61.0	63.2	64.3	60.5	58.5	57.8	56.5	55.8	55.2	54.92
57.2	58.0	59.0	61.0	64.8	64.4	61.8	63.6	61.7	60.7	58.9	58.1	57.38
57.4	59.2	60.0	64.1	66.3	65.3	65.8	64.1	64.8	65.2	64.3	63.4	58.43
57.5	58.1	57.2	58.2	58.4	58.0	60.1	58.7	55.2	55.2	55.0	52.3	59.23
54.9	55.8	53.2	54.6	55.9	57.6	57.3	55.0	55.3	52.9	50.7	48.8	52.77
50.1	52.8	54.0	55.3	57.0	58.1	58.6	55.6	57.8	55.6	52.4	51.8	50.35
59.0	59.5	61.0	61.7	62.4	62.6	60.3	59.7	59.7	57.4	56.5	56.2	56.31
49.6	49.5	51.1	53.4	53.5	50.6	52.9	52.0	51.9	49.0	48.5	47.7	52.23
56.3	54.3	57.2	58.7	60.8	63.8	61.0	61.0	59.0	56.7	55.1	54.0	53.31
56.2	57.0	59.4	62.5	62.4	63.2	63.7	—	—	59.4	58.3	57.2	55.90
62.9	64.4	64.6	65.3	63.9	61.9	60.2	60.2	60.0	60.0	56.8	53.1	58.57
48.0	48.6	49.2	50.0	50.8	50.4	50.0	49.9	49.5	49.3	49.3	49.5	49.28
49.2	49.8	50.9	51.6	50.9	51.7	51.3	50.8	50.8	49.0	46.8	46.2	48.81
56.95	57.90	56.55	60.47	61.06	60.93	60.82	59.99	59.43	58.02	56.61	55.78	56.41

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	46°0	46°4	46°6	46°2	46°7	46°9	47°2	46°8	47°0	47°2	48°0	49°0
	2	50·4	50·6	50·8	50·8	51·3	50·0	49·8	49·5	49·5	49·2	48·7	50·8
	3	53·0	51·8	50·8	50·9	50·8	50·7	50·4	50·4	49·9	49·4	50·4	51·9
	4	54·7	54·0	53·5	52·6	51·7	51·4	51·5	52·0	51·5	51·2	53·0	54·2
	5	58·7	58·8	59·2	58·8	58·2	58·3	57·2	57·0	57·2	57·5	57·9	59·9
	6	60·6	60·2	59·8	—	—	—	—	—	—	—	—	—
	7	—	—	—	60·0	58·4	57·9	57·2	57·9	57·5	57·6	58·8	59·9
	8	59·2	59·2	59·2	57·6	54·5	53·4	52·1	51·2	50·1	50·2	50·3	53·1
	9	48·0	47·8	47·7	48·2	48·0	48·4	48·4	48·4	48·9	49·1	50·4	50·8
	10	50·7	49·7	49·4	47·8	47·2	47·6	48·0	46·4	45·4	45·8	47·5	50·1
	11	51·6	50·1	50·4	49·0	49·2	48·8	48·2	47·2	46·5	47·5	49·0	50·7
	12	57·0	54·7	55·0	55·0	55·0	54·7	54·8	55·0	54·9	55·0	55·9	56·5
	13	52·8	53·0	52·1	—	—	—	—	—	—	—	—	—
	14	—	—	—	54·7	53·2	52·0	52·0	52·0	52·0	52·0	52·0	54·4
	15	56·0	55·4	54·2	53·4	53·4	53·4	52·4	53·5	53·0	52·7	54·2	55·7
	16	54·7	54·2	54·0	53·8	53·1	51·4	53·2	52·4	52·2	51·8	53·7	56·2
	17	56·2	55·8	55·8	55·4	54·4	54·2	54·4	54·4	54·5	54·5	56·3	58·1
	18	60·2	59·0	57·2	57·6	57·8	58·0	57·3	57·2	57·0	57·4	58·5	60·1
	19	57·8	58·1	57·8	57·8	57·2	—	55·2	54·4	53·2	52·5	55·5	56·2
	20	54·0	54·8	54·4	—	—	—	—	—	—	—	—	—
	21	—	—	—	51·1	51·4	51·6	51·6	52·0	52·8	52·8	53·9	55·1
	22	60·5	59·4	59·4	59·4	59·2	59·0	59·2	58·6	58·4	58·0	58·8	59·2
	23	60·0	58·2	57·0	57·4	55·8	54·4	53·5	52·5	51·0	52·8	53·4	55·6
	24	55·4	56·4	55·7	55·7	55·7	55·8	53·6	52·4	50·9	50·8	51·6	54·0
	25	56·5	57·6	55·6	57·3	53·8	50·7	49·9	48·0	47·6	45·7	46·2	46·8
	26	42·6	41·8	41·6	41·4	41·3	41·6	42·7	42·8	42·2	42·4	45·4	47·6
	27	50·0	50·0	50·5	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	50·0	49·3	48·8	47·6	46·8	46·9	47·6	49·0
	29	53·6	52·8	52·8	52·2	53·6	54·2	54·2	53·2	51·8	52·2	52·5	52·8
	30	56·3	55·8	54·0	54·4	54·7	54·2	53·1	52·7	53·1	53·3	53·8	55·4
	31	55·7	54·6	55·8	55·1	54·6	53·8	54·0	53·4	54·0	53·4	53·5	55·8
Hourly Means	54·53	54·08	53·72	53·60	52·97	52·37	52·22	51·81	51·44	51·44	52·47	54·03	
APRIL.	1	60·6	57·5	54·2	53·5	53·4	52·5	52·4	51·8	50·4	49·4	48·6	49·4
	2	49·5	48·4	48·8	47·8	47·2	46·6	45·8	45·4	45·2	44·2	45·0	48·5
	3	49·4	48·9	47·6	—	—	—	—	—	—	—	—	—
	4	—	—	—	41·2	39·0	39·0	39·4	39·2	38·5	39·0	41·0	42·1
	5	44·2	43·3	42·5	42·2	42·0	41·5	43·4	43·6	44·0	44·0	44·9	46·0
	6	50·4	50·1	49·5	49·0	48·2	47·7	47·5	46·5	45·8	45·8	45·4	48·4
	7	41·4	40·2	40·4	39·8	39·4	38·8	38·4	38·6	38·8	39·0	39·4	41·2
	8	49·0	50·1	50·3	50·6	51·0	51·0	50·5	50·5	50·4	49·9	50·8	51·6
	9	52·4	52·4	52·2	52·2	51·5	51·4	51·8	51·2	50·6	50·8	51·4	53·8
	10	55·8	55·4	54·0	—	—	—	—	—	—	—	—	—
	11	—	—	—	42·2	42·0	42·0	41·8	—	40·5	40·2	40·4	42·2
	12	40·5	40·8	40·0	37·4	37·0	36·0	38·0	36·4	36·8	37·1	41·3	41·8
	13	43·1	42·6	41·8	41·2	41·2	39·4	39·2	39·0	38·6	38·2	39·2	40·4
	14	46·4	46·1	46·2	46·4	46·5	46·6	46·2	45·6	45·4	45·7	46·4	47·0
	15	47·3	47·0	46·7	45·6	45·2	45·4	44·8	44·8	44·7	43·8	43·6	44·6
	16	46·8	46·8	47·2	47·8	47·4	47·4	46·7	46·6	46·6	47·6	48·9	50·4
	17	47·3	47·3	47·3	—	—	—	—	—	—	—	—	—
	18	—	—	—	44·9	44·7	44·5	44·8	44·4	44·4	45·2	45·1	46·0
	19	48·6	48·6	48·4	47·6	47·4	47·5	47·5	47·8	47·8	47·8	47·3	47·6
	20	55·6	55·6	55·4	55·7	50·8	50·3	48·2	45·4	44·7	45·4	44·7	45·3
	21	41·8	40·8	39·5	39·0	39·0	38·3	39·2	37·8	37·8	37·4	37·4	40·2
	22	46·4	47·4	47·4	47·1	47·4	48·0	48·4	47·6	47·9	49·2	48·8	49·0
	23	52·2	52·4	52·7	52·4	52·7	52·7	51·7	50·5	50·5	48·4	48·4	50·5
	24	53·5	54·0	53·6	—	—	—	—	—	—	—	—	—
	25	—	—	—	51·8	51·8	52·1	51·7	49·9	47·9	46·7	48·0	49·0
	26	51·2	50·8	50·6	50·4	50·1	49·3	50·2	50·8	52·0	51·5	50·2	51·2
	27	47·6	48·0	47·6	46·7	45·9	45·0	44·8	45·0	45·8	43·0	44·0	44·8
	28	46·6	45·6	44·8	43·4	42·6	41·6	41·2	40·6	39·6	39·4	39·4	40·2
	29	46·6	47·2	46·2	45·6	45·7	45·7	46·5	46·9	45·8	46·5	47·3	48·8
	30	57·2	56·2	55·9	56·2	56·8	55·1	55·4	54·8	54·4	54·2	53·6	55·0
Hourly Means	48·90	48·60	48·11	46·84	46·38	45·98	45·98	45·63	45·19	44·98	45·40	46·73	

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	
49.6	50.1	50.7	53.0	55.3	53.9	52.6	55.1	52.8	51.0	50.4	50.6	49.55
52.3	54.3	56.7	57.6	58.9	60.4	60.4	60.8	—	56.7	54.8	51.0	53.27
54.4	55.8	59.0	60.0	61.0	61.2	61.0	61.3	60.2	58.6	57.6	56.3	54.87
56.1	57.6	60.5	63.0	64.7	64.7	65.0	64.4	63.0	62.0	60.0	58.8	57.13
59.8	62.5	65.1	63.9	64.6	63.4	64.7	63.4	62.8	61.6	61.2	60.8	60.52
—	—	—	—	—	—	—	—	—	—	—	—	60.14
61.8	62.9	62.4	63.9	64.8	64.7	62.6	61.0	58.9	58.0	58.0	58.6	60.14
53.2	52.8	52.7	53.3	52.9	51.2	50.0	51.5	50.7	54.1	48.5	48.4	52.89
52.0	53.8	54.4	56.2	56.8	57.2	56.4	55.9	53.8	52.3	51.1	51.0	51.46
50.8	53.2	55.7	58.7	58.4	59.4	58.5	56.8	56.2	55.5	54.2	53.0	51.92
52.2	54.2	56.0	58.2	58.9	60.3	59.1	58.0	57.6	57.0	56.0	55.8	52.98
57.2	57.1	58.7	59.7	59.8	59.8	58.2	56.6	56.0	54.2	54.2	52.6	56.15
—	—	—	—	—	—	—	—	—	—	—	—	56.27
55.2	57.2	59.5	61.2	61.7	62.9	63.8	62.4	60.8	59.0	57.4	57.2	56.27
57.4	59.6	61.0	63.0	63.4	64.2	63.2	61.4	59.4	57.3	57.3	56.0	57.10
58.9	61.0	62.8	63.6	65.4	65.1	63.2	61.0	59.6	58.6	58.5	57.3	57.32
59.7	60.7	63.1	64.5	64.8	67.0	66.9	66.2	65.6	63.4	61.4	61.4	59.53
62.4	64.2	65.2	65.2	64.4	61.4	61.2	60.0	58.6	57.5	57.5	57.6	59.69
58.3	59.0	60.6	61.1	63.2	61.7	61.2	61.2	59.2	58.9	57.8	57.1	58.04
—	—	—	—	—	—	—	—	—	—	—	—	56.98
58.2	58.2	61.0	60.3	61.6	62.3	62.4	62.5	61.8	62.5	61.4	59.8	56.98
61.5	62.8	66.0	67.8	74.2	73.4	69.2	67.2	66.4	63.8	62.5	61.6	62.73
55.6	57.2	57.2	59.5	60.3	61.3	62.2	61.0	58.8	57.2	57.0	56.0	56.87
56.7	57.6	59.2	64.4	60.8	61.9	63.6	59.8	59.7	61.4	59.0	58.1	57.09
49.7	46.8	49.0	48.7	47.7	49.4	47.8	47.7	45.6	44.0	43.5	42.5	49.09
48.9	50.8	52.2	52.8	53.0	52.2	53.4	53.6	52.2	51.0	50.7	50.4	47.28
—	—	—	—	—	—	—	—	—	—	—	—	52.49
52.2	54.2	55.6	57.0	58.4	58.6	59.6	57.7	53.6	55.3	54.7	53.9	52.49
53.9	54.9	58.0	59.1	61.8	61.5	61.0	60.6	59.5	60.0	58.0	56.8	55.88
57.3	59.6	60.2	61.8	62.6	63.4	63.4	63.0	61.7	60.2	57.2	56.0	57.38
59.0	—	61.2	64.7	66.8	68.5	66.8	64.8	64.0	63.6	63.5	63.2	59.12
55.72	56.85	58.66	60.08	60.97	61.15	60.64	59.81	58.40	57.58	56.42	55.62	55.69
50.2	51.5	52.9	54.6	54.5	53.6	53.0	52.8	51.8	51.0	50.8	49.8	52.51
49.6	51.2	55.2	57.8	57.4	56.0	55.0	53.5	52.8	51.9	50.1	49.7	50.11
—	—	—	—	—	—	—	—	—	—	—	—	45.27
45.7	47.9	49.0	50.1	50.9	51.6	50.3	50.3	47.9	46.8	45.8	45.8	45.27
48.2	49.8	52.2	55.0	55.3	55.5	54.5	54.7	52.4	51.0	50.8	50.7	47.99
51.2	53.5	55.5	57.4	53.8	52.4	50.5	47.6	44.0	42.6	41.4	41.5	48.57
41.8	44.5	46.0	47.8	48.2	49.4	49.2	47.8	46.8	46.4	47.3	48.4	43.29
53.1	55.2	55.0	57.8	56.5	57.6	56.1	55.0	54.5	53.5	52.6	52.4	52.71
55.1	57.0	57.7	58.8	59.0	59.7	59.8	58.1	57.4	56.7	56.3	56.6	54.75
—	—	—	—	—	—	—	—	—	—	—	—	45.12
44.1	45.2	46.4	47.4	48.4	48.2	46.3	45.6	44.4	42.6	41.8	40.8	45.12
40.8	43.9	41.7	43.6	45.9	46.5	46.9	46.5	44.0	43.8	43.0	42.7	41.35
41.7	44.3	45.3	46.5	49.3	48.8	48.4	47.4	46.4	45.2	45.8	46.1	43.30
49.8	50.8	52.3	54.2	55.5	56.0	56.2	52.6	51.5	50.1	48.6	48.4	49.19
46.2	47.3	49.1	50.5	50.8	51.0	50.7	50.4	49.3	48.5	47.6	47.0	47.16
51.7	52.2	54.2	56.1	57.5	58.0	57.8	56.6	53.0	51.6	51.2	48.7	50.78
—	—	—	—	—	—	—	—	—	—	—	—	47.67
47.9	49.9	51.2	51.7	51.5	51.5	50.6	49.7	49.2	48.8	48.2	47.9	47.67
49.4	52.1	55.0	56.7	57.9	62.5	58.5	58.4	57.8	58.0	56.4	56.8	52.23
46.2	46.2	46.6	47.8	46.8	48.6	46.1	45.4	43.4	42.4	42.3	42.3	47.55
42.0	46.4	47.2	48.9	50.4	51.2	52.0	51.4	50.2	48.4	48.0	46.9	43.80
49.6	52.5	52.9	52.4	54.8	55.1	56.2	55.7	54.2	53.5	52.6	52.2	50.68
51.0	54.5	56.8	56.8	56.8	58.6	58.0	57.0	55.5	55.4	55.2	54.7	53.56
—	—	—	—	—	—	—	—	—	—	—	—	51.96
50.0	51.3	53.0	53.8	55.8	54.4	55.0	54.0	52.8	52.8	52.4	51.8	51.96
51.6	53.6	52.8	52.4	52.1	52.0	50.8	50.4	48.8	48.3	47.7	47.7	50.69
46.8	49.1	50.6	58.0	50.0	50.1	49.4	49.9	50.2	47.7	46.9	46.1	47.63
41.4	44.7	47.3	48.9	50.2	51.7	52.0	51.2	49.2	—	47.6	47.4	45.07
51.4	52.6	55.2	56.4	57.8	58.2	58.7	57.9	57.6	57.5	57.4	57.0	51.52
56.8	58.7	60.3	61.3	62.7	63.0	62.8	62.1	60.2	59.6	59.0	58.6	57.91
48.20	50.23	51.59	53.18	53.45	53.89	53.26	52.39	50.97	50.16	49.49	49.15	48.95

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	58°0	57°8	56°2	—	—	—	—	—	—	—	—	
	2	—	—	—	51°5	50°8	50°6	49°9	48°9	49°0	48°3	48°5	50°0
	3	57°2	56°2	56°5	56°4	55°2	55°2	55°6	54°8	55°2	55°6	55°4	55°0
	4	45°2	44°8	44°6	44°2	42°4	42°8	42°4	42°4	42°5	42°2	42°0	43°4
	5	48°6	47°8	46°8	46°3	46°4	45°5	44°3	45°3	45°5	46°3	46°0	47°3
	6	47°3	47°2	47°5	47°2	47°2	47°3	47°4	47°2	47°2	46°8	46°8	47°0
	7	46°0	45°0	44°8	44°4	—	42°8	42°3	42°2	41°2	40°7	40°3	42°8
	8	46°2	46°0	45°6	—	—	—	—	—	—	—	—	—
	9	—	—	—	48°5	47°3	47°4	46°7	45°8	44°8	43°6	42°6	42°8
	10	42°8	42°4	42°4	41°2	41°6	42°2	42°0	42°6	42°7	42°4	44°7	45°4
	11	49°4	49°0	49°0	48°8	48°0	46°8	46°4	46°9	47°0	47°8	48°2	48°8
	12	46°4	47°7	46°9	45°3	45°3	45°2	45°2	45°4	45°0	44°4	44°2	46°6
	13	49°4	49°2	49°2	49°0	48°8	47°0	46°5	46°8	45°4	44°4	43°6	46°0
	14	44°6	43°7	43°6	44°6	44°0	43°7	43°2	43°0	42°8	42°6	42°0	43°5
	15	46°6	46°0	46°0	—	—	—	—	—	—	—	—	—
	16	—	—	—	47°0	46°2	46°0	46°5	47°0	47°8	48°0	48°2	48°1
	17	43°7	43°5	43°5	43°4	43°5	43°8	43°7	43°6	44°3	43°8	43°3	44°1
	18	48°9	47°6	48°7	48°7	48°6	48°6	49°0	48°4	48°4	48°4	48°6	49°2
	19	43°6	43°0	42°6	42°2	41°8	40°8	40°7	40°6	39°6	38°8	39°0	39°4
	20	36°6	36°8	37°2	37°8	37°6	37°2	37°6	36°9	37°0	35°5	36°2	37°6
	21	40°0	39°2	38°5	38°5	38°0	37°4	37°4	36°6	36°3	36°2	36°0	36°5
	22	41°0	40°8	41°5	—	—	—	—	—	—	—	—	—
	23	—	—	—	46°2	46°2	46°1	46°2	46°1	46°1	45°5	45°9	46°5
	24	48°4	48°0	48°3	48°0	47°1	45°2	44°6	46°0	47°0	46°8	47°0	47°5
	25	48°0	47°4	47°4	47°8	47°5	47°6	47°4	47°3	46°3	47°0	47°0	47°5
	26	49°0	48°9	48°7	48°5	48°0	47°8	47°4	47°3	47°3	44°0	43°6	44°5
	27	44°2	43°8	43°2	43°6	43°7	43°6	43°0	41°2	42°2	42°4	41°2	43°5
	28	46°0	44°8	43°8	43°6	42°8	43°0	43°3	43°0	41°8	41°6	40°8	41°4
	29	39°5	39°1	38°2	—	—	—	—	—	—	—	—	—
	30	—	—	—	40°0	40°2	39°2	39°4	38°4	38°2	38°6	39°2	40°4
	31	48°4	47°4	47°2	47°6	47°2	47°2	46°4	46°5	46°9	47°0	47°2	47°8
Hourly Means	46°35	45°89	45°69	45°78	45°42	45°00	44°79	44°62	44°52	44°18	44°14	45°10	
JUNE.	1	49°5	48°8	48°8	48°0	46°8	46°2	46°0	47°8	47°0	46°7	46°4	46°9
	2	43°2	42°8	42°5	41°0	40°5	39°9	39°0	38°0	37°8	37°2	36°4	37°6
	3	43°8	43°8	42°8	42°6	42°6	42°2	42°2	42°0	42°0	40°0	39°8	39°8
	4	46°0	44°3	47°0	45°4	44°9	43°2	43°5	42°9	42°3	42°4	42°5	43°5
	5	44°4	45°2	44°5	—	—	—	—	—	—	—	—	—
	6	—	—	—	45°3	44°6	45°0	44°9	44°6	44°0	44°0	43°0	42°0
	7	42°7	43°0	42°0	41°5	41°0	41°0	40°4	40°7	40°8	40°3	40°1	42°1
	8	47°0	47°2	48°1	47°7	47°6	46°3	44°6	43°0	40°0	41°2	39°4	40°0
	9	36°8	40°4	40°4	40°8	41°8	42°4	40°3	37°6	36°4	35°0	35°6	36°2
	10	36°5	34°2	34°2	34°2	34°2	34°2	34°0	33°4	34°8	35°0	35°4	36°4
	11	43°2	42°7	42°2	41°7	40°8	41°2	40°8	40°6	40°0	39°4	41°6	43°2
	12	44°6	42°6	41°0	—	—	—	—	—	—	—	—	—
	13	—	—	—	44°2	43°6	42°8	42°9	42°8	42°8	42°1	41°2	41°1
	14	44°6	44°0	43°9	43°8	44°0	43°8	42°6	42°8	42°2	42°2	41°6	41°8
	15	49°8	49°2	50°4	49°8	49°0	47°0	46°4	44°6	44°5	44°0	44°0	45°0
	16	44°0	43°8	43°5	44°0	44°2	44°6	44°5	44°6	45°1	48°1	48°6	49°0
	17	45°7	46°3	45°7	45°4	45°4	45°0	44°5	44°0	44°4	44°4	44°2	44°8
	18	43°0	41°0	40°0	39°6	39°2	39°4	39°0	39°0	38°5	38°3	38°6	39°7
	19	48°7	49°0	48°8	—	—	—	—	—	—	—	—	—
	20	—	—	—	51°4	52°2	51°3	50°8	51°0	51°0	50°4	50°4	48°3
	21	44°4	44°3	44°0	44°6	44°8	44°8	45°8	45°1	44°0	43°0	42°8	43°1
	22	43°8	42°8	42°5	41°7	40°8	40°4	40°5	40°1	40°9	41°5	43°0	43°9
	23	39°4	41°0	41°0	40°7	40°8	40°8	40°2	40°0	40°6	40°4	40°4	41°1
	24	42°4	41°7	39°7	39°7	38°8	37°6	37°8	38°5	38°5	38°5	38°6	39°2
	25	46°2	45°6	44°2	44°0	44°5	45°2	44°8	44°9	45°0	44°6	44°7	44°5
	26	52°0	51°4	50°8	—	—	—	—	—	—	—	—	—
	27	—	—	—	44°4	42°6	42°2	41°5	42°3	43°3	44°1	44°2	45°6
	28	39°5	38°8	36°9	38°2	38°0	38°0	37°8	37°0	35°5	35°2	34°8	35°2
	29	40°6	39°8	39°8	39°4	38°8	39°5	39°4	38°4	37°4	37°8	38°8	39°8
	30	42°4	41°4	40°2	38°0	38°6	37°0	36°2	35°4	34°6	34°0	34°2	34°4
Hourly Means	44°01	43°66	43°27	42°97	42°70	42°35	41°94	41°58	41°29	41°15	41°17	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	
°	°	°	°	°	°	°	°	°	°	°	°	°
52.0	56.3	58.5	62.8	62.4	62.8	63.3	63.1	61.6	60.3	59.3	58.9	55.87
56.2	56.2	56.0	55.2	55.0	54.6	53.9	52.4	47.3	47.8	46.8	46.2	54.00
45.4	46.5	48.4	52.8	52.8	52.5	52.8	51.3	50.4	48.4	48.4	48.4	46.54
48.4	49.2	51.4	52.6	54.0	51.6	50.2	50.0	49.2	47.1	47.1	48.1	48.13
48.3	50.1	51.9	51.9	51.8	51.8	51.7	51.4	50.8	48.8	47.0	46.2	48.66
45.2	46.2	47.6	49.9	50.4	51.2	51.2	50.7	49.6	48.6	47.4	47.4	46.00
—	—	—	—	—	—	—	—	—	—	—	—	—
43.4	44.7	45.3	45.8	45.8	45.5	46.4	44.8	43.3	43.0	42.5	42.4	45.01
47.0	46.8	46.4	49.2	51.0	52.0	52.8	52.6	51.0	50.4	50.4	49.2	46.30
49.6	51.4	53.2	55.2	55.1	55.1	55.4	50.6	49.7	47.2	46.6	45.9	49.63
47.7	49.4	52.4	54.2	53.6	51.5	51.0	50.3	49.0	48.8	48.9	49.0	48.06
48.9	51.5	53.2	53.8	54.1	54.3	53.4	50.8	48.8	46.0	44.0	43.2	48.64
44.2	46.7	48.0	49.0	50.2	50.4	50.4	48.9	47.8	47.8	47.0	46.8	45.77
—	—	—	—	—	—	—	—	—	—	—	—	—
48.9	49.8	51.6	52.4	52.7	53.0	53.8	52.0	50.0	47.0	45.8	45.0	48.56
47.0	49.2	51.4	55.4	54.8	55.8	54.2	52.6	50.8	49.8	49.2	49.2	47.65
50.5	50.4	49.1	48.0	47.0	46.1	45.7	45.2	44.5	44.4	43.8	43.8	47.57
40.7	41.4	43.3	45.3	46.1	46.8	45.8	44.4	41.0	40.0	—	37.5	41.93
40.4	41.8	43.8	46.2	48.1	49.6	49.3	45.9	43.6	42.0	41.3	40.3	40.68
40.0	40.8	42.7	43.7	44.7	44.0	45.6	44.7	44.0	41.5	40.2	40.2	40.11
—	—	—	—	—	—	—	—	—	—	—	—	—
48.2	48.2	51.0	51.4	51.5	51.8	51.6	51.5	51.2	50.6	50.0	48.2	47.64
49.0	49.5	50.8	50.8	50.4	52.2	51.4	51.2	50.6	50.6	49.8	47.6	48.66
48.3	50.5	50.9	52.2	52.9	53.1	52.2	51.0	50.4	49.6	49.8	49.4	49.10
47.2	49.2	50.4	50.6	52.8	53.4	52.6	50.7	49.3	48.7	46.6	46.5	48.46
45.6	47.6	47.6	51.0	53.2	53.6	53.3	52.1	50.3	48.0	46.7	46.5	46.30
42.6	44.6	45.7	46.8	47.2	46.2	43.2	41.2	40.8	40.2	39.8	40.5	43.11
—	—	—	—	—	—	—	—	—	—	—	—	—
40.7	42.6	45.2	46.9	48.2	50.5	50.5	50.0	49.1	48.4	47.8	47.8	43.25
48.0	49.9	50.1	52.3	54.4	55.0	55.6	53.5	51.2	50.6	49.8	49.2	49.43
46.67	48.10	49.46	50.98	51.55	51.71	51.44	50.11	48.67	47.52	47.04	46.29	47.13
49.8	51.0	52.0	55.2	56.0	56.4	57.4	53.5	51.0	46.6	45.9	45.6	49.55
40.3	43.5	44.6	47.4	49.5	50.3	49.9	48.6	46.4	45.6	44.7	43.8	42.94
42.0	42.9	45.7	46.9	46.1	45.5	46.0	45.4	46.3	45.4	46.0	46.2	43.67
45.6	47.4	50.6	52.0	54.3	54.6	54.8	52.2	50.4	48.4	49.5	45.2	47.20
—	—	—	—	—	—	—	—	—	—	—	—	—
43.9	45.2	47.6	47.9	48.6	49.2	48.0	45.8	43.0	42.8	43.8	43.6	45.04
45.8	46.8	47.2	50.4	50.4	52.0	50.4	49.4	47.6	47.2	47.1	47.1	44.88
41.6	41.9	44.9	45.0	46.7	45.4	45.3	43.4	41.9	41.2	40.2	37.4	43.63
39.0	38.0	42.3	43.0	43.2	43.8	44.0	41.0	39.0	37.4	37.0	36.5	39.50
39.0	41.0	43.2	45.8	47.0	48.0	48.8	45.9	44.4	41.2	41.0	43.1	39.37
44.2	46.3	48.0	50.6	51.8	52.4	51.7	50.8	49.4	48.0	47.8	46.1	45.19
—	—	—	—	—	—	—	—	—	—	—	—	—
43.8	45.6	45.2	46.7	50.4	50.0	50.0	49.3	47.6	46.2	46.0	45.5	44.92
43.5	46.2	49.5	53.4	53.9	54.3	53.4	52.4	50.4	50.7	50.9	50.0	46.91
46.7	47.2	47.0	47.8	48.1	49.4	49.6	49.6	46.0	43.8	43.6	43.0	46.90
50.0	50.3	49.0	48.1	47.8	47.6	46.6	45.8	45.6	45.4	45.6	45.5	46.30
45.0	46.3	45.7	46.4	46.5	45.2	44.9	45.5	44.7	43.5	44.1	43.8	45.06
41.2	43.4	46.7	48.3	51.5	52.2	51.5	50.8	48.8	49.0	49.0	48.6	44.01
—	—	—	—	—	—	—	—	—	—	—	—	—
48.4	48.6	48.4	47.7	48.8	48.3	46.6	44.9	44.9	44.2	44.2	44.4	48.45
44.4	45.6	46.2	46.5	46.9	46.1	46.4	45.0	43.8	44.0	43.6	43.5	44.70
44.0	44.3	45.4	46.8	47.8	48.4	46.8	45.8	43.7	41.9	41.7	39.7	43.26
42.5	44.5	45.3	46.2	47.0	47.6	46.8	45.6	45.4	45.3	45.4	44.8	43.03
41.6	43.2	44.4	45.5	47.2	49.4	49.7	48.2	47.2	46.1	46.2	45.3	42.71
45.8	47.2	49.6	51.1	52.8	53.4	53.7	52.8	51.2	51.7	51.5	51.9	47.95
—	—	—	—	—	—	—	—	—	—	—	—	—
48.1	48.8	52.1	53.8	52.8	52.8	50.4	47.6	43.2	41.8	41.0	40.4	46.55
36.2	37.5	39.4	42.6	43.4	44.0	44.0	42.9	42.0	41.8	41.0	40.4	39.17
41.5	44.7	43.4	44.5	45.4	44.6	44.0	45.0	44.5	44.1	44.7	43.6	41.65
38.0	39.2	42.1	45.4	46.1	45.9	45.8	43.7	41.0	40.8	39.0	38.4	39.66
43.54	44.88	46.37	47.89	48.85	49.11	48.71	47.34	45.75	44.77	44.64	43.98	44.31

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	
JULY.	1	39.4	38.5	38.5	35.8	35.6	35.4	36.0	36.0	35.4	35.5	35.5	36.2	
	2	37.5	36.4	38.0	39.2	38.8	39.2	39.2	39.2	39.8	40.4	40.0	39.6	40.6
	3	45.0	45.0	44.8	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	38.6	38.2	37.8	37.2	36.6	36.5	36.0	36.0	36.2	36.5
	5	36.3	36.8	35.5	35.5	34.7	34.5	33.5	33.2	33.2	33.2	33.2	33.5	34.2
	6	35.6	34.8	34.0	33.6	33.2	33.6	33.0	33.0	32.6	33.0	33.0	33.5	33.8
	7	39.5	37.4	36.4	37.8	38.0	38.2	39.2	38.5	38.9	38.9	38.9	38.9	39.1
	8	40.5	39.2	39.0	39.5	40.0	39.8	39.8	40.0	39.6	39.6	39.6	39.2	39.8
	9	41.8	40.8	39.8	40.0	40.0	40.4	39.7	39.2	39.4	39.0	40.0	41.0	—
	10	46.1	46.1	45.5	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	45.8	44.8	42.6	42.0	41.5	40.2	39.8	39.0	39.0	39.0
	12	44.2	43.2	42.4	41.8	42.0	41.8	41.5	40.2	39.7	39.0	39.8	39.8	39.8
	13	39.6	38.4	38.2	38.0	38.7	39.0	39.6	40.8	40.2	39.5	39.5	39.5	39.7
	14	46.4	46.3	45.7	46.5	44.1	43.9	44.0	44.0	43.6	43.6	41.8	41.8	41.8
	15	40.8	38.8	38.0	37.8	36.8	37.4	35.0	35.2	36.6	38.0	39.6	40.5	40.5
	16	45.0	44.5	44.4	44.2	44.2	44.2	43.5	43.6	43.3	42.8	42.7	42.8	42.8
	17	45.0	44.3	43.7	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	42.8	42.6	41.0	40.6	40.2	39.0	38.0	38.2	38.3	38.3
	19	39.0	39.5	39.6	39.5	39.5	39.5	38.7	38.2	38.8	38.9	39.0	40.3	40.3
	20	36.5	36.4	35.5	34.7	34.4	33.7	34.8	33.6	34.0	33.6	32.6	34.5	34.5
	21	38.8	38.4	38.0	37.4	37.0	36.6	35.8	35.5	35.0	35.6	35.9	36.5	36.5
	22	40.8	40.8	40.5	39.8	39.8	39.0	37.0	37.4	36.6	36.2	36.0	36.0	36.0
	23	37.6	36.8	36.2	35.7	35.1	35.2	35.4	35.5	35.4	34.6	35.8	36.2	36.2
	24	47.8	46.8	47.2	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	37.0	36.2	35.5	35.6	36.0	36.6	36.0	36.4	36.8	36.8
	26	37.8	39.2	39.0	38.9	38.6	38.2	36.0	35.6	35.5	35.3	35.6	35.8	35.8
	27	36.0	35.6	34.4	34.2	33.8	33.4	33.0	32.4	32.4	31.5	30.8	31.6	31.6
	28	38.6	38.3	38.4	38.4	38.4	38.4	38.7	38.3	38.0	37.8	38.0	38.8	38.8
	29	41.0	39.5	38.8	37.7	37.2	36.4	35.6	35.2	35.0	34.8	34.8	35.8	35.8
	30	43.4	42.4	42.4	42.0	43.5	43.4	43.4	43.4	43.0	43.0	42.8	43.3	43.3
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		40.77	40.16	39.76	38.93	38.66	38.39	37.99	37.80	37.65	37.43	37.49	38.03	
AUGUST.	31	47.0	46.8	46.6	—	—	—	—	—	—	—	—	—	
	1	—	—	—	37.0	37.0	37.1	36.0	35.4	34.4	33.8	35.2	38.5	
	2	38.0	37.0	36.8	38.0	37.5	37.6	37.4	37.9	38.0	38.0	39.5	40.6	
	3	44.8	44.1	44.1	44.0	44.1	43.6	41.7	42.0	41.8	40.6	40.8	41.2	
	4	—	36.3	36.0	36.1	36.0	35.8	35.4	36.8	35.0	35.0	34.5	35.8	
	5	38.0	38.0	38.0	38.4	38.5	38.8	39.0	38.6	38.9	38.7	38.9	40.5	
	6	40.4	40.6	40.9	41.5	41.1	40.3	39.8	40.0	39.8	40.4	41.0	41.2	
	7	40.4	40.6	40.2	—	—	—	—	—	—	—	—	—	
	8	—	—	—	39.6	38.7	38.5	37.8	37.3	36.4	34.0	33.2	34.4	
	9	37.0	36.4	37.0	37.1	36.0	36.3	37.2	37.1	36.8	36.0	36.2	36.5	
	10	42.6	42.5	42.6	42.1	41.1	41.2	42.6	40.6	40.6	40.8	41.0	42.6	
	11	43.1	42.4	42.0	42.6	42.1	41.6	41.2	40.6	40.2	39.8	39.1	39.1	
	12	43.4	43.0	42.2	41.4	40.9	40.8	40.0	40.0	39.6	39.6	40.4	41.8	
	13	46.0	45.4	44.7	45.0	44.0	43.2	41.6	42.6	41.6	42.2	42.6	43.2	
	14	40.6	40.0	40.6	—	—	—	—	—	—	—	—	—	
	15	—	—	—	40.6	39.5	41.4	44.3	43.8	—	46.8	46.8	47.6	
	16	44.8	44.3	44.5	43.1	40.0	40.4	39.0	40.0	41.0	39.2	38.3	41.3	
	17	43.6	42.5	42.0	42.6	42.5	42.0	41.4	41.2	40.9	40.8	40.7	42.6	
	18	44.1	43.2	42.3	42.3	42.1	42.4	44.0	44.4	44.8	44.8	44.4	44.6	
	19	40.5	41.6	41.3	42.0	43.0	43.6	45.2	44.8	45.8	46.0	47.1	48.4	
	20	47.2	46.5	46.2	45.8	45.6	45.4	45.2	44.5	44.9	44.8	44.5	45.9	
	21	46.2	46.1	45.4	—	—	—	—	—	—	—	—	—	
	22	—	—	—	49.2	49.2	49.6	50.8	51.0	51.0	49.0	47.0	47.0	
	23	46.1	45.4	45.2	45.2	44.7	44.2	43.6	43.7	44.6	45.1	47.2	48.4	
	24	42.0	41.9	41.3	41.2	41.0	—	41.0	40.5	41.0	40.0	40.8	42.4	
	25	40.7	40.1	40.3	39.5	39.0	38.6	38.4	38.2	37.3	37.2	37.1	38.7	
	26	43.4	42.6	42.4	41.8	41.4	41.3	40.9	40.6	40.4	40.8	40.3	40.4	
	27	44.1	42.8	42.0	42.1	40.4	40.5	39.1	38.5	37.2	37.4	36.8	38.6	
	28	36.2	36.3	36.6	—	—	—	—	—	—	—	—	—	
	29	—	—	—	—	45.0	45.2	45.5	45.6	45.6	45.8	46.0	47.0	
	30	46.3	46.5	46.6	46.5	45.8	45.2	45.0	45.1	44.6	44.2	44.4	46.2	
31	46.8	45.8	45.8	43.7	42.4	43.5	41.8	41.6	40.8	40.7	40.6	41.5		
Hourly Means		42.82	42.17	41.99	41.86	41.43	41.70	41.29	41.20	40.88	40.80	40.90	42.07	

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	
40.2	42.0	44.4	44.4	45.8	44.9	44.9	43.8	40.8	39.5	39.2	39.0	39.44
43.2	44.5	45.6	47.4	50.1	50.1	50.7	49.4	48.0	45.8	45.7	45.1	43.09
—	—	—	—	—	—	—	—	—	—	—	—	—
38.0	39.4	40.6	42.2	43.4	44.5	44.2	42.9	39.4	38.8	38.0	36.8	39.86
36.2	37.8	40.3	41.6	42.8	43.2	42.6	40.7	38.5	38.4	36.6	35.3	37.00
34.7	37.2	39.4	41.4	43.8	44.1	44.0	42.4	39.8	38.6	39.6	39.6	37.01
40.4	41.4	41.4	41.8	42.2	42.8	43.1	43.0	43.2	42.0	41.5	41.0	40.11
40.3	43.3	45.4	46.2	47.8	49.0	48.4	46.9	44.2	43.8	42.8	42.0	42.34
42.7	44.0	46.7	47.2	48.8	49.2	49.0	48.5	47.6	46.2	46.2	46.3	43.48
—	—	—	—	—	—	—	—	—	—	—	—	—
41.0	43.0	47.0	50.0	50.6	51.2	50.9	49.2	46.9	45.6	43.9	43.6	44.80
41.2	43.9	44.2	45.0	46.2	46.2	46.4	43.6	40.4	38.4	38.4	39.4	42.03
42.8	44.4	47.0	49.4	51.0	51.6	51.9	49.8	47.4	47.2	47.5	46.4	43.65
42.2	44.0	45.5	44.6	45.7	45.8	44.7	43.2	41.1	38.8	39.1	39.8	43.59
43.1	45.2	47.8	49.7	51.5	51.7	51.2	49.4	47.6	46.4	45.6	45.4	42.88
44.2	46.2	48.2	50.4	52.0	53.5	53.6	51.5	48.8	47.1	46.8	45.7	46.38
—	—	—	—	—	—	—	—	—	—	—	—	—
41.8	42.6	44.2	46.2	48.5	48.0	46.4	41.4	40.3	39.8	39.4	39.4	42.15
41.3	42.4	43.6	43.4	43.6	43.8	42.2	42.2	40.9	37.8	37.0	37.2	40.35
35.0	38.3	39.2	40.9	41.9	42.7	43.1	43.0	41.9	41.2	40.6	39.6	37.57
38.0	39.5	40.8	41.7	43.2	43.8	43.8	42.8	41.8	40.2	40.6	40.8	39.06
37.8	38.2	39.3	40.4	41.8	42.8	43.2	42.0	40.4	39.0	38.6	37.6	39.21
37.7	40.2	43.8	45.6	46.5	46.7	47.8	46.6	46.5	45.5	46.0	46.0	40.35
—	—	—	—	—	—	—	—	—	—	—	—	—
37.8	37.6	39.1	40.2	41.2	41.6	40.5	39.9	39.0	37.6	37.6	37.7	39.07
38.1	40.2	41.8	43.3	44.2	44.4	45.3	44.0	43.0	39.8	37.4	37.0	39.33
33.2	35.2	37.2	39.4	39.7	41.5	40.5	40.8	38.9	38.5	38.0	38.0	35.83
39.9	41.6	43.2	44.6	46.8	46.9	46.5	45.6	42.6	40.6	39.8	39.2	40.72
36.2	37.8	40.0	42.1	45.0	45.8	45.1	43.4	42.4	41.3	41.2	41.6	39.32
44.2	45.8	48.3	51.4	53.6	54.2	53.0	53.0	50.8	50.3	49.8	49.0	46.64
—	—	—	—	—	—	—	—	—	—	—	—	—
39.66	40.99	43.23	45.02	46.06	46.54	46.27	44.96	43.16	41.85	41.42	41.09	40.97
—	—	—	—	—	—	—	—	—	—	—	—	—
40.1	42.4	45.3	43.8	47.0	47.8	48.3	46.5	45.0	42.8	41.0	39.6	41.43
41.0	44.0	47.2	49.2	50.5	51.0	51.0	48.6	47.3	46.7	45.4	45.8	42.67
42.1	44.0	44.5	45.3	44.5	43.8	41.7	40.9	39.4	39.6	36.9	36.9	42.18
38.5	39.3	41.4	40.5	39.0	40.0	41.0	40.0	38.3	38.1	37.6	38.2	37.59
42.6	43.3	43.8	44.6	45.1	44.9	44.6	44.0	42.9	42.1	41.8	41.4	41.06
43.3	44.0	45.1	46.3	44.5	43.4	43.9	42.5	41.4	41.0	40.9	40.6	41.83
—	—	—	—	—	—	—	—	—	—	—	—	—
36.5	37.9	39.8	41.8	42.5	43.5	44.1	42.3	40.6	39.7	38.2	38.0	39.00
38.5	40.8	42.0	42.6	44.3	45.4	46.5	45.2	44.0	43.3	42.9	42.6	39.90
45.0	48.0	48.9	50.9	52.7	51.3	51.3	48.2	45.8	43.8	43.3	43.3	44.70
42.2	44.0	45.8	48.0	49.5	50.4	50.1	49.7	46.3	44.4	43.8	43.5	43.81
44.5	47.5	49.1	49.9	50.2	50.4	50.2	48.9	47.0	47.0	46.8	—	44.55
44.4	45.3	46.9	46.0	46.2	45.2	44.0	43.0	41.6	40.4	40.6	40.4	43.59
—	—	—	—	—	—	—	—	—	—	—	—	—
46.2	47.5	48.8	48.4	48.6	49.2	49.0	48.0	46.8	46.6	46.4	45.7	45.36
43.2	45.1	46.5	47.4	48.0	49.0	49.0	47.2	45.0	44.8	44.6	44.0	43.74
44.0	46.4	48.0	49.4	51.0	51.5	50.5	49.0	47.4	45.9	45.6	45.1	44.86
45.4	46.8	47.6	47.6	45.9	46.4	46.4	44.6	42.2	40.6	40.1	40.0	44.04
49.7	51.1	52.1	51.7	53.4	53.8	52.8	51.2	49.4	47.8	47.6	47.5	47.39
47.8	49.0	50.1	51.7	51.6	52.2	51.9	51.8	50.5	48.8	47.8	47.1	47.78
—	—	—	—	—	—	—	—	—	—	—	—	—
45.0	46.6	48.2	49.4	50.6	50.4	48.8	47.4	46.8	46.0	45.2	46.8	48.03
49.8	53.2	47.0	54.0	53.2	53.2	51.2	48.3	46.4	44.1	42.4	43.2	47.06
44.1	45.4	46.9	47.5	48.3	47.5	47.2	46.1	44.2	43.0	42.1	41.4	43.34
40.7	42.5	43.5	43.2	45.6	46.0	45.4	45.0	44.6	44.2	41.8	43.4	41.29
44.8	47.0	50.0	52.4	52.8	51.7	49.6	48.2	47.3	46.8	46.4	45.3	44.94
37.8	39.4	39.8	40.8	39.5	40.1	39.0	37.0	36.4	35.4	36.4	35.6	39.03
—	—	—	—	—	—	—	—	—	—	—	—	—
48.0	49.2	50.8	52.4	52.6	52.4	53.0	51.3	49.5	47.8	47.4	47.2	46.80
47.5	—	50.3	51.2	52.5	52.7	51.5	50.4	48.8	48.8	48.6	48.2	47.69
43.5	47.2	48.2	48.0	51.0	55.4	50.9	49.8	49.3	48.6	47.8	47.2	45.91
—	—	—	—	—	—	—	—	—	—	—	—	—
43.56	45.26	46.58	47.56	48.17	48.47	47.88	46.49	44.97	44.00	43.31	43.00	43.68

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	46.5	45.4	43.4	43.4	43.3	42.4	41.2	40.4	40.0	39.8	41.0	42.1
	2	46.5	46.2	44.6	44.9	46.2	46.7	47.0	47.0	47.4	47.8	48.4	49.0
	3	38.9	38.6	38.0	37.9	37.6	37.0	36.8	36.8	37.1	37.2	38.6	39.4
	4	44.9	44.2	43.6	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	41.4	41.0	40.4	39.8	39.8	39.0	39.2	41.6
	6	43.7	43.2	42.4	42.4	42.6	42.6	42.8	42.0	41.9	42.0	42.2	43.7
	7	40.6	40.2	40.2	39.6	38.9	36.4	35.8	35.2	34.5	33.5	35.2	37.2
	8	37.8	37.3	36.8	36.3	34.9	35.4	34.4	33.9	33.4	33.0	34.2	37.4
	9	40.3	39.7	38.5	37.7	37.8	37.2	36.4	35.8	36.1	36.0	38.3	41.1
	10	48.2	47.0	46.8	46.8	45.3	45.2	45.1	45.0	45.6	46.1	46.9	47.7
	11	38.5	37.6	37.0	—	—	—	—	—	—	—	—	—
	12	—	—	—	34.0	32.8	33.2	32.6	32.8	32.0	32.8	33.3	35.1
	13	35.1	35.0	35.4	36.0	36.3	36.0	35.8	35.8	36.2	35.9	37.4	38.4
	14	39.0	38.4	38.4	37.8	37.5	37.2	36.8	36.7	36.7	37.4	38.6	40.4
	15	44.5	44.3	44.0	43.4	42.8	43.0	44.8	44.4	43.9	44.4	45.8	47.8
	16	42.6	41.8	41.2	40.0	39.4	39.1	38.8	38.4	37.4	37.0	40.2	41.9
	17	38.7	39.0	39.0	38.7	38.1	37.9	37.6	37.4	—	38.0	38.6	40.4
	18	43.6	44.0	43.4	—	—	—	—	—	—	—	—	—
	19	—	—	—	43.1	42.5	42.5	42.4	42.2	41.8	41.6	42.0	44.0
	20	40.6	40.2	39.8	39.5	38.7	37.8	37.4	37.4	37.2	37.4	41.5	43.0
	21	44.6	44.7	43.8	42.1	42.0	42.0	42.0	42.8	43.4	43.5	45.0	48.0
	22	42.0	42.6	43.6	43.5	43.6	43.0	42.8	42.8	42.7	43.2	44.0	45.2
	23	47.2	45.6	45.2	44.2	44.0	43.1	42.0	41.1	39.9	40.2	40.9	—
	24	47.8	46.8	45.9	45.2	43.8	43.0	42.2	43.0	41.9	43.0	44.5	47.2
	25	49.0	49.0	49.2	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	45.6	45.5	46.5	47.5	47.4	47.4	48.4	49.2
	27	50.3	48.9	48.2	47.0	48.0	47.8	48.0	48.8	47.7	48.6	49.2	50.7
	28	52.8	51.0	51.0	51.2	51.2	51.1	49.8	49.2	49.5	49.6	50.0	52.0
	29	50.2	50.0	49.5	48.0	49.1	49.5	49.7	49.3	49.0	50.2	50.2	51.0
	30	48.8	47.6	46.9	45.3	44.6	43.8	43.5	41.0	42.0	41.4	43.0	45.8
Hourly Means	43.95	43.40	42.92	42.00	41.85	41.52	41.25	41.02	40.98	41.00	42.18	43.97	
OCTOBER.	1	49.2	49.7	—	48.5	47.4	46.6	46.1	45.6	45.2	47.2	49.0	49.8
	2	48.4	47.4	46.1	—	—	—	—	—	—	—	—	—
	3	—	—	—	41.0	39.8	39.0	40.0	39.2	38.5	38.7	40.0	40.4
	4	38.7	38.0	38.2	37.6	37.5	37.5	37.1	36.6	36.6	38.7	41.0	43.2
	5	48.3	47.8	48.0	48.1	47.3	46.0	45.7	45.9	46.0	47.6	49.5	52.0
	6	55.2	54.4	52.5	53.8	53.8	53.8	—	52.4	52.5	55.0	56.7	59.1
	7	46.0	45.2	44.2	45.4	45.5	45.3	45.2	45.3	44.4	45.0	47.7	48.4
	8	42.2	41.5	41.0	40.6	42.2	41.8	42.2	42.2	42.0	43.0	44.0	46.0
	9	50.7	51.0	50.2	—	—	—	—	—	—	—	—	—
	10	—	—	—	43.0	41.3	41.0	39.8	39.2	37.5	38.3	42.2	44.4
	11	44.6	43.3	42.1	41.4	40.7	39.1	38.3	39.0	39.0	40.4	42.2	45.4
	12	46.0	46.5	46.7	46.9	47.8	47.6	46.8	46.2	46.5	46.4	46.3	47.1
	13	41.8	40.2	40.0	39.2	38.4	37.6	37.2	36.7	36.6	37.5	41.0	43.5
	14	43.2	42.8	42.0	41.9	41.0	40.2	40.7	41.3	42.0	43.0	45.0	47.8
	15	47.7	46.2	46.5	44.5	—	43.0	42.6	42.4	43.2	45.0	49.0	49.6
	16	53.4	52.0	58.6	—	—	—	—	—	—	—	—	—
	17	—	—	—	43.4	42.5	42.0	42.6	42.8	43.2	43.5	45.4	48.0
	18	43.7	43.6	43.5	42.6	42.8	43.2	42.6	43.5	43.2	45.3	47.1	50.0
	19	53.2	52.4	51.8	51.0	50.2	49.4	48.4	47.9	48.7	48.8	52.2	56.5
	20	53.3	52.1	50.3	50.2	48.7	48.7	48.5	48.3	46.8	47.0	46.8	46.8
	21	45.8	45.4	45.4	45.0	44.4	44.9	45.0	45.0	45.0	45.7	47.4	49.2
	22	42.4	41.0	40.8	40.0	39.1	38.3	38.2	38.1	38.6	40.4	43.1	44.9
	23	49.4	49.2	49.0	—	—	—	—	—	—	—	—	—
	24	—	—	—	46.4	47.8	48.0	48.5	48.0	49.4	49.0	50.4	50.5
	25	48.2	48.2	46.8	45.0	44.0	43.0	42.4	41.2	45.7	44.5	47.3	49.4
	26	47.3	45.2	45.0	44.9	—	44.8	44.2	44.4	44.8	46.2	48.4	51.0
	27	55.0	53.4	54.7	54.3	53.2	52.8	52.0	51.8	51.7	51.8	53.0	57.6
	28	50.6	48.2	47.4	46.8	45.6	45.5	45.2	45.0	44.1	45.8	48.2	49.1
	29	45.0	43.5	44.0	43.4	43.0	43.2	43.2	43.4	43.0	45.4	46.3	47.4
	30	45.2	44.0	44.8	—	—	—	—	—	—	—	—	—
	31	—	—	—	47.2	47.2	47.0	47.4	47.4	47.8	48.1	50.5	52.5
Hourly Means	47.48	46.62	46.38	45.08	44.63	44.20	43.60	43.80	43.92	44.90	46.91	48.83	

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	
45.2	47.0	49.5	51.0	50.0	51.3	50.4	50.8	50.1	50.1	48.5	47.3	45.84
50.4	50.8	47.4	48.7	48.3	45.7	45.2	44.0	42.7	46.2	43.8	39.6	46.44
40.6	41.9	42.9	45.0	49.0	49.8	49.2	48.4	46.8	45.8	44.6	44.4	41.76
44.9	45.6	46.4	48.3	47.9	47.2	47.3	46.5	45.3	44.4	44.3	43.9	43.78
44.4	44.0	45.0	44.7	45.0	45.0	44.0	43.4	42.8	41.4	41.2	41.0	43.06
40.2	41.4	42.8	44.0	45.2	46.4	46.4	45.2	44.3	42.4	40.8	40.0	40.27
39.3	42.8	45.6	46.1	46.8	47.5	48.1	46.6	45.2	44.2	42.0	40.3	39.97
42.4	43.9	47.0	49.0	50.8	53.4	51.8	51.8	50.8	49.7	48.5	47.4	43.39
49.2	49.4	51.4	49.4	48.9	48.4	46.9	45.0	44.5	42.8	40.8	38.6	46.29
35.6	35.3	34.8	37.7	37.4	37.6	38.4	36.0	35.6	35.5	35.2	35.7	35.27
40.8	41.0	43.6	43.5	44.4	43.7	44.2	43.1	42.9	43.3	41.4	40.4	39.40
42.6	44.6	47.1	46.9	48.4	49.0	48.9	48.9	44.4	45.3	44.6	44.9	42.10
51.0	52.0	52.6	52.3	51.5	49.4	52.6	47.8	46.0	44.1	43.6	43.0	46.63
44.6	45.4	46.4	47.8	47.3	48.0	47.6	47.4	45.2	43.6	42.1	40.2	42.64
44.7	44.7	48.8	51.8	53.1	54.4	54.4	49.3	46.5	45.4	43.6	43.7	43.64
44.6	45.8	46.2	46.8	48.0	49.6	49.4	46.7	46.1	44.8	43.2	41.4	44.40
45.2	48.2	49.7	51.5	53.9	53.1	53.0	51.9	51.0	49.5	47.4	46.0	44.62
47.7	46.5	46.3	48.1	48.2	48.2	50.0	47.4	45.2	43.6	43.2	42.4	45.03
46.6	48.7	50.8	51.6	53.2	53.7	53.5	53.7	53.1	49.4	48.7	47.0	47.04
48.4	49.4	52.8	53.3	53.4	54.4	54.2	51.5	51.5	51.1	49.3	48.0	47.42
49.2	50.8	52.5	53.1	55.8	55.5	52.0	52.0	50.8	49.6	49.0	47.4	48.00
51.2	53.7	55.6	56.6	58.5	57.2	56.5	55.6	54.5	53.3	52.4	51.7	51.37
51.7	53.4	56.1	59.7	62.2	62.8	61.8	58.8	56.9	55.5	54.3	52.8	52.88
54.0	54.6	55.0	56.4	56.6	57.2	56.9	54.9	54.3	53.0	50.8	50.0	52.59
51.6	52.0	53.3	57.8	57.9	56.7	57.4	59.1	56.2	53.0	50.7	49.4	52.12
48.5	49.6	52.4	53.3	53.2	53.7	53.2	51.8	51.1	50.0	49.7	49.6	47.91
45.95	47.02	48.54	49.79	50.57	50.73	50.51	49.14	47.84	46.81	45.53	44.47	45.14
51.4	52.2	53.6	55.4	56.2	54.8	53.2	52.4	50.0	49.2	49.0	49.0	50.03
39.7	43.0	42.9	44.5	44.0	46.2	45.0	44.8	42.6	40.4	38.5	38.0	42.00
44.2	45.4	48.8	48.8	52.0	51.6	50.5	50.1	49.6	49.2	49.0	48.7	43.69
55.0	56.4	58.7	59.8	60.4	61.0	62.2	62.3	61.8	55.8	56.0	—	53.11
59.6	59.4	58.8	56.2	56.2	56.2	55.6	54.4	51.3	49.6	48.4	47.4	54.45
52.4	54.0	54.0	54.4	50.7	47.4	45.7	46.3	43.7	43.7	43.8	43.2	46.95
48.1	48.3	52.3	53.5	56.0	57.2	58.5	58.4	56.2	54.5	52.4	51.3	48.14
47.2	48.6	50.4	51.8	52.7	53.5	53.2	52.5	49.8	47.8	46.4	45.4	46.58
47.2	47.6	48.4	49.5	49.6	49.9	51.0	51.4	50.4	49.2	48.5	48.0	45.26
48.6	49.0	48.6	49.2	50.4	50.2	50.8	50.8	48.6	46.8	46.0	43.5	47.64
46.5	48.8	49.8	51.6	52.2	52.5	52.8	51.6	49.6	47.8	46.8	44.9	44.36
50.5	51.8	52.1	55.0	55.7	56.3	57.7	57.2	55.4	52.4	49.8	48.2	48.04
51.5	54.7	59.1	61.3	63.4	65.0	65.8	65.4	64.8	56.8	53.4	54.4	52.84
50.5	51.9	54.3	53.3	54.5	53.7	53.5	51.9	50.0	48.2	46.2	45.4	48.78
53.8	57.1	60.0	60.7	63.0	65.2	65.2	63.4	62.5	55.8	54.6	53.0	51.89
60.6	61.8	65.8	66.8	68.8	65.1	65.6	63.6	61.0	55.7	54.1	53.8	56.38
46.8	48.0	48.2	48.2	48.4	48.0	48.0	47.1	46.8	46.5	45.6	45.8	48.12
50.5	50.8	50.8	50.7	51.0	50.2	50.0	49.4	47.8	45.8	44.5	43.0	47.20
47.8	49.8	52.0	54.0	54.6	54.8	54.5	54.6	52.4	51.5	50.4	49.8	46.30
52.0	52.9	52.0	53.7	53.0	52.0	52.6	51.2	49.4	49.4	48.6	48.0	50.02
51.0	52.6	54.4	55.6	56.0	56.3	56.0	53.7	51.8	49.8	49.0	47.9	49.16
52.3	53.7	56.3	57.8	60.1	60.6	61.2	60.3	58.7	56.8	57.2	56.6	52.08
60.2	61.9	64.1	64.8	63.9	64.3	63.0	61.0	57.5	55.8	51.8	49.9	56.65
54.4	54.8	55.2	56.2	52.6	50.1	50.8	51.4	48.1	46.0	45.0	43.8	48.75
47.3	49.4	49.5	51.0	51.2	51.7	50.7	50.0	49.5	47.6	46.2	45.2	46.67
52.8	55.0	58.5	57.7	59.0	60.1	58.9	60.5	—	56.7	55.5	55.4	52.14
50.84	52.27	53.80	54.67	55.22	55.15	55.08	54.45	52.37	50.34	49.10	47.98	49.09

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	53.8	54.8	53.7	54.2	50.8	49.9	48.7	49.2	50.0	51.0	54.0	57.5
	2	53.4	53.2	50.8	49.3	48.2	47.8	48.0	47.0	47.4	47.0	50.5	54.0
	3	43.5	43.0	41.8	42.0	41.7	41.5	41.0	40.8	40.0	42.3	43.6	43.6
	4	44.3	44.2	44.4	43.9	43.8	43.8	45.4	45.4	46.0	47.0	49.4	51.0
	5	49.0	49.1	48.9	49.0	48.6	48.6	49.0	48.2	48.5	48.2	49.8	51.5
	6	46.8	46.6	45.2	—	—	—	—	—	—	—	—	—
	7	—	—	—	43.7	43.2	42.6	42.1	42.7	43.0	44.8	47.0	50.4
	8	—	—	55.0	54.9	53.6	52.2	51.8	49.0	50.2	51.6	56.2	62.2
	9	55.8	54.4	54.0	53.7	53.8	52.8	51.0	49.6	48.6	49.5	52.1	51.5
	10	46.8	45.8	45.6	45.9	45.7	45.4	45.7	46.0	46.5	47.4	50.0	51.4
	11	48.2	48.7	49.1	49.4	49.0	47.8	48.2	47.0	47.4	47.8	49.8	51.6
	12	45.2	45.4	45.8	45.4	45.0	44.9	45.0	44.7	45.4	44.6	46.8	49.0
	13	50.4	49.3	47.4	—	—	—	—	—	—	—	—	—
	14	—	—	—	49.0	48.6	48.2	47.4	45.2	46.7	47.0	49.4	52.5
	15	56.8	57.0	56.6	56.6	56.2	55.8	55.4	55.1	55.4	56.2	57.3	61.8
	16	53.4	51.0	49.6	48.7	47.0	46.9	47.1	47.4	47.2	48.6	49.6	51.0
	17	45.3	43.8	43.4	43.2	43.0	43.2	43.6	43.0	44.6	45.7	46.3	48.1
	18	49.0	48.8	49.0	49.8	49.6	49.8	50.0	50.1	50.5	52.0	52.6	54.2
	19	53.0	51.8	51.6	51.2	50.8	50.5	49.7	49.2	49.4	51.0	52.8	56.3
	20	53.4	51.8	49.8	—	—	—	—	—	—	—	—	—
	21	—	—	—	45.3	45.0	44.7	45.2	45.5	46.3	47.6	49.4	52.2
	22	49.2	48.4	47.0	46.3	45.5	46.0	44.6	44.8	47.2	47.6	50.0	52.2
	23	53.1	53.2	53.3	53.6	53.0	52.8	51.8	51.4	51.6	52.2	52.8	55.2
	24	50.4	50.4	50.0	49.0	49.2	—	48.5	48.7	49.4	52.0	52.6	52.6
	25	46.5	46.5	46.4	46.8	46.5	46.4	46.5	45.9	46.6	48.6	51.0	51.4
	26	48.7	48.0	46.7	46.6	45.6	44.8	44.0	42.0	45.2	46.8	—	51.4
	27	51.4	51.0	50.9	—	—	—	—	—	—	—	—	—
	28	—	—	—	45.0	44.0	43.2	42.2	42.8	43.5	44.8	46.2	47.0
	29	46.1	46.3	45.8	45.0	45.6	45.4	45.5	45.0	45.2	47.9	49.5	52.2
	30	52.6	52.6	51.8	51.6	51.8	52.1	51.3	50.9	50.8	54.0	55.8	58.8
Hourly Means	49.84	49.40	48.98	48.43	47.88	47.48	47.26	46.79	47.41	48.58	50.58	52.71	
DECEMBER.	1	47.7	46.5	46.3	45.9	44.6	44.2	43.6	43.7	—	—	—	—
	2	45.3	44.9	44.7	44.6	43.6	43.6	43.6	43.6	45.4	46.9	47.9	48.1
	3	48.6	48.6	48.6	48.0	48.6	48.5	47.5	46.3	45.7	46.5	49.0	50.5
	4	46.6	46.2	46.0	—	—	—	—	—	—	—	—	—
	5	—	—	—	43.8	44.0	42.0	41.4	40.4	44.5	45.2	46.8	48.7
	6	48.4	47.0	46.0	45.0	44.7	44.2	43.5	43.2	44.8	46.7	48.5	50.6
	7	48.0	47.0	46.2	44.8	44.3	44.7	44.0	43.0	44.8	46.8	48.8	51.4
	8	54.9	54.9	54.9	54.6	54.5	54.6	54.2	54.0	54.0	56.2	56.5	56.6
	9	47.8	46.9	45.4	44.6	43.0	42.4	41.8	42.8	44.2	46.6	48.4	50.7
	10	47.7	47.2	46.7	46.3	47.2	46.7	45.9	45.8	48.6	50.6	53.5	55.2
	11	57.6	54.9	53.4	—	—	—	—	—	—	—	—	—
	12	—	—	—	56.0	56.3	56.2	56.0	55.4	55.2	56.5	57.4	58.7
	13	51.8	51.4	51.0	50.6	48.4	48.2	48.2	48.2	47.8	48.2	49.2	51.8
	14	50.1	48.4	48.4	49.2	48.0	47.6	47.8	47.6	49.6	51.0	53.6	56.5
	15	59.2	60.4	59.0	58.6	58.8	59.9	60.2	60.5	60.7	62.4	63.9	64.7
	16	53.6	53.2	52.1	51.7	47.9	47.1	—	46.1	48.2	50.4	50.2	49.8
	17	41.4	42.0	41.8	41.6	41.8	41.0	41.2	41.4	43.0	44.2	44.4	45.2
	18	42.6	42.8	42.0	—	—	—	—	—	—	—	—	—
	19	—	—	—	40.4	41.3	41.6	42.0	41.9	—	44.2	46.7	48.2
	20	50.5	49.7	49.2	49.2	49.6	49.4	49.0	49.0	49.4	51.4	52.4	55.0
	21	60.5	53.0	50.8	50.8	50.4	49.7	48.3	47.8	48.3	50.0	52.6	53.0
	22	47.4	47.2	46.2	47.0	47.2	47.4	47.5	47.6	47.8	47.0	47.5	49.0
	23	53.6	53.6	51.8	51.7	52.2	51.8	52.0	52.8	53.4	53.9	55.8	55.2
	24	50.0	49.0	48.2	48.0	48.0	48.2	48.0	48.0	48.4	49.9	50.4	51.6
	25	46.5	46.4	46.2	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	46.4	46.0	46.0	45.8	46.0	47.0	48.4	49.4
	27	47.0	46.8	46.6	46.0	45.7	45.2	44.5	45.8	43.1	47.8	48.2	49.5
	28	47.7	48.2	48.2	48.1	47.6	47.3	46.1	44.5	46.0	48.0	49.4	51.6
	29	52.6	51.8	52.0	51.7	52.0	51.0	50.0	49.6	50.0	50.2	51.4	52.2
	30	53.6	53.2	52.6	52.6	52.0	51.0	49.7	49.7	49.4	50.3	51.3	52.3
	31	—	49.6	49.7	49.7	47.4	46.4	46.3	46.2	49.0	50.4	52.0	53.8
Hourly Means	50.03	49.29	48.67	48.48	47.98	47.62	47.24	47.06	48.41	49.55	50.93	52.28	

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	
58.0	60.1	61.8	62.9	64.2	65.6	62.8	62.1	62.5	57.6	56.4	55.7	56.55
53.3	56.2	57.6	57.0	57.0	56.2	54.6	54.8	51.0	46.0	45.2	43.3	51.20
44.0	47.2	46.8	46.0	48.5	47.6	48.3	48.1	46.9	45.6	43.2	44.6	44.23
55.6	53.8	55.6	54.8	54.8	56.9	54.6	52.8	52.0	51.0	49.7	48.5	49.53
53.2	55.7	54.7	57.8	54.4	57.0	57.4	55.8	53.8	51.8	49.4	49.0	51.60
—	—	—	—	—	—	—	—	—	—	—	—	—
52.8	55.2	57.0	59.6	60.5	62.1	58.6	60.2	59.7	58.1	56.3	55.4	51.40
65.4	69.7	68.8	67.8	64.8	61.0	61.2	59.8	59.4	58.6	57.4	57.4	58.54
53.5	55.0	55.4	55.0	55.9	56.1	56.2	56.6	54.8	52.0	49.2	48.4	53.12
53.4	55.8	57.0	57.7	57.5	57.3	57.0	54.5	54.5	52.6	51.5	50.3	50.89
54.2	56.0	58.0	57.0	56.2	53.2	54.8	54.4	50.2	47.4	45.2	44.9	50.65
52.6	53.2	54.8	57.5	59.2	56.5	55.7	53.2	50.4	50.1	49.6	50.2	49.59
—	—	—	—	—	—	—	—	—	—	—	—	—
55.2	57.4	60.4	61.6	66.5	66.8	64.4	64.2	65.0	62.0	58.1	57.4	55.00
61.4	65.2	69.6	73.4	74.6	70.2	67.6	67.1	64.0	61.0	57.4	54.9	61.11
52.9	51.0	53.0	53.7	54.2	54.5	54.7	53.3	51.4	47.7	45.7	45.2	50.20
48.0	49.7	51.5	52.5	53.4	54.0	52.8	51.0	50.1	48.8	49.0	48.0	47.58
54.0	55.4	57.6	58.6	58.3	60.0	58.8	61.0	58.2	56.7	55.4	54.0	53.89
58.0	61.0	63.6	63.4	63.2	61.6	60.0	56.5	56.8	56.2	55.9	55.4	55.37
—	—	—	—	—	—	—	—	—	—	—	—	—
54.4	55.2	57.8	59.0	58.0	59.2	60.0	55.7	56.5	55.4	52.2	51.4	52.12
52.0	54.4	56.9	58.2	56.7	56.2	55.8	56.0	54.3	53.5	52.8	52.6	51.17
56.0	57.9	58.5	59.3	58.4	57.8	55.6	55.0	53.6	53.0	51.4	51.4	54.25
57.6	58.0	58.6	58.7	55.8	54.3	54.8	56.6	53.7	50.6	47.8	47.2	52.46
53.5	54.1	54.6	54.8	57.0	60.0	56.2	57.3	54.8	53.2	49.5	49.7	50.99
53.6	53.2	54.1	55.4	54.4	55.4	56.2	56.4	54.6	52.6	51.0	51.4	50.35
—	—	—	—	—	—	—	—	—	—	—	—	—
48.0	49.0	50.2	51.0	51.9	52.8	51.5	51.5	50.0	48.5	47.6	46.5	47.94
53.2	54.9	54.8	57.8	59.8	58.6	56.3	—	55.1	54.6	52.0	52.9	50.85
60.4	60.6	61.2	58.8	—	56.6	57.2	56.6	52.2	50.8	47.8	47.4	54.07
54.39	55.96	57.30	58.05	58.21	57.98	57.04	56.42	54.83	52.90	51.03	50.50	52.08
55.2	55.4	52.1	51.3	54.8	54.3	55.1	54.6	55.5	51.7	48.0	46.2	49.83
49.4	49.5	50.4	51.0	50.0	50.4	50.0	50.0	50.0	51.2	49.0	47.3	47.52
49.8	51.2	52.4	50.8	50.7	50.2	50.2	50.0	49.1	47.4	46.8	46.4	48.81
—	—	—	—	—	—	—	—	—	—	—	—	—
51.0	52.8	54.4	55.7	56.6	57.0	56.8	55.8	55.0	53.4	51.0	50.0	49.38
53.0	53.6	55.0	56.8	57.3	57.9	57.9	56.8	54.9	51.2	49.4	48.8	50.22
54.3	57.0	56.4	57.0	58.5	58.5	57.7	56.9	56.3	55.5	54.8	54.8	51.31
57.4	57.4	54.6	55.0	54.4	53.5	54.0	54.6	52.4	51.2	49.4	48.3	54.25
52.2	53.0	54.4	54.8	53.9	53.4	54.6	55.2	57.0	52.0	50.5	49.7	49.39
58.8	60.9	60.8	61.2	61.8	62.3	61.5	62.8	62.8	62.4	59.1	59.2	54.79
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	60.8	61.6	62.6	62.9	62.5	60.1	58.2	56.4	55.8	54.8	53.0	57.47
53.2	53.6	53.6	55.2	55.6	56.3	55.9	55.7	54.8	53.6	52.3	51.6	52.34
58.6	59.2	63.4	62.9	63.6	63.7	63.6	62.8	61.8	60.8	60.8	60.4	55.39
65.0	65.0	65.2	61.0	65.3	63.3	62.1	61.6	60.5	59.7	57.9	54.4	61.22
51.8	51.6	51.2	51.9	49.4	52.3	51.0	51.5	50.6	46.4	45.5	42.8	49.84
45.9	47.4	47.1	47.1	47.0	47.4	49.0	51.0	47.4	45.6	45.0	43.2	44.67
—	—	—	—	—	—	—	—	—	—	—	—	—
51.0	52.2	53.7	54.3	55.0	54.6	54.5	53.5	52.6	51.2	50.8	50.7	48.16
55.2	57.3	60.4	62.4	63.0	63.0	62.4	61.4	62.0	62.0	60.5	60.4	55.57
52.0	51.6	50.2	50.8	51.9	53.0	52.7	51.2	51.3	51.2	48.5	48.0	51.15
50.5	52.3	52.7	52.6	53.7	56.4	56.5	56.2	57.2	55.8	54.0	53.9	50.90
55.0	55.9	55.7	56.7	57.6	59.4	58.0	57.8	55.8	52.4	51.0	50.6	54.28
51.6	54.2	54.0	54.4	52.4	54.3	54.0	53.2	52.3	49.9	48.6	47.2	50.57
—	—	—	—	—	—	—	—	—	—	—	—	—
49.1	50.1	52.2	53.2	54.0	54.6	54.8	52.8	53.2	51.8	48.8	47.8	47.35
51.6	53.2	53.8	54.0	54.0	53.3	53.8	52.8	51.8	50.4	49.3	48.6	49.41
53.5	55.2	58.1	58.0	59.6	60.3	60.5	59.9	58.0	57.2	54.8	53.3	52.55
53.3	53.7	54.5	55.4	54.8	56.6	56.2	56.2	55.4	55.4	54.7	54.2	53.12
51.8	54.2	52.4	54.8	54.5	53.9	53.0	53.0	52.0	51.5	50.2	49.6	52.02
56.0	59.0	60.0	62.4	62.6	61.8	59.5	57.7	58.6	57.2	56.0	55.4	54.20
53.45	54.71	55.20	55.68	56.11	50.45	56.15	55.67	54.99	53.48	51.91	50.95	51.71

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.																		
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.				
Hours of Mean Van Diemen Island Time.		9	11	13	15	17	19	21	23	1	3	5	7					
Humidity of the Air.	JANUARY.	1	68	73	80	83	88	77	66	61	60	60	66	75	71			
		2	71	76	—	—	—	—	—	—	—	—	—	—		62		
		3	—	—	73	77	80	71	60	52	47	38	39	63				
		4	72	66	69	69	70	60	51	45	47	39	49	64			58	
		5	74	76	75	82	81	72	44	36	34	36	36	47			58	
		6	57	63	67	69	69	59	47	39	38	34	49	44			53	
		7	51	55	59	77	58	51	39	45	50	48	56	66			55	
		8	67	68	69	66	65	58	42	43	38	36	40	48			53	
		9	63	66	—	—	—	—	—	—	—	—	—	—			—	48
		10	—	—	55	63	68	44	45	38	36	33	31	34			—	
		11	48	56	56	57	68	52	45	32	39	38	47	53			49	
		12	63	71	70	80	82	66	52	44	45	44	48	67			61	
		13	77	78	87	92	93	69	48	36	55	51	59	71			68	
		14	79	84	71	53	64	53	50	40	49	50	47	64			59	
		15	63	66	69	76	71	60	44	33	41	40	48	42			54	
		16	50	57	—	—	—	—	—	—	—	—	—	—			—	
		17	—	—	68	71	77	67	47	35	36	—	49	45			55	
		18	59	58	56	62	64	58	57	50	43	56	72	80			60	
		19	85	89	92	—	57	60	48	42	43	33	30	56			58	
		20	65	70	67	73	76	58	49	81	35	46	58	72			63	
		21	73	73	81	71	71	54	48	38	38	39	42	56			57	
		22	66	57	52	54	61	56	48	46	41	36	54	55			52	
		23	67	72	—	—	—	—	—	—	—	—	—	—			—	
		24	—	—	73	84	82	69	56	53	52	36	36	55			61	
		25	54	61	60	64	65	63	77	45	35	42	43	46			55	
		26	60	68	68	65	66	62	47	41	39	45	62	62			57	
		27	65	69	76	86	78	62	44	49	53	50	59	77			64	
		28	82	78	84	87	89	88	59	44	40	31	43	61			66	
		29	69	70	71	86	64	52	41	52	44	58	61	65			61	
		30	67	64	—	—	—	—	—	—	—	—	—	—			—	
		31	—	—	69	78	74	72	59	42	41	49	45	61			60	
Hourly Means		66	69	70	73	72	62	51	45	43	43	49	59	58				
Tension of the Vapour.	JANUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.				
		1	.371	.352	.343	.329	.344	.381	.428	.458	.499	.455	.356	.357	.389			
		2	.303	.331	—	—	—	—	—	—	—	—	—	—	—	.337		
		3	—	—	.321	.291	.298	.332	.370	.374	.415	.350	.304	.359	—			
		4	.386	.340	.327	.327	.328	.328	.338	.349	.379	.341	.369	.378	.349			
		5	.379	.351	.324	.339	.334	.384	.313	.323	.341	.364	.353	.343	.346			
		6	.331	.336	.323	.339	.338	.346	.375	.433	.506	.516	.645	.483	.414			
		7	.444	.453	.472	.476	.356	.322	.314	.378	.386	.320	.337	.350	.384			
		8	.328	.334	.339	.319	.312	.334	.311	.358	.342	.334	.336	.312	.330			
		9	.344	.355	—	—	—	—	—	—	—	—	—	—	—			
		10	—	—	.248	.273	.291	.267	.287	.287	.315	.326	.266	.195	.288			
		11	.212	.241	.230	.218	.269	.254	.283	.256	.375	.397	.328	.309	.281			
		12	.308	.328	.292	.311	.309	.324	.334	.367	.403	.397	.398	.386	.346			
		13	.386	.361	.348	.361	.391	.391	.380	.415	.450	.428	.441	.452	.400			
		14	.393	.374	.316	.277	.326	.345	.386	.439	.431	.425	.399	.432	.379			
		15	.325	.332	.343	.378	.338	.350	.317	.300	.415	.422	.374	.312	.351			
		16	.295	.309	—	—	—	—	—	—	—	—	—	—	—			
		17	—	—	.336	.351	.337	.370	.362	.331	.412	—	.517	.377	.363			
		18	.445	.395	.347	.349	.359	.367	.419	.590	.480	.467	.494	.495	.434			
		19	.491	.484	.485	—	.284	.351	.298	.330	.329	.290	.237	.296	.352			
		20	.271	.297	.273	.276	.288	.296	.329	.635	.332	.361	.371	.386	.343			
		21	.380	.356	.382	.315	.306	.289	.342	.367	.398	.386	.325	.344	.349			
		22	.311	.257	.224	.210	.234	.245	.250	.285	.251	.223	.298	.240	.252			
		23	.261	.273	—	—	—	—	—	—	—	—	—	—	—			
		24	—	—	.329	.337	.317	.339	.375	.490	.546	.427	.387	.479	.380			
		25	.408	.402	.368	.357	.363	.378	.399	.276	.216	.269	.266	.232	.328			
		26	.240	.269	.259	.234	.236	.269	.284	.318	.335	.331	.415	.322	.293			
		27	.299	.290	.298	.331	.296	.304	.313	.484	.534	.438	.431	.424	.370			
		28	.434	.372	.368	.390	.405	.423	.386	.395	.409	.312	.367	.367	.386			
		29	.367	.343	.327	.355	.245	.243	.236	.342	.303	.386	.335	.294	.315			
		30	.288	.278	—	—	—	—	—	—	—	—	—	—	—			
31	—	—	.282	.301	.294	.315	.334	.348	.389	.437	.398	.397	.338					
Hourly Means		.346	.339	.327	.322	.315	.329	.337	.382	.392	.376	.375	.358	.350				

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean Van Diemen Island Time.		9	11	13	15	17	19	21	23	1	3	5	7			
Humidity of the Air.	FEBRUARY.	1	68	74	77	55	76	66	57	53	57	68	72	71	66	
		2	94	95	95	93	90	71	57	49	59	78	86	91	80	
		3	96	93	94	96	91	79	67	63	72	82	77	82	83	
		4	79	80	80	74	80	77	59	49	65	71	71	77	72	
		5	82	82	84	86	82	78	60	53	59	58	60	67	71	
		6	85	87	—	—	—	—	—	—	—	—	—	—	—	63
		7	—	—	75	76	76	62	56	46	36	44	51	57		
		8	70	63	72	75	74	67	55	48	63	55	62	76	65	
		9	80	85	90	91	99	74	55	46	91	60	62	80	72	
		10	88	91	87	86	86	82	52	53	52	52	58	72	72	
		11	84	85	93	92	96	84	65	—	58	53	59	76	77	
		12	87	85	86	83	79	81	60	57	54	54	61	78	72	
		13	83	89	—	—	—	—	—	—	—	—	—	—	—	68
		14	—	—	68	86	82	77	53	44	51	56	57	68		
		15	72	70	71	75	72	72	61	48	53	48	59	73	65	
		16	69	81	84	86	87	82	54	44	48	54	61	69	68	
		17	71	79	88	91	90	77	59	43	45	54	38	65	67	
		18	70	72	68	74	78	80	70	53	56	40	53	61	65	
		19	66	61	67	67	79	68	54	45	37	45	53	52	58	
		20	60	63	—	—	—	—	—	—	—	—	—	—	—	70
		21	—	—	86	95	93	91	64	54	52	50	57	72		
		22	86	84	71	69	68	80	74	55	48	44	62	64	67	
		23	61	65	80	—	75	69	81	50	45	45	47	63	62	
		24	78	77	81	86	92	86	61	42	47	45	24	77	66	
		25	85	88	92	82	72	77	56	40	56	67	89	80	74	
		26	84	83	86	91	79	86	89	73	75	79	79	89	83	
		27	95	96	—	—	—	—	—	—	—	—	—	—	—	72
		28	—	—	73	73	76	76	59	59	61	67	66	67		
Hourly Means		79	80	81	82	82	77	62	51	54	57	61	72	70		
Tension of the Vapour.	FEBRUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		
		1	.381	.386	.376	.260	.361	.371	.398	.439	.473	.528	.521	.467	.413	
		2	.545	.524	.506	.471	.412	.387	.366	.374	.399	.436	.440	.440	.442	
		3	.436	.422	.420	.411	.415	.408	.387	.422	.436	.470	.494	.458	.432	
		4	.423	.408	.395	.354	.366	.387	.395	.410	.497	.475	.451	.414	.415	
		5	.414	.401	.405	.391	.372	.382	.366	.381	.384	.363	.352	.348	.380	
		6	.367	.358	—	—	—	—	—	—	—	—	—	—	—	.374
		7	—	—	.327	.316	.314	.319	.344	.353	.375	.501	.518	.391		
		8	.400	.349	.377	.385	.374	.403	.395	.447	.452	.397	.407	.385	.398	
		9	.384	.401	.402	.397	.419	.403	.399	.437	.430	.467	.464	.456	.422	
		10	.449	.471	.460	.456	.456	.472	.409	.433	.503	.515	.479	.473	.465	
		11	.477	.457	.461	.459	.439	.477	.472	—	.486	.475	.438	.437	.462	
		12	.469	.446	.452	.428	.389	.441	.434	.456	.483	.514	.495	.531	.462	
		13	.501	.503	—	—	—	—	—	—	—	—	—	—	—	.366
		14	—	—	.257	.305	.279	.314	.292	.334	.426	.449	.364	.368		
		15	.363	.343	.348	.360	.344	.349	.367	.351	.468	.393	.430	.426	.379	
		16	.368	.383	.359	.357	.342	.379	.350	.353	.472	.488	.498	.507	.405	
		17	.492	.524	.528	.519	.504	.419	.368	.312	.338	.391	.266	.349	.418	
		18	.329	.307	.300	.311	.319	.351	.361	.291	.334	.299	.318	.284	.317	
		19	.263	.236	.237	.226	.252	.265	.260	.278	.283	.335	.356	.278	.272	
		20	.281	.285	—	—	—	—	—	—	—	—	—	—	—	.374
		21	—	—	.384	.383	.360	.415	.402	.404	.416	.378	.391	.388		
		22	.431	.413	.326	.327	.320	.350	.301	.273	.282	.261	.299	.269	.321	
		23	.243	.251	.287	—	.282	.289	.403	.335	.366	.370	.346	.344	.320	
		24	.370	.344	.347	.339	.346	.377	.352	.336	.399	.416	.173	.430	.352	
		25	.424	.384	.399	.399	.387	.410	.445	.410	.462	.433	.483	.409	.420	
		26	.374	.342	.314	.312	.277	.293	.313	.293	.318	.315	.308	.329	.316	
		27	.342	.346	—	—	—	—	—	—	—	—	—	—	—	.289
28	—	—	.276	.265	.271	.280	.262	.281	.288	.304	.298	.257				
Hourly Means		.397	.387	.373	.367	.358	.373	.368	.365	.407	.416	.400	.393	.384		

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. MARCH.	1	74	72	71	70	72	75	67	49	54	60	61	70	66
	2	73	78	83	80	84	85	85	59	51	51	—	67	72
	3	77	88	94	85	84	74	58	60	57	49	55	73	71
	4	81	91	91	98	90	85	61	51	45	39	51	60	70
	5	72	71	64	66	65	64	54	53	63	75	72	86	67
	6	93	92	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	91	94	97	93	76	66	60	60	72	84	82
	8	96	96	84	87	86	78	63	65	62	61	68	67	76
	9	69	71	75	80	84	81	74	54	55	54	55	70	69
	10	83	88	90	97	85	93	68	60	55	51	63	76	71
	11	84	93	95	95	93	93	71	57	50	59	75	82	79
	12	92	87	88	90	92	91	80	69	54	57	74	78	79
	13	82	85	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	79	87	94	94	71	58	51	53	44	73	73
	15	79	80	90	93	94	95	77	58	52	51	56	71	75
	16	71	85	90	95	92	92	72	57	53	54	61	76	75
	17	72	82	85	89	91	86	67	51	43	54	59	69	71
	18	80	67	67	62	58	70	56	66	61	61	75	85	67
	19	90	88	87	89	89	88	63	51	49	55	65	74	74
	20	66	67	—	—	—	—	—	—	—	—	—	—	—
	21	—	—	73	75	78	77	77	65	61	65	64	78	70
	22	87	81	78	80	78	80	72	58	55	37	44	52	67
	23	62	61	64	61	57	66	60	49	48	44	30	76	57
	24	79	86	91	92	90	97	77	59	42	42	38	37	69
	25	78	66	69	61	58	60	56	60	53	47	48	63	60
	26	73	73	76	81	78	76	62	48	43	54	50	61	65
	27	68	73	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	90	92	90	96	80	61	57	55	57	84	75
	29	86	88	93	89	81	89	78	65	63	51	68	77	77
	30	90	85	98	91	93	93	77	56	46	52	55	69	75
	31	82	82	81	85	80	80	62	58	55	58	64	84	73
Hourly Means	77	81	84	83	83	83	69	58	53	54	59	72	71	
Tension of the Vapour. MARCH.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	1	.267	.266	.264	.265	.267	.284	.285	.252	.318	.303	.309	.302	.282
	2	.310	.322	.340	.316	.319	.312	.356	.354	.360	.384	—	.351	.339
	3	.348	.344	.354	.334	.324	.311	.322	.390	.412	.384	.396	.407	.361
	4	.382	.385	.362	.370	.357	.367	.352	.384	.433	.409	.425	.409	.386
	5	.424	.426	.392	.381	.379	.388	.387	.473	.494	.533	.488	.495	.438
	6	.502	.486	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	.461	.447	.458	.471	.484	.466	.493	.453	.424	.437	.465
	8	.483	.483	.385	.358	.330	.317	.317	.318	.312	.275	.301	.274	.346
	9	.271	.273	.284	.299	.312	.325	.330	.310	.342	.334	.306	.309	.308
	10	.332	.326	.305	.324	.274	.313	.303	.346	.367	.358	.357	.363	.331
	11	.346	.348	.338	.323	.301	.331	.326	.340	.359	.388	.411	.401	.351
	12	.438	.398	.401	.402	.408	.419	.417	.411	.382	.369	.383	.368	.400
	13	.357	.355	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	.356	.358	.370	.370	.366	.393	.404	.446	.361	.404	.378
	15	.394	.374	.382	.373	.283	.403	.412	.415	.434	.426	.385	.396	.390
	16	.360	.382	.377	.386	.370	.391	.424	.443	.474	.441	.403	.430	.407
	17	.381	.399	.385	.394	.399	.415	.422	.426	.424	.506	.503	.453	.426
	18	.467	.384	.394	.373	.357	.414	.433	.516	.485	.429	.425	.433	.426
	19	.450	.446	.431	.405	.376	.409	.390	.388	.421	.409	.410	.412	.412
	20	.337	.347	—	—	—	—	—	—	—	—	—	—	—
	21	—	—	.320	.325	.349	.362	.426	.440	.437	.464	.451	.481	.395
	22	.487	.455	.444	.449	.433	.444	.467	.505	.675	.481	.461	.421	.477
	23	.413	.364	.355	.316	.278	.332	.343	.328	.372	.382	.277	.403	.347
	24	.389	.406	.417	.390	.348	.370	.402	.393	.357	.398	.321	.309	.375
	25	.401	.361	.343	.274	.244	.233	.263	.263	.235	.217	.200	.215	.271
	26	.225	.218	.220	.241	.231	.258	.265	.266	.257	.296	.270	.283	.253
	27	.292	.311	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	.336	.326	.300	.320	.346	.345	.374	.385	.307	.388	.336
	29	.378	.369	.390	.391	.343	.365	.363	.390	.443	.394	.421	.422	.389
	30	.424	.383	.416	.380	.383	.393	.412	.398	.433	.433	.420	.388	.402
31	.419	.399	.380	.382	.370	.362	.399	.420	.509	.517	.487	.535	.432	
Hourly Means	.381	.371	.364	.355	.339	.359	.371	.384	.406	.401	.381	.389	.375	

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. APRIL.	1	87	73	83	83	82	82	64	57	55	58	68	76	72
	2	84	95	91	88	88	92	68	63	56	77	78	79	80
	3	79	81	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	74	93	76	90	78	66	73	65	74	78	77
	5	72	74	81	88	78	80	75	74	55	52	55	74	72
	6	76	77	85	93	88	81	80	60	59	61	63	81	75
	7	90	83	85	92	92	85	76	68	60	61	66	75	78
	8	76	71	71	67	72	75	67	55	49	50	56	71	65
	9	76	77	79	83	81	78	68	58	52	51	59	68	69
	10	64	63	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	81	83	84	83	76	63	59	54	64	72	71
	12	75	77	83	95	89	94	76	79	78	77	66	77	81
	13	84	83	90	92	94	95	86	70	66	64	69	78	81
	14	81	82	84	88	88	90	89	81	87	77	86	86	85
	15	91	95	96	94	94	93	86	69	58	56	67	78	81
	16	85	84	80	85	79	81	70	75	69	58	60	69	75
	17	61	66	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	76	78	75	78	73	59	57	60	66	70	68
	19	76	77	73	77	76	75	75	67	64	59	73	70	72
	20	73	79	91	82	66	71	61	44	42	41	51	69	64
	21	64	72	84	94	90	85	81	60	58	62	69	84	75
	22	89	86	86	85	87	92	92	87	83	80	84	91	87
	23	97	98	100	85	98	99	95	81	71	69	81	94	89
	24	94	98	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	97	97	92	100	84	69	64	66	66	71	83
	26	70	77	82	86	96	91	94	77	78	78	75	78	82
	27	78	81	73	77	81	92	84	65	61	53	76	77	75
	28	81	78	86	88	90	90	91	76	63	60	67	81	79
	29	87	84	87	89	81	81	78	67	60	69	82	85	79
	30	81	84	90	94	93	94	86	76	63	65	70	78	81
Hourly Means	80	81	84	87	85	86	79	68	63	62	69	77	77	
Tension of the Vapour. APRIL.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	1	.489	.356	.368	.354	.324	.308	.287	.301	.314	.304	.313	.319	.336
	2	.320	.332	.306	.284	.278	.286	.287	.345	.355	.376	.349	.318	.320
	3	.308	.292	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	.197	.231	.198	.240	.266	.275	.314	.291	.282	.267	.263
	5	.240	.224	.236	.259	.250	.264	.286	.332	.324	.303	.289	.317	.277
	6	.315	.306	.305	.313	.284	.269	.333	.340	.316	.282	.221	.229	.293
	7	.242	.225	.219	.220	.223	.219	.225	.248	.254	.265	.254	.276	.239
	8	.298	.303	.310	.295	.306	.317	.328	.319	.320	.315	.315	.330	.313
	9	.338	.340	.334	.347	.328	.332	.359	.367	.367	.378	.367	.374	.353
	10	.355	.331	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	.236	.236	.227	.224	.246	.244	.253	.222	.226	.218	.252
	12	.212	.218	.196	.221	.203	.249	.315	.228	.269	.276	.226	.237	.238
	13	.251	.236	.240	.227	.226	.231	.239	.246	.280	.267	.256	.267	.247
	14	.279	.279	.285	.287	.281	.295	.334	.348	.405	.392	.347	.315	.321
	15	.307	.306	.289	.285	.283	.270	.285	.283	.280	.273	.282	.287	.286
	16	.292	.293	.287	.290	.278	.309	.317	.364	.397	.372	.310	.311	.318
	17	.247	.259	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	.253	.257	.248	.261	.280	.284	.282	.281	.275	.277	.267
	19	.293	.294	.273	.284	.285	.276	.300	.357	.388	.384	.411	.382	.327
	20	.379	.390	.349	.301	.234	.244	.237	.198	.195	.186	.189	.217	.260
	21	.203	.199	.213	.229	.212	.201	.236	.242	.274	.301	.298	.302	.243
	22	.293	.298	.298	.309	.307	.326	.335	.369	.387	.400	.382	.373	.340
	23	.378	.386	.390	.349	.358	.334	.359	.412	.400	.402	.393	.415	.381
	24	.391	.401	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	.373	.373	.317	.330	.327	.332	.354	.350	.321	.328	.350
	26	.310	.318	.324	.331	.374	.343	.365	.346	.340	.322	.294	.287	.330
	27	.287	.293	.258	.254	.273	.273	.289	.293	.273	.247	.312	.276	.277
	28	.281	.256	.248	.238	.228	.226	.245	.279	.282	.295	.281	.291	.263
	29	.292	.286	.281	.296	.273	.290	.332	.358	.375	.412	.429	.430	.338
30	.420	.407	.431	.419	.402	.393	.424	.458	.461	.470	.439	.440	.430	
Hourly Means	.309	.301	.288	.288	.277	.281	.301	.314	.325	.322	.310	.311	.302	

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.																																													
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.																															
Hours of Mean Van Diemen Island Time.		9	11	13	15	17	19	21	23	1	3	5	7																																
Humidity of the Air.	MAY.	1	82	80	—	—	—	—	—	—	—	—	—	—	86																														
		2	—	—	97	96	100	100	90	83	64	74	78	82		77																													
		3	79	88	91	88	87	88	78	66	62	59	65	69			77																												
		4	75	77	75	88	88	88	80	68	71	66	72	75				84																											
		5	90	89	89	83	94	86	85	81	72	77	82	79					78																										
		6	84	80	81	83	81	86	82	75	66	65	75	79						84																									
		7	88	90	—	87	90	94	97	81	66	71	81	83							79																								
		8	90	88	—	—	—	—	—	—	—	—	—	—								81																							
		9	—	—	72	81	80	86	81	66	77	76	73	78									79																						
		10	81	83	78	81	83	85	83	67	85	81	79	83										81																					
		11	81	84	80	76	83	85	86	80	73	67	66	83											79																				
		12	82	82	84	80	83	83	82	79	70	72	81	87												80																			
		13	89	86	86	86	85	90	89	79	76	77	80	82													84																		
		14	95	94	94	94	91	94	90	83	77	81	84	86														89																	
		15	95	91	—	—	—	—	—	—	—	—	—	—															90																
		16	—	—	94	100	98	100	99	86	71	76	85	89																84															
		17	93	93	90	88	93	88	88	68	72	71	75	83																	89														
		18	84	88	91	93	92	89	86	87	81	87	92	92																		83													
		19	89	82	83	81	88	94	89	75	71	72	84	—																			89												
		20	87	100	95	95	96	93	92	80	78	79	78	89																				93											
		21	98	94	98	100	99	100	98	90	75	81	92	95																					94										
		22	100	100	—	—	—	—	—	—	—	—	—	—																						89									
		23	—	—	95	97	96	99	98	92	83	84	94	95																							89								
		24	97	98	96	88	100	100	97	82	65	70	88	89																								92							
		25	96	95	95	94	95	95	95	88	85	83	90	96																									86						
		26	89	88	90	90	91	96	95	81	72	76	81	85																										88					
		27	81	90	90	92	94	94	96	82	85	84	89	81																											83				
		28	88	87	83	83	87	86	83	78	75	71	88	85																												88			
		29	86	88	—	—	—	—	—	—	—	—	—	—																													89		
		30	—	—	98	95	92	94	82	75	82	83	87	89																														89	
		31	95	93	93	91	95	96	90	82	79	83	83	89																															85
Hourly Means		88	89	89	89	91	92	89	79	74	76	82	85	85																															
Tension of the Vapour.	MAY.	1	In. .432	In. .400	—	—	—	—	—	—	—	—	—	—	.411																														
		2	—	—	.360	.347	.342	.337	.364	.446	.462	.504	.484	.456		.365																													
		3	.414	.423	.408	.395	.399	.407	.395	.362	.340	.320	.256	.261			.273																												
		4	.255	.252	.229	.250	.251	.247	.267	.277	.333	.322	.306	.288				.284	.299																										
		5	.322	.298	.293	.261	.292	.283	.309	.335	.352	.314	.313	.284				.283		.281																									
		6	.293	.289	.288	.293	.288	.293	.303	.331	.310	.305	.317	.283				.293			.261																								
		7	.285	.277	—	.248	.242	.240	.292	.293	.294	.313	.316	.293				.281				.279																							
		8	.292	.283	—	—	—	—	—	—	—	—	—	—				.261					.315																						
		9	—	—	.271	.283	.262	.247	.249	.239	.266	.270	.232	.232				.232						.296																					
		10	.243	.242	.226	.236	.243	.268	.290	.253	.340	.355	.328	.329				.329							.313																				
		11	.313	.315	.293	.270	.290	.305	.326	.359	.371	.363	.285	.286				.286								.296																			
		12	.282	.289	.271	.264	.268	.259	.296	.345	.342	.312	.308	.319				.296									.313																		
		13	.329	.322	.317	.290	.276	.266	.323	.356	.361	.354	.303	.256				.313										.285																	
		14	.284	.271	.275	.267	.258	.255	.270	.301	.314	.325	.301	.295				.285											.322																
		15	.307	.290	—	—	—	—	—	—	—	—	—	—				.322												.296															
		16	—	—	.299	.313	.325	.332	.340	.349	.332	.359	.328	.288				.288													.308														
		17	.271	.268	.263	.264	.277	.260	.297	.309	.363	.353	.317	.315				.315														.239													
		18	.313	.318	.322	.331	.321	.320	.335	.321	.287	.281	.278	.271				.308															.317												
		19	.264	.242	.235	.223	.226	.227	.236	.237	.257	.254	.231	—				.239																.317											
		20	.199	.220	.217	.217	.213	.203	.238	.251	.292	.306	.245	.240				.237																	.317										
		21	.242	.224	.224	.222	.212	.211	.242	.256	.250	.272	.273	.240				.239																		.317									
		22	.254	.259	—	—	—	—	—	—	—	—	—	—				.317																			.319								
		23	—	—	.301	.304	.302	.304	.328	.354	.343	.346	.359	.346				.317																				.330							
		24	.330	.331	.314	.273	.318	.318	.337	.331	.291	.315	.342	.333				.319																					.313						
		25	.324	.314	.316	.314	.304	.311	.325	.344	.364	.352	.343	.345				.330																						.275					
		26	.325	.318	.313	.307	.305	.275	.313	.324	.334	.342	.313	.288				.313																							.249				
		27	.256	.261	.266	.263	.257	.247	.296	.297	.269	.268	.340	.284				.275																								.258			
		28	.285	.261	.247	.251	.242	.233	.243	.266	.277	.228	.236	.222				.249																									.297		
		29	.222	.213	—	—	—	—	—	—	—	—	—	—				—																										.297	
		30	—	—	.243	.233	.218	.229	.224	.255	.300	.331	.321	.308				.258																											.297
		31	.328	.309	.309	.297	.310	.315	.313	.324	.374	.400	.339	.334				.329																											
Hourly Means		.295	.288	.284	.278	.279	.277	.298	.312	.324	.326	.308	.296	.297																															

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean Van Diemen Island Time.		9	11	13	15	17	19	21	23	1	3	5	7			
Humidity of the Air.	JUNE.	1	89	92	82	83	90	89	95	90	76	73	87	84	86	
		2	83	90	94	96	94	95	94	85	79	74	85	94	89	
		3	94	88	97	100	100	100	90	91	96	81	89	98	100	94
		4	100	100	94	100	94	100	100	100	91	76	76	77	90	92
		5	84	89	—	—	—	—	—	—	—	—	—	—	—	86
		6	—	—	80	81	88	100	97	87	87	76	78	78	94	83
		7	86	86	82	83	86	83	84	83	83	73	75	84	89	83
		8	90	97	96	93	75	80	81	80	80	75	74	81	79	83
		9	87	84	86	73	84	88	90	73	71	78	78	76	91	82
		10	100	93	93	91	98	84	84	82	74	80	81	90	90	88
		11	90	88	90	90	88	100	94	80	81	77	83	85	85	87
		12	84	81	—	—	—	—	—	—	—	—	—	—	—	84
		13	—	—	86	88	87	86	91	80	83	79	81	86	86	85
		14	86	84	89	88	90	88	89	81	77	78	79	86	96	92
		15	85	96	96	95	95	100	100	83	84	84	86	96	83	85
		16	100	94	94	89	80	84	84	78	77	75	80	83	96	91
		17	85	84	87	85	90	94	100	97	95	89	94	96	85	92
		18	100	92	98	100	99	96	90	88	87	87	82	82	85	92
		19	91	92	—	—	—	—	—	—	—	—	—	—	—	88
		20	—	—	90	94	98	96	77	81	81	78	93	87	87	88
		21	82	87	88	88	85	85	84	81	82	89	82	91	91	85
		22	84	88	90	96	100	100	87	76	80	72	79	83	83	86
		23	87	88	86	88	94	90	92	84	83	77	89	95	95	88
		24	86	91	86	98	100	98	97	80	75	75	78	78	78	87
		25	88	87	89	84	85	90	91	82	78	79	76	79	79	84
		26	85	85	—	—	—	—	—	—	—	—	—	—	—	80
		27	—	—	82	84	86	88	81	77	75	73	71	77	77	85
		28	81	79	88	83	91	91	96	87	77	77	84	83	83	91
		29	93	90	94	93	96	98	93	88	88	69	89	99	99	91
		30	90	79	88	93	95	98	86	87	81	82	84	88	88	88
Hourly Means		89	89	89	90	91	92	90	84	79	78	83	88	87		
Tension of the Vapour.	JUNE.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		
		1	·329	·326	·287	·278	·302	·293	·343	·363	·386	·404	·343	·278	·328	
		2	·249	·253	·242	·230	·218	·207	·240	·268	·308	·304	·287	·283	·257	
		3	·274	·254	·264	·266	·264	·229	·249	·296	·276	·285	·307	·306	·273	
		4	·306	·318	·286	·278	·259	·268	·301	·347	·365	·374	·317	·331	·313	
		5	·264	·273	—	—	—	—	—	—	—	—	—	—	—	273
		6	—	—	·258	·264	·266	·274	·279	·304	·293	·291	·240	·273	—	
		7	·250	·243	·227	·225	·233	·222	·278	·291	·309	·314	·299	·300	·266	
		8	·302	·326	·321	·281	·208	·211	·230	·261	·271	·252	·234	·215	·259	
		9	·201	·226	·241	·206	·193	·191	·222	·221	·227	·249	·202	·208	·216	
		10	·214	·189	·189	·185	·199	·185	·213	·248	·272	·303	·259	·240	·225	
		11	·261	·248	·238	·238	·229	·259	·277	·293	·341	·333	·318	·302	·278	
		12	·265	·227	—	—	—	—	—	—	—	—	—	—	—	271
		13	—	—	·258	·255	·253	·235	·268	·264	·329	·316	·294	·283	—	
		14	·269	·259	·267	·251	·251	·241	·261	·314	·362	·355	·322	·339	·291	
		15	·326	·354	·336	·304	·284	·284	·315	·290	·304	·322	·281	·275	·306	
		16	·284	·270	·277	·273	·274	·311	·327	·303	·286	·270	·269	·272	·285	
		17	·278	·275	·278	·267	·274	·277	·295	·298	·305	·277	·283	·280	·282	
		18	·274	·242	·234	·236	·231	·228	·241	·294	·353	·353	·308	·316	·276	
		19	·324	·326	—	—	—	—	—	—	—	—	—	—	—	318
		20	—	—	·366	·354	·365	·354	·295	·302	·308	·276	·284	·265	—	
		21	·261	·263	·274	·284	·261	·249	·264	·277	·288	·293	·256	·266	·270	
		22	·258	·249	·238	·244	·253	·274	·263	·258	·292	·266	·249	·233	·256	
		23	·222	·237	·233	·231	·240	·235	·257	·271	·289	·275	·283	·291	·255	
		24	·247	·230	·216	·223	·232	·230	·254	·256	·276	·303	·281	·272	·252	
		25	·287	·265	·273	·267	·272	·277	·290	·317	·349	·365	·325	·336	·302	
		26	·353	·338	—	—	—	—	—	—	—	—	—	—	—	285
		27	—	—	·242	·236	·255	·268	·297	·338	·341	·309	·228	·220	—	
		28	·213	·189	·210	·203	·195	·191	·207	·222	·242	·248	·240	·228	·216	
		29	·241	·229	·227	·231	·217	·232	·249	·259	·281	·233	·272	·290	·247	
30	·252	·215	·217	·203	·194	·195	·208	·246	·276	·274	·231	·220	·228			
Hourly Means		·269	·263	·258	·251	·247	·247	·266	·285	·305	·302	·277	·274	·270		

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. JULY.	1	91	100	92	95	90	95	100	81	75	78	81	94	89
	2	92	100	94	92	95	92	98	96	82	83	85	90	92
	3	89	94	—	—	—	—	—	—	—	—	—	—	92
	4	—	—	96	100	100	100	100	89	81	77	82	98	91
	5	94	94	97	100	100	100	100	89	77	75	75	92	93
	6	100	100	97	95	98	100	97	92	82	76	81	97	95
	7	96	87	94	100	93	91	97	95	94	98	95	98	92
	8	100	100	100	97	97	100	93	89	78	83	81	91	88
	9	94	82	98	91	97	100	91	81	77	78	84	88	87
	10	87	85	—	—	—	—	—	—	—	—	—	—	84
	11	—	—	92	92	94	96	98	95	68	77	86	79	86
	12	88	84	91	89	88	100	90	76	73	74	73	87	84
	13	87	87	89	93	84	92	89	86	82	78	79	84	86
	14	85	84	84	91	89	83	82	77	81	78	82	86	84
	15	98	90	94	82	87	93	89	85	83	83	85	89	88
	16	91	91	94	92	94	94	90	86	81	79	82	85	88
	17	89	91	—	—	—	—	—	—	—	—	—	—	90
	18	—	—	97	100	98	100	100	75	69	74	94	87	84
	19	87	81	86	89	90	88	87	87	77	76	81	83	86
	20	87	88	95	96	100	92	86	83	70	73	80	85	84
	21	87	85	89	80	89	88	85	78	80	76	83	89	87
	22	89	87	94	84	92	95	90	82	74	75	82	95	86
	23	94	88	87	91	86	94	84	81	74	83	83	88	87
	24	89	88	—	—	—	—	—	—	—	—	—	—	83
	25	—	—	91	83	87	89	92	98	82	84	81	76	91
	26	77	84	84	79	88	92	93	77	76	80	82	82	90
	27	96	91	95	96	99	96	97	88	76	84	82	92	92
	28	96	94	99	96	92	95	93	86	78	74	80	95	92
	29	100	90	100	96	100	100	94	94	82	74	81	90	92
	30	100	95	100	94	91	92	91	81	85	77	80	85	89
	31 ^a	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	92	90	93	92	93	95	93	86	78	79	82	89	88	
Tension of the Vapour. JULY.	1	In. .227	In. .232	In. .197	In. .205	In. .193	In. .200	In. .253	In. .259	In. .261	In. .258	In. .225	In. .229	In. .228
	2	.212	.227	.227	.227	.242	.231	.272	.296	.324	.332	.304	.287	.265
	3	.279	.284	—	—	—	—	—	—	—	—	—	—	.236
	4	—	—	.224	.220	.214	.212	.227	.235	.248	.249	.214	.224	.207
	5	.205	.199	.197	.191	.189	.191	.212	.233	.235	.230	.197	.205	.210
	6	.207	.196	.185	.181	.182	.191	.197	.229	.255	.245	.216	.237	.240
	7	.235	.198	.218	.238	.225	.222	.244	.251	.257	.271	.269	.256	.256
	8	.250	.236	.245	.238	.237	.238	.238	.283	.289	.306	.257	.258	.262
	9	.254	.217	.242	.230	.235	.245	.258	.283	.297	.302	.298	.287	.274
	10	.285	.277	—	—	—	—	—	—	—	—	—	—	.243
	11	—	—	.281	.253	.238	.230	.251	.309	.302	.322	.293	.250	.262
	12	.268	.244	.250	.242	.226	.243	.241	.248	.262	.267	.208	.213	.255
	13	.224	.211	.219	.232	.224	.230	.256	.295	.333	.339	.285	.296	.260
	14	.287	.275	.261	.270	.263	.236	.239	.262	.270	.256	.228	.218	.293
	15	.249	.213	.215	.181	.199	.232	.259	.302	.343	.339	.300	.285	.253
	16	.281	.275	.277	.267	.269	.262	.270	.309	.346	.363	.308	.290	.231
	17	.278	.268	—	—	—	—	—	—	—	—	—	—	.205
	18	—	—	.264	.251	.233	.227	.262	.245	.278	.267	.240	.222	.205
	19	.218	.215	.222	.219	.220	.219	.288	.259	.243	.228	.245	.196	.231
	20	.197	.192	.192	.197	.196	.175	.186	.214	.216	.230	.233	.227	.205
	21	.216	.206	.205	.183	.190	.195	.206	.219	.244	.242	.235	.235	.215
	22	.236	.231	.234	.198	.205	.205	.212	.213	.222	.237	.222	.226	.220
	23	.215	.197	.189	.195	.188	.201	.203	.253	.267	.299	.285	.285	.231
	24	.309	.299	—	—	—	—	—	—	—	—	—	—	.225
	25	—	—	.201	.185	.199	.200	.215	.233	.229	.227	.209	.191	.216
	26	.194	.213	.210	.184	.192	.197	.218	.227	.248	.266	.247	.198	.197
	27	.206	.187	.187	.183	.183	.168	.185	.205	.209	.227	.210	.215	.238
	28	.228	.222	.230	.229	.215	.221	.234	.255	.277	.267	.237	.236	.227
	29	.245	.213	.220	.202	.204	.202	.205	.236	.267	.251	.238	.241	.296
	30	.277	.261	.278	.268	.260	.261	.272	.301	.374	.349	.328	.326	—
	31 ^a	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	.242	.230	.226	.218	.216	.217	.235	.256	.273	.276	.251	.244	.240	

^a For these two observations, see August.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air.	JULY 31	83	90	—	—	—	—	—	—	—	—	—	87	
	1	—	—	91	89	93	100	88	94	79	74	80	83	88
	2	92	98	95	96	98	92	92	88	78	82	76	74	82
	3	80	84	88	89	95	95	83	68	68	71	78	84	80
	4	—	80	79	82	84	87	74	81	71	76	80	90	89
	5	92	87	92	94	91	97	89	82	80	84	86	91	84
	6	85	90	89	86	85	91	87	85	70	81	81	83	86
	7	83	80	—	—	—	—	—	—	—	—	—	—	85
	8	—	—	93	94	99	93	95	84	72	70	81	85	81
	9	91	100	93	98	89	93	90	75	71	65	72	81	80
	10	83	86	85	94	89	91	82	72	67	66	64	77	81
	11	79	81	89	88	89	88	91	76	70	66	72	83	81
	12	80	81	93	84	87	88	78	73	74	74	77	77	81
	13	83	78	82	82	84	83	81	68	71	72	81	87	79
	14	89	90	—	—	—	—	—	—	—	—	—	—	88
	15	—	—	91	88	—	91	88	90	81	78	85	91	78
	16	84	85	70	87	92	86	88	72	60	66	70	80	75
	17	82	79	83	81	82	85	78	74	65	56	60	74	73
	18	76	74	79	76	81	84	76	69	64	61	64	72	77
	19	77	76	85	88	89	89	74	63	69	62	71	75	72
	20	80	79	80	81	82	76	73	67	56	55	60	74	79
	21	76	80	—	—	—	—	—	—	—	—	—	—	75
	22	—	—	75	80	90	80	82	76	76	69	78	80	75
	23	90	90	91	94	93	75	58	29	61	76	73	70	74
	24	71	76	79	81	84	90	79	70	55	57	68	72	74
	25	76	79	81	87	86	93	83	62	58	54	64	64	74
	26	84	86	86	87	89	93	80	70	57	45	52	65	75
	27	74	75	83	81	83	89	86	69	57	51	67	86	75
	28	94	92	—	—	—	—	—	—	—	—	—	—	78
	29	—	—	87	84	80	77	73	70	60	66	68	80	79
	30	84	85	84	88	86	92	81	67	62	62	73	87	82
31	89	91	94	92	95	97	94	72	57	55	66	78	80	
Hourly Means	83	84	86	87	88	89	82	73	67	66	72	79	80	
Tension of the Vapour.	JULY 31	In. .290	In. .297	—	—	—	—	—	—	—	—	—	.247	
	1	—	—	.207	.197	.190	.205	.230	.289	.281	.286	.263	.228	.254
	2	.215	.214	.217	.217	.224	.230	.243	.299	.320	.334	.279	.256	.238
	3	.261	.261	.268	.243	.254	.245	.238	.237	.235	.213	.208	.196	.197
	4	—	.185	.183	.183	.183	.183	.194	.229	.192	.219	.202	.210	.239
	5	.215	.210	.221	.228	.221	.231	.253	.255	.265	.265	.252	.248	.240
	6	.228	.238	.240	.225	.222	.240	.258	.272	.239	.254	.229	.229	.216
	7	.225	.218	—	—	—	—	—	—	—	—	—	—	.222
	8	—	—	.224	.217	.212	.180	.208	.220	.222	.234	.224	.208	.260
	9	.208	.219	.202	.217	.203	.203	.218	.225	.239	.250	.238	.244	.253
	10	.243	.247	.233	.260	.235	.240	.267	.289	.323	.302	.238	.240	.260
	11	.242	.236	.249	.238	.232	.221	.252	.263	.290	.290	.261	.256	.260
	12	.245	.236	.243	.222	.224	.233	.247	.293	.309	.310	.278	.276	.249
	13	.278	.257	.256	.232	.236	.243	.259	.260	.259	.239	.232	.233	.271
	14	.235	.235	—	—	—	—	—	—	—	—	—	—	.246
	15	—	—	.228	.270	—	.302	.287	.225	.305	.302	.290	.297	.251
	16	.267	.267	.199	.218	.243	.211	.258	.264	.252	.275	.243	.259	.241
	17	.253	.232	.241	.229	.226	.230	.250	.282	.299	.270	.246	.256	.281
	18	.247	.225	.232	.244	.264	.264	.258	.268	.242	.239	.206	.204	.276
	19	.216	.220	.251	.278	.287	.300	.302	.306	.338	.312	.292	.281	.291
	20	.286	.274	.269	.267	.266	.250	.280	.291	.281	.280	.278	.285	.269
	21	.267	.266	—	—	—	—	—	—	—	—	—	—	.234
	22	—	—	.299	.328	.350	.284	.267	.288	.317	.281	.279	.264	.215
	23	.291	.281	.279	.271	.281	.276	.266	.156	.316	.326	.265	.219	.251
	24	.218	.221	.222	.226	.231	.238	.252	.264	.245	.238	.231	.221	.200
	25	.215	.217	.208	.213	.202	.209	.227	.214	.224	.213	.230	.204	.273
	26	.253	.247	.237	.234	.233	.238	.261	.297	.299	.231	.227	.249	.288
	27	.243	.229	.225	.208	.197	.203	.207	.196	.174	.157	.168	.196	.271
	28	.205	.205	—	—	—	—	—	—	—	—	—	—	.288
	29	—	—	.274	.273	.268	.266	.280	.306	.304	.324	.285	.287	.271
	30	.283	.288	.278	.278	.269	.277	.290	.293	.306	.293	.289	.316	.269
31	.297	.290	.259	.250	.245	.244	.270	.280	.275	.270	.279	.289	.234	
Hourly Means	.247	.241	.239	.240	.238	.239	.253	.262	.272	.267	.249	.246	.249	

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7			
Humidity of the Air. SEPTEMBER.	1	86	84	90	88	94	98	85	68	51	45	61	69	77	
	2	68	71	82	74	82	77	68	49	50	54	53	68	66	
	3	70	75	79	78	82	82	78	71	47	57	63	77	72	
	4	85	82	—	—	—	—	—	—	—	—	—	—	—	82
	5	—	—	91	88	90	95	89	73	65	60	78	83	—	75
	6	83	84	89	92	91	92	75	56	51	50	64	75	76	
	7	78	82	84	82	91	97	82	62	52	55	68	79	82	
	8	91	93	95	96	94	100	88	71	53	57	68	78	77	
	9	90	89	98	96	98	95	71	59	52	50	59	63	72	
	10	73	77	72	77	83	83	76	69	53	45	82	73	—	
	11	68	67	—	—	—	—	—	—	—	—	—	—	73	
	12	—	—	72	78	87	84	64	59	61	79	72	84	—	
	13	81	78	83	80	86	82	72	63	59	65	71	81	75	
	14	87	95	92	91	88	90	73	60	45	48	48	74	74	
	15	73	66	64	71	65	65	54	50	64	75	56	70	64	
	16	74	77	78	76	66	89	66	50	45	44	59	66	66	
	17	78	88	84	74	—	70	68	69	60	58	44	56	68	
	18	63	67	—	—	—	—	—	—	—	—	—	—	—	
	19	—	—	82	74	69	64	49	52	52	52	66	76	64	
	20	81	92	94	94	94	96	74	58	48	44	53	63	74	
	21	71	74	81	91	87	80	60	43	35	55	46	76	67	
	22	78	88	82	74	86	92	95	81	70	73	84	75	82	
	23	86	84	91	86	91	83	68	65	54	52	76	84	77	
	24	92	89	85	94	95	100	88	64	64	62	81	91	84	
	25	97	96	—	—	—	—	—	—	—	—	—	—	84	
	26	—	—	100	100	96	96	82	63	64	57	70	85	—	
	27	88	89	98	98	90	84	70	61	59	57	69	79	79	
	28	90	90	76	73	73	73	61	57	62	64	75	80	73	
	29	94	93	95	88	89	83	86	76	55	38	54	62	76	
	30	64	71	71	75	88	75	71	55	59	62	69	82	70	
Hourly Means	80	82	85	84	86	86	74	62	55	56	65	75	74		
Tension of the Vapour. SEPTEMBER.	1	.289	.253	.262	.238	.236	.251	.272	.287	.251	.238	.277	.279	.261	
	2	.258	.242	.279	.273	.294	.295	.300	.222	.231	.210	.188	.231	.252	
	3	.191	.190	.195	.186	.195	.207	.218	.227	.231	.256	.248	.252	.216	
	4	.269	.252	—	—	—	—	—	—	—	—	—	—	—	.255
	5	—	—	.245	.233	.229	.231	.277	.297	.261	.244	.260	.261	—	
	6	.254	.243	.253	.261	.250	.255	.247	.212	.202	.193	.213	.218	.233	
	7	.216	.220	.212	.186	.189	.202	.221	.207	.206	.225	.233	.220	.211	
	8	.213	.208	.196	.194	.182	.198	.222	.251	.225	.246	.241	.229	.217	
	9	.234	.217	.223	.209	.209	.224	.221	.239	.261	.268	.281	.266	.238	
	10	.283	.275	.250	.256	.274	.288	.302	.312	.244	.207	.263	.211	.264	
	11	.183	.174	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	.150	.158	.167	.171	.158	.145	.165	.202	.168	.185	—	
	13	.181	.177	.191	.183	.194	.198	.208	.218	.215	.227	.226	.229	.204	
	14	.218	.224	.212	.206	.201	.219	.225	.242	.220	.232	.189	.246	.220	
	15	.245	.227	.214	.244	.226	.243	.270	.278	.299	.239	.225	.230	.245	
	16	.228	.222	.208	.200	.172	.232	.232	.213	.208	.208	.220	.211	.213	
	17	.202	.219	.206	.188	—	.189	.237	.282	.312	.324	.200	.202	.233	
	18	.219	.224	—	—	—	—	—	—	—	—	—	—	—	
	19	—	—	.240	.227	.212	.205	.197	.216	.231	.247	.245	.238	—	
	20	.224	.231	.225	.213	.211	.253	.252	.266	.285	.264	.268	.254	.246	
	21	.241	.240	.235	.250	.256	.263	.249	.194	.184	.263	.170	.238	.232	
	22	.230	.262	.252	.230	.250	.273	.307	.330	.338	.349	.365	.293	.290	
	23	.297	.269	.270	.243	.231	.228	.278	.319	.298	.302	.329	.318	.282	
	24	.315	.287	.259	.257	.256	.290	.324	.313	.354	.301	.328	.326	.301	
	25	.336	.339	—	—	—	—	—	—	—	—	—	—	—	
	26	—	—	.301	.312	.318	.328	.336	.354	.395	.346	.353	.359	.340	
	27	.358	.314	.327	.327	.310	.317	.318	.351	.440	.426	.384	.371	.354	
	28	.372	.351	.325	.300	.297	.304	.326	.327	.362	.371	.362	.328	.335	
	29	.348	.337	.335	.330	.324	.326	.349	.352	.362	.293	.330	.287	.331	
	30	.273	.265	.242	.239	.246	.235	.284	.288	.307	.318	.307	.319	.277	
Hourly Means	.257	.249	.243	.236	.237	.247	.263	.267	.273	.269	.264	.262	.256		

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. OCTOBER.	1	88	—	85	90	94	86	72	48	60	71	84	89	79
	2	96	90	—	—	—	—	—	—	—	—	—	—	66
	3	—	—	61	75	78	77	62	45	43	49	51	60	68
	4	73	71	73	76	78	74	57	55	68	54	66	75	70
	5	72	72	73	71	76	79	75	59	55	62	72	68	65
	6	74	69	76	—	74	73	63	57	51	49	56	68	68
	7	71	69	71	75	75	74	64	51	60	65	64	77	70
	8	74	74	81	81	78	78	74	68	55	52	59	65	73
	9	72	74	—	—	—	—	—	—	—	—	—	—	75
	10	—	—	73	81	80	85	70	67	62	63	70	82	76
	11	83	81	87	86	92	86	70	56	54	59	64	81	77
	12	81	90	98	91	94	81	69	54	53	53	60	83	74
	13	76	92	89	94	98	100	74	60	51	54	66	73	77
	14	80	91	89	94	92	78	65	51	53	64	63	72	77
	15	86	94	—	95	100	92	69	64	57	58	67	68	74
	16	74	68	—	—	—	—	—	—	—	—	—	—	77
	17	—	—	85	86	83	78	74	63	71	62	65	78	80
	18	87	94	97	86	91	76	70	62	48	49	57	54	73
	19	63	66	65	64	67	64	61	62	50	54	65	84	64
	20	88	79	88	93	85	89	86	82	77	90	91	88	86
	21	94	92	91	89	91	82	76	68	71	65	63	74	80
	22	80	88	93	94	96	86	76	58	58	56	66	74	77
	23	84	86	—	—	—	—	—	—	—	—	—	—	80
	24	—	—	98	96	98	95	70	61	62	64	63	78	73
	25	78	79	85	91	—	95	66	60	56	56	58	73	69
	26	81	85	—	97	98	86	59	50	41	45	50	62	67
	27	55	59	79	82	87	79	61	47	50	62	68	70	60
	28	66	64	65	70	70	68	63	51	51	40	50	67	60
	29	72	72	71	73	74	62	48	47	45	49	45	63	70
	30	70	75	—	—	—	—	—	—	—	—	—	—	70
	31	—	—	86	90	89	87	65	66	43	43	—	58	72
Hourly Means	78	79	82	85	86	81	68	58	56	57	63	73	72	
Tension of the Vapour. OCTOBER.	1	In. .324	In. —	In. .297	In. .291	In. .287	In. .319	In. .318	In. .282	In. .351	In. .339	In. .327	In. .324	In. .315
	2	.328	.291	—	—	—	—	—	—	—	—	—	—	.208
	3	—	—	.182	.208	.201	.211	.183	.169	.173	.198	.183	.170	.231
	4	.194	.185	.185	.186	.186	.213	.208	.250	.317	.264	.282	.296	.342
	5	.283	.279	.273	.253	.265	.308	.373	.386	.396	.447	.474	.371	.343
	6	.371	.324	.359	—	.337	.393	.413	.381	.325	.312	.279	.278	.260
	7	.256	.234	.252	.255	.247	.281	.311	.295	.282	.240	.222	.245	.279
	8	.225	.214	.237	.237	.229	.250	.284	.320	.332	.363	.347	.313	.271
	9	.309	.310	—	—	—	—	—	—	—	—	—	—	.254
	10	—	—	.216	.216	.195	.243	.266	.297	.310	.319	.294	.281	.281
	11	.264	.238	.234	.211	.225	.245	.265	.246	.253	.282	.288	.302	.281
	12	.274	.300	.325	.302	.303	.279	.280	.243	.260	.265	.258	.278	.250
	13	.225	.234	.216	.211	.212	.254	.267	.269	.271	.291	.281	.268	.284
	14	.244	.250	.237	.242	.253	.258	.294	.271	.323	.384	.349	.298	.363
	15	.303	.305	—	.262	.276	.328	.311	.406	.453	.502	.513	.337	.304
	16	.349	.410	—	—	—	—	—	—	—	—	—	—	.331
	17	—	—	.245	.247	.249	.263	.313	.334	.356	.321	.287	.272	.379
	18	.260	.270	.267	.247	.262	.277	.345	.417	.412	.458	.440	.313	.309
	19	.320	.308	.290	.266	.278	.309	.421	.515	.531	.486	.439	.380	.285
	20	.376	.320	.318	.325	.290	.297	.293	.300	.294	.313	.302	.283	.270
	21	.295	.287	.274	.278	.281	.293	.316	.299	.310	.287	.258	.247	.317
	22	.236	.236	.227	.220	.228	.253	.278	.292	.324	.317	.317	.311	.317
	23	.320	.319	—	—	—	—	—	—	—	—	—	—	.317
	24	—	—	.325	.329	.341	.352	.322	.299	.315	.313	.271	.299	.298
	25	.294	.279	.261	.255	—	.313	.301	.328	.333	.332	.288	.291	.319
	26	.288	.272	—	.282	.290	.311	.297	.320	.342	.377	.354	.372	.377
	27	.321	.328	.356	.347	.352	.355	.417	.433	.441	.465	.393	.320	.264
	28	.298	.257	.240	.246	.236	.274	.335	.311	.280	.227	.228	.240	.237
	29	.248	.239	.225	.233	.234	.240	.217	.236	.247	.254	.229	.242	.315
	30	.245	.251	—	—	—	—	—	—	—	—	—	—	
	31	—	—	.297	.307	.309	.339	.314	.402	.336	.331	—	.337	
Hourly Means	.287	.278	.264	.258	.263	.287	.306	.319	.330	.334	.316	.295	.295	

* Observations of the Wet Thermometer unsatisfactory.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. NOVEMBER.	1	59	65	67	76	87	72	52	36	34	57	52	88	62
	2	71	67	69	75	74	77	55	47	43	49	46	54	61
	3	63	65	64	72	70	60	42	36	39	40	49	58	55
	4	64	67	66	78	83	80	75	57	51	56	67	75	68
	5	78	80	81	86	84	80	68	67	67	69	82	80	77
	6	79	74	—	—	—	—	—	—	—	—	—	—	73
	7	—	—	83	85	89	78	72	61	60	59	64	76	71
	8	—	73	72	78	82	67	60	49	56	75	79	86	73
	9	84	88	93	94	84	66	63	59	60	60	55	64	70
	10	68	68	77	83	86	79	56	53	58	64	67	78	68
	11	79	90	84	75	73	65	59	62	48	59	53	63	69
	12	78	73	74	75	77	70	58	61	52	58	65	83	63
	13	92	66	—	—	—	—	—	—	—	—	—	—	59
	14	—	—	76	77	81	66	49	42	44	48	55	60	61
	15	75	73	72	68	66	60	49	47	49	54	43	48	53
	16	51	58	59	63	68	52	44	51	39	47	47	60	61
	17	70	68	72	78	77	65	45	36	34	41	68	82	65
	18	95	95	96	96	98	80	60	47	38	29	42	57	69
	19	62	67	70	71	73	68	51	50	37	49	83	95	65
	20	81	69	—	—	—	—	—	—	—	—	—	—	58
	21	—	—	64	68	72	63	50	47	47	43	43	51	68
	22	65	75	82	86	88	73	52	52	52	53	60	80	71
	23	85	86	82	81	88	69	51	48	59	53	66	81	61
	24	83	82	90	93	95	62	47	36	36	34	30	41	52
	25	57	61	63	68	72	59	42	32	41	43	44	45	56
	26	60	72	73	72	73	—	44	34	39	34	50	63	61
	27	80	80	—	—	—	—	—	—	—	—	—	—	58
	28	—	—	69	66	69	67	62	58	48	49	34	55	68
	29	62	64	71	73	71	51	43	43	43	54	61	62	71
	30	88	86	86	89	92	78	56	62	—	76	58	56	61
Hourly Means	73	74	75	78	80	68	54	49	47	52	56	67	64	
Tension of the Vapour. NOVEMBER.	1	In. .317	In. .332	In. .301	In. .296	In. .332	In. .353	In. .354	In. .345	In. .375	In. .447	In. .422	In. .420	In. .358
	2	.343	.301	.275	.285	.277	.318	.301	.331	.307	.298	.246	.210	.291
	3	.216	.203	.202	.210	.199	.209	.171	.177	.202	.204	.214	.204	.201
	4	.225	.230	.224	.263	.278	.311	.381	.334	.305	.319	.314	.304	.291
	5	.302	.305	.305	.319	.309	.315	.333	.352	.347	.394	.370	.312	.330
	6	.279	.252	—	—	—	—	—	—	—	—	—	—	322
	7	—	—	.249	.243	.257	.278	.334	.363	.416	.383	.415	.392	419
	8	—	.367	.348	.337	.324	.369	.502	.528	.477	.470	.450	.433	343
	9	.404	.387	.393	.356	.311	.315	.323	.338	.348	.351	.319	.274	309
	10	.259	.246	.264	.274	.290	.315	.301	.340	.365	.372	.348	.332	301
	11	.294	.327	.314	.286	.273	.283	.323	.383	.313	.329	.259	.230	292
	12	.259	.258	.251	.253	.260	.262	.300	.336	.371	.341	.292	.320	348
	13	.347	.260	—	—	—	—	—	—	—	—	—	—	426
	14	—	—	.293	.281	.284	.281	.304	.351	.459	.458	.479	.378	265
	15	.397	.392	.381	.364	.358	.367	.393	.532	.659	.527	.410	.332	248
	16	.291	.265	.239	.251	.262	.251	.264	.284	.260	.293	.285	.232	330
	17	.247	.227	.229	.245	.253	.248	.215	.220	.231	.250	.295	.310	352
	18	.333	.333	.342	.348	.358	.350	.324	.332	.308	.274	.322	.332	295
	19	.316	.309	.307	.296	.296	.327	.351	.433	.374	.371	.417	.427	304
	20	.364	.294	—	—	—	—	—	—	—	—	—	—	361
	21	—	—	.232	.240	.261	.271	.296	.329	.332	.349	.300	.272	264
	22	.276	.274	.272	.269	.299	.304	.277	.336	.333	.326	.326	.353	257
	23	.369	.373	.361	.342	.353	.331	.320	.346	.382	.322	.332	.338	279
	24	.329	.322	.327	.325	.338	.310	.333	.304	.269	.250	.221	.205	360
	25	.233	.240	.246	.256	.265	.284	.263	.236	.299	.298	.285	.230	—
	26	.259	.267	.256	.239	.251	—	.270	.238	.265	.262	.301	.294	—
	27	.335	.329	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	.234	.211	.228	.249	.258	.273	.266	.262	.200	.237	—
	29	.239	.239	.252	.255	.248	.246	.264	.279	.348	.334	.340	.302	—
	30	.367	.353	.353	.353	.351	.391	.405	.435	—	.408	.297	.242	—
Hourly Means	.304	.296	.287	.285	.289	.302	.314	.337	.344	.342	.325	.304	.311	

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean Van Diemen Island Time.	9	11	13	15	17	19	21	23	1	3	5	7		
Humidity of the Air. DECEMBER.	1	64	67	80	86	—	—	58	37	52	41	42	40	57
	2	57	66	65	75	67	59	46	40	36	32	35	53	53
	3	67	69	82	90	88	74	62	51	52	49	47	62	66
	4	71	73	—	—	—	—	—	—	—	—	—	—	66
	5	—	—	88	88	96	72	53	44	45	46	52	63	63
	6	72	77	82	86	94	75	52	42	44	46	43	48	61
	7	67	76	74	78	80	64	41	41	46	49	51	69	70
	8	83	83	83	86	88	69	54	66	54	56	54	67	70
	9	74	71	77	87	97	69	51	46	29	31	52	55	62
	10	63	67	80	77	84	56	49	41	43	43	49	64	60
	11	79	77	—	—	—	—	—	—	—	—	—	—	71
	12	—	—	88	86	84	73	42	53	53	58	71	88	59
	13	85	82	68	70	68	52	51	43	43	39	45	57	60
	14	68	75	81	72	78	66	48	44	37	39	51	57	49
	15	62	56	53	65	76	56	47	32	27	32	35	46	49
	16	53	63	57	—	64	57	45	36	27	43	39	57	51
	17	59	66	70	72	74	62	41	38	30	32	21	45	55
	18	52	56	—	—	—	—	—	—	—	—	—	—	74
	19	—	—	70	76	—	61	48	42	38	47	50	65	59
	20	73	79	81	84	83	69	58	50	68	73	82	87	43
	21	95	64	73	73	78	58	54	60	40	37	32	44	49
	22	60	63	73	72	71	54	44	33	31	30	34	44	51
	23	56	50	59	63	67	65	34	25	22	19	20	32	43
	24	48	31	55	59	61	54	46	56	55	49	32	39	49
	25	59	61	—	—	—	—	—	—	—	—	—	—	52
	26	—	—	67	65	63	48	44	38	39	43	47	48	60
	27	59	65	66	76	77	58	57	47	53	50	52	64	57
	28	70	79	73	75	78	69	52	40	33	30	34	48	58
	29	59	66	66	62	61	56	49	47	52	53	59	71	66
	30	79	85	90	84	84	77	63	43	44	43	42	59	59
	31	—	73	72	79	84	66	51	38	39	41	54	56	59
Hourly Means	67	68	73	76	78	63	50	43	42	43	45	57	59	
Tension of the Vapour. DECEMBER.	1	In. .261	In. .252	In. .258	In. .258	In. —	In. —	.332	In. .232	In. .308	In. .277	In. .286	In. .201	In. .267
	2	.219	.235	.221	.249	.241	.249	.232	.223	.205	.191	.202	.244	.226
	3	.276	.281	.307	.309	.285	.294	.275	.276	.260	.248	.229	.246	.274
	4	.261	.260	—	—	—	—	—	—	—	—	—	—	.279
	5	—	—	.267	.240	.284	.268	.268	.276	.308	.314	.309	.293	.281
	6	.283	.266	.264	.256	.285	.291	.286	.278	.315	.328	.279	.235	.290
	7	.267	.267	.245	.250	.262	.270	.266	.293	.339	.336	.326	.358	.350
	8	.390	.390	.382	.385	.387	.378	.352	.345	.311	.311	.285	.281	.264
	9	.282	.249	.237	.242	.282	.277	.272	.285	.213	.229	.335	.265	.329
	10	.258	.257	.286	.267	.311	.304	.353	.350	.375	.365	.412	.405	.394
	11	.421	.353	—	—	—	—	—	—	—	—	—	—	.287
	12	—	—	.419	.411	.394	.404	.300	.409	.432	.404	.383	.399	.344
	13	.351	.333	.277	.277	.269	.245	.283	.265	.286	.277	.284	.291	.390
	14	.295	.288	.296	.276	.308	.331	.346	.405	.375	.385	.409	.412	.247
	15	.403	.381	.370	.429	.463	.462	.445	.381	.350	.336	.325	.333	.193
	16	.298	.306	.245	—	.266	.271	.254	.218	.170	.239	.225	.222	.246
	17	.192	.209	.215	.213	.234	.221	.186	.192	.161	.183	.126	.188	.289
	18	.185	.190	—	—	—	—	—	—	—	—	—	—	.252
	19	—	—	.210	.228	—	.243	.254	.264	.263	.291	.277	.297	.262
	20	.310	.307	.316	.314	.320	.325	.333	.386	.483	.486	.503	.487	.255
	21	.504	.295	.311	.287	.295	.302	.284	.278	.244	.237	.206	.221	.244
	22	.247	.243	.273	.274	.275	.235	.239	.219	.223	.250	.276	.275	.244
	23	.307	.270	.299	.303	.334	.360	.249	.212	.222	.201	.186	.200	.267
	24	.243	.233	.242	.251	.258	.263	.253	.313	.290	.292	.213	.204	.287
	25	.236	.237	—	—	—	—	—	—	—	—	—	—	.289
	26	—	—	.253	.243	.239	.227	.219	.234	.259	.281	.274	.229	.252
	27	.238	.250	.242	.250	.270	.250	.285	.281	.301	.292	.273	.276	.262
	28	.271	.294	.276	.265	.269	.289	.294	.311	.302	.296	.282	.298	.267
	29	.303	.312	.312	.278	.276	.281	.284	.292	.309	.329	.337	.361	.287
	30	.363	.362	.364	.323	.320	.327	.302	.252	.281	.261	.242	.274	.306
	31	—	.300	.270	.272	.315	.313	.318	.330	.373	.332	.368	.336	.321
Hourly Means	.295	.282	.284	.283	.298	.295	.288	.289	.295	.295	.291	.290	.290	

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
—	Calm.	—	Calm.	N. by W.	2	N. by W.	2	S. E. by E.	2	S. E. by E.	2	1
—	—	—	—	—	—	—	—	—	—	—	—	2
—	Calm.	—	Calm.	N. by W.	1	N.	1	—	Calm.	—	Calm.	3
—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by E.	2	S. E. by E.	2	4
N. by W.	2	N. by W.	2	N. by W.	2	N. by W.	2	—	Calm.	S. E. by E.	3	5
N. by W.	2	N. by W.	5	N. by W.	7	N. by W.	7	N. by W.	7	N. by W.	7	6
N. W. by N.	4	S. E. by S.	3	N. by W.	2	N. by W.	2	S. by E.	3	S. by E.	3	7
S. E.	3	S. E.	2	—	Calm.	—	Calm.	S. E. by S.	2	S. E. by S.	2	8
—	—	—	—	—	—	—	—	—	—	—	—	9
N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	10
N. W. by N.	3	N. W. by N.	4	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	N. W. by N.	7	11
—	Calm.	—	Calm.	N.	2	N.	2	N.	2	S. E. by S.	3	12
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	4	N. W. by N.	3	—	Calm.	13
N. by W.	3	N. by W.	6	N. by W.	4	N. by W.	4	N. N. W.	6	N. N. W.	2	14
—	Calm.	—	Calm.	N. N. W.	2	N. N. W.	3	N. N. W.	2	N. N. W.	2	15
—	—	—	—	—	—	—	—	—	—	—	—	16
—	Calm.	—	Calm.	—	Calm.	N. E. by N.	2	N. E.	2	N. E.	2	17
N. by W.	6	N. by W.	7	N. by W.	6	N. by W.	5	N. by W.	6	N. by W.	6	18
—	Calm.	—	Calm.	N.	3	N. N. W.	5	N. by W.	5	N. W. by N.	3	19
N. W.	2	N. W.	5	N.	2	N.	3	N.	5	N. N. W.	4	20
S. by W.	2	N. N. W.	4	N. N. W.	6	N. N. W.	5	N. W.	4	N. W. by N.	2	21
S. W. by W.	4	N. by W.	5	S. W.	3	W.	3	W.	2	W.	4	22
—	—	—	—	—	—	—	—	—	—	—	—	23
—	Calm.	N.	1	N.	2	N.	2	N. by E.	2	N. N. E.	2	24
N. by E.	3	N. by E.	3	—	Calm.	—	Calm.	N. by E.	4	N. W.	8	25
N. by W.	3	N. by W.	6	N.	4	N. by E.	4	—	Calm.	E. by S.	3	26
—	Calm.	N.	1	N.	4	N.	6	N.	6	N.	6	27
S. E.	4	N. by W.	4	N. N. W.	5	N. by W.	5	N. by W.	5	N.	5	28
N. by W.	3	N. by W.	3	N. by W.	4	S. S. W.	2	S. W. by S.	3	S. E. by S.	4	29
—	—	—	—	—	—	—	—	—	—	—	—	30
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by W.	2	N. by W.	2	31
N. by E.	5	N. by E.	5	N. by E.	5	N. N. E. by E.	2	N. by E.	3	—	Calm.	1
—	Calm.	E.	2	—	Calm.	—	Calm.	N. E. by N.	2	N. E. by N.	2	2
N. E. by N.	2	—	Calm.	—	Calm.	—	Calm.	S. W. by W.	2	S. W. by W.	2	3
N. by W.	1	—	Calm.	N. by E.	1	E. by N.	2	S. E. by S.	1	S. by W.	1	4
S. by E.	2	S. by E.	2	S. by E.	2	S.	2	S.	2	S.	2	5
—	—	—	—	—	—	—	—	—	—	—	—	6
N. by W.	6	N. by W.	4	N. by W.	4	N. by W.	7	N. by W.	8	N. by W.	6	7
N. by W.	5	N. by W.	5	N. by W.	5	N. by W.	4	N. by W.	2	S. by E.	2	8
N. by W.	3	N. by W.	4	N.	3	N. by E.	3	N. by E.	3	N. by W.	2	9
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	10
N. E. by N.	1	N.	4	W. by S.	4	N. by W.	2	S. S. E.	1	S. by E.	2	11
S. by E.	3	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	12
—	—	—	—	—	—	—	—	—	—	—	—	13
—	Calm.	—	Calm.	S. E. by S.	1	—	Calm.	—	Calm.	N. E. by N.	1	14
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. E. by N.	1	15
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by W.	1	—	Calm.	16
—	Calm.	N. by E.	2	—	Calm.	—	Calm.	N. by E.	3	N. by W.	3	17
E. by N.	2	E. by N.	3	N. by W.	5	N. by W.	5	N. W. by N.	5	W. by N.	5	18
N. W. by N.	2	S. by E.	2	E.	3	N. E. by E.	4	N. by E.	5	N. W. by N.	4	19
—	—	—	—	—	—	—	—	—	—	—	—	20
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	21
N. N. W.	6	N. by E.	4	N. by E.	4	S. S. W.	6	W. by S.	5	W. by S.	5	22
—	Calm.	—	Calm.	E. by N.	1	—	Calm.	—	Calm.	E. by N.	2	23
N. by E.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	24
S. E. by S.	2	N. by W.	4	—	Calm.	—	Calm.	N. E. by E.	4	—	Calm.	25
S. by E.	4	S. by E.	2	S. by E.	2	S. by E.	2	S. by E.	5	S. by E.	6	26
—	5	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	—	Calm.	27
—	—	—	—	—	—	—	—	—	—	—	—	28

JANUARY.

FEBRUARY.

DIRECTION AND FORCE OF THE WIND.														
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .			
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
MARCH.	1	S. E. by S.	2	S. S. E.	4	S. S. E.	4	S. by E.	4	S. E. by S.	4	S. S. E.	4	
	2	S. S. E.	4	S. S. E.	2	S. S. E.	2	—	Calm.	—	Calm.	—	Calm.	
	3	S. W. by S.	2	S. W. by W.	2	S. W. by W.	1	S. W. by W.	1	W. by N.	1	—	Calm.	
	4	—	Calm.	S. by W.	4	S. by W.	4	—	Calm.	—	Calm.	—	Calm.	
	5	—	Calm.	S. by W.	2	S. by W.	2	—	Calm.	—	Calm.	N. by W.	4	
	6	S. by W.	5	S. by W.	4	S. by W.	4	S. by W.	4	S. by W.	2	S. by W.	2	
	7	—	—	—	—	—	—	—	—	—	—	—	—	
	8	S. by W.	4	S. by W.	4	S. by W.	2	—	Calm.	—	Calm.	—	Calm.	
	9	S. by W.	2	S. by W.	2	S. by W.	2	S. by W.	2	S. by W.	2	S. by W.	2	
	10	E. by S.	2	E. by S.	2	E. by S.	2	E. by S.	2	—	Calm.	—	Calm.	
	11	E. by S.	4	E. by S.	4	E. by S.	4	—	Calm.	—	Calm.	—	Calm.	
	12	S. E. by S.	4	S. E. by S.	5	S. E. by S.	4	S. E. by S.	4	S. E. by S.	2	S. E. by S.	2	
	13	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. S. E.	5	—	Calm.	S. by W.	2	
	14	—	—	—	—	—	—	—	—	—	—	—	—	
	15	S.	2	S.	4	S.	2	S. W. by S.	2	—	Calm.	—	Calm.	
	16	S. E. by S.	2	S. E.	2	S. E.	2	S. by E.	2	—	Calm.	—	Calm.	
	17	S. by W.	2	S. by W.	4	S. by W.	4	—	Calm.	—	Calm.	—	Calm.	
	18	—	Calm.	S. by W.	2	—	Calm.	—	Calm.	—	Calm.	N. by E.	2	
	19	S.	5	S.	4	S.	4	S.	2	S.	1	—	Calm.	
	20	S. E. by S.	2	S. S. E.	4	N. by E.	2	—	Calm.	N. by E.	2	N. by E.	2	
	21	—	—	—	—	—	—	—	—	—	—	—	—	
	22	N. by E.	1	N. by E.	1	N. by E.	1	N. E. by E.	1	—	Calm.	N. by E.	1	
	23	N. by E.	9	N. by E.	8	N. by E.	8	N. by E.	7	N. by E.	6	N. by E.	6	
	24	N. by E.	2	N. by E.	2	S. W.	2	—	Calm.	—	Calm.	—	Calm.	
	25	N. by E.	2	E.	2	N. W. by N.	2	S.	2	—	Calm.	E. by S.	4	
	26	N. by E.	4	S. by W.	2	N. by E.	2	N. by E.	1	N. by E.	4	N. by E.	5	
	27	N. by E.	5	N. by E.	5	N. by E.	4	N. by E.	4	N. by E.	5	N. by E.	4	
	28	—	—	—	—	—	—	—	—	—	—	—	—	
	29	S. W. by W.	2	S. W. by W.	2	S. W. by W.	4	S. W. by W.	2	—	Calm.	—	Calm.	
	30	S. W. by W.	2	W.	4	W.	4	—	Calm.	—	Calm.	—	Calm.	
	31	S. by E.	2	S. by E.	2	S. by E.	2	S. by E.	2	—	Calm.	—	Calm.	
APRIL.	1	N. by E.	8	N. by E.	8	N. by E.	6	N. by E.	4	—	Calm.	N. by E.	2	
	2	S. by W.	2	S. by W.	1	S. by W.	4	—	Calm.	—	Calm.	N. E. by N.	2	
	3	N. by W.	6	N. by W.	2	N. by W.	2	N. by W.	2	—	Calm.	—	Calm.	
	4	—	—	—	—	—	—	—	—	—	—	—	—	
	5	S. S. W.	4	S. S. W.	4	S. S. W.	4	S. S. W.	4	S. S. W.	4	S. S. W.	2	
	6	N. by E.	2	S. E. by E.	2	N. W. by N.	4	N. W. by N.	5	N. by W.	5	N. by W.	4	
	7	N. by W.	8	W. N. W.	8	W. by N.	6	W. by N.	4	W. by N.	5	N. W. by W.	6	
	8	N. W. by N.	5	N. W. by N.	5	N. W. by N.	6	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	
	9	N. by E.	5	N. by E.	5	N. by E.	5	N. by E.	2	N. by E.	2	—	Calm.	
	10	N. by E.	6	N. by E.	5	N. by E.	4	N. by E.	5	N. by E.	6	N. by E.	6	
	11	—	—	—	—	—	—	—	—	—	—	—	—	
	12	N. by W.	4	N. by W.	4	N. by W.	2	N. by W.	2	N. by W.	5	N. by W.	4	
	13	S. W. by W.	4	S. W. by W.	2	S. W. by W.	2	S. W. by W.	2	S. by W.	4	S. by W.	4	
	14	N. by W.	2	—	Calm.	—	Calm.	—	N. by W.	1	N. by W.	1	N. by W.	2
	15	N. by W.	2	N. by W.	2	N. by W.	2	—	Calm.	N. by W.	2	—	Calm.	
	16	N. by W.	2	N. by W.	2	N. by W.	2	N. by W.	4	N. E. by E.	2	N. E. by E.	4	
	17	N.	5	N.	5	N. by W.	5	W. N. W.	6	W. by N.	6	N. by E.	4	
	18	—	—	—	—	—	—	—	—	—	—	—	—	
	19	N. by W.	5	N. by W.	2	N. by W.	4	N. by W.	5	N. by W.	6	N. by W.	6	
	20	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	N. W. by N.	6	N. W. by N.	5	
	21	W.	4	W.	2	W.	2	S. W. by W.	2	—	Calm.	—	Calm.	
	22	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	—	Calm.	N. N W.	2	
	23	W.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.	2	
	24	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	25	—	—	—	—	—	—	—	—	—	—	—	—	
	26	N. by W.	2	—	Calm.	—	Calm.	N. W. by N.	2	N. N. W.	2	N. W.	2	
	27	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	S. E. by S.	1	—	Calm.	
	28	E. N. E.	4	E. N. E.	2	E. N. E.	2	—	Calm.	—	Calm.	—	Calm.	
	29	N. N. E.	2	—	Calm.	—	Calm.	—	Calm.	N. E. by N.	2	N. E. by N.	2	
	30	N. E. by N.	4	N. N. E.	2	E. N. E.	2	N. E. by E.	2	N. E.	4	N. E. by N.	2	

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
S. S. E.	4	S. S. E.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	1
—	Calm.	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. by W.	2	2
N. E. by E.	2	N. E. by E.	5	N. E. by E.	5	N. E. by E.	5	N. E. by E.	2	S. by W.	2	3
—	Calm.	—	Calm.	N. by E.	4	N. by E.	4	N. by E.	2	—	Calm.	4
N. by W.	5	N. by W.	6	N. by W.	6	N. by W.	5	N. by W.	2	—	Calm.	5
—	Calm.	—	Calm.	—	—	—	—	—	—	—	—	6
—	Calm.	—	Calm.	S. by W.	2	—	Calm.	—	Calm.	—	Calm.	7
S. by W.	4	S. by W.	5	S. by W.	5	S. by W.	2	S. by W.	2	S. by W.	4	8
S. by W.	2	—	Calm.	—	Calm.	W. by N.	1	W. by N.	2	E. by S.	2	9
—	Calm.	N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	S. E. by E.	2	10
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	—	Calm.	11
S. E. by S.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	12
—	—	—	—	—	—	—	—	—	—	—	—	13
E. by S.	2	E.	2	N. by W.	2	N. by E.	2	N. N. E.	2	—	Calm.	14
—	Calm.	—	Calm.	N. by E.	1	N. by E.	1	—	Calm.	—	Calm.	15
—	Calm.	N. by W.	2	N. by W.	2	—	Calm.	N. N. E.	4	N. N. E.	1	16
N.	2	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	2	17
N. by E.	2	N. by E.	5	N. by E.	2	—	Calm.	S. by E.	1	S. by E.	4	18
N. E. by E.	1	—	Calm.	—	Calm.	E.	4	N.	1	E. S. E.	—	19
—	—	—	—	—	—	—	—	—	—	—	—	20
—	Calm.	N. E. by E.	2	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	21
N. by E.	5	N. by E.	2	N. by E.	5	N. by E.	5	N. by E.	2	N. by E.	2	22
N. by E.	6	N. by E.	5	N. by E.	2	N. by E.	2	N. by E.	2	N. by E.	2	23
—	Calm.	N. by E.	2	N. by E.	4	N. by E.	1	N. by E.	4	N. by E.	2	24
E. by S.	2	E. by S.	2	N. N. E.	4	N. by E.	4	N. by E.	5	N. by E.	5	25
N. by E.	5	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	5	26
—	—	—	—	—	—	—	—	—	—	—	—	27
—	Calm.	E. by N.	1	E. by N.	1	—	Calm.	—	Calm.	—	Calm.	28
—	Calm.	S. W. by W.	2	N. N. E.	2	N. N. E.	2	N. E. by E.	2	N. E. by E.	2	29
E. by N.	2	N. by W.	2	N. W.	4	N. N. W.	5	S. by E.	4	S. by E.	4	30
—	Calm.	N. W.	2	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. by E.	2	31
N. by E.	2	E. by N.	2	E. by N.	2	—	Calm.	N. by E.	1	N. by E.	4	1
N. by W.	5	N. by W.	5	N. by W.	5	N. by W.	4	N. by W.	4	N. by W.	5	2
—	—	—	—	—	—	—	—	—	—	—	—	3
N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	2	S. W. by W.	1	4
S. S. W.	2	N. E.	1	N. E.	5	N. E.	5	N. by E.	4	N. by E.	6	5
N. by W.	4	N. by W.	4	N. by W.	2	—	Calm.	N. by W.	2	N. by W.	6	6
N. W. by N.	6	N. W. by N.	6	N. W. by N.	6	N. W. by N.	7	N. W. by N.	6	N. W. by N.	7	7
N. W. by N.	6	N. W. by N.	8	N. W. by N.	4	N. W. by N.	5	N. W. by N.	2	N. by W.	4	8
—	Calm.	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	5	9
—	—	—	—	—	—	—	—	—	—	—	—	10
N. W. by N.	4	—	Calm.	N. W. by N.	2	N. W. by N.	2	N. W. by N.	6	N. by W.	7	11
—	Calm.	N. by W.	1	—	Calm.	N. by W.	Calm.	—	Calm.	—	Calm.	12
N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. by W.	2	—	Calm.	N. by W.	2	13
N. by E.	2	N. by E.	2	N. by E.	2	N. by E.	1	N. by W.	1	—	Calm.	14
N. by W.	4	N. by W.	2	N. by W.	5	N. by W.	5	N. by W.	4	N. by W.	4	15
N. by W.	4	N. by W.	5	N. by W.	6	N. by W.	5	N.	5	N.	2	16
—	—	—	—	—	—	—	—	—	—	—	—	17
N. by W.	4	N. by W.	5	N. by W.	4	N. by W.	4	N. by W.	4	N. by W.	4	18
N. by W.	6	N. N. W.	6	N. W. by N.	6	N. N. W.	6	N. N. W.	5	N. N. W.	4	19
E. by S.	2	E.	1	S. by W.	2	S. by W.	1	S. E. by S.	2	S. by W.	2	20
—	Calm.	W. N. W.	2	N. W.	2	N. W. by N.	2	N. by W.	2	N. by W.	2	21
N. N. W.	4	N. W. by N.	4	W. by N.	4	N. N. W.	2	W. by N.	2	W.	4	22
—	Calm.	—	Calm.	—	Calm.	—	—	—	Calm.	—	Calm.	23
—	—	—	—	—	—	—	—	—	—	—	—	24
—	Calm.	—	Calm.	—	Calm.	N. by W.	1	N. by W.	2	N. by W.	4	25
N. W. by N.	2	N. N. W.	2	—	Calm.	—	Calm.	S. E. by S.	2	S. E. by S.	1	26
S. E. by S.	2	S. by W.	2	S. by W.	2	S. by W.	2	E. N. E.	2	E. N. E.	2	27
N. W. by N.	4	N. W.	2	N. W.	4	N. W. by N.	4	N. N. E.	4	N. N. E.	2	28
N. E. by N.	2	N. E. by N.	4	N. E. by N.	4	N. E. by N.	4	N. E. by N.	2	—	Calm.	29
N. by E.	2	N. by E.	2	N. by E.	2	N. by E.	1	N. by E.	2	N. by E.	2	30

MARCH.

APRIL.

DIRECTION AND FORCE OF THE WIND.														
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .			
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
MAY.	1	N. by E.	2	N. by E.	4	N. by E.	4	N. by E.	5	N. by E.	4	N. by E.	4	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	N. E. by N.	2	N. E. by N.	2	N. by E.	2	N. by E.	2	—	Calm.	—	Calm.	
	4	N. by E.	2	N. by E.	2	—	Calm.	N. by E.	2	N. by E.	2	N. by E.	2	
	5	N. E. by N.	2	N. E. by N.	2	N. E. by N.	2	—	Calm.	N. E. by N.	2	N. E. by N.	2	
	6	—	Calm.	S. W. by W.	2	S. W. by W.	2	S. W. by W.	2	—	Calm.	S. W. by W.	1	
	7	N. by E.	1	N. by E.	1	N. by E.	1	—	Calm.	N. by E.	1	—	Calm.	
	8	N. N. E.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	
	9	—	—	—	—	—	—	—	—	—	—	—	—	
	10	N. by E.	4	N. by E.	5	N. by E.	5	N. by E.	4	N. by E.	4	N. by E.	4	
	11	N. by W.	6	N. by W.	6	N. by W.	4	N. by W.	5	N. by W.	5	N. by W.	6	
	12	N. W. by N.	6	N. W. by N.	4	W. by N.	2	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	
	13	N. by E.	5	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	
	14	N. by E.	2	N. by E.	2	—	Calm.	—	Calm.	—	N. by E.	1	N. by E.	1
	15	—	2	—	2	—	2	—	2	—	Calm.	—	Calm.	
	16	—	—	—	—	—	—	—	—	—	—	—	—	
	17	N.	2	N. N. E.	2	N. N. E.	1	N. N. E.	2	—	Calm.	—	Calm.	
	18	N. N. W.	5	N. N. W.	4	N. N. W.	2	—	Calm.	—	Calm.	—	Calm.	
	19	S. by E.	1	S. by E.	2	S. by W.	2	S. by W.	3	S. W. by W.	4	S. by W.	1	
	20	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	21	N. by W.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	22	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	
	23	—	—	—	—	—	—	—	—	—	—	—	—	
	24	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	25	E. by S.	1	E. by S.	1	E. by S.	1	—	Calm.	E. by S.	1	E. by S.	1	
	26	—	Calm.	E. by S.	1	N. E. by E.	1	—	Calm.	N. by W.	1	N. by W.	4	
	27	N. W. by W.	2	N. W. by W.	4	N. W. by W.	4	W.	4	—	Calm.	W.	4	
	28	N. W. by N.	6	N. W. by N.	5	—	Calm.	N. W.	4	N. W. by W.	4	W. N. W.	2	
	29	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	
	30	—	—	—	—	—	—	—	—	—	—	—	—	
	31	N. N. W.	1	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. W. by N.	3	N. W. by N.	2	
JUNE.	1	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	1	N. W. by N.	4	N. W. by N.	4	
	2	—	Calm.	E. by S.	2	—	Calm.	S. E. by E.	1	—	Calm.	—	Calm.	
	3	N. W. by N.	2	—	Calm.	—	Calm.	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	
	4	—	Calm.	—	Calm.	N. W. by N.	1	—	Calm.	—	Calm.	N. W. by N.	4	
	5	N. W. by N.	2	N. W. by N.	2	N. W. by W.	1	—	Calm.	—	Calm.	—	Calm.	
	6	—	—	—	—	—	—	—	—	—	—	—	—	
	7	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by E.	4	N. by E.	4	
	8	N. E. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	4	N. W. by N.	1	
	9	S. by E.	1	S. by E.	1	S. by W.	2	—	Calm.	N. W. by N.	1	S. by W.	1	
	10	—	Calm.	—	Calm.	—	Calm.	W. by N.	2	W. by N.	2	W. by N.	2	
	11	N. W. by N.	4	N. W.	2	N. N. W.	2	N. N. W.	2	N. W.	2	N. W. by N.	4	
	12	N. W. by W.	2	N. W. by W.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	13	—	—	—	—	—	—	—	—	—	—	—	—	
	14	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	
	15	N. W.	4	W. by N.	4	W. by N.	4	W. by N.	5	—	Calm.	S. E.	1	
	16	—	Calm.	S. by E.	1	—	Calm.	—	Calm.	—	Calm.	N. W.	4	
	17	N. W.	4	N. W.	4	N. W.	5	N. W.	5	N. W.	5	N. W.	2	
	18	S. by W.	2	S. by W.	1	—	Calm.	—	Calm.	W. by N.	4	—	Calm.	
	19	W. by S.	4	N. W. by W.	5	W. by N.	5	W. by N.	4	W. by N.	4	W. N. W.	2	
	20	—	—	—	—	—	—	—	—	—	—	—	—	
	21	W. N. W.	6	W. N. W.	6	W. N. W.	3	W. N. W.	4	W.	4	W.	5	
	22	N. W. by W.	4	N. W. by W.	2	—	Calm.	—	Calm.	—	Calm.	W. by N.	5	
	23	S. by E.	5	—	Calm.	S. by E.	1	S. by E.	2	S. by E.	1	N. W. by W.	2	
	24	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	25	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	
	26	W. N. W.	2	W. N. W.	5	W. N. W.	6	W. by N.	5	W. by N.	2	W. by N.	2	
	27	—	—	—	—	—	—	—	—	—	—	—	—	
	28	S.	1	S. by E.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	29	N. W.	4	N. W.	4	N. W.	2	N. W. by W.	2	—	Calm.	—	Calm.	
	30	—	Calm.	S. by E.	1	S. by E.	1	S. by E.	2	S. E. by S.	2	S. E. by S.	2	

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
—	—	—	—	—	—	—	—	—	—	—	—	1
—	Calm.	N. E. by N.	1	—	Calm.	—	Calm.	N. E. by N.	2	N. E. by N.	1	2
—	Calm.	N. by E.	4	N. by E.	4	N. by E.	2	—	Calm.	—	Calm.	3
N. by E.	4	N. by E.	4	N. by E.	2	N. by E.	2	N. by E.	2	N. by E.	2	4
N. by E.	2	N. by E.	2	N. by E.	5	N. N. E.	5	N. N. E.	2	N. N. E.	2	5
S. W. by W.	2	S. W. by W.	2	S. W. by W.	2	—	Calm.	—	Calm.	—	Calm.	6
N. by E.	2	N. by E.	4	N. N. E.	4	N.	2	N. E. by N.	2	E. N. E.	2	7
—	—	—	—	—	—	—	—	—	—	—	—	8
N. E. by N.	6	N. E. by N.	5	N. E. by N.	5	N. E. by N.	6	N. E. by N.	5	N. by E.	4	9
N. by E.	5	N. by E.	4	N. by E.	5	N. by E.	5	N. by E.	5	N. by W.	6	10
N. by W.	4	N. by W.	5	N. by W.	4	N. by W.	5	N. by W.	5	N. by W.	6	11
N. by W.	4	N. by W.	5	N. by W.	5	N. by W.	4	N. by E.	5	N. by E.	5	12
N. by E.	2	—	Calm.	—	Calm.	—	Calm.	N. by E.	1	N. by E.	1	13
N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	5	N. by E.	5	14
—	—	—	—	—	—	—	—	—	—	—	—	15
N.	1	N.	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	16
S. E. by E.	4	S. E. by E.	5	S. E. by E.	5	S. E. by E.	2	N. N. W.	4	N. N. W.	2	17
—	Calm.	—	Calm.	N. N. W.	1	N. N. W.	2	N. N. W.	2	S. by E.	1	18
—	Calm.	S. S. E.	2	S. S. W.	2	N. by E.	1	—	Calm.	N. E. by E.	1	19
—	Calm.	N. W.	1	—	Calm.	—	Calm.	N. by W.	4	N. by W.	4	20
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	4	N. W. by N.	2	—	Calm.	21
—	—	—	—	—	—	—	—	—	—	—	—	22
E. by S.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	23
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	E. N. E.	2	24
—	Calm.	—	Calm.	N. E. by E.	2	—	Calm.	—	Calm.	—	Calm.	25
N. by W.	2	—	Calm.	—	Calm.	—	Calm.	N. by W.	2	W. by S.	2	26
W.	4	W.	4	N. W. by W.	4	N. W. by W.	4	N. W. by W.	4	N. W. by N.	5	27
W. N. W.	1	W. N. W.	5	N. W. by W.	5	N. W. by W.	5	N. W. by W.	5	N. W. by N.	4	28
—	—	—	—	—	—	—	—	—	—	—	—	29
W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. by W.	2	N. by W.	2	30
N. W. by N.	4	N. W. by N.	1	N. W. by N.	1	N. W. by N.	1	N. W. by N.	1	N. W. by W.	1	31
N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by W.	5	N. W. by W.	5	1
—	Calm.	N. by W.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	2
N. by W.	4	N. by W.	5	N. by W.	6	N. by W.	6	N. by W.	2	—	Calm.	3
N. W. by N.	4	N. W. by N.	4	N. N. W.	2	—	Calm.	—	Calm.	—	Calm.	4
—	—	—	—	—	—	—	—	—	—	—	—	5
N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	2	N. W. by N.	1	—	Calm.	6
N. W. by N.	4	N. W. by N.	2	N. W. by W.	2	—	Calm.	N. W. by N.	4	N. W. by N.	4	7
—	Calm.	S. E. by E.	1	—	Calm.	S. E. by S.	1	—	Calm.	S. E. by S.	1	8
S. by W.	2	S. by W.	4	S. by W.	4	W. by N.	3	W. by N.	2	W. by N.	2	9
W. by N.	4	W. by N.	4	W. by N.	4	W. by N.	4	W. by N.	5	N. W. by N.	5	10
N. W. by N.	2	N. W. by N.	1	—	Calm.	N. W.	1	—	Calm.	—	Calm.	11
—	—	—	—	—	—	—	—	—	—	—	—	12
N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	13
N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W.	6	14
S. E. by S.	2	S. E. by S.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	15
N. W.	7	N. W.	7	N. W.	6	N. W.	6	—	Calm.	—	Calm.	16
N. W.	2	—	Calm.	N. W.	2	N. W.	3	N. W.	4	N. W.	2	17
N. W. by W.	4	N. W. by W.	4	N. W. by W.	5	N. W. by W.	5	N. W. by W.	5	N. W.	4	18
—	—	—	—	—	—	—	—	—	—	—	—	19
N. W. by W.	4	N. W. by W.	4	N. W. by W.	6	N. W. by W.	4	N. W. by W.	5	W. N. W.	6	20
N.	6	N.	7	N.	6	W. by N.	6	W. N. W.	3	N. W. by W.	1	21
W. by N.	4	W. by N.	1	—	Calm.	S. W. by S.	4	S. S. E.	2	S. by E.	2	22
N. W. by W.	5	N. W. by W.	4	N. W. by W.	4	W. by N.	2	—	Calm.	W. by N.	2	23
—	Calm.	—	Calm.	W. by N.	1	W. by N.	1	W. N. W.	4	W. N. W.	2	24
N. W. by N.	5	N. W. by N.	6	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	W. N. W.	4	25
—	—	—	—	—	—	—	—	—	—	—	—	26
W. N. W.	2	W. N. W.	4	W. N. W.	5	S. S. W.	4	S. by W.	4	S. by W.	4	27
W. by N.	4	W. by N.	4	W. by N.	4	W. by N.	4	W. by N.	4	N. W. by W.	4	28
N. W. by W.	4	W.	1	W.	1	W. N. W.	4	W. N. W.	2	S. E. by E.	2	29
—	Calm.	N. W. by W.	2	N. W. by W.	2	N. W. by W.	2	N. W. by W.	2	—	Calm.	30

MAY.

JUNE.

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
JULY.	1	N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W. by W.	4
	2	N.W. by W.	4	N.W. by W.	4	N.W. by W.	2	—	Calm.	—	Calm.	—	Calm.
	3	N.W. by W.	4	N.W. by W.	2	—	Calm.	N.W. by W.	1	N.W. by W.	2	N.W. by W.	2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	N.W. by W.	1	—	Calm.	N.W. by W.	1	—	Calm.	—	Calm.	—	Calm.
	6	N.W. by W.	5	N.W. by W.	5	N.W. by W.	4	N.W. by W.	4	N.W. by N.	5	N.W. by N.	5
	7	N.W.	1	N.W.	1	N.W.	1	N.W.	1	N.W.	5	N.W.	5
	8	N.W. by N.	4	N.W. by N.	3	N.W. by N.	1	N.W. by N.	5	N.W. by N.	6	N.W. by N.	6
	9	N.W. by N.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	10	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	N.W. by N.	5	N.W. by N.	6	N.W. by N.	4	N.W. by N.	2	N.W. by N.	3	N.W. by N.	4
	13	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	14	N.W. by N.	6	N.W. by W.	2	N.W. by N.	4	—	Calm.	—	Calm.	—	Calm.
	15	S.W.	5	—	Calm.	S.W.	1	—	Calm.	—	Calm.	—	Calm.
	16	N.W. by W.	4	N.W. by W.	4	—	Calm.	N.W. by W.	1	N.W. by W.	2	N.W. by W.	4
	17	N. N.W.	4	W.	1	E. S. E.	1	N.W.	4	N.W.	5	N.W.	5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	Calm.	E. S. E.	4	S. S. E.	4	S.	2	S.	5	S. E.	5
	20	S.	4	S.	1	S.	5	S.	2	—	Calm.	—	Calm.
	21	N.W.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W.	1
	22	N.W. by W.	2	N.W. by W.	2	N.W. by W.	4	N.W. by W.	4	N.W. by W.	2	N.W. by W.	2
	23	W. N. W.	4	W. N. W.	1	W. N. W.	1	W. N. W.	1	W. N. W.	4	W. N. W.	4
	24	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by N.	9
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	N. by W.	2	N. by W.	4	N. by W.	2	N. by W.	4	N. by W.	2	N. by W.	2
	27	—	Calm.	—	Calm.	—	Calm.	N. by W.	1	—	Calm.	N. by W.	1
	28	N. by W.	2	N. by W.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	29	N. N. W.	1	N. N. W.	1	—	Calm.	—	Calm.	N. N. W.	1	N. N. W.	2
	30	N. N. W.	2	—	Calm.	N. N. W.	1	N.W. by N.	2	N.W. by N.	2	N.W. by N.	2
	31	N. by E.	4	N. by E.	1	N. by E.	2	N. by E.	2	N. by E.	4	N. by E.	4
AUGUST.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	Calm.	N. by W.	2	N. by W.	2	N. by W.	2	N. by W.	1	—	Calm.
	3	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	5	N. by E.	5	N. by E.	4
	4	S. by W.	5	S. by W.	2	S. by W.	4	S. by W.	4	S. by W.	4	S. by W.	4
	5	S. by W.	6	S. by W.	5	S. by W.	6	S. by W.	6	S. by W.	5	S. by W.	4
	6	S. by W.	5	S. by W.	5	S. by W.	5	S. by W.	4	S. by W.	4	S. by W.	4
	7	S. by W.	4	S. by W.	2	S. S. W.	4	S. W. by S.	2	S. W. by S.	4	S. W. by S.	4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	N. by W.	2	S. E. by S.	2	S. E. by S.	2	—	Calm.	—	Calm.	N.W. by N.	2
	10	N.W. by N.	5	N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	—	Calm.	N.W. by N.	4
	11	N.W. by N.	4	—	Calm.	—	Calm.	N. by W.	4	N. by W.	5	N. by W.	5
	12	N. N. W.	4	N. by W.	2	N.W. by N.	2	N.W. by N.	3	N.W. by N.	5	N.W. by N.	6
	13	N. by W.	4	N. by W.	2	—	Calm.	N. by W.	2	N. by W.	4	—	Calm.
	14	S. by E.	1	S. by W.	1	S. by W.	4	S. by W.	4	S. by W.	5	S. by W.	5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	S. by W.	4	S. by W.	4	S. by W.	2	S. by W.	2	S. by W.	3	S. by W.	2
	17	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by N.	2	N.W. by N.	4
	18	N. by W.	5	N.W. by N.	4	N.W. by N.	2	N. by W.	5	N. by W.	6	N. by W.	5
	19	—	Calm.	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	6	N. E. by E.	6
	20	N.W. by N.	6	N. N. W.	6	N.W. by N.	6	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5
	21	N. N. W.	2	N. by W.	2	N. by W.	2	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	S. E.	2	S. E.	2	—	Calm.	—	Calm.	—	Calm.	N.W. by W.	2
	24	N.W. by N.	8	N.W. by N.	8	N.W. by N.	7	N.W. by N.	6	W. N. W.	6	W. N. W.	6
	25	W. N. W.	4	N.W. by N.	2	N.W. by N.	4	N.W. by N.	2	N.W. by N.	2	N.W. by N.	2
	26	N.W. by N.	4	W. N. W.	2	—	Calm.	—	Calm.	N.W.	1	—	Calm.
	27	N.W. by N.	4	N.W. by N.	6	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4
	28	W. by N.	5	W.	5	N.W. by W.	4	N.W. by N.	4	N.W. by W.	2	N.W. by W.	2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	N.W.	4	N.W.	4	N.W.	4	N.W. by N.	4	N.W.	4	N.W.	4
	31	N. by E.	2	N. by E.	2	E. S. E.	2	—	Calm.	—	Calm.	—	Calm.

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N.W. by W.	2	N.W. by W.	2	—	Calm.	—	Calm.	N.W. by W.	2	N.W. by N.	4	1
N.W. by W.	4	N.W. by W.	5	N.W. by W.	5	N.W. by W.	5	N.W. by W.	2	N.W. by W.	4	2
—	—	—	—	—	—	—	—	—	—	—	—	3
N.W. by W.	5	—	Calm.	N.W. by W.	1	—	Calm.	N.W. by W.	4	N.W. by W.	4	4
N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by W.	5	5
N.W. by W.	5	N.W. by W.	5	N.W. by W.	5	N.W.	5	N.W.	4	N.W.	5	6
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	6	N.W. by N.	6	N.W. by N.	5	7
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	2	8
N.W. by N.	4	N.W. by N.	2	N.W. by N.	2	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	9
—	—	—	—	—	—	—	—	—	—	—	—	10
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	11
N.W. by N.	5	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	—	Calm.	12
N.W. by N.	5	N.W. by N.	6	N.W. by N.	4	N.W. by N.	3	N.W.	4	N.W. by N.	5	13
N.W. by W.	2	N.W. by W.	5	W.	1	—	Calm.	—	Calm.	S.W. by W.	5	14
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W.	5	N.W.	5	15
N.W. by W.	5	N.W. by W.	5	N.W.	6	N.W.	4	N.W.	4	N.N.W.	5	16
—	—	—	—	—	—	—	—	—	—	—	—	17
W.	4	N.W. by W.	2	N.W. by W.	2	N.W. by N.	2	—	Calm.	—	Calm.	18
S.	4	S.	3	—	Calm.	—	Calm.	S.	1	S.	1	19
—	Calm.	N.W. by N.	2	N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	N.W.	4	20
N.W. by W.	5	N.W. by W.	5	N.W. by W.	5	N.W. by W.	4	N.W. by W.	2	N.W. by W.	2	21
N.W. by W.	2	N.W. by W.	1	N.W. by W.	1	N.W. by W.	1	N.W. by W.	5	N.W. by W.	5	22
W. N. W.	5	W. N. W.	5	W. N. W.	6	W. N. W.	6	W. N. W.	6	N.W. by N.	6	23
—	—	—	—	—	—	—	—	—	—	—	—	24
N.W. by N.	5	N.W.	5	N.W. by W.	5	—	Calm.	—	Calm.	—	Calm.	25
N. by W.	2	—	Calm.	—	Calm.	N. by W.	4	N. by W.	4	N. by W.	2	26
N. by W.	1	N. by W.	4	N. by W.	5	N. by W.	4	N. by W.	4	N. by W.	2	27
—	Calm.	N.	2	N.	2	N.	4	N.	2	N. by W.	2	28
N. by W.	2	N. by W.	2	N. by W.	4	N.	2	N.	2	N.	5	29
—	Calm.	—	Calm.	—	Calm.	N.W.	2	N. by W.	4	N.	3	30
N. by E.	4	N. by E.	4	N. by E.	2	N. by E.	2	N. by E.	2	—	Calm.	31
N. by W.	4	N. by W.	4	N. by W.	2	N. by W.	2	N. by W.	2	—	Calm.	1
—	Calm.	N. by W.	2	N. by W.	2	N. by W.	2	N. by W.	4	N. by W.	2	2
—	Calm.	—	Calm.	N. by E.	2	—	Calm.	N. by E.	4	N.W.	4	3
S. by W.	5	S. by W.	4	S. by W.	6	S. by W.	5	S. by W.	5	S. by W.	5	4
S. by W.	4	S. by W.	4	W. by S.	4	—	Calm.	S. by W.	4	—	4	5
S.W. by W.	4	S.W. by W.	4	S. by W.	2	S. by W.	2	S. by W.	2	S. by W.	2	6
—	—	—	—	—	—	—	—	—	—	—	—	7
N.W. by N.	2	N.W. by N.	1	N.W. by N.	2	N.W. by N.	2	N.W. by N.	2	N.W. by N.	2	8
—	Calm.	N.W. by N.	3	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	9
N.W. by N.	2	N.W. by N.	1	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N.W. by N.	2	10
N. by W.	5	N. by W.	5	N. by W.	5	N. by W.	5	N. by W.	4	N. by W.	4	11
N.W. by N.	6	N.W. by N.	6	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N. by W.	4	12
N. by W.	4	N.W. by N.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	13
—	—	—	—	—	—	—	—	—	—	—	—	14
S. E. by S.	6	S. by W.	6	S. by W.	7	S. by W.	5	S. by W.	5	S. by W.	2	15
N.W. by N.	2	N. E. by N.	2	N. E. by N.	2	N. E. by N.	2	—	Calm.	N.W. by N.	2	16
N.W. by N.	5	N.W. by N.	6	N.W. by N.	4	N.W. by N.	4	N.N.W.	6	N.N.W.	4	17
N. N. W.	2	N. by W.	4	N. by W.	4	N.W. by N.	2	N.W. by N.	2	N.N.W.	2	18
N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	4	N.N.W.	2	19
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	2	N.W. by N.	4	N.N.W.	4	20
—	—	—	—	—	—	—	—	—	—	—	—	21
N.W. by N.	5	N.W. by N.	6	—	Calm.	S. E. by E.	2	S. S. E.	2	—	Calm.	22
N.W. by W.	2	N.W. by W.	4	W. N. W.	4	W. N. W.	5	N.W. by N.	6	N.W. by N.	7	23
W. N. W.	6	W. N. W.	6	W. N. W.	6	W. N. W.	2	W. N. W.	2	W. N. W.	6	24
N.W.	2	N.W.	4	N.W.	2	N.W.	2	N.W.	2	N.W. by N.	2	25
N.W.	2	N.W.	5	N.W.	4	N.W.	2	N.W. by N.	4	N.W. by N.	4	26
N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	NW. by N.	2	N.W. by N.	4	W. by N.	4	27
—	—	—	—	—	—	—	—	—	—	—	—	28
W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	2	N.W. by N.	4	29
N.W.	4	—	Calm.	N.W. by N.	1	N.W. by N.	2	N.	2	N. by E.	2	30
—	Calm.	S.W. by W.	1	W. N. W.	1	—	Calm.	—	Calm.	N. by W.	4	31

JULY.

AUGUST.

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	2	—	Calm.	1
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N. by W.	2	2
N.W. by N.	4	N.W. by N.	1	N.W. by N.	1	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	3
—	—	—	—	—	—	—	—	—	—	—	—	4
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1	S. by W.	1	S. by W.	1	5
—	Calm.	—	Calm.	N. E. by N.	1	N. E. by N.	1	—	Calm.	—	Calm.	6
—	Calm.	—	4	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N. by W.	1	7
—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	1	N.W. by N.	2	N.W. by N.	1	8
N.W. by N.	1	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by N.	4	9
N.W. by N.	5	N.W. by N.	4	N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	N.W. by N.	5	10
—	—	—	—	—	—	—	—	—	—	—	—	11
S.W. by W.	2	W. by N.	4	S.	2	N.W. by N.	2	S. E. by S.	1	—	Calm.	12
S. by E.	1	S. by E.	1	S. by W.	3	S. by E.	4	S. S.W.	1	S. S.W.	4	13
N.W. by N.	2	N.W. by N.	4	N.W. by N.	2	N.W. by N.	4	N.W. by N.	5	N.W. by N.	4	14
N.	1	N.	4	N.	4	N. by W.	5	N. by W.	5	N. by W.	5	15
N.W. by N.	4	N.W. by N.	4	—	Calm.	—	—	N. N.W.	4	N. by E.	4	16
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	—	Calm.	N.W. by N.	2	N.W. by N.	4	17
—	—	—	—	—	—	—	—	—	—	—	—	18
S. by W.	1	S.W. by S.	1	—	Calm.	S.W. by S.	2	—	Calm.	S.W. by S.	1	19
N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N. by W.	4	N. by W.	2	20
N.W. by N.	2	N.W. by N.	1	N.W. by N.	1	—	Calm.	S. E. by S.	2	S. E. by S.	2	21
—	Calm.	N. by E.	2	—	Calm.	N. by E.	2	N. by E.	2	N. by E.	2	22
N. by E.	2	—	Calm.	—	Calm.	N. by E.	1	N.	2	—	Calm.	23
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	24
—	—	—	—	—	—	—	—	—	—	—	—	25
—	Calm.	—	Calm.	N.W.	4	N.W.	4	N.W.	4	N.W.	3	26
N. by W.	4	N. N.W.	4	N. N.W.	5	N. by E.	5	N.	5	N.	5	27
N. by W.	5	N. by W.	6	N. by W.	4	—	Calm.	N. by W.	1	S.	1	28
N. by E.	4	N. by E.	5	N. by E.	2	N. by E.	4	N. by E.	4	N.W. by W.	2	29
N.W.	2	N.W.	2	N.W.	1	N.W.	2	N.W.	1	S. by W.	1	30
—	Calm.	N. by E.	1	N. by E.	1	N.W. by N.	1	N.W. by N.	2	N.W. by N.	1	1
—	—	—	—	—	—	—	—	—	—	—	—	2
W. S.W.	5	N.W. by N.	4	W.	4	S. E. by S.	4	N.W. by N.	4	W. by N.	6	3
W. N.W.	4	N.W.	3	N.W.	2	N.W.	2	N.W.	4	N.W. by N.	4	4
N.W. by N.	5	N.W. by N.	7	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	5
N.W. by N.	6	N.W. by N.	6	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	5	6
N.W. by N.	6	N.W. by N.	8	N.W. by N.	8	N.W. by N.	7	N.W. by N.	7	N.W. by N.	6	7
N. by W.	4	N. by W.	4	N. by W.	4	N. by W.	2	N. by W.	4	N.W. by N.	4	8
—	—	—	—	—	—	—	—	—	—	—	—	9
N.W. by N.	1	N.W. by N.	4	—	Calm.	—	Calm.	S. by E.	1	S. by E.	1	10
—	Calm.	—	Calm.	N.W. by N.	1	—	Calm.	—	Calm.	—	Calm.	11
S. by W.	4	S. by W.	2	S. by W.	2	—	Calm.	S. S.W.	1	S. S.W.	1	12
—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	2	N.W. by N.	2	S. E. by S.	2	13
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1	—	Calm.	N.W. by N.	2	14
—	Calm.	N. by E.	1	N. N.W.	1	N. N.W.	1	N. N.W.	4	N. N.W.	4	15
—	—	—	—	—	—	—	—	—	—	—	—	16
N.W. by N.	1	N.W. by N.	2	N.W. by N.	1	—	Calm.	—	Calm.	—	Calm.	17
N.W. by N.	1	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	18
S. by W.	5	S. by W.	6	S. by W.	6	S. by W.	6	S. by W.	4	—	Calm.	19
S. by W.	5	S. by W.	4	—	Calm.	S. by W.	1	S. by W.	2	S. by E.	4	20
S. by E.	2	S. by E.	2	S. by E.	1	—	Calm.	S. S. E.	1	S. S. E.	4	21
W. by N.	1	W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	—	Calm.	22
—	—	—	—	—	—	—	—	—	—	—	—	23
S.W. by W.	4	S.W. by S.	2	S. by E.	3	S. by E.	5	S. by E.	4	S. by E.	4	24
—	Calm.	—	Calm.	—	Calm.	S. E. by S.	2	N. by E.	2	N. E. by N.	2	25
—	Calm.	—	Calm.	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N. N.W.	4	26
N. N.W.	4	N. by E.	2	N.W.	1	N. by W.	2	N. N.W.	2	N. by W.	2	27
N. N.W.	4	N. N.W.	8	N. N.W.	7	N.W. by N.	7	N.W. by N.	8	N.W. by N.	7	28
N.W. by N.	1	N.W.	1	N.W. by W.	1	N.W. by W.	1	N.W. by W.	1	W. by S.	4	29
—	—	—	—	—	—	—	—	—	—	—	—	30
N.W. by N.	1	N.W. by N.	1	N.W. by N.	2	N.W. by N.	4	N.W. by N.	1	N.W. by N.	1	31

SEPTEMBER.

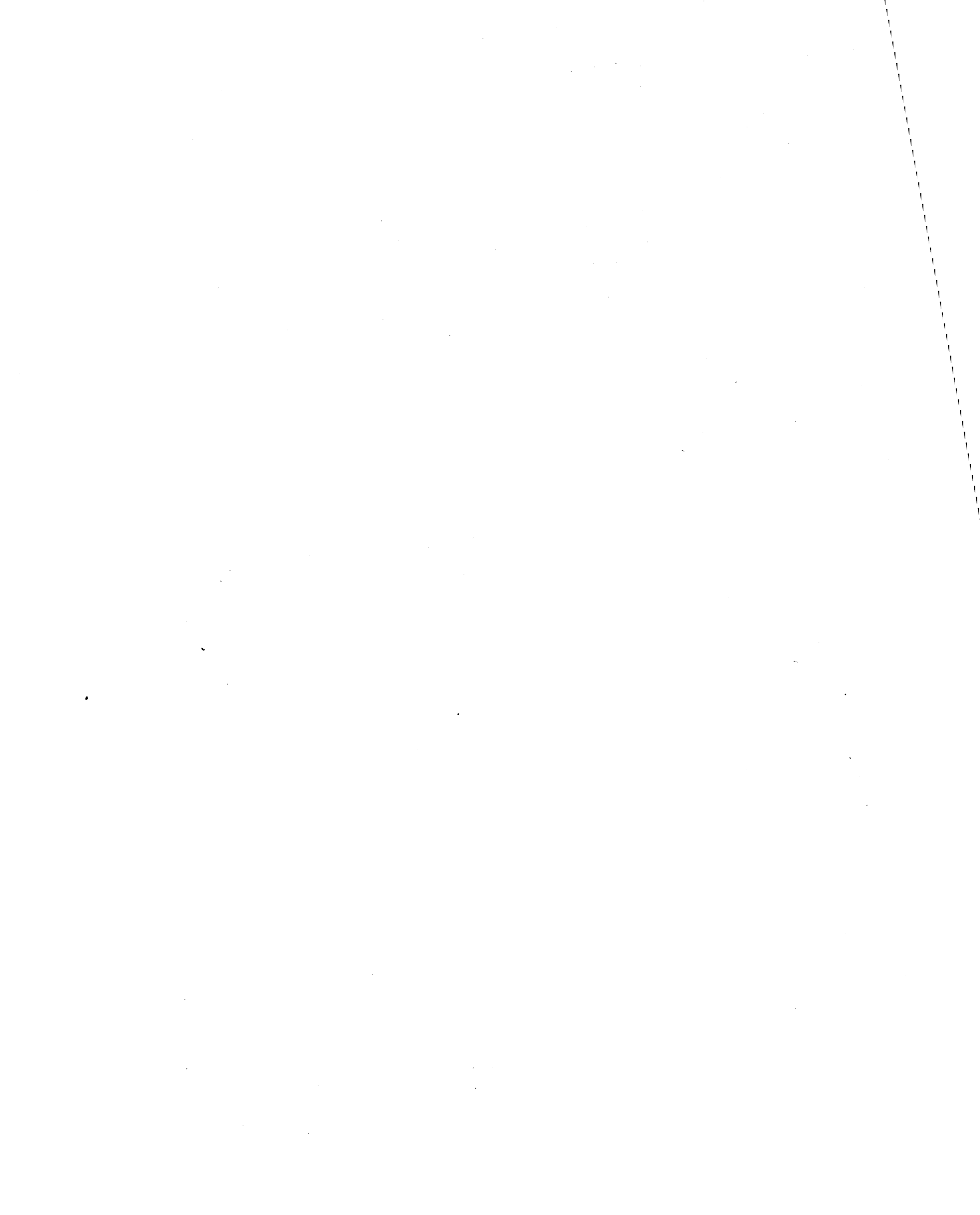
OCTOBER.

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
NOVEMBER.	1	E. by S.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1
	2	N. by W.	1	N. by W.	4	N. by W.	1	S. E. by S.	2	N.W. by N.	2	N.W. by N.	2
	3	N. W. by N.	2	—	Calm.	N.W. by N.	1	—	Calm.	—	Calm.	—	Calm.
	4	S. E. by S.	4	S. E. by S.	5	S. E. by S.	5	S. E. by S.	1	N.W. by N.	1	—	Calm.
	5	N. E. by N.	1	N. E. by N.	4	N. E. by N.	5	N. E. by N.	5	N. N.W.	1	N. by W.	4
	6	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	1
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	S. by E.	4	S. by E.	5	S. by E.	2	—	Calm.	—	Calm.	N. by W.	5
	9	N. W. by N.	9	N.W. by N.	4	N.W. by N.	4	—	Calm.	—	Calm.	S. E. by S.	1
	10	W. by S.	1	W. by S.	1	—	Calm.	—	Calm.	—	Calm.	W. by N.	1
	11	S. E. by S.	3	S. E. by S.	4	S. E. by S.	5	—	Calm.	—	Calm.	—	Calm.
	12	N. W.	4	N.W.	4	W. by N.	4	W. by N.	5	N.W.	4	N. by E.	4
	13	N.W. by N.	6	N.W. by N.	7	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	N.W. by N.	2	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	Calm.
	16	N. by W.	7	N. N.W.	7	N. N.W.	8	N. N.W.	6	N. N.W.	5	N. N.W.	5
	17	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5
	18	N.W. by N.	7	N.W. by N.	9	N.W. by N.	8	—	Calm.	—	Calm.	—	Calm.
	19	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	W. N.W.	5	W. N.W.	2	N. W. by W.	2
	20	N.W. by N.	5	S. E. by S.	5	S. E.	4	S. E.	2	S.W.	2	E. S. E.	2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	1	—	Calm.	—	Calm.
	23	S. E. by S.	6	S. E. by S.	4	S. E. by S.	2	—	Calm.	—	Calm.	—	Calm.
	24	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2
	25	N.W.	6	N.W.	5	N.W.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4
	26	N.W.	4	N.W.	4	N.W.	4	N.W. by N.	4	N. N.W.	4	N.W.	4
	27	N.W. by N.	2	—	Calm.	S. S. E.	4	S. by W.	2	—	Calm.	—	Calm.
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	S. W. by W.	4	S. W. by W.	4	S. W. by W.	6	S. W. by W.	4	N.W.	4	W. N.W.	4
	30	N.W. by W.	4	S. E. by S.	5	S. E. by S.	2	—	Calm.	—	Calm.	—	Calm.
DECEMBER.	1	N.W. by N.	4	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	4	N.W. by N.	4
	2	N.W. by N.	1	S. E. by S.	1	W. N.W.	1	W. N.W.	1	W. N.W.	4	N.W. by W.	4
	3	S.W. by W.	1	S.W.	4	S.W. by W.	4	—	Calm.	—	Calm.	W.	4
	4	S. S. E.	3	S. S. E.	4	S. S. E.	4	S. S. E.	4	S. E. by E.	1	S. E. by E.	1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	S. E. by S.	4	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	S. E. by S.	2
	7	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	Calm.
	8	S. E. by S.	6	S. E. by S.	6	S. E. by S.	2	S. E. by S.	4	S. E. by S.	1	—	Calm.
	9	S. E. by S.	6	S. E. by S.	5	S. E. by S.	5	S. E. by S.	1	S. E. by S.	1	S. E. by S.	1
	10	S. E. by S.	2	S. E. by S.	4	S. E. by S.	1	—	Calm.	—	Calm.	—	Calm.
	11	S. E. by S.	6	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	1	—	Calm.
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	S. E. by S.	5	S. by E.	5	S. by E.	5	S. by E.	2	S. by E.	4	S. by E.	5
	14	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	Calm.	—	Calm.
	15	S. by E.	4	S. by E.	4	S.W. by W.	2	—	Calm.	—	Calm.	—	Calm.
	16	N.W. by N.	6	N.W. by N.	7	N.W. by N.	6	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5
	17	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	2	N.W. by N.	4	N.W. by N.	5
	18	N.W. by N.	2	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	1
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	S. E. by S.	6	S. S. E.	6	S. S. E.	4	S. S. E.	1	N.W. by N.	1	N.W. by N.	2
	21	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by W.	5
	22	N. N.W.	7	N. N.W.	6	N.	5	N.W. by N.	6	N.W. by N.	5	N.W. by N.	6
	23	N.W. by W.	8	N.W. by W.	8	N.W. by W.	6	S. by W.	4	N. by E.	2	W. by N.	2
	24	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	2
	25	N.	4	N.	1	N. N.W.	2	N. N.W.	5	N.	4	N.	5
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	S. by W.	1	S. S. E.	2	S. S. E.	6	S. S. E.	4	S. S. E.	5	S. S. E.	4
	28	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	3	—	Calm.
	29	E. by N.	2	E. by N.	2	E. by N.	2	E. by N.	1	N. by W.	2	N. by W.	2
	30	—	Calm.	—	Calm.	S.	1	S. by E.	2	S. S. E.	2	S. S. E.	4
	31	S. E. by S.	5	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	—	Calm.	—	Calm.

DIRECTION AND FORCE OF THE WIND.												Mean Van Diemen Island Time, Astronomical Reckoning.	
13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .			
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1	N. by W.	1	N. by W.	1	1	
N.W. by N.	4	N.W. by N.	4	N.W. by N.	1	N.W. by N.	1	N.W. by N.	2	N.W. by N.	4	2	
N.W. by N.	4	N.W. by N.	4	N.W. by N.	1	N.W. by N.	2	—	Calm.	S.E. by S.	1	3	
—	Calm.	N. by W.	4	N. by E.	4	N. by E.	2	—	Calm.	N.E. by N.	1	4	
N. by W.	1	N. by W.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
—	Calm.	N. by W.	2	N. by W.	5	—	Calm.	—	Calm.	—	Calm.	7	
N. by W.	7	N. by W.	2	N. by W.	2	N. by W.	4	N. by W.	5	N.W. by N.	8	8	
S.E. by S.	1	—	Calm.	—	Calm.	N. by W.	2	N. by W.	4	S. by W.	8	9	
—	Calm.	N.W. by N.	2	N.W. by N.	1	N.W. by N.	2	N.W. by N.	2	—	Calm.	10	
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N. by W.	4	N. by W.	1	N.W.	3	11	
N. by E.	5	N. by E.	5	N. by W.	5	N. by W.	4	N. by W.	2	N.W. by N.	4	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
W. by N.	2	W. by N.	2	W. by N.	2	W. by N.	1	W. by N.	1	N.W. by N.	1	14	
N.W. by N.	1	N.W. by N.	2	—	Calm.	N.W. by N.	2	N.W. by N.	1	N. by W.	1	15	
N.N.W.	6	N.N.W.	5	N.N.W.	2	N.N.W.	2	N.N.W.	4	N.N.W.	5	16	
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	7	N.W. by N.	7	N.W. by N.	5	17	
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	2	N.W. by N.	4	N.W. by N.	6	18	
N.W. by W.	4	N.W. by W.	4	N.W. by W.	2	—	Calm.	—	Calm.	—	Calm.	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
N.W. by N.	4	N.W. by N.	1	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	21	
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	1	S.E. by S.	1	22	
S.E. by S.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	—	Calm.	S.E. by S.	2	23	
S.E. by S.	2	—	Calm.	N.W.	4	N.N.W.	3	N.N.W.	3	N.W. by N.	4	24	
N.W. by N.	1	—	Calm.	—	Calm.	N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	25	
N.W.	4	N.W.	1	—	Calm.	—	Calm.	N.W. by N.	4	N.W. by N.	2	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
N.W. by N.	5	W. by N.	5	W. by N.	4	N.W.	2	N.W.	4	S.W. by W.	4	28	
W.N.W.	4	—	Calm.	—	Calm.	W.N.W.	1	N.W. by W.	1	N.W. by W.	1	29	
N.W. by W.	1	N.W. by W.	1	—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	2	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	
N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W. by N.	4	N.W. by N.	4	1	
—	Calm.	W.	1	—	Calm.	S.S.E.	1	S.S.E.	2	S.	3	2	
—	—	—	—	—	—	—	—	—	—	S.S.E.	4	3	
S.E. by E.	1	—	Calm.	S.E. by S.	1	—	Calm.	—	Calm.	S.E. by S.	1	4	
—	Calm.	—	Calm.	—	Calm.	N. by W.	1	N. by W.	2	S.E. by S.	2	5	
N.W. by N.	1	—	Calm.	—	Calm.	—	1	—	Calm.	S.E. by S.	4	6	
S.E. by S.	1	S.E. by S.	1	—	Calm.	—	Calm.	S.E. by S.	1	S.E. by S.	5	7	
—	Calm.	—	Calm.	—	Calm.	S.E. by S.	1	—	Calm.	S.E. by S.	1	8	
—	Calm.	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	2	S.E. by S.	4	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
S.E. by S.	2	S.E. by S.	2	S.E. by S.	2	S.E. by S.	1	S.E. by S.	2	S.E. by S.	2	11	
S. by E.	2	S. by E.	2	S. by E.	2	S. by E.	2	S. by E.	2	S.E. by S.	4	12	
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	2	N.W. by N.	2	S.E. by S.	1	13	
N.W. by N.	4	N.W. by N.	4	N.W. by N.	1	N.W. by N.	2	N.W. by N.	5	N.W. by N.	5	14	
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	15	
N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
—	Calm.	W. by N.	4	N.W. by N.	1	—	Calm.	—	Calm.	S.E. by S.	2	18	
N.N.W.	2	—	Calm.	N.N.W.	1	N.N.W.	1	N.N.W.	2	N.W. by W.	2	19	
N.N.W.	5	N.N.W.	5	—	Calm.	N.N.W.	6	N.N.W.	6	N.N.W.	6	20	
N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	6	N.W. by W.	8	21	
N.N.W.	4	N.N.W.	4	N.N.W.	2	N.N.W.	2	N.W. by N.	2	N.W. by N.	1	22	
N.W. by N.	1	N.W. by N.	1	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N. by W.	4	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	Calm.	S.W. by W.	1	S.W. by W.	1	S.W.	1	S.W.	1	S. by W.	2	25	
—	Calm.	—	Calm.	S. by E.	1	S. by E.	1	S. by W.	2	S.S.E.	5	26	
—	Calm.	—	Calm.	—	Calm.	N. by W.	2	—	Calm.	—	Calm.	27	
N. by W.	5	N. by W.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.	28	
—	Calm.	S.S.E.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	29	
S.E. by E.	—	S.E. by S.	—	S.E. by S.	—	N.W. by N.	—	S.E. by S.	1	S.E. by S.	1	30	
—	—	—	—	—	—	—	—	N.W. by N.	—	N.W. by N.	—	31	

NOVEMBER.

DECEMBER.



VAN DIEMEN ISLAND, 1841.

METEOROLOGICAL JOURNAL.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JANUARY.										
d.	h.							In.		
1	3	75°·6	51°·0	°	°	°	°	0·0		
1	9	62·0	56·0	82·5	50·0	66·3	—	0·0		
1	15	53·0	49·0					0·0		
1	21	67·2	55·0					0·0		
2	3	71·8	60·0					0·0		
2	9	55·4	51·0					1·0		
Sunday 21										
3	15	52·0	49·0	70·5	50·2	60·4	124·5	0·0		
3	21	65·5	54·0					0·0		
4	3	77·5	51·5	76·8	57·8	67·3	116·0	0·0	Hazy.	
4	9	61·5	53·0					1·0	Gloomy.	
4	15	58·0	52·0					1·0	Gloomy.	
4	21	68·0	49·0					1·0	Gloomy.	
5	3	75·8	51·0					0·64		
5	9	60·5	57·0	75·0	54·2	64·6	121·5	0·0		
5	15	54·2	51·0					0·0		
5	21	70·5	48·0					0·0		
6	3	80·5	51·0					0·0		
6	9	63·8	51·0					0·0	Hazy.	
6	15	59·0	54·0	82·0	55·5	68·8	126·0	0·0		
6	21	73·0	55·5					0·75	Pressure at 22 ^h , 5 lbs.	
7	3	93·0	57·0	95·5	65·2	80·4	—		Hot and oppressive, from 1 ^h .	
7	9	76·0	61·0					—	Sultry.	
7	15	65·8	62·0					1·0		
7	21	74·0	50·0					0·5		
8	3	68·2	55·0					1·0		
8	9	59·0	53·0	74·0	56·2	65·1	—	1·0		
8	15	58·5	50·5					1·0		
8	21	71·0	48·0					0·25		
9	3	78·0	52·0					0·15		
9	9	62·5	51·0					1·0	0·02	Gloomy.
Sunday 21										
10	15	55·4	44·0	66·5	55·8	61·2	—	0·25		
10	21	66·5	46·0					0·25	Pressure at 23 ^h , 7 lbs.	
11	3	79·5	51·0	81·0	53·5	67·3	—	0·35	Pressure at 1 ^h , 9 lbs.; at 3 ^h , 7 lbs.	
11	9	56·0	37·0					1·0	Gloomy, with squalls.	
11	15	52·5	38·5					0·75		
11	21	67·2	41·0					0·25		
12	3	81·5	47·0					0·0	Hazy.	
12	9	59·2	48·0	83·7	50·4	67·0	110·0	0·0	Hazy.	
12	15	52·5	49·5					0·0	Hazy.	
12	21	67·0	50·0					0·0	Hazy.	
13	3	77·5	53·0					0·0	Hazy.	
13	9	60·0	56·0					77·5	52·2	64·9	109·0	0·0	Hazy.
13	15	52·8	51·0	0·0	Heavy dew.					
13	21	73·2	51·0	0·0	Hazy.					
14	3	75·0	61·0	0·0	Hazy.					
14	9	63·2	59·0	88·0	59·2	73·6	—			
14	15	61·5	45·0					0·0		
14	21	66·2	46·0					0·5		
15	3	72·5	52·0					1·0		
15	9	60·2	50·0					77·5	56·8	67·2	124·0	1·0	Gloomy.
15	15	59·5	52·0	1·0	Gloomy.					
15	21	70·5	48·0	1·0	Gloomy.					
16	3	82·0	—	1·0	Thick mist.					
16	9	64·2	44·0	0·5						
Sunday 21										
17	15	59·2	52·0	80·5	56·5	68·5	117·0	1·0	Gloomy.	
17	21	72·0	51·0					1·0	Gloomy.	
18	3	88·4	55·0	89·8	61·5	75·7	136·8	0·0	Hazy.	
18	9	71·5	52·0					0·0	Hazy.	
18	15	63·0	—					0·0	Squalls.	
18	21	71·0	51·0					0·0	Hazy.	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JANUARY.										
D.	H.							In.		
19	3	74.5	60.0	°	°	°	°	1.0	—	Misty.
19	9	64.0	60.0	93.5	60.0	76.8	93.0	1.0	—	Pressure at 10 ^h , 8 lbs.
19	15	—	—					1.0	—	Gloomy; pressure from 9 ^h , occasionally 4 lbs.
19	21	65.8	44.0	73.5	53.2	63.4	—	1.0	—	Gloomy.
20	3	75.5	—					1.0	—	Squally.
20	9	58.7	—	81.2	56.5	68.9	91.5	0.5	—	Squally.
20	15	52.0	43.5					0.0	—	Misty.
20	21	68.0	48.0	83.0	53.0	68.	106.0	0.0	—	Misty.
21	3	72.8	54.0					0.0	—	Misty.
21	9	61.0	54.0	86.0	61.0	73.5	93.5	1.0	—	Misty.
21	15	56.2	50.0					0.5	—	Pressure at 17 ^h , 7 lbs.
21	21	70.0	46.0	86.2	51.5	68.9	113.0	0.0	—	Misty.
22	3	79.8	43.0					0.0	—	Pressure at 1 ^h , 6 lbs.
22	9	57.8	48.0	75.5	50.8	63.2	118.5	0.15	—	
22	15	53.0	39.0					0.0	—	
22	21	60.4	38.0	84.5	57.0	70.8	102.0	1.0	—	Misty.
23	3	65.6	—					0.36	—	Gloomy.
23	9	53.0	37.0	83.0	53.2	68.1	105.0	0.15	—	Squally.
Sunday	21							1.0	—	Gloomy.
24	15	53.5	50.0	88.0	61.0	73.5	93.5	1.0	—	Misty.
24	21	68.0	53.0					0.0	—	Hazy; pressure at 0 ^h , 5 lbs.
25	3	85.5	49.0	88.2	51.5	68.9	113.0	0.0	—	Hazy.
25	9	71.5	53.0					0.0	—	Misty.
25	15	62.8	55.0	88.5	51.5	68.9	113.0	1.0	—	Gloomy; heavy squalls with rain at 23 ^h ; pressure at 22 ^h , 5 lbs.
25	21	61.0	51.0					0.0	—	Squally with passing showers; pressure at 1 ^h , 7 lbs.
26	3	66.5	41.0	88.5	51.5	68.9	113.0	0.0	—	
26	9	53.8	40.0					0.15	—	
26	15	50.5	37.0	88.5	51.5	68.9	113.0	0.15	—	
26	21	65.0	41.0					0.0	—	Misty.
27	3	70.8	49.0	88.5	51.5	68.9	113.0	0.0	—	Misty.
27	9	57.5	45.0					0.0	—	Misty.
27	15	52.5	49.0	88.5	51.5	68.9	113.0	0.25	—	
27	21	70.0	49.0					0.0	—	Misty.
28	3	76.5	56.0	88.5	51.5	68.9	113.0	0.0	—	Thick mist.
28	9	61.3	56.0					0.0	—	Thick mist.
28	15	56.5	54.0	88.5	51.5	68.9	113.0	1.0	—	Gloomy.
28	21	67.8	53.0					0.36	—	
29	3	80.0	47.0	88.5	51.5	68.9	113.0	0.15	—	
29	9	61.2	42.0					1.0	—	Squally.
29	15	54.2	37.0	88.5	51.5	68.9	113.0	0.25	—	
29	21	63.8	39.0					1.0	—	Gloomy.
30	3	68.0	46.0	88.5	51.5	68.9	113.0	1.0	—	Misty.
30	9	55.5	45.0					1.0	—	Misty.
Sunday 21										
31	15	52.2	48.0	76.0	52.8	64.4	112.0	0.0	—	Very hazy.
31	21	63.5	49.0					0.0	—	A thick haze.
FEBRUARY.										
1	3	77.0	56.0	79.5	57.5	68.5	—	0.0	—	Fresh sea-breeze; thick haze.
1	9	63.0	54.5							0.0	—	Thick haze.
1	15	58.0	46.0	77.8	56.0	66.9	—	0.0	—	Clear in zenith; haze below.
1	21	69.5	55.0							0.0	—	Hazy.
2	3	72.8	—	77.8	56.0	66.9	—	1.0	0.31	Overcast and cloudy; light showers.
2	9	64.0	62.0							1.0	0.31	Overcast and cloudy; hard rain till 11^{h} 20^{m}.
2	15	60.0	60.0	75.0	56.5	65.8	—	1.0	0.56	Overcast; misty.
2	21	67.0	57.0							1.0	0.56	Well-defined masses of cumuli.
3	3	62.5	60.0	74.5	56.2	65.4	100.0	1.0	0.30	Overcast, with heavy rain.
3	9	57.2	56.0							1.0	0.30	Overcast, with rain.
3	15	55.5	54.0	74.5	56.2	65.4	100.0	1.0	0.30	Overcast; rain ceased at 13 ^h 30 ^m .
3	21	64.0	57.0							1.0	0.30	Overcast.
4	3	63.5	61.0	74.5	56.2	65.4	100.0	1.0	0.30	Overcast, with rain; ceased at 3 ^h 30 ^m .
4	9	61.4	56.0							0.75	0.30	Heavy clouds; occasional showers.
4	15	58.5	53.0	74.5	56.2	65.4	100.0	0.15	0.30	Calm and clear.
4	21	68.2	55.0							0.5	0.30	Misty.

* Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
FEBRUARY.										
D.	H.	°	°	°	°	°	°	In.		
5	3	68.2	61.0	74.2	55.6	64.9	—	0.75	Fresh sea-breeze; partially clouded.	
5	9	60.0	56.0					0.75	Becoming gradually overcast.	
5	15	57.0	55.0					1.0	Overcast; inclined to rain.	
5	21	65.5	55.0					0.75	Partially clouded.	
6	3	66.0	55.0					1.0	Overcast and clouded.	
6	9	55.8	53.0					0.15	Calm and clear.	
Sunday 21										
7	15	54.5	48.0	76.0	53.7	64.9	116.0	0.0	Clear; lunar halo at 13 ^h 30 ^m , diameter 22° 20'.	
7	21	66.0	49.0					0.0	Strong breeze and squally; distant objects very visible.	
8	3	84.4	53.0	86.4	59.0	72.7	113.0	0.0	Clear; fresh N. wind; force at 0 ^h , 5 lbs; at 1 ^h , 7 lbs.	
8	9	63.5	52.0					0.0	Clear.	
8	15	60.8	55.0					0.0	Clear; fresh northerly breeze.	
8	21	70.5	55.0					0.25	Wind moderating; clouding.	
9	3	70.5	57.0					0.25	Clear; moderate sea-breeze.	
9	9	58.5	52.0					81.8	56.5	69.2	134.0	0.25	Calm; heavy bank of clouds in the S.W.
9	15	55.8	55.0	0.0	Clear.					
9	21	70.2	51.0	0.0	Light haze over the land.					
10	3	72.5	64.0	90.2	55.5	72.9	126.0	0.0	Haze over the land; moderate sea-breeze.	
10	9	60.2	58.0					0.0	Clear.	
10	15	61.2	59.5					1.0	Calm; inclined to rain.	
10	21	72.6	58.0					0.75	Calm; gloomy.	
11	3	80.0	65.0					—	Light sea-breeze, much haze.	
11	9	63.5	58.0					79.5	56.4	67.9
11	15	59.6	58.0	0.0	Clear; haze over the land.					
11	21	70.5	62.0	0.0	Haze.					
12	3	76.8	63.5	—	Much haze; light sea-breeze.					
12	9	61.8	61.6	77.0	56.2	66.6	122.0	0.75	Overcast and gloomy.	
12	15	60.4	58.0					1.0	Overcast, inclined to rain.	
12	21	70.4	61.0	1.0	Overcast.					
13	3	78.5	64.0	—	Hazy.					
13	9	65.0	62.0	1.0	Overcast and hazy.					
Sunday 21										
14	15	49.8	47.0	91.6	47.6	69.6	113.0	0.0	Sea-breeze commenced with a violent squall at 0 ^h 30 ^m .	
14	21	62.6	44.0					0.0	Calm; light breeze, distant objects very visible.	
15	3	70.5	52.0	75.2	57.3	66.3	110.0	0.25	Clear; a mist over the land.	
15	9	60.0	53.0					1.0	Much haze.	
15	15	58.8	52.0					1.0	Overcast and gloomy.	
15	21	65.2	55.0					1.0	Gloomy inclined to rain.	
16	3	74.5	56.0					0.0	Overcast and gloomy.	
16	9	61.7	56.0					0.0	Hazy as usual with the sea-breeze.	
16	15	54.5	53.0	76.0	52.0	64.0	107.0	0.0	Calm and clear.	
16	21	67.2	50.0					0.0	Clear and calm; heavy dew.	
17	3	77.0	58.0	81.2	60.6	70.9	111.0	1.0	Haze over the land.	
17	9	69.5	64.0					1.0	Overcast and gloomy.	
17	15	63.5	63.0					1.0	Overcast and gloomy; lightning; heavy rain at 11 ^h .	
17	21	66.0	56.0					1.0	Overcast and gloomy.	
18	3	72.5	45.0					0.5	Gloomy.	
18	9	57.5	48.0					0.25	Clouds breaking.	
18	15	54.4	49.0	74.5	54.5	64.5	—	0.25	Distant lightning to the South.	
18	21	60.4	48.0					1.0	Overcast and cloudy.	
19	3	71.5	46.0	74.0	65.5	69.8	97.5	1.0	Overcast and gloomy.	
19	9	53.5	42.0					1.0	Gloomy; inclined to rain.	
19	15	49.0	42.0					0.25	A few dark clouds.	
19	21	58.5	43.0					0.25	A few heavy clouds.	
20	3	71.5	—					0.25	Light haze.	
20	9	58.0	42.0					1.0	Overcast and gloomy.	
Sunday 21										
21	15	53.6	53.0	80.0	52.8	66.4	124.0	0.0	Calm and clear.	
21	21	66.5	54.0					0.0	Calm; light haze.	
22	3	72.0	58.0	74.5	50.7	62.6	93.0	0.0	Sea-breeze, with haze.	
22	9	59.6	57.0					0.75	Becoming overcast and gloomy.	
22	15	58.0	49.0					0.75	Clear, with strong N. breeze; force at 12 ^h 30 ^m , 4 lbs.	
22	21	53.8	49.5					1.0	Overcast; gloomy, with fresh S.W. wind.	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
FEBRUARY.										
D.	H.	°	°	°	°	°	°	In.		
23	3	64.5	41.0	°	°	°	°	0.50	In.	Squally; force at 0 ^h , 5 lbs.; at 3 ^h , 5 lbs.
23	9	53.0	39.0	64.0	50.8	57.4	122.0	1.0	—	Calm; overcast and gloomy.
23	15	—	—					1.0	—	Overcast and gloomy.
23	21	59.8	49.0	78.5	50.5	64.5	117.0	1.0	—	Overcast and gloomy.
24	3	74.5	49.0					0.25	—	Haze with the sea-breeze.
24	9	58.3	53.0	77.0	54.5	65.8	114.0	0.75	—	Haze.
24	15	53.0	51.0					0.0	—	Clear.
24	21	64.0	49.0	85.5	47.5	66.5	—	0.0	—	Calm and hazy.
25	3	77.6	57.0					0.0	—	Much haze.
25	9	59.6	59.0	77.0	54.5	65.8	114.0	0.0	—	Clear.
25	15	59.0	53.0					0.15	—	Partially overcast.
25	21	73.0	56.0	85.5	47.5	66.5	—	1.0	—	Mist.
26	3	67.0	60.0					1.0	—	Overcast; rain commencing.
26	9	56.5	55.0	77.0	54.5	65.8	114.0	1.0	1.14	Heavy rain.
26	15	49.2	47.0					1.0	—	Rain.
26	21	49.5	46.0	85.5	47.5	66.5	—	1.0	—	Overcast and squally.
27	3	53.5	52.0					1.0	—	Squally with rain.
27	9	50.2	48.5	77.0	54.5	65.8	114.0	1.0	0.08	Steady rain.
Sunday	21	—	—					1.0	—	—
28	15	50.5	43.0	64.5	48.7	56.6	—	1.0	—	Gloomy.
28	21	56.5	43.0					1.0	—	Overcast.
MARCH.										
1	3	57.2	50.0	59.0	50.0	54.5	—	1.0	—	Overcast; drizzle.
1	9	50.5	42.0					1.0	—	Overcast; drizzle.
1	15	52.0	43.0	64.5	47.5	56.0	132.5	1.0	—	Overcast.
1	21	55.2	45.0					1.0	—	Overcast.
2	3	60.0	47.0	74.2	51.0	62.6	121.0	0.9	—	Heavy cumuli.
2	9	54.8	48.0					1.0	—	Overcast and gloomy.
2	15	52.8	49.0	73.8	50.7	62.3	133.0	1.0	—	Overcast and cloudy.
2	21	56.8	50.0					0.25	—	Fine.
3	3	71.5	58.0	82.0	62.2	72.1	107.0	0.0	—	Clear.
3	9	57.0	54.0					0.0	—	Clear and calm.
3	15	52.8	50.5	73.8	50.7	62.3	133.0	0.0	—	Clear; fresh northerly wind.
3	21	62.5	46.0					0.0	—	Clear; light breeze.
4	3	73.2	—	82.0	62.2	72.1	107.0	0.0	—	Cirrus haze over the land.
4	9	58.0	55.0					0.0	—	Clear and calm.
4	15	51.8	51.5	73.8	50.7	62.3	133.0	0.0	—	Clear and calm; heavy dew.
4	21	63.8	50.0					0.0	—	Thin haze diffused.
5	3	81.8	54.0	82.0	62.2	72.1	107.0	0.25	—	Light sea-breeze.
5	9	64.0	57.0					0.25	—	Calm.
5	15	64.0	54.0	73.8	50.7	62.3	133.0	0.25	—	Haze.
5	21	70.0	54.0					1.0	—	Overcast and gloomy.
6	3	70.2	66.0	82.0	62.2	72.1	107.0	1.0	—	Overcast; heavy clouds gathering.
6	9	61.8	60.0					1.0	0.08	Overcast; misty.
Sunday	21	—	—	78.6	57.0	67.8	126.2	0.75	—	Calm; heavy dew.
7	15	58.2	58.2					0.0	—	Light mist over the land.
7	21	66.5	61.0	76.0	51.2	63.6	—	1.0	—	Becoming overcast.
8	3	71.5	61.0					1.0	0.25	Heavy rain.
8	9	60.0	60.0	76.0	51.2	63.6	—	1.0	—	Heavy clouds passing from southward.
8	15	54.5	53.0					1.0	—	Overcast and gloomy.
8	21	60.0	47.0	60.5	50.7	55.6	108.0	1.0	—	Overcast and gloomy.
9	3	57.0	44.0					1.0	—	Occasionally overcast.
9	9	53.0	47.0	70.5	46.2	58.4	122.0	0.33	—	Overcast and gloomy.
9	15	51.5	46.0					1.0	—	Overcast and gloomy.
9	21	56.5	48.0	67.0	45.8	56.4	126.0	1.0	—	Overcast and gloomy.
10	3	66.0	51.0					0.75	—	Clouds breaking.
10	9	53.5	51.0	70.5	46.2	58.4	122.0	0.0	—	Clear.
10	15	48.5	48.0					0.0	—	Clear.
10	21	56.2	51.0	70.5	46.2	58.4	122.0	0.0	—	Light mist.
11	3	69.3	52.0					0.15	—	Hazy.
11	9	54.2	53.0	70.5	46.2	58.4	122.0	0.25	—	Hazy; dew.
11	15	49.0	48.5					0.0	—	Heavy dew.
11	21	57.2	52.0	0.25	—	Mist over the land.				

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
MARCH.										
D.	H.	°	°	°	°	°	°	In.		
12	3	68.0	59.0	76.0	52.5	64.3	106.0	0.75	—	Clouds collecting.
12	9	58.4	57.0					1.0	—	Overcast.
12	15	56.5	55.0					1.0	—	Overcast and gloomy.
12	21	60.8	57.0					1.0	—	Overcast and gloomy.
13	3	67.4	58.0					1.0	—	Overcast.
13	9	55.8	55.0	1.0	—	Overcast; occasional squalls.				
Sunday 21										
14	15	54.0	52.0	70.5	50.7	60.6	132.5	0.0	—	Occasional light clouds.
14	21	60.5	53.0					0.0	—	Thin haze.
15	3	75.0	55.0					0.25	—	Clear.
15	9	59.8	57.0	75.4	52.5	63.9	130.0	0.0	—	Dew.
15	15	53.5	53.0					0.0	—	Heavy dew.
15	21	61.8	56.0					0.0	—	Thin haze.
16	3	75.2	60.0					0.0	—	Slight haze.
16	9	60.0	—					0.0	—	Calm and clear.
16	15	54.0	53.0	76.0	52.4	64.2	130.0	0.0	—	Calm and clear; slight appearance of aurora at 17 ^h .
16	21	64.4	58.0					0.0	—	A few fleecy clouds.
17	3	74.0	60.0					0.15	—	Thin haze.
17	9	61.5	55.0	80.5	55.2	67.9	140.0	0.0	—	Calm.
17	15	56.2	55.0					0.0	—	Wind increasing.
17	21	66.5	57.0					0.0	—	Slight haze.
18	3	78.5	62.0					0.0	—	Light sea-breeze.
18	9	64.0	62.0					0.0	—	A hot wind at 11 ^h .
18	15	65.0	51.0	82.0	61.0	71.5	123.0	1.0	—	Overcast.
18	21	72.5	54.0					0.15	—	Light haze.
19	3	69.8	60.0					1.0	—	Overcast.
19	9	59.5	58.5	76.0	53.7	64.9	133.0	1.0	—	Overcast, with light rain.
19	15	57.0	56.0					0.0	—	Hazy. [N.W.]
19	21	66.0	55.0					0.5	—	Violent squalls at 23 ^h ; wind veered from S.E. to N.E. then to
20	3	71.5	57.0					.25	—	Sea-breeze.
20	9	60.4	52.0					.50	—	Light airs.
Sunday 21										
21	15	56.0	50.0	65.2	55.0	60.1	—	1.0	—	Heavily clouded.
21	21	62.5	55.0					1.0	—	Overcast.
22	3	69.8	59.0					1.0	—	Overcast and gloomy.
22	9	63.0	61.0	71.2	60.3	65.8	125.0	1.0	—	Overcast.
22	15	63.0	58.0					1.0	—	Overcast; faint appearance of aurora.
22	21	67.2	59.0					1.0	—	Overcast.
23	3	88.0	53.0					0.5	—	Hot wind in heavy squalls, from 1 ^h ; pressure at 3 ^h , 27 lbs.
23	9	68.2	55.0					0.15	—	Pressure at 5 ^h , 20 lbs.; at 7 ^h , 14 lbs.
23	15	61.0	47.0	89.0	57.0	73.0	134.0	1.0	—	Pressure at 10 ^h , 4 lbs.; at 13 ^h , 4 lbs.
23	21	63.5	49.0					0.25	—	Thin haze.
24	3	76.5	54.0					0.15	—	Light sea-breeze.
24	9	59.0	58.0	77.5	50.0	63.8	—	0.0	—	A few light clouds occasionally.
24	15	54.8	52.5					0.0	—	A thin mist.
24	21	61.0	56.0					0.0	—	Clear.
25	3	79.0	54.0					0.0	—	Clear.
25	9	60.5	54.0					0.5	—	Calm.
25	15	57.0	45.0	81.5	51.5	66.5	—	1.0	—	Overcast and gloomy.
25	21	57.5	44.0					1.0	—	Overcast, with hard squalls.
26	3	57.5	34.0					0.25	—	Clear.
26	9	46.4	40.0	59.5	43.2	51.4	100.0	0.0	—	Clear to the South.
26	15	45.2	43.0					0.5	—	Clear.
26	21	55.5	39.5					0.25	—	Squally.
27	3	62.5	44.0					0.35	—	Clear.
27	9	55.5	45.0					0.5	—	Clear.
Sunday 21										
28	15	50.0	49.0	73.0	46.5	59.8	123.0	0.0	—	Heavy dew.
28	21	55.5	51.0					0.15	—	Calm.
29	3	69.5	56.0					0.0	—	Light haze.
29	9	55.8	54.0	70.5	53.2	61.9	125.0	1.0	—	Heavy clouds in the S.W.; otherwise clear.
29	15	56.0	55.0					1.0	—	Overcast.
29	21	57.2	53.5					0.0	—	Thin haze.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.					
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.									
MARCH.															
D.	H.	°	°	°	°	°		In.							
30	3	72.2	58.0	72.5	53.2	62.9	111.0	0.25	—	Light sea-breeze.					
30	9	58.0	57.0					0.0		Light haze.					
30	15	54.5	53.0					Becoming overcast; heavy dew.							
30	21	61.5	56.0					A few light fleecy clouds.							
31	3	75.2	—	79.2	55.5	67.4	—	0.25	—	Light haze.					
31	9	60.0	57.0					0.0		Light haze.					
31	15	56.5	53.0					0.75							
31	21	66.8	58.0					0.15							
APRIL.															
1	3	77.0	58.0	78.5	50.5	64.5	114.0	1.0	0.20	A fresh gale from 0 ^h to 5 ^h , with heavy rain.					
1	9	63.0	61.0					1.0		Pressure from 0 ^h to 3 ^h , 12 lbs.					
1	15	55.2	54.0					1.0		Overcast.					
1	21	56.5	45.0					0.0		Heavy bank to the east.					
2	3	61.0	47.0	67.2	44.5	55.9	94.0	0.36	—	Becoming gradually overcast.					
2	9	52.0	51.0					0.64		Clear.					
2	15	47.5	45.5					0.0		Becoming overcast.					
2	21	55.5	46.0					0.50		Overcast; showery.					
3	3	59.0	55.0	64.5	38.0	51.3	—	1.0	0.02	Overcast.					
3	9	52.8	51.5					1.0		Overcast.					
Sunday 21															
4	15	40.2	39.0					64.5		38.0	51.3	—	0.0	0.02	Much dew.
4	21	48.8	42.0	57.8	43.0	50.4	94.0	0.75	—	Drizzling rain at 23 ^h .					
5	3	56.4	47.0					0.36							
5	9	48.2	42.0					0.25							
5	15	45.0	42.0					1.0		Dark clouds coming from southward; wind N.; fresh.					
5	21	52.2	42.0	66.8	46.2	56.5	—	0.5	—	Clouds from the west; wind N.; strong.					
6	3	64.4	47.0					0.5							
6	9	54.4	49.0					0.5							
6	15	48.5	46.0					0.64							
6	21	54.5	50.0	67.2	38.2	52.7	93.0	1.0	0.40	Strong breezes and squally, from 2 ^h to 12 ^h with heavy rain.					
7	3	57.5	44.0					1.0		Pressure from 0 ^h to 12 ^h , from 9 to 13 lbs.					
7	9	42.8	40.0					1.0		Hard squalls with passing showers.					
7	15	40.2	38.0					1.0		Heavy squalls, with drizzling rain.					
7	21	45.0	38.0	59.8	48.0	53.9	103.0	0.25	—	Violent squalls; at 19 ^h , hard gale.					
8	3	56.2	42.0					0.25		From 19 ^h to 9 ^h , pressure from 10 to 12 lbs.					
8	9	52.8	46.0					0.0		Clear; violent squalls.					
8	15	56.2	46.0					0.0		Fresh gale.					
8	21	59.0	44.0	68.8	52.8	60.8	86.0	0.36	—	Wind abated.					
9	3	67.0	46.0					1.0		Overcast.					
9	9	56.5	52.0					0.25		Heavy dark clouds from W. and N.W.					
9	15	54.5	50.0					0.0		Lunar halo at 17 ^h .					
9	21	61.0	52.0	59.5	41.2	50.4	64.0	1.0	0.24	Overcast.					
10	3	70.8	52.0					0.36		Pressure from 9 ^d 12 ^h to 10 ^d 12 ^h , frequently 10 to 12 lbs. No rain.					
10	9	63.0	47.0					0.25		Heavy bank of clouds in W.					
Sunday 21															
11	15	44.0	41.0	57.0	37.0	47.0	—	0.5	—	Heavy dew.					
11	21	47.5	39.0					0.15		Strong N. wind.					
12	3	54.0	38.0					1.0		Overcast.					
12	9	43.8	37.0					0.5		Frequent lightning in S.E.					
12	15	38.5	38.0	52.2	38.0	45.1	91.0	0.25	0.02	Clear.					
12	21	44.0	38.0					1.0		Heavy rain, commencing with a squall.					
13	3	50.5	43.0					0.25		Cleared at 1 ^h .					
13	9	45.2	40.0					0.0		Clear.					
13	15	40.2	37.0	57.0	43.0	50.0	95.0	0.0	0.05	Heavy dew.					
13	21	43.5	40.0					1.0		Overcast and gloomy.					
14	3	54.4	41.0					1.0		Overcast.					
14	9	49.2	45.0					1.0		Overcast with drizzling rain.					
14	15	48.0	45.5	61.5	43.2	52.4	89.0	1.0	—	Overcast inclined to rain.					
14	21	51.4	48.0					0.64		Slight haze.					
15	3	60.5	55.0					1.0		Overcast.					
15	9	48.5	47.0					0.25		Clear.					
15	15	45.5	44.0	59.5	41.2	50.4	64.0	0.75	—	Haze diffused.					
15	21	48.2	47.0					0.15		Slight haze.					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
APRIL.										
D.	H.	°	°	°	°	°	°	In.		
16	3	58.8	44.0	61.5	48.0	54.8	86.0	1.0	Overcast.	
16	9	49.0	45.0					0.15	Slight haze.	
16	15	49.0	46.0					0.15	Clear.	
16	21	57.0	49.0					0.25	Wind freshening from N.	
17	3	66.5	51.0					0.15	Pressure at 0 ^h and 5 ^h 7 lbs.	
17	9	53.8	39.0	0.0	Pressure at 8 ^h 8 lbs.					
Sunday	21			67.0	52.2	59.6	—	0.30	A few heavy clouds.	
18	15	48.0	40.0					0.15	Clear.	
18	21	52.2	44.0	59.5	50.5	55.0	85.0	1.0	Overcast.	
19	3	57.8	45.0					1.0	Overcast.	
19	9	52.5	45.0					1.0	Overcast.	
19	15	51.0	45.0					1.0	Pressure 8 lbs.	
19	21	53.5	46.0					0.25	Pressure at 19 ^h 7 lbs.	
20	3	67.0	52.0	67.2	47.8	57.5	97.0	1.0	Becoming heavily clouded.	
20	9	60.4	54.0					1.0	Heavy squalls; pressure at 10 ^h 13 lbs.	
20	15	51.0	44.0					0.36	Pressure at 13 ^h and 14 ^h 4 lbs.	
20	21	52.5	37.0					0.75		
21	3	56.8	33.0					0.64		
21	9	46.9	33.0	59.0	37.5	48.3	—	0.36	Misty.	
21	15	40.0	37.0					0.0	Hazy.	
21	21	44.5	40.0					0.25	Clear.	
22	3	59.0	44.0	62.2	43.5	—	—	0.36		
22	9	48.0	43.0					0.0	0.02 Clear.	
22	15	50.6	47.0					1.0	Overcast.	
22	21	50.8	50.0					1.0	Drizzling rain.	
23	3	59.8	46.0					1.0	Overcast.	
23	9	52.7	52.5	60.0	47.5	—	94.0	0.09	Clear in zenith; otherwise clouded.	
23	15	54.2	51.0					0.15	Occasionally overcast with rain.	
23	21	51.8	49.0					0.5	Misty.	
24	3	64.2	58.0	60.0	47.5	—	—	1.0	Overcast.	
24	9	54.5	53.0					1.0	Overcast and gloomy.	
Sunday	21			66.0	46.0	56.0	96.0	1.0	Overcast; misty; dew forming.	
25	15	52.0	52.0					0.25		
25	21	52.5	49.0	65.0	50.5	57.8	—	1.0	Overcast.	
26	3	61.4	50.0					1.0	Overcast.	
26	9	56.5	49.2					0.75	Light drizzling rain at 17 ^h .	
26	15	52.5	51.0					1.0	Drizzling rain.	
26	21	52.5	50.0					1.0	Overcast.	
27	3	54.5	50.0	56.8	44.0	50.4	—	1.0	Overcast.	
27	9	51.0	46.5					1.0	Overcast.	
27	15	48.2	43.0					0.36	Misty.	
27	21	49.2	46.0					1.0	Overcast.	
28	3	58.0	43.0					0.36		
28	9	49.5	44.0	60.0	39.0	49.5	116.0	0.15	Calm.	
28	15	42.8	34.0					0.25		
28	21	42.5	40.0					0.36		
29	3	59.5	46.0	60.8	42.5	51.7	—	0.15		
29	9	48.5	47.0					0.0		
29	15	48.0	47.5					0.5	Overcast.	
29	21	55.0	49.0					1.0	Slight haze.	
30	3	65.0	55.0					1.0	Overcast.	
30	9	60.5	58.0	67.0	54.0	60.5	107.5	1.0	Overcast and gloomy.	
30	15	56.4	55.0					0.25	Great visibility of distant objects.	
30	21	59.2	56.0					0.25		
MAY.										
1	3	70.5	58.0	77.5	47.5	62.5	78.5	0.25	Pressure 8 lbs.	
1	9	61.5	58.0					0.25		
Sunday	21			77.5	47.5	62.5	78.5	1.0	Overcast.	
2	15	50.5	50.0					0.64	Misty.	
2	21	53.5	51.0	71.2	53.5	62.4	—	0.75	Showery at 5 ^h .	
3	3	68.7	62.0					0.75	Sheet lightning at 11 ^h .	
3	9	61.0	58.0					1.0	Overcast.	
3	15	57.6	55.0					1.0	Overcast.	
3	21	60.2	56.0					1.0	Overcast; misty.	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				Solar Rad.
MAY.									
D.	H.	°	°	°	°	°	°	In.	
4	3	61.8	53.0	63.5	42.2	52.8	98.0	0.5	
4	9	48.8	41.0					0.15	—
4	15	44.0	42.0					0.25	
4	21	48.2	42.0					0.25	
5	3	59.0	38.0	60.5	45.4	52.9	1.0	0.15	
5	9	50.0	48.0					1.0	0.11
5	15	46.5	45.0					0.25	
5	21	50.6	47.0					0.64	
6	3	54.0	49.0	59.2	47.7	53.5	90.0	1.0	
6	9	49.8	48.0					0.5	0.09
6	15	50.0	45.0					0.75	
6	21	51.0	48.0					0.0	
7	3	58.0	47.0	59.0	40.0	49.5	89.5	1.0	
7	9	47.8	42.0					1.0	—
7	15	43.0	41.0					1.0	
7	21	45.5	42.0					0.25	
8	3	56.2	39.0	59.0	40.0	49.5	89.5	1.0	
8	9	47.6	36.0					0.5	—
Sunday 21									
9	15	49.5	39.0	59.5	43.5	51.5	—	0.5	
9	21	46.0	40.0					0.75	
10	3	50.0	40.0	51.2	43.5	47.4	—	1.0	
10	9	45.4	38.0					0.36	—
10	15	44.5	36.0					0.0	
10	21	49.5	43.0					1.0	
11	3	56.0	47.0	57.0	49.0	53.0	74.0	1.0	
11	9	52.4	37.0					1.0	—
11	15	50.0	41.0					0.64	
11	21	51.6	43.0					0.25	
12	3	61.4	42.0	62.2	45.5	53.9	74.0	0.36	
12	9	49.0	37.0					0.5	—
12	15	48.0	40.0					1.0	
12	21	50.4	40.0					0.64	
13	3	55.8	42.0	59.5	43.5	51.5	79.0	1.0	
13	9	51.0	46.0					0.25	—
13	15	48.5	46.0					1.0	
13	21	50.5	46.0					0.25	
14	3	57.4	45.0	60.2	42.0	51.1	—	0.36	
14	9	45.2	43.0					0.0	—
14	15	44.0	42.0					0.5	
14	21	45.6	41.0					1.0	
15	3	53.5	45.0	60.2	42.0	51.1	—	1.0	
15	9	47.2	45.0					1.0	—
Sunday 21									
16	15	46.5	46.5	63.5	45.2	54.4	78.0	0.5	
16	21	49.0	46.0					1.0	
17	3	58.0	53.0	59.2	43.0	51.1	—	0.15	
17	9	44.6	44.0					0.0	—
17	15	45.2	43.0					0.0	
17	21	48.8	44.0					0.15	
18	3	59.4	45.0	61.2	49.0	55.1	—	1.0	
18	9	51.4	46.0					1.0	—
18	15	50.0	49.0					1.0	
18	21	52.8	49.0					1.0	
19	3	47.5	45.0	43.0	37.5	40.3	92.0	1.0	
19	9	45.0	42.0					1.0	0.08
19	15	43.2	38.0					0.0	
19	21	42.0	39.0					0.15	
20	3	50.0	35.0	52.0	35.5	43.8	85.0	0.15	
20	9	38.0	36.0					0.0	—
20	15	38.2	38.0					0.0	
20	21	41.4	39.0					0.15	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.	
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.					
MAY.											
D.	H.	°	°	°	°	°		In.			
21	3	52.8	45.0	53.8	35.0	44.4	94.0	0.15	—	Clear and calm.	
21	9	40.2	40.0					0.0		Clear and calm.	
21	15	37.4	37.0					0.0		Heavy dew.	
21	21	40.2	38.0	58.4	45.2	51.8	—	0.15	—		
22	3	48.2	45.0					0.0			
22	9	41.0	40.0					0.15			Misty.
Sunday	21			56.0	43.8	49.9	—	1.0	—	Overcast.	
23	15	46.5	46.0					1.0		Foggy.	
23	21	48.5	47.0					1.0		Gloomy.	
24	3	54.2	50.0	57.5	46.5	52.0	98.0	0.75	—	Calm; heavy dew.	
24	9	48.8	48.8					0.25		Thick fog.	
24	15	46.2	45.0					1.0		Fog clearing.	
24	21	49.4	48.0	56.0	42.8	49.4	78.0	1.0	—		
25	3	56.5	49.0					1.0			Gloomy.
25	9	48.5	48.5					1.0			Misty.
25	15	48.2	47.0	59.0	41.0	50.0	—	1.0	—		
25	21	49.0	47.5					1.0			Gloomy.
26	3	55.0	50.0					1.0			Foggy.
26	9	50.5	48.0	56.5	41.5	49.0	—	1.0	—	Gloomy.	
26	15	48.8	48.0					1.0		Gloomy.	
26	21	47.8	46.0					1.0		Overcast; perfectly clear at 19 ^b .	
27	3	56.7	48.0	51.0	38.3	44.7	—	0.36	—		
27	9	46.8	43.0					0.0			Calm and clear.
27	15	44.0	43.0					0.25			Great visibility of distant objects.
27	21	46.0	43.0	50.5	42.2	46.4	—	0.36	—	Wind freshening.	
28	3	55.8	50.0					1.0		Wind increasing with rain; pressure at 1 ^b 6 lbs.	
28	9	47.8	44.0					0.15		Wind moderated.	
28	15	45.5	40.0	50.0	41.0	45.5	75.0	0.25	0.19	Gloomy.	
28	21	44.8	40.0					0.25		Gloomy.	
29	3	47.4	39.0					0.36			
29	9	41.2	40.0	0.36	—						
Sunday	21			51.0	38.3	44.7	—	0.36	—		
30	15	40.0	38.0					0.36			
30	21	43.0	36.0					1.0			Overcast.
31	3	53.2	45.0	50.5	42.2	46.4	—	0.75	—	Gloomy; wind freshening.	
31	9	49.0	46.0					0.75			
31	15	47.6	45.0					1.0		Gloomy.	
31	21	49.5	47.0								
JUNE.											
1	3	58.5	52.0	59.2	47.4	53.3	—	0.25	—	Calm.	
1	9	51.2	48.0					0.00		Clear.	
1	15	48.5	—					0.75		Gloomy.	
1	21	50.6	46.0	62.0	36.2	59.1	90.0	0.75	—		
2	3	61.5	52.0					0.5			
2	9	45.5	—					0.0			Great visibility of distant objects.
2	15	39.5	38.0	55.8	38.2	57.0	—	0.25	—	Heavy dew.	
2	21	41.0	39.0					0.25			
3	3	54.2	47.0					0.25			
3	9	44.5	43.0	50.0	41.0	45.5	75.0	0.15	—		
3	15	42.2	42.0					0.5			Heavy dews; wind freshening.
3	21	43.2	41.0					0.5			Foggy.
4	3	47.5	45.0	50.0	41.0	45.5	75.0	1.0	0.02	Gloomy.	
4	9	46.0	44.0					1.0		Gloomy.	
4	15	43.5	43.5					0.36		Misty.	
4	21	45.6	44.0	54.0	41.4	47.7	—	0.36	—	Light haze.	
5	3	59.0	50.0					0.25			
5	9	46.5	44.0					0.25		Misty.	
Sunday	21			60.5	42.0	51.3	78.0	0.15	—	Misty.	
6	15	47.5	43.0					0.36			
6	21	44.2	44.0					0.64		Misty.	
7	3	51.4	43.0	54.0	41.4	47.7	—	0.5	—		
7	9	44.5	41.0					0.15			Misty.
7	15	42.5	40.0					0.36			
7	21	48.0	41.0								

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.					
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.								
D.	H.	°	°	°	°	°	°		In.						
8	3	54.5	52.5	57.0	41.3	49.2	—	0.5	—	Distant objects very visible.					
8	9	48.2	46.0					0.5		Slight rain at 11 ^h .					
8	15	46.5	44.0					1.0		Drizzling rain.					
8	21	44.2	36.0	51.2	35.4	48.3	—	0.15	—	Gloomy.					
9	3	49.2	33.0					0.5							
9	9	38.2	33.8					0.5							
9	15	44.0	35.0	48.0	33.6	40.8	—	0.0	—	Perfectly clear.					
9	21	40.0	38.5					1.0		Overcast.					
10	3	47.0	38.0					0.0		Distant objects very visible.					
10	9	36.5	—	52.5	39.5	46.0	87.0	0.0	—						
10	15	35.0	35.0					0.15							
10	21	41.0	39.0					1.0		Overcast.					
11	3	52.0	—	52.5	39.5	46.0	87.0	0.0	—						
11	9	44.5	42.0					0.25							
11	15	41.8	40.0					0.15							
11	21	45.0	42.0	56.0	45.0	50.5	—	0.15	—						
12	3	55.5	46.0					0.36							
12	9	46.8	44.0					0.0							
Sunday 21				54.6	42.0	48.3	89.0	1.0	—	Gloomy.					
13	15	44.5	40.0					0.36							
13	21	45.0	39.0					0.36							
14	3	53.4	46.0	59.5	41.5	50.5	95.0	0.36	—						
14	9	46.5	43.0					0.36							
14	15	44.2	41.0					0.25							
14	21	45.0	42.0	53.0	42.2	47.6	—	0.25	—						
15	3	57.2	48.0					0.36							
15	9	52.0	46.0					0.50		Passing showers.					
15	15	47.0	44.0	53.5	43.8	48.7	—	0.0	—						
15	21	46.7	46.0					0.0		Thick fog.					
16	3	52.0	48.0					0.15		A cirrus haze.					
16	9	44.0	42.0	53.5	43.8	48.7	—	0.15	—	Heavy dew.					
16	15	46.0	44.5					1.0		Gloomy.					
16	21	52.5	46.0					1.0		Rain continuing.					
17	3	50.5	43.0	47.8	37.2	42.5	80.0	1.0	0.20	Gloomy.					
17	9	47.8	44.5					1.0		Gloomy; occasional squalls.					
17	15	46.5	44.0					1.0		Gloomy; calm.					
17	21	46.2	38.2	47.8	37.2	42.5	80.0	1.0	0.05	Overcast with rain from 19 ^h .					
18	3	46.4	44.5					1.0		Drizzling rain.					
18	9	43.0	43.0					0.25							
18	15	39.0	38.0	59.2	49.6	54.4	—	0.0	—						
18	21	42.5	39.0					0.0							
19	3	53.5	48.0					1.0		Gloomy; pressure at 1 ^h 5 lbs.					
19	9	50.0	49.0	54.5	44.0	49.3	—	0.25	—						
Sunday 21								50.2		39.5	44.9	97.5	0.25	0.29	Strong squalls with rain; pressure 7 lbs.
20	15	51.8	49.0										1.0		Pressure at 17 ^h and 19 ^h 7 lbs.
20	21	52.0	46.0	1.0	Squally passing showers; pressure at 1 ^h 9 lbs.										
21	3	50.0	44.5	50.2	39.5	44.9	97.5	0.25	0.20	Strong squalls with rain.					
21	9	46.9	40.4					1.0		Violent squalls; pressure 5 lbs.					
21	15	47.5	42.0					0.50		Gloomy.					
21	21	46.5	38.0	52.5	40.0	46.3	—	1.0	0.06	Gloomy.					
22	3	48.0	39.0					1.0		Gloomy.					
22	9	45.9	38.0					1.0		Gloomy.					
22	15	41.0	41.0	51.8	36.8	44.3	76.0	0.75	—	Drizzling rain at 17 ^h .					
22	21	45.8	42.0					0.25							
23	3	51.2	44.0					0.15		Misty.					
23	9	41.0	39.5	51.8	36.8	44.3	76.0	0.5	—						
23	15	41.6	40.0					0.5							
23	21	43.5	42.5					1.0		Overcast.					
24	3	50.4	41.0	51.8	36.8	44.3	76.0	0.5	—	Gloomy.					
24	9	44.2	43.8					0.0		Distant objects very visible.					
24	15	38.0	38.0					0.0		Heavy dew.					
24	21	42.0	40.0					0.5							

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
D.	H.	°	°	°	°	°	°		In.	
25	3	53.8	42.8	52.2	42.2	47.2	72.0	0.25	—	Heavy clouds passing from N.W.
25	9	48.0	45.0					0.5		
25	15	47.0	44.5					1.0		
25	21	47.0	44.0					1.0		
26	3	57.3	47.0					1.0		
26	9	54.5	46.5	1.0	—					
Sunday	21							0.0		Vivid lightning in the west.
27	15	43.5	43.0	60.0	34.5	47.3	62.0	0.25	—	Lunar halo at 11 ^h .
27	21	51.1	39.5					0.25		
28	3	55.0	37.0					0.5		
28	9	42.0	36.5					1.0		
28	15	39.8	39.0					0.25		
28	21	36.6	33.0	1.0	—	Rain commenced at 23 ^h . Frequent heavy showers. Occasional rain.				
29	3	47.1	38.0	0.25						
29	9	41.5	41.0	0.5						
29	15	40.2	38.0	0.36						
29	21	42.4	38.0	0.64						
30	3	48.5	42.0	49.0	33.5	41.3	71.0	0.0	—	Heavy dew. Misty.
30	9	43.8	42.0					0.0		
30	15	37.0	35.0					0.0		
30	21	39.7	34.2					0.0		
JULY.										
1	3	48.4	39.0	49.2	35.2	42.2	—	0.5	—	Misty.
1	9	40.5	40.0					0.36		
1	15	36.5	36.0					0.25		
1	21	40.0	37.0					0.25		
2	3	48.0	40.0					0.25		
2	9	38.5	38.0	50.2	36.2	43.2	—	0.25	—	Heavy dew.
2	15	40.2	40.0					0.5		
2	21	43.5	42.0					0.36		
3	3	53.5	45.0					0.5		
3	9	46.4	44.0					1.0			—	Drizzling rain.
Sunday	21									
4	15	37.2	37.2	—	35.0	—	88.5	0.0	—	Thick fog and heavy dew. Fog clearing.
4	21	38.0	37.0					0.15		
5	3	47.4	41.0					0.25		
5	9	37.0	37.0					0.0		
5	15	33.5	33.0					0.0		
5	21	36.2	35.0	0.15	—	Heavy dew, thick white mist at 11 ^h . Dense fog. Fog clearing.				
6	3	46.0	36.0	0.0						
6	9	35.6	35.6	0.0						
6	15	33.5	34.0	0.0						
6	21	35.0	33.0	0.0						
7	3	47.4	41.0	47.5	31.5	39.5	—	0.25	0.04	Thick fog. Thick fog till 13 ^h . Very clear. Mist. Fresh breeze; much fog. Gloomy; with rain.
7	9	40.0	39.0					0.75		
7	15	39.2	39.0					1.0		
7	21	40.8	39.0					1.0		
8	3	43.4	41.0					1.0		
8	9	40.5	39.5	44.0	37.2	40.6	90.0	0.0	0.02	A very thick wet fog, and a strong N.W. wind. Gloomy, with mist.
8	15	40.2	39.0					1.0		
8	21	41.2	39.0					0.75		
9	3	51.0	46.0					0.36		
9	9	42.5	42.0					0.25		
9	15	40.8	39.0	52.5	38.0	45.3	72.0	0.25	—	
9	21	43.8	41.0					0.25		
10	3	52.5	45.0					0.75		
10	9	48.0	43.0					0.0		
Sunday	21									
11	15	43.0	42.0	57.2	38.0	47.6	68.0	0.15	0.04	Dew. Mist. Gloomy; pressure at 1 ^h 3 lbs. Squally.
11	21	41.2	39.0					0.15		
12	3	54.8	45.0					1.0		
12	9	45.8	41.0					0.15		
12	15	43.0	41.0					0.36		
12	21	42.5	39.5	0.25						

* No record of the quantity of rain.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
D.	H.	Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
JULY.										
13	3	50.2	34.0	52.0	38.5	45.3	94.0	0.5	In.	Occasional squalls. Slight haze.
13	9	41.2	39.0					0.15		
13	15	40.5	38.0					0.25		
13	21	44.2	41.0	56.2	42.7	49.5	85.0	0.25	Gloomy; a smart shower at 11 ^h 20 ^m .	
14	3	55.5	45.0					0.25		
14	9	48.5	45.0					1.0		
14	15	45.2	42.0	49.2	35.5	42.4	78.0	0.25	Passing squalls with showers. Passing heavy showers at 1 ^h .	
14	21	44.5	38.0					0.36		
15	3	47.8	36.5					0.36		
15	9	41.0	37.0	55.2	42.8	49.0	82.0	0.36	Squally from the N. W. A cirrous haze.	
15	15	37.0	34.0					0.25		
15	21	44.5	40.5					0.0		
16	3	54.0	45.0	57.2	43.0	43.5	—	0.0	—	
16	9	46.2	43.0					0.0		
16	15	44.5	42.0					0.0		
16	21	45.6	41.0	50.0	37.5	43.8	93.0	0.25	Gloomy; a heavy dew. Some dark heavy clouds.	
17	3	57.2	43.0					0.25		
17	9	46.5	43.5					0.0		
Sunday 21										
18	15	40.6	39.0	55.0	38.8	46.9	—	1.0	0.12	Rain commencing; ceased at 10 ^h . Heavily clouded. Gloomy.
18	21	42.2	42.0					0.25		
19	3	50.2	44.0					1.0		
19	9	40.6	37.0	48.0	32.4	40.2	90.0	1.0	—	Aurora very brilliant in S. E. Distant objects very visible. Clearing. Bank of clouds in S. W.
19	15	40.0	38.0					0.15		
19	21	43.0	36.0					0.75		
20	3	45.5	—	47.8	35.0	41.4	—	0.25	—	Gloomy.
20	9	38.0	36.0					0.0		
20	15	35.2	33.0					0.0		
20	21	36.6	36.0	48.0	35.5	41.8	91.0	0.25	—	Gloomy.
21	3	47.0	37.0					0.0		
21	9	40.5	39.0					0.0		
21	15	38.0	37.0	47.0	34.8	40.9	—	1.0	—	Misty. Strong breeze with squalls. Gloomy.
21	21	39.8	39.8					0.0		
22	3	47.2	39.0					0.0		
22	9	42.2	36.0	47.0	34.8	40.9	—	1.0	—	Squalls; a heavy gale; after midnight, pressure 12 lbs.
22	15	38.8	36.0					0.0		
22	21	39.0	37.0					0.0		
23	3	46.6	38.0	47.0	34.8	40.9	—	0.0	—	Pressure on the 25 ^d 3 ^h 11 lbs.
23	9	38.4	37.0					0.0		
23	15	36.4	33.0					0.0		
23	21	39.6	34.0	52.2	35.5	43.9	—	1.0	0.77	Squalls, with snow and rain; pressure at 1 ^h 9 lbs. Continued rain. Passing showers.
24	3	50.4	46.0					0.25		
24	9	49.5	38.0					0.0		
Sunday 21										
25	15	37.5	28.0	45.5	35.0	40.3	63.5	0.36	—	—
25	21	38.8	34.0					1.0		
26	3	42.5	34.0					0.5		
26	9	40.6	36.0	49.0	30.5	39.8	64.0	1.0	—	Hard frost at 19 ^h . A cirrous haze.
26	15	38.4	34.0					0.75		
26	21	39.0	37.0					0.25		
27	3	48.0	37.0	44.6	33.2	38.9	66.0	1.0	—	—
27	9	36.4	35.0					1.0		
27	15	33.4	31.0					0.0		
27	21	33.5	31.0	51.4	33.8	42.6	93.0	0.0	—	Foggy.
28	3	42.5	38.0					0.0		
28	9	39.1	39.0					1.0		
28	15	39.0	38.0	51.4	33.8	42.6	93.0	1.0	—	—
28	21	40.8	37.0					1.0		
29	3	50.5	43.0					0.25		
29	9	41.0	40.5	51.4	33.8	42.6	93.0	0.75	—	Foggy.
29	15	36.0	35.0					0.0		
29	21	36.8	35.0					0.0		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JULY.										
D.	H.	°	°	°	°	°		In.		
30	3	49.0	41.0	50.5	36.5	43.5	92.0	1.0	—	A light haze.
30	9	43.4	41.0					1.0		Misty; rain at 11 ^h .
30	15	44.2	39.0					1.0		
30	21	45.4	42.0					0.64		
31	3	57.0	45.0					0.64		
31	9	49.5	45.0	0.5	—					
Sunday 21										
AUGUST.										
1	15	37.2	35.0	59.5	33.8	46.7	92.0	0.25	—	Misty.
1	21	41.5	37.0					0.75		Gloomy.
2	3	52.5	45.0					0.25		
2	9	39.0	36.0	52.4	36.5	44.5	80.0	0.0	—	Gloomy.
2	15	37.8	36.0					1.0		
2	21	42.0	39.0					0.5		
3	3	54.0	45.0	56.1	40.5	48.3	—	0.5	0.04	Occasional very slight rain.
3	9	47.6	42.0					0.5		
3	15	43.2	41.0					0.5		
3	21	44.4	40.0					1.0		
4	3	45.8	33.0					0.75		
4	9	—	—	50.2	36.0	43.1	—	1.0	0.19	Heavy rain in squalls.
4	15	37.4	32.0					0.15		Strong squalls with rain at 17 ^h .
4	21	41.8	35.0					—		Squalls with rain and hail; clear in the intervals.
5	3	44.0	34.0	45.5	38.4	41.9	—	—	0.20	Strong squalls with hail from the S. by E.
5	9	39.0	36.0					—		Showers of hail; clear in the intervals.
5	15	39.7	37.0					1.0		Passing squalls with rain.
5	21	44.0	40.0					1.0		Passing showers.
6	3	46.8	43.0					—		Heavy squalls; clear in the intervals.
6	9	42.2	39.0	48.2	41.2	44.7	—	1.0	0.06	Gloomy, with rain.
6	15	41.5	38.0					0.5		Wind moderating.
6	21	45.0	42.0					1.0		Heavily clouded.
7	3	46.5	42.0	7	9	42.5	—	1.0	0.06	Drizzling rain.
7	9	42.5	37.0					1.0		Occasional rain.
Sunday 21										
8	15	38.6	35.0	51.0	33.0	42.0	94.0	1.0	—	
8	21	37.0	35.0					0.15		
9	3	48.5	37.0					0.25		
9	9	38.0	38.0	49.2	35.8	42.5	—	1.0	—	Hazy.
9	15	37.4	36.0					0.75		
9	21	39.7	36.0					1.0		
10	3	52.0	39.0	53.2	39.5	46.4	87.0	0.5	—	
10	9	44.8	41.0					0.75		
10	15	43.4	40.0					0.15		
10	21	47.5	42.0					0.25		
11	3	57.5	36.0					0.25		
11	9	46.0	39.5	61.0	39.6	50.3	97.0	0.15	—	Squally.
11	15	42.8	39.0					0.0		
11	21	43.4	39.0					0.15		
12	3	56.0	39.0	57.0	40.6	48.8	—	0.25	0.04	Light haze.
12	9	46.2	38.0					0.15		Much haze.
12	15	42.0	38.0					0.0		
12	21	47.2	40.0					—		A cirrous haze.
13	3	54.5	44.0					55.5		42.8	49.2	—	1.0	—	Heavy clouds in S. E.
13	9	48.5	41.0	1.0	Gloomy.					
13	15	44.0	40.0	1.0	Gloomy.					
13	21	47.0	39.0	1.0						
14	3	48.0	40.0	0.64						
14	9	42.0	39.0	1.0	0.08	Rain.				
Sunday 21										
15	15	45.8	41.0	49.2	40.3	44.8	—	0.5	0.40	Strong squalls; pressure at 18 ^h 8 lbs. and 9 lbs.
15	21	48.0	46.0					1.0		Squalls with rain.
16	3	52.5	47.0	53.0	39.5	46.3	90.0	—	0.10	Passing squalls; clear in the intervals.
16	9	47.0	45.0					—		Passing showers and squalls.
16	15	40.6	37.0					0.15		
16	21	44.8	44.0					0.15		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.						
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.										
AUGUST.																
D.	H.	°	°	°	°	°	°	In.								
17	3	54.8	43.0	57.0	42.2	49.6	—	0.25	—	Stars very brilliant. Atmosphere very clear.						
17	9	46.0	42.0					0.25								
17	15	44.0	39.0					0.0								
17	21	47.0	41.0	59.2	44.5	51.9	87.0	0.15	— ^a	Pressure at 7 ^h 6 lbs. Very dark and gloomy. Rain occasionally. Showers of hail; fine in the intervals.						
18	3	58.6	43.0					0.36								
18	9	47.4	42.0					0.0								
18	15	47.5	41.0	55.0	43.2	49.1	82.5	1.0	— ^a	Strong squalls; pressure from 9 ^h to 11 ^h 15 lbs. [and 13 lbs. Wind in squalls; pressure at 12 ^h 12 lbs.; from 12 ^h to 15 ^h 12 Pressure from 15 ^h to 18 ^h 5 lbs. Wind in squalls.						
18	21	49.0	—					1.0								
19	3	52.8	40.0					—								
19	9	43.5	35.0	62.0	46.5	54.3	92.5	0.25	—	Gloomy with squalls.						
19	15	46.8	42.0					0.5								
19	21	54.0	48.0					0.25								
20	3	59.8	47.0	61.8	46.4	54.1	105.0	0.36	—	Strong squalls; hazy.						
20	9	50.2	44.0					1.0								
20	15	47.8	43.0					0.25								
20	21	52.0	42.0	56.5	43.6	50.0	—	0.25	— ^a	Gloomy; slight rain.						
21	3	60.6	43.0					0.25								
21	9	49.8	43.0					0.25								
Sunday 21																
22	15	54.0	46.0	61.7	41.0	51.4	101.0	—	0.10	Very heavy squalls; pressure at 19 ^h 5 lbs.; at 23 ^h 27 lbs. Violent squalls from 0 ^h to 6 ^h ; recorded pressure from 18 to 24 lbs. Passing showers and squalls. [24 lbs. Passing showers and squalls from 9 ^h to 15 ^h , occasional pressure [from 7 to 9 lbs.						
22	21	47.5	43.0					1.0								
23	3	54.0	45.0					0.5								
23	9	47.5	45.0	57.0	37.5	47.3	67.0	1.0	— ^a	Occasional showers.						
23	15	44.4	44.0					1.0								
23	21	57.4	45.0					0.5								
24	3	55.2	44.0	62.0	37.5	49.8	—	1.0	— ^a	Light haze.						
24	9	46.0	37.0					0.5								
24	15	43.5	40.0					0.5								
24	21	47.0	42.0	60.0	44.4	52.2	112.0	0.15	— ^a	Strong squalls from 3 ^h to 8 ^h ; pressure from 6 to 12 lbs. Occasional light rain.						
25	3	54.5	41.0					0.15								
25	9	43.8	39.0					0.5								
25	15	40.0	37.0	61.8	40.2	51.0	85.0	0.15	— ^a	Passing showers.						
25	21	42.8	39.0					0.15								
26	3	53.0	37.0					0.64								
26	9	45.5	42.0	61.5	47.4	54.5	—	1.0	—	Snow showers at 1 ^h ; pressure at 1 ^h 9 lbs. Rain.						
26	15	42.6	41.0					0.0								
26	21	47.6	43.0					0.64								
27	3	61.0	37.0	62.0	37.5	49.8	—	0.0	— ^a	Pressure at 29 ^d 1 ^h 8 lbs.						
27	9	47.8	42.0					1.0								
27	15	41.5	39.0					0.36								
27	21	39.5	39.5	62.0	37.5	49.8	—	0.36	— ^a	Passing showers.						
28	3	46.0	38.0					0.36								
28	9	36.8	36.8					0.36								
Sunday 21																
29	15	48.0	41.0	58.0	35.6	46.8	—	1.0	—	Gloomy.						
29	21	52.4	45.0					1.0								
30	3	59.2	48.0					1.0								
30	9	48.6	46.0	60.0	44.4	52.2	112.0	0.25	— ^a	Gloomy. Passing showers.						
30	15	46.5	44.0					0.15								
30	21	50.5	46.0					0.15								
31	3	58.5	46.0	61.8	40.2	51.0	85.0	0.5	—	Lightning in the S. E.						
31	9	48.5	47.0					0.64								
31	15	42.8	41.0					1.0								
31	21	44.2	43.5	62.0	39.8	50.9	88.0	1.0	—	Calm.						
SEPTEMBER.																
1	3	59.2	46.0					62.0			39.8	50.9	88.0	1.0	—	Calm.
1	9	48.5	45.0	1.0												
1	15	42.8	42.0	0.15												
1	21	47.2	45.0	61.5	47.4	54.5	—	0.15	—	Lightning to the N. at 13 ^h . Mist over the land.						
2	3	61.3	—					1.0								
2	9	51.5	41.5					1.0								
2	15	51.0	42.0	61.5	47.4	54.5	—	1.0	—	Gloomy.						
2	21	55.8	—					1.0								
2	21	55.8	—					1.0		Heavy banks of clouds in N. W.						

* Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
SEPTEMBER.										
D.	H.	°	°	°	°	°	°		In.	
3	3	52.8	37.0	60.0	38.7	49.4	—	0.75	—	Dark heavy clouds.
3	9	42.8	35.5					0.0	—	
3	15	39.5	34.0					0.36	—	
3	21	43.5	36.0					1.0	—	
4	3	57.0	47.0					0.75	—	
4	9	47.0	46.5	0.75	—	Calm, with slight rain.				
Sunday 21										
5	15	41.8	41.0	53.0	39.0	46.0	90.0	1.0		
5	21	46.4	43.0					1.0		
6	3	54.0	44.5	55.0	42.5	48.8	82.0	1.0		Gloomy.
6	9	46.0	43.5					0.8	—	Zenith clear.
6	15	43.8	42.0					1.0	—	Dew falling.
6	21	48.0	41.0					1.0	—	Gloomy.
7	3	52.0	37.0					0.64	—	
7	9	43.5	38.0	53.5	33.5	43.5	101.0	1.0	—	Misty.
7	15	37.8	35.0					0.0	—	
7	21	42.4	38.0	55.0	32.7	43.9	104.0	0.15		Clear atmosphere.
8	3	54.0	41.0					0.25	—	Thin haze.
8	9	39.1	37.0	55.0	32.7	43.9	104.0	0.25	—	Light mist.
8	15	34.8	34.8					0.0	—	Thick mist.
8	21	40.8	38.0	—	35.8	—	77.0	0.15		Mist cleared at 19 ^h .
9	3	55.5	43.0					0.25	—	First sea breeze in the season at 1 ^h .
9	9	41.5	41.0	—	35.8	—	77.0	0.25	—	Misty.
9	15	36.8	36.0					0.0	—	Heavy dew.
9	21	46.5	39.5	65.5	46.0	55.8	—	0.5		Misty.
10	3	61.5	44.0					0.25	—	
10	9	52.5	45.0	65.5	46.0	55.8	—	0.25	—	Heavy bank of clouds in the S.
10	15	48.4	45.0					1.0	—	Clouds gathering all round.
10	21	53.0	47.0	—	35.8	—	77.0	1.0	—	Overcast with rain.
11	3	56.8	42.0					—	—	A heavy gale from N. W. ; pressure at 2 ^h 10 lbs.
11	9	42.9	33.0	57.2	30.0	43.6	—	0.25	0.08	Strong squally breeze.
Sunday 21										
12	15	35.0	30.0	57.2	30.0	43.6	—	0.15	0.12	Hoar frost at 17 ^h .
12	21	40.0	34.5					1.0	—	Thick snow.
13	3	41.0	34.0	—	35.2	—	96.0	0.75		Passing snow squalls.
13	9	37.2	34.0					0.15	0.10	Passing snow squalls.
13	15	38.0	36.0	—	35.2	—	96.0	0.25		Heavy clouds rising in S. W.
13	21	44.6	38.0					0.64		Rain at 23 ^h .
14	3	49.4	42.0	50.5	37.4	43.9	83.0	1.0		
14	9	40.6	38.0					0.25	—	Misty.
14	15	37.8	37.8	61.5	46.5	54.0	—	1.0		
14	21	46.4	41.0					0.64	—	
15	3	58.5	41.0	61.5	46.5	54.0	—	1.0		
15	9	48.5	44.0					0.5	—	
15	15	49.2	42.0	63.0	39.0	51.0	98.0	1.0		Squally.
15	21	59.5	41.0					0.36	—	Hot sultry wind; pressure 8 lbs.
16	3	56.0	—	63.0	39.0	51.0	98.0	1.0	— ^a	Rain.
16	9	46.2	40.0					1.0	—	Dark heavy clouds.
16	15	41.8	36.0	60.0	40.5	50.3	—	0.0		
16	21	49.8	41.0					0.64	—	
17	3	57.9	34.0	60.0	40.5	50.3	—	0.64		
17	9	41.5	40.0					0.0	—	Distant objects very visible.
17	15	40.8	37.0	60.0	40.5	50.3	—	1.0		
17	21	49.5	39.0					1.0	—	Passing light showers at 23 ^h .
18	3	62.5	54.0	—	35.8	—	77.0	0.5		Occasional showers. [pressure of 5 lbs.
18	9	49.0	40.0					1.0	— ^a	Dark bank of clouds in N. N. W. from 1 ^h to 11 ^h ; occasional
Sunday 21										
19	15	46.0	40.0	55.2	44.5	49.9	100.0	1.0		
19	21	53.0	36.0					0.75		
20	3	58.2	45.0	59.0	37.4	48.2	76.5	0.25		Sea breeze from 1 ^h .
20	9	43.0	39.0					0.0	—	Clear and fine.
20	15	38.2	36.0	59.0	37.4	48.2	76.5	0.0		
20	21	49.0	44.0					0.64	—	Becoming overcast.

^a Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
SEPTEMBER.										
D.	H.									
21	3	64.5	48.5	°	°	°	°	1.0	In.	Lunar halo at 7 ^h .
21	9	49.0	43.0	66.5	42.8	54.7	107.0	0.5	—	
21	15	43.2	42.0					1.0		
21	21	54.5	41.0					0.36	—	Heavy clouds in S. E.
22	3	58.0	48.0					0.0		
22	9	45.0	41.0					1.0	0.32	A light haze.
22	15	46.5	43.0					1.0		Hazy.
22	21	47.2	45.0					1.0		Gloomy with rain, pressure 5 lbs.
23	3	58.2	53.5					1.0		Drizzling rain.
23	9	49.2	47.0					0.0	0.09	Gloomy with hard rain.
23	15	43.8	43.0	63.0	40.4	51.7	90.0	0.25		Clear and fine.
23	21	53.5	47.0					0.75		
24	3	64.0	47.0					1.0		
24	9	49.0	49.0					0.75	0.04	Sultry atmosphere from 1 ^h ; rain at 5 ^h .
24	15	43.0	42.0	65.0	41.0	53.0	119.0	0.0		Distant objects very visible at 13 ^h .
24	21	51.0	49.0					0.0		Calm and clear.
25	3	59.0	52.0					1.0		
25	9	49.5	48.0					1.0		Hazy.
Sunday 21										
26	15	46.5	46.5	64.1	44.8	54.5	116.0			A thick mist.
26	21	54.2	— ^a					0.5		Fog cleared away.
27	3	65.0	—					0.0		Thin haze.
27	9	52.2	—	67.5	47.5	57.5	122.0	0.0		
27	15	48.2	—					0.0		Very heavy dew.
27	21	56.8	—					0.0		Pressure at 19 ^h 4 lbs.
28	3	71.6	—					0.0		
28	9	54.5	—	76.0	52.5	64.3	116.0	0.5		Clouds to the S. W.
28	15	54.4	—					0.5		Strong breezes.
28	21	61.4	—					0.75		Sky clearing.
29	3	64.2	—					0.25		
29	9	51.1	—	65.9	48.8	57.4	—	0.5		
29	15	51.5	—					0.0		Heavy dew.
29	21	53.8	—					1.0		Gloomy.
30	3	72.5	—					0.75		Strong squalls.
30	9	54.8	—					1.0		Strong squalls from 6 ^h to 8 ^h ; pressure from 6 to 10 lbs.
30	15	47.0	—	74.5	41.5	58.0	95.0	0.64		Clear atmosphere.
30	21	53.2	—					0.25		
OCTOBER.										
1	3	60.2	—					1.0		Gloomy.
1	9	51.0	—	64.2	45.6	54.9	—	0.64		
1	15	47.5	—					1.0		Gloomy.
1	21	56.2	—					0.64		Heavy clouds in the N. W.
2	3	58.4	—					1.0		Heavy showers and squalls from S. E.
2	9	49.0	—					1.0	0.38	Rain.
Sunday 21										
3	15	43.2	—	62.6	40.8	51.7	98.0	1.0		Slight rain.
3	21	45.0	—					0.25		Strong breezes and squally.
4	3	53.5	—							Pressure at 4 ^h 13 lbs.
4	9	42.2	—	59.0	39.0	49.0	82.0	1.0		Hard squalls from 3 ^h .
4	15	40.0	—					0.36		Wind moderated.
4	21	51.0	—					0.64		
5	3	59.0	—					1.0		Pressure at 2 ^h 5 lbs.
5	9	52.8	—	64.0	49.8	56.9	100.0	1.0		Gloomy with squalls.
5	15	50.0	—					0.25		A moderate gale.
5	21	59.5	—					0.25		Strong squally breeze.
6	3	70.8	—					0.0		Pressure from 0 ^h 8 to 9 lbs.
6	9	60.0	—	71.5	57.0	64.3	98.0	0.0		Pressure in squalls 8 lbs.
6	15	—	—					0.0		Pressure at 18 ^h 10 lbs.
6	21	67.2	—					0.25		Pressure 8 lbs.
7	3	66.4	—					0.15		Squally pressure 7 lbs.
7	9	50.4	—	69.0	47.8	53.4	—	0.15		Fresh gale and squally; pressure 8 lbs.
7	15	48.8	—					0.15		Heavy gale from N. W.; violent squalls.
7	21	59.0	—					1.0		Squally; pressure at 23 ^h 11 lbs.

^a The Hygrometer found broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
OCTOBER.										
D.	H.	°	° ^a	°	°	°	°		In.	
8	3	51.2	— ^a	66.4	44.2	55.3	100.0	1.0	0.30	Hard rain commenced at 1 ^h .
8	9	45.8	—					0.25		Unsettled weather.
8	15	44.8	—					0.5		
8	21	52.2	—					0.5		
9	3	69.0	—					0.25		
9	9	55.5	—	0.5						
Sunday 21										Pressure at 11 ^d 0 ^h , 5 lbs.
10	15	42.2	—	71.0	52.5	61.8	124.0	0.25		
10	21	52.0	—					0.15		
11	3	60.0	—	60.2	39.2	49.7	—	0.0		Sea-breeze.
11	9	46.9	—					0.0		
11	15	40.0	—					0.0		
11	21	52.0	—					1.0		
12	3	58.5	—					0.50		
12	9	48.8	—	60.0	47.0	53.5	115.0	0.25	0.06	Dark clouds in N.W.
12	15	48.0	—					0.25		Several meteors in the W.
12	21	53.5	—	1.0						
13	3	59.5	—	60.0	36.6	48.3	126.0	0.36		Rain.
13	9	45.0	—					0.36		
13	15	38.0	—	0.0						
13	21	50.5	—	1.0						
14	3	61.5	—	62.7	41.4	52.1	110.0	0.25		Heavy dew.
14	9	46.0	—					0.0		
14	15	41.5	—					0.0		
14	21	56.5	—					0.0		
15	3	65.0	—					0.0		
15	9	49.8	—	68.0	42.5	55.3	125.0	0.0		Distant objects very visible at 1 ^h .
15	15	43.2	—					0.0		
15	21	57.0	—	0.5						
16	3	76.0	—	0.25						
16	9	58.0	—	0.36						
Sunday 21										At 17 ^d 0 ^h pressure 4 lbs.
17	15	44.5	—	64.8	44.6	54.7	110.0	0.36		
17	21	54.8	—					0.36		
18	3	60.5	—	68.5	43.0	55.8	125.0	0.5		Sea-breeze.
18	9	45.5	—					0.0		
18	15	44.5	—					0.0		
18	21	59.2	—					0.25		
19	3	78.0	—					0.64		
19	9	60.0	—	80.5	53.5	67.0	—	0.64		Clear atmosphere.
19	15	54.5	—					0.64		Sultry.
19	21	69.0	—	—						
20	3	77.0	—	0.5						
20	9	55.3	—	0.0						
20	15	49.5	—	80.5	48.0	64.3	—	1.0	0.70	Sultry and close.
20	21	48.8	—					1.0		Slight rain.
21	3	49.5	—	1.0						
21	9	46.6	—	1.0						
21	15	46.5	—	1.0						
21	21	54.5	—	1.0						
22	3	56.0	—	0.64						
22	9	45.2	—	0.15						
22	15	39.0	—	0.0						
22	21	52.2	—	0.15						
23	3	63.2	—	1.0						
23	9	51.8	—	1.0						
Sunday 21										Sea-breeze, but clouded from N.W.
24	15	49.0	—	57.2	47.2	52.2	105.0	1.0	0.58	Heavy rain.
24	21	57.2	—					1.0		
25	3	59.2	—	59.0	41.5	50.3	124.0	0.5		
25	9	51.5	—					0.5		
25	15	43.5	—					0.0		
25	21	56.8	—					0.0		
25	21	56.8	—					0.0		

* The Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				Solar Rad.
OCTOBER.									
D.	H.	°	°	°	°	°		In.	
26	3	65.3	— ^a	65.5	44.6	55.0	139.0	0.25	Sea-breeze, with haze.
26	9	50.2	—					0.0	Much dew.
26	15	44.5	—					0.25	Haze.
26	21	60.0	—	72.5	53.5	63.0	90.0	0.36	General haze.
27	3	74.5	—					0.0	Hot and sultry.
27	9	64.0	—					1.0	Unsettled weather; pressure at 12 ^h , 5 lbs.
27	15	55.0	—	72.5	53.5	63.0	90.0	1.0	
27	21	68.5	—					1.0	Close and sultry.
28	3	71.5	—					1.0	Heavy thunder and lightning at 5 ^h .
28	9	56.5	—	—	48.5	—	94.0	0.25	
28	15	49.8	—					0.0	Fresh gale; pressure 8 lbs.
28	21	61.5	—					0.5	Fresh gale and squally; pressure at 20 ^h , 10 lbs.
29	3	63.0	—	—	56.8	—	—	1.0	Squalls, with occasional light rains; pressure at 1 ^h , 10 lbs.
29	9	49.2	—					0.6	Very squally; pressure at 10 ^h , 7 lbs.
29	15	47.0	—					1.0	
29	21	56.5	—	—	56.8	—	—	0.25	Gloomy.
30	3	60.4	—					1.0	
30	9	49.8	—					0.5	
Sunday 21				—	48.5	—	—	1.0	
31	15	48.8	45.0					0.75	Gloomy.
31	21	59.2	47.0						
NOVEMBER.									
1	3	72.5	50.0	69.5	51.6	60.6	124.0	1.0	Gloomy.
1	9	61.8	55.0					1.0	Gloomy.
1	15	52.5	49.0					0.0	A cirrous haze.
1	21	68.5	54.0	79.0	50.5	64.8	108.5	0.64	
2	3	72.5	57.0					1.0	Passing heavy showers; hot and sultry at 1 ^h .
2	9	58.5	51.0					0.75	
2	15	52.0	42.0	79.0	50.5	64.8	108.5	1.0	Hazy.
2	21	62.0	51.0					0.64	
3	3	65.2	44.0					1.0	
3	9	49.0	45.0	—	43.8	—	104.0	1.0	Dark and gloomy.
3	15	44.8	43.0					0.5	
3	21	54.0	38.0					1.0	Gloomy.
4	3	59.8	47.0	60.0	48.3	54.2	—	0.5	Fine.
4	9	49.7	45.0					1.0	Dark and gloomy.
4	15	48.5	46.0					1.0	Gloomy.
4	21	60.2	52.0	60.0	48.3	54.2	—	1.0	Gloomy.
5	3	63.3	51.0					1.0	
5	9	52.5	46.0					1.0	
5	15	51.0	45.0	67.0	51.2	59.1	—	1.0	Very dark and gloomy.
5	21	58.8	50.0					1.0	Rain at 23 ^h .
6	3	63.5	52.0					1.0	Rain continuing.
6	9	50.0	43.0	67.0	51.2	59.1	—	1.0	Rain continuing.
Sunday 21									
7	15	44.0	41.0					58.0	44.1	51.0	131.0	0.0
7	21	57.8	46.0	1.0	Gloomy.				
8	3	67.2	49.0	1.0	Sea-breeze.				
8	9	—	—	74.5	53.5	64.0	—	1.0	
8	15	55.5	44.0					0.15	A moderate gale at 13 ^h . [from 22 ^h to 23 ^h from 8 to 10 lbs.
8	21	74.8	51.0					1.0	A fresh gale and hot wind from N. to W. at 23 ^h ; pressure
9	3	66.2	56.0	75.0	50.4	62.7	—	1.0	Wind moderating; rain at 5 ^h .
9	9	58.6	51.0					1.0	Rain ceased.
9	15	52.0	50.0					0.15	Clear atmosphere.
9	21	60.5	44.0	75.0	50.4	62.7	—	0.25	
10	3	61.2	48.0					0.25	
10	9	51.8	47.0					0.36	
10	15	48.2	44.0	61.5	48.0	54.8	—	1.0	
10	21	62.0	47.0					0.64	
11	3	64.2	55.0					0.36	Sea-breeze.
11	9	51.5	45.0	61.5	50.5	56.0	109.0	0.25	Misty.
11	15	52.2	42.0					—	Squally.
11	21	62.2	52.0					1.0	Gloomy; heavy showers at 23 ^h .

^a The Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
NOVEMBER.										
D.	H.	°	°	°	°	°		In.		
12	3	63.0	44.0	—	48.2	—	84.0	0.15	0.01	Squalls from the S. W.; pressure from 6 to 8 lbs. Squally, pressure 6 lbs. Fresh squalls.
12	9	48.2	—							
12	15	48.7	42.0							
12	21	60.5	—							
13	3	64.0	50.0							
13	9	51.6	47.0	70.0	48.8	59.4	127.0	1.0	0.03	Violent squalls from N.W.; pressure from 0 ^h from 10 to 14 lbs. Wind moderating; rain; pressure at 11 ^h 6 lbs.
Sunday 21										
14	15	51.0	43.0							
14	21	66.0	48.0							
15	3	77.8	55.0							
15	9	61.5	54.0	77.0	60.2	63.6	119.0	0.25	0.01	Sea breeze. A N. W. gale commenced at 1 ^h , hot and oppressive; pressure Wind moderating; pressure at 6 ^h 8 lbs. Bright lightning in the S.; pressure 4 lbs. Light rain and squalls. Passing showers and squalls; pressure 5 lbs.
15	15	61.2	51.0							
15	21	73.5	56.0							
16	3	79.0	55.0							
16	9	63.0	—							
16	15	53.2	45.0	83.5	52.3	67.9	97.0	0.25	0.01	
16	21	64.4	45.0							
17	3	66.0	45.0							
17	9	49.8	42.0							
17	15	46.6	44.0							
17	21	58.2	43.0	63.0	45.0	54.0	100.0	—	0.01	Lightning at 13 ^h . Strong squalls with passing showers. Heavy gale with violent squalls; pressure at 2 ^h 17 lbs. Rain from 5 ^h to 11 ^h . Light rain.
18	3	65.4	— ^a							
18	9	49.8	—							
18	15	50.6	—							
18	21	61.6	—							
19	3	77.5	—	75.7	53.4	64.6	115.5	0.25	0.34	
19	9	60.0	—							
19	15	54.5	—							
19	21	68.8	—							
20	3	72.0	—							
20	9	56.5	—	82.0	49.5	65.8	102.0	0.36	0.18	Hot and sultry; N.W. wind at 1 ^h . Heavy rain with thunder from S. E. at 5 ^h .
Sunday 21										
21	15	50.0	—							
21	21	64.8	—							
22	3	73.8	—							
22	9	55.2	—	75.0	45.8	60.4	124.5	0.0	0.01	Pressure at 22 ^h 6 lbs.
22	15	46.5	—							
22	21	61.2	—							
23	3	65.5	—							
23	9	55.5	—							
23	15	55.0	—	67.5	53.0	60.3	124.0	0.36	—	Sea breeze; pressure at 1 ^h 4 lbs. Gloomy.
23	21	66.5	—							
24	3	65.4	—							
24	9	53.2	—							
24	15	49.5	—							
24	21	69.5	—	70.6	49.6	60.1	94.0	1.0	0.04	General haze. Sea breeze. Hazy. Gloomy; pressure 6 lbs. Rain commenced at 23 ^h . Weather clearing; pressure from 2 ^h to 4 ^h 10 lbs.
25	3	70.2	—							
25	9	53.7	—							
25	15	51.5	—							
25	21	66.0	—							
26	3	69.0	—	69.0	50.4	59.7	84.0	0.75	0.28	
26	9	55.8	—							
26	15	48.0	—							
26	21	65.5	—							
27	3	72.2	—							
27	9	54.8	—	67.5	47.5	57.5	—	0.5	0.04	Clouded unsettled weather. Unsettled weather. Passing showers and squalls; pressure 6 lbs. Occasional light showers.
27	15	51.5	—							
27	21	66.0	—							
28	3	61.5	—							
28	9	52.2	—							
28	15	49.5	—	76.2	46.8	61.5	108.0	0.25	0.24	Occasional violent squalls.
28	21	54.4	—							
29	3	61.5	—							
29	9	52.2	—	65.5	49.5	57.5	—	0.25	—	Occasional pressure from 0 ^h to 8 ^h 6 to 7 lbs.
29	15	49.5	—							
29	21	65.0	—							

^a The instrument out of order.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				Solar Rad.
NOVEMBER.									
D.	H.	°	°	°	°	°	°	In.	
30	3	66.0	— ^a	73.5	52.0	62.8	—	1.0	
30	9	54.6	—					0.15	
30	15	53.0	—						
30	21	70.2	—						
DECEMBER.									
1	3	61.8	—	69.0	44.0	66.5	—	1.0	Drizzling rain.
1	9	53.5	—					0.5	
1	15	45.5	—	70.0	47.2	58.6	108.0	0.25	
1	21	63.5	—					0.25	
2	3	68.3	—					1.0	
2	9	52.2	—					0.25	
2	15	47.2	—	64.5	46.8	55.7	121.0	0.64	
2	21	59.5	—					1.0	Rain.
3	3	64.5	—					0.25	
3	9	54.0	—					0.36	0.27
3	15	48.8	—	67.5	41.5	54.5	135.0	1.0	Rain.
3	21	56.5	—					1.0	Rain.
4	3	59.8	—					0.25	
4	9	51.2	—					1.0	Gloomy.
Sunday 21									
5	15	43.0	—	68.2	44.0	56.1	133.0	0.15	
5	21	59.8	—					0.0	Light haze.
6	3	68.8	—	70.0	46.0	58.0	132.0	0.15	Sea breeze.
6	9	53.0	—					0.15	
6	15	45.4	—					0.0	
6	21	62.5	—					0.15	
7	3	70.4	—	66.8	57.4	62.1	—	0.25	Sea breeze.
7	9	53.5	—					0.0	
7	15	47.0	—	70.0	42.8	56.4	132.0	0.0	
7	21	67.2	—					0.0	A slight haze.
8	3	69.2	—					0.25	Sea breeze.
8	9	57.8	—					1.0	
8	15	56.5	—	72.5	49.0	60.8	134.0	1.0	
8	21	67.0	—					1.0	Heavy dark clouds.
9	3	62.6	—	77.6	57.6	67.6	133.0	1.0	Sea breeze with much haze.
9	9	51.8	—					0.36	
9	15	43.5	—					0.0	Haze.
9	21	62.0	—					0.0	A deep haze.
10	3	71.0	—	73.3	52.7	63.0	132.0	0.0	Sea breeze with haze.
10	9	53.8	—					0.0	Fine.
10	15	49.2	—	80.4	64.2	72.3	109.0	0.0	
10	21	70.4	—					0.0	Sea breeze commencing.
11	3	76.0	—					0.0	
11	9	61.5	—					0.5	
Sunday 21									
12	15	58.3	—	73.3	52.7	63.0	132.0	1.0	Pressure at 12 ^d 3 ^h 7 lbs.
12	21	70.5	—					0.5	A cirrous haze.
13	3	69.2	—	88.8	52.4	70.6	97.0	0.5	Pressure at 1 ^h 5 lbs.
13	9	54.2	—					1.0	Slight drizzling rain at 7 ^h .
13	15	53.0	—					1.0	Gloomy.
13	21	63.2	—					0.5	Haze diffused.
14	3	69.8	—	72.0	50.5	61.3	148.5	0.25	Sea breeze.
14	9	55.5	—					0.0	Distant objects very visible.
14	15	50.4	—	80.4	64.2	72.3	109.0	0.0	
14	21	70.5	—					0.0	Much haze ; sea breeze.
15	3	80.0	—					0.0	Hazy.
15	9	67.2	—					1.0	Heavy clouds in the N. by W.
15	15	67.5	—	77.6	57.6	67.6	133.0	1.0	Sultry at 13 ^h .
15	21	80.8	—					1.0	Unsettled weather.
16	3	80.8	—	88.8	52.4	70.6	97.0	1.0	Hot and oppressive ; pressure from 0 ^h to 6 ^h from 6 to 8 lbs.
16	9	63.0	—					0.36	Squally.
16	15	—	—					0.15	Fresh squalls.
16	21	62.8	—					0.25	Pressure 6 lbs.

^a The Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Rain.	Weather and Remarks.	
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				Solar Rad.
DECEMBER.										
D.	H.	°	°	°	°	°		In.		
17	3	62.5	— ^a	69.0	44.0	56.5	—	0.25	0 04	Pressure 0 ^h to 5 ^h , from 6 to 8 lbs. Slight aurora in S. at 11 ^h . Slight showers. Occasional squalls.
17	9	47.2	—							
17	15	45.0	—							
17	21	56.5	—							
18	3	63.2	—							
18	9	50.0	—							
Sunday 21										
19	15	45.2	—	67.2	43.6	55.4	134.0	0.0		Calm and fine. Sea-breeze; pressure at 1 ^h , 4 lbs.
19	21	61.0	—							
20	3	65.5	—	69.0	51.5	60.3	—	0.0	b	Misty. Gloomy; rain. Rain. Rain. Heavy clouds in the N.W. Rain; pressure at 20 ^h , 5 lbs. Pressure at 1 ^h , 8 lbs. Squalls; pressure 4 lbs.
20	9	55.0	—							
20	15	51.5	—							
20	21	63.5	—							
21	3	68.0	—							
21	9	61.5	—							
21	15	52.6	—	72.2	51.6	61.9	—	1.0	b	
21	21	60.8	—							
22	3	66.5	—	68.8	51.2	60.0	—	0.15	b	
22	9	54.2	—							
22	15	52.0	—							
22	21	61.5	—							
23	3	74.0	—							
23	9	62.2	—							
23	15	59.0	—	74.5	59.0	66.8	130.0	0.5	—	A fresh northerly gale; pressure at 21 ^h , 10 lbs.; at 23 ^h , 16 lbs. Violent squalls.
23	21	70.5	—							
24	3	82.0	—	82.5	54.6	68.6	—	0.25	—	
24	9	60.0	—							
24	15	55.0	—							
24	21	62.5	—							
25	3	64.5	—							
25	9	53.2	—							
Sunday 21										
26	15	51.5	—	66.0	51.2	58.6	100.0	1.0		Squalls.
26	21	60.0	—							
27	3	67.2	—	68.8	48.0	58.4	113.0	0.64	—	
27	9	54.0	—							
27	15	48.0	—							
27	21	59.5	—							
28	3	63.8	—							
28	9	52.5	—							
28	15	49.8	—	64.5	46.8	55.7	132.0	0.75	—	Becoming overcast from the S. Misty. A cirrous haze.
28	21	63.0	—							
29	3	79.8	—	80.2	55.7	67.9	—	0.25	—	
29	9	60.2	—							
29	15	56.8	—							
29	21	63.5	—							
30	3	66.2	—							
30	9	57.2	—							
30	15	52.2	—	75.8	51.6	63.7	127.0	1.0	—	Squally. Gloomy. Hazy. Drizzling rain at 7 ^h . Light drizzling rain.
30	21	58.5	—							
31	3	64.8	—	67.8	49.5	58.7	130.0	1.0	—	Calm. Fresh sea-breeze. Overcast.
31	9	—	—							
31	15	49.5	—							
31	21	66.5	—							

^a The Hygrometer broken.

^b Amount of rain not recorded.

VAN DIEMEN ISLAND, 1842.

MAGNETICAL OBSERVATIONS.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JANUARY.	1	36.0	29.0	32.3	—	—	—	—	—	—	—	—	
	2	—	—	—	39.3	40.0	40.6	41.3	41.4	39.9	—	35.5	
	3	42.5	42.3	41.3	41.8	40.3	41.7	41.6	44.5	39.7	38.7	35.4	35.4
	4	45.0	40.7	40.1	41.2	41.2	43.5	44.1	45.6	43.2	37.9	34.5	33.2
	5	42.4	40.3	42.0	43.5	43.4	43.1	43.1	42.0	41.2	41.0	37.4	39.1
	6	—	45.5	42.4	43.2	—	—	43.5	43.6	41.3	39.1	34.6	33.6
	7	46.1	42.5	44.3	41.3	40.1	42.6	47.4	41.2	41.6	39.8	37.5	38.1
	8	46.4	43.4	43.7	—	—	—	—	—	—	—	—	—
	9	—	—	—	45.5	45.5	43.1	44.9	44.5	44.5	42.4	39.4	38.4
	10	45.5	44.1	44.7	43.6	44.1	44.1	44.6	42.7	41.5	40.7	37.8	35.8
	11	46.2	44.6	44.0	42.1	39.1	43.4	44.6	43.2	41.1	40.3	39.7	41.4
	12	44.9	45.1	43.4	42.9	44.1	—	43.4	43.0	42.0	41.3	39.3	38.1
	13	44.6	44.6	45.7	—	44.8	44.8	43.5	42.5	41.0	39.5	37.7	38.2
	14	45.0	45.4	45.0	44.9	44.2	43.5	44.7	44.4	43.3	43.3	41.2	38.6
	15	47.2	46.5	45.8	—	—	—	—	—	—	—	—	—
	16	—	—	—	44.2	42.5	43.1	42.6	42.8	42.2	41.2	40.1	38.9
	17	45.9	44.1	44.9	44.8	46.5	45.1	44.4	43.3	42.0	42.8	39.6	37.8
	18	45.1	43.5	40.9	42.4	44.5	41.2	38.0	46.2	—	42.2	38.8	37.5
	19	44.8	44.2	43.4	45.7	43.5	43.3	45.4	46.6	40.9	41.2	39.3	37.3
	20	46.5	45.2	43.0	45.0	46.1	45.6	45.0	44.5	42.5	42.4	39.7	—
	21	45.1	44.1	42.2	44.4	—	45.5	41.6	43.5	41.1	39.5	38.7	39.5
	22	45.9	46.3	45.9	—	—	—	—	—	—	—	—	—
	23	—	—	—	46.7	45.5	45.7	44.7	44.0	45.1	43.0	40.7	39.8
	24	46.0	45.0	45.0	44.9	—	38.6	42.7	43.6	42.2	39.7	42.8	42.0
	25	47.5	46.9	44.9	45.4	—	44.3	44.6	44.5	45.9	42.1	39.2	38.5
	26	46.6	46.5	46.0	46.5	46.3	46.2	46.2	45.6	43.3	42.9	39.0	39.9
	27	47.3	46.9	47.2	44.3	45.7	45.5	43.1	—	44.4	38.9	42.3	39.2
	28	47.2	47.0	46.3	46.3	46.1	45.3	44.9	—	42.4	41.5	37.6	37.1
	29 ^a	48.0	46.7	46.7 ^b	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	45.20	43.90	43.52	43.91	43.67	43.63	43.75	43.78	42.27	40.93	38.66	37.90	
FEBRUARY.	1 ^a	— ^b	—	—	—	—	—	—	—	—	—	59.3	
	2	62.5	66.1	61.5	65.2	65.1	64.3	63.9	63.5	64.0	63.5	61.4	58.8
	3	69.4	68.7	64.4	63.2	65.7	66.7	67.1	68.6	68.0	67.3	64.0	60.3
	4	68.6	68.3	67.8	67.3	67.0	66.6	67.2	68.1	66.8	64.9	63.7	64.0
	5	68.3	68.4	68.5	—	—	—	—	—	—	—	—	—
	6	—	—	—	66.5	68.9	68.3	68.6	68.2	66.6	65.1	65.8	61.2
	7	71.0	68.1	79.4	66.5	67.2	66.2	65.6	66.7	67.6	66.3	62.7	63.0
	8	69.7	67.2	69.5	68.9	71.7	69.8	69.0	70.3	—	67.0	64.7	64.6
	9	70.1	69.9	70.3	70.2	70.2	69.9	69.8	69.8	67.7	66.7	63.4	61.0
	10	66.5	64.3	68.6	69.2	68.8	69.5	71.1	69.2	68.0	66.9	64.5	62.6
	11	69.8	67.8	65.8	66.5	67.4	67.4	67.4	67.3	70.1	71.5	68.3	65.0
	12	66.8	60.0	64.8	—	—	—	—	—	—	—	—	—
	13	—	—	—	66.6	67.0	66.6	68.2	68.8	68.0	66.5	63.2	61.6
	14	71.5	68.8	69.5	69.9	—	68.5	67.6	68.1	70.9	73.9	67.9	65.0
	15	69.8	70.4	69.0	68.2	69.6	69.2	69.8	68.9	67.5	66.3	64.5	62.0
	16	71.2	71.0	70.5	70.1	69.7	68.4	68.9	67.4	66.8	64.8	64.3	59.0
	17	69.6	53.2	57.3	65.0	63.7	76.7	56.9	66.5	69.5	66.3	63.3	61.9
	18	67.7	67.8	53.0	57.9	67.9	72.5	65.6	69.1	68.2	70.2	68.7	68.4
	19	70.1	62.9	55.6	—	—	—	—	—	—	—	—	—
	20	—	—	—	65.0	67.0	69.9	68.8	69.0	71.2	70.3	68.0	65.3
	21	68.8	69.8	71.0	70.3	69.8	—	69.8	69.8	69.5	67.7	66.6	63.1
	22	70.1	70.3	70.3	70.0	69.9	68.8	68.4	—	69.2	66.8	64.8	63.3
	23	69.8	70.0	70.0	69.5	68.3	68.4	69.3	69.7	69.0	66.5	64.5	61.7
	24	60.0	60.2	66.4	65.6	64.1	62.9	47.5	54.7	63.9	66.6	86.4	79.5
	25	70.5	70.3	70.6	70.1	68.6	69.2	69.1	60.3	65.8	62.2	62.5	61.4
	26	69.1	69.6	68.7	—	—	—	—	—	—	—	—	—
	27	—	—	—	70.4	70.6	69.6	70.1	69.6	68.2	67.3	64.4	61.6
	28 ^a	70.9	70.4	70.5	70.7	70.0	69.6	68.9	69.2	68.8	67.7	— ^c	—
Hourly Means	68.77	67.11	67.09	67.51	68.10	68.59	66.90	67.40	67.97	67.06	65.80	63.20	

^a Omitted in the daily means.

^b Instrument under adjustment.

^c Magnet removed for experiments of vibration.

DECLINATION.												
Zero Scale Division, in January 64.0 ; in February 63.2.												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
34.4	36.5	41.4	46.6	51.8	53.0	52.8	52.5	49.9	46.7	45.5	45.2	41.99
32.6	35.2	41.0	47.1	51.3	54.0	54.3	52.1	48.9	47.6	47.4	47.9	43.52
32.9	34.5	38.2	39.8	46.9	48.5	48.9	49.0	49.0	49.3	46.9	47.2	42.55
39.2	40.9	41.7	43.8	47.4	49.2	47.5	47.3	46.9	47.2	47.2	46.1	43.45
36.6	38.8	43.9	49.4	48.7	48.9	49.0	49.6	49.8	47.6	46.0	46.3	43.88
39.3	42.5	45.9	47.4	48.1	46.4	44.6	44.9	45.8	46.6	47.0	46.5	43.65
40.1	42.6	45.3	48.0	49.8	48.8	48.5	48.9	48.3	47.2	45.1	45.5	44.99
36.4	36.9	43.3	45.4	49.6	52.3	53.0	51.7	52.2	50.7	48.3	47.6	44.86
41.7	42.5	50.4	52.0	51.6	50.0	49.0	48.2	—	45.9	45.5	45.4	44.87
36.5	38.0	42.3	49.1	51.1	53.1	52.1	49.9	48.1	46.9	46.0	44.8	44.58
38.2	39.7	43.2	46.2	49.0	51.4	51.3	50.0	47.2	46.2	46.2	46.2	44.42
36.4	38.9	44.3	48.8	53.8	54.5	55.5	54.7	49.9	49.0	—	48.2	45.98
37.6	39.8	44.3	51.4	57.5	57.5	55.6	52.1	49.7	48.1	47.1	43.9	45.90
37.8	38.6	42.0	45.7	49.1	52.2	53.2	53.1	51.9	48.4	46.2	45.4	45.20
36.0	40.5	43.6	49.7	55.8	56.0	53.2	51.9	50.0	47.5	46.9	45.0	45.02
38.3	38.4	42.3	46.3	49.1	50.8	50.0	48.6	47.7	46.8	46.0	45.9	44.45
39.0	41.2	45.6	51.7	56.0	55.1	54.7	52.0	50.5	47.1	46.6	45.5	46.58
40.5	44.8	44.4	46.8	48.9	49.5	49.7	49.1	47.9	46.8	43.0	46.2	44.47
41.1	43.1	43.6	45.5	49.0	50.8	50.8	50.5	48.9	47.4	46.0	46.1	45.67
41.6	44.6	45.9	49.7	54.4	54.5	53.5	51.8	51.8	50.1	48.4	48.1	46.39
40.0	43.7	44.9	47.5	50.9	52.4	50.8	48.3	47.1	46.2	46.2	46.5	45.54
41.4	45.8	45.8	56.9	59.7	56.0	51.4	49.0	48.5	48.2	47.9	46.8	47.18
39.6	43.2	46.8	51.3	54.6	53.3	51.0	48.6	47.2	46.6	46.5	46.0	46.07
39.9	45.9	47.7	55.1	57.5	57.9	54.8	52.6	50.8	50.2	49.3	49.4	47.51
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
38.21	40.69	44.07	48.38	51.73	52.34	51.47	50.27	49.04	47.68	46.57	46.32	44.94
57.1	61.2	65.4	67.2	70.6	72.2	71.6	71.3	66.0	67.6	67.9	58.5	—
57.5	59.5	60.2	63.6	67.3	70.9	70.5	72.2	71.5	67.2	69.5	70.0	64.99
60.3	61.8	63.5	68.1	72.6	74.9	75.9	74.9	72.4	69.0	67.7	68.6	67.63
63.0	64.5	66.5	69.8	72.5	73.5	73.6	72.8	71.0	70.3	69.4	69.5	68.20
61.3	63.7	68.4	78.5	81.2	79.3	78.9	76.6	76.0	73.7	71.8	69.8	70.15
64.7	67.2	69.0	70.8	73.2	75.4	75.2	73.5	73.7	72.5	71.3	70.7	69.48
65.5	67.5	70.5	75.0	79.1	80.6	78.6	75.9	73.4	71.0	70.8	69.2	70.85
61.7	65.5	69.7	74.0	77.7	78.9	78.0	76.1	73.8	71.6	68.6	69.5	70.17
62.0	63.4	68.6	74.4	79.2	81.0	80.2	79.0	74.6	71.6	70.5	70.4	70.17
67.6	70.7	72.0	74.8	77.8	80.7	81.8	83.2	76.3	72.2	61.6	64.2	70.72
60.8	64.9	70.4	75.5	79.5	80.7	79.3	—	74.7	73.6	72.8	72.3	69.24
64.9	68.1	70.8	77.1	79.2	80.8	79.8	75.7	72.5	70.2	68.9	70.0	71.28
64.1	64.8	67.7	71.6	73.9	75.2	75.5	75.1	73.8	73.0	71.5	71.3	69.70
59.6	60.0	72.8	77.5	78.2	78.6	79.3	80.5	76.7	74.4	72.7	72.0	70.60
63.8	69.0	71.8	75.5	78.2	79.4	76.8	73.5	74.1	73.4	72.3	64.2	68.41
64.8	68.7	72.5	75.3	79.8	79.1	78.7	75.4	74.6	67.8	68.1	70.8	69.69
65.1	68.7	70.5	76.2	76.6	75.8	75.6	74.4	70.8	70.8	71.3	70.5	69.56
62.3	64.7	68.2	73.0	76.8	77.4	76.9	74.7	72.6	70.9	70.5	70.2	70.19
63.5	67.0	73.1	76.4	77.0	76.6	77.1	72.9	70.8	69.6	70.1	70.0	70.26
62.6	66.9	72.2	76.1	77.9	77.8	76.5	74.6	73.6	72.3	70.9	69.8	70.33
73.6	73.0	77.5	77.2	78.1	77.6	76.4	73.5	71.2	70.4	70.4	70.7	69.47
59.6	65.4	70.3	74.3	75.6	75.7	74.5	74.5	73.1	73.0	71.3	70.7	69.11
61.6	63.2	73.0	79.4	82.5	82.2	79.2	75.4	—	72.3	71.3	70.5	70.86
—	—	—	—	—	—	79.3	76.8	74.3	72.0	71.6	71.4	—
62.91	65.63	69.76	73.97	76.72	77.58	77.05	75.33	73.11	71.27	70.12	69.37	69.55

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing numbers denote increasing Easterly Declination													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MARCH.	1	71.1	68.6	68.5	62.4	67.7	69.3	69.5	—	69.5	68.4	70.6	67.7
	2	69.2	63.1	62.5	68.8	68.3	72.0	70.1	73.2	70.1	72.2	69.7	67.9
	3	70.3	70.7	70.0	73.7	70.4	70.0	69.8	70.0	72.0	70.2	69.1	66.6
	4	71.5	71.2	71.3	70.4	70.8	71.5	71.3	70.0	70.8	71.3	68.9	65.8
	5	—	65.7	70.3	—	—	—	—	—	—	—	—	—
	6	—	—	—	69.4	70.5	70.1	70.3	70.0	70.0	69.2	67.1	65.7
	7 ^a	—	70.5	70.1	70.3	—	—	—	—	70.1	71.6	68.4	64.1
	8	70.1	68.0	68.5	68.6	70.7	69.1	71.4	71.2	70.4	69.2	67.5	64.5
	9	72.0	71.7	70.0	71.6	71.3	71.2	70.4	69.8	70.6	71.4	68.4	65.9
	10	72.7	71.3	72.2	71.7	72.6	72.5	73.1	74.0	72.8	71.0	68.2	65.0
	11	71.4	71.5	68.3	70.7	71.2	71.7	69.3	72.7	71.0	70.2	69.2	67.2
	12	72.8	72.3	70.0	—	—	—	—	—	—	—	—	—
	13	—	—	—	71.4	71.7	72.5	76.5	73.0	73.2	70.5	68.6	64.6
	14	71.8	69.8	71.3	—	72.0	72.2	72.3	71.9	71.8	69.8	67.0	66.1
	15	72.3	72.5	72.1	72.3	72.2	74.4	74.5	71.5	72.8	78.7	70.8	68.2
	16	72.9	72.4	72.6	70.1	69.6	70.8	74.0	69.9	69.1	74.4	70.5	71.3
	17	71.0	71.0	71.0	70.8	70.3	72.2	71.3	71.7	70.7	69.9	69.7	66.7
	18	72.0	72.3	71.0	70.6	71.5	72.1	72.3	71.0	71.5	69.8	68.5	65.4
	19	70.6	68.6	66.1	—	—	—	—	—	—	—	—	—
	20	—	—	—	69.0	69.0	—	68.9	70.1	70.0	69.4	69.1	67.5
	21	72.3	72.6	70.8	70.7	72.6	72.5	72.2	70.7	70.7	71.4	70.1	67.1
	22	72.2	72.4	71.9	71.8	72.8	73.1	72.2	69.8	70.3	71.3	68.7	66.6
	23	70.5	71.1	71.0	69.5	70.4	72.1	71.5	70.8	69.6	68.8	66.2	62.9
	24	70.9	71.7	71.9	71.7	71.5	71.0	73.8	71.7	68.0	70.4	69.0	66.6
	25	71.6	70.9	—	69.8	70.3	72.5	71.1	72.6	73.8	76.4	71.9	67.0
	26	72.6	72.3	72.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	70.5	71.6	71.5	72.8	70.5	72.7	70.3	69.1	68.3
	28	68.5	68.8	69.6	66.5	72.1	—	71.7	72.2	71.1	71.4	71.2	67.6
	29	70.5	70.7	72.3	74.1	73.5	71.3	75.2	79.1	69.8	70.2	69.5	68.8
	30	71.0	66.9	63.5	69.9	70.2	72.2	74.3	74.4	71.0	70.3	70.2	68.9
	31 ^a	72.0	71.1	72.6	72.1	72.8	72.4	72.8	73.5	72.2	73.5	— ^b	—
Hourly Means	71.33	70.32	69.95	70.25	70.99	71.64	71.99	71.80	70.93	71.04	69.15	66.80	
APRIL.	1 ^a	— ^c	—	—	—	—	—	—	—	—	—	—	
	2	70.8	70.1	70.0	—	—	—	—	—	—	—	—	
	3	—	—	—	70.5	72.7	73.0	72.4	74.1	78.4	79.5	80.3	71.6
	4	68.3	68.0	71.0	—	70.9	74.3	72.2	70.1	70.0	69.9	69.6	69.8
	5	70.6	71.8	71.3	71.6	72.1	71.9	70.7	70.3	71.5	75.1	72.0	67.5
	6	70.6	71.8	70.8	69.7	71.0	70.6	71.9	72.4	71.0	70.8	69.9	69.1
	7	71.3	71.5	71.9	71.2	72.0	71.1	71.5	71.0	—	71.1	69.0	66.5
	8	71.3	71.0	71.5	71.7	71.5	72.0	72.1	71.0	71.3	69.3	70.2	62.0
	9	70.8	70.6	70.6	—	—	—	—	—	—	—	—	—
	10	—	—	—	71.1	71.3	71.6	70.6	70.0	72.3	71.6	70.2	69.5
	11	58.7	64.0	67.8	63.6	69.3	71.5	72.3	69.7	71.3	70.4	67.1	64.6
	12	66.5	60.7	63.0	67.2	73.0	76.1	—	—	78.2	74.8	74.6	72.4
	13	62.3	71.2	59.8	50.9	69.3	71.7	70.8	81.0	73.7	72.4	74.1	73.0
	14	63.5	69.3	71.1	71.3	72.4	72.4	72.6	71.7	70.5	71.1	69.3	68.3
	15	62.9	70.1	73.6	67.5	67.7	72.1	73.5	76.5	79.2	84.2	72.4	73.1
	16	66.8	66.4	70.2	—	—	—	—	—	—	—	—	—
	17	—	—	—	71.5	70.9	71.5	72.3	72.1	71.6	71.4	69.2	67.7
	18	69.5	69.7	70.7	70.2	71.3	74.1	73.7	72.8	71.6	70.0	68.3	67.2
	19	65.2	70.0	69.5	72.0	71.4	75.4	75.2	71.1	72.0	71.5	70.1	68.2
	20	71.6	69.0	69.1	71.0	68.4	70.4	72.1	70.6	69.4	70.4	69.0	67.9
	21	55.3	62.5	69.9	67.9	78.4	72.4	74.0	70.0	70.1	71.2	70.5	69.8
	22	71.3	71.2	71.4	71.3	72.4	71.4	73.3	72.8	71.8	71.5	71.5	—
	23	72.0	71.8	70.5	—	—	—	—	—	—	—	—	—
	24	—	—	—	71.2	—	72.1	72.0	71.9	71.5	70.6	70.4	69.5
	25	71.3	70.5	71.0	71.6	72.1	72.6	72.7	72.6	71.9	71.3	70.2	69.3
	26	72.1	70.8	70.2	71.3	72.0	71.6	71.9	70.7	70.8	70.0	69.5	69.0
	27	70.1	70.9	70.5	71.4	72.0	72.5	72.7	72.6	76.0	73.8	72.0	69.8
	28	73.3	73.0	72.7	73.1	72.9	74.5	76.6	73.6	—	72.5	72.2	71.5
	29	71.6	71.3	70.6	70.6	71.1	71.4	72.1	71.9	70.0	74.8	72.7	71.1
	30 ^a	68.1	70.2	69.7	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	72.2	72.3	72.2	72.2	72.4	72.0	71.4	71.5	— ^b
Hourly Means	68.24	69.47	69.95	69.54	71.57	72.42	72.57	72.19	72.45	72.47	71.01	69.06	

^a Omitted in the means.

^b Magnet removed for experiments of vibration; line of detorsion re-adjusted.

DECLINATION.												
Zero Scale Division, 64.5.												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
65.3	—	66.5	72.6	77.0	79.1	78.5	76.8	75.4	73.4	72.0	72.3	71.01
67.2	68.2	70.5	73.5	75.9	77.0	76.8	75.5	73.7	72.1	71.7	71.4	70.86
69.2	64.6	67.1	71.9	75.8	77.6	77.8	75.8	75.2	73.7	66.7	70.5	71.20
66.0	65.5	70.8	74.5	77.3	79.6	80.3	79.0	76.6	71.7	73.0	69.4	72.02
—	—	—	—	—	—	—	—	—	—	—	—	71.21
65.4	66.4	74.3	75.0	77.4	78.3	77.8	76.3	73.5	72.6	72.2	70.3	—
62.5	66.6	67.4	71.4	76.0	77.8	78.0	77.5	75.9	73.0	68.0	—	—
64.3	67.5	71.2	75.4	78.9	80.8	79.8	77.6	75.5	73.5	74.0	72.4	71.67
64.9	66.0	71.2	77.7	81.8	82.0	79.7	76.8	73.7	73.2	73.2	73.0	72.40
63.6	65.1	67.9	72.1	76.4	77.8	77.5	76.2	75.0	73.8	73.0	72.4	72.00
66.0	66.3	70.1	75.2	80.3	80.9	80.9	78.8	77.0	75.0	73.5	72.5	72.54
—	—	—	—	—	—	—	—	—	—	—	—	73.15
63.6	66.8	71.6	77.8	82.0	83.4	81.3	77.3	74.5	73.5	73.7	72.9	72.83
63.7	66.7	72.0	77.5	80.6	81.7	81.4	77.9	76.9	74.2	73.5	73.0	73.78
69.1	70.5	73.6	77.4	80.1	80.6	77.9	75.5	74.0	73.2	73.2	73.2	71.1
69.2	70.4	75.7	79.1	80.1	81.8	81.4	80.9	76.9	71.4	70.6	71.1	73.59
65.8	67.2	70.5	74.0	76.9	78.0	78.6	77.3	75.2	74.2	72.8	72.3	72.05
65.2	67.6	71.3	75.0	77.0	78.4	76.8	75.7	74.2	75.5	72.9	70.8	72.02
—	—	—	—	—	—	—	—	—	—	—	—	71.92
65.6	69.5	75.0	77.5	79.1	79.4	78.1	76.9	75.1	73.6	73.0	73.0	72.49
68.0	70.1	73.9	75.6	77.7	78.5	77.3	75.7	73.4	72.5	71.0	71.1	72.87
66.9	68.2	72.3	76.0	78.0	79.0	79.0	78.2	75.5	75.3	74.5	72.8	71.30
61.9	67.2	77.1	77.2	79.0	79.0	78.2	78.4	77.2	73.6	62.8	65.2	72.23
66.0	68.4	72.9	76.0	79.8	79.8	77.7	76.0	74.7	73.1	69.9	71.0	72.49
66.7	68.6	72.7	75.0	77.2	77.8	77.0	74.5	73.0	73.3	71.0	72.5	72.68
—	—	—	—	—	—	—	—	—	—	—	—	71.80
67.5	69.4	73.9	77.2	78.7	81.1	80.6	78.8	—	74.5	72.5	63.0	73.44
65.3	67.2	70.1	74.1	77.1	78.0	78.0	76.1	74.4	74.0	73.4	72.9	71.81
67.4	70.6	73.3	76.9	78.6	79.6	79.9	77.4	75.1	73.4	72.7	72.6	—
69.1	69.9	71.8	75.2	76.6	78.4	78.1	74.9	73.0	71.6	71.0	71.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
66.12	67.83	71.89	75.58	78.37	79.50	78.82	76.97	74.95	73.44	71.91	71.30	72.22
—	—	68.3	73.1	77.2	77.5	79.3	75.5	72.4	72.7	71.5	69.9	—
—	—	—	—	—	—	—	—	—	—	—	—	73.01
66.6	67.0	71.2	74.7	75.8	77.6	76.7	73.4	72.0	71.8	71.0	71.1	71.67
66.8	68.0	71.6	75.0	77.0	77.5	76.4	73.9	72.9	72.4	71.4	71.5	71.88
67.2	69.2	71.1	73.5	76.0	77.6	75.6	74.5	72.5	70.3	69.6	71.6	72.05
68.6	70.6	74.1	76.9	78.8	77.0	74.7	72.2	71.8	71.6	72.0	71.2	71.45
65.2	67.3	70.4	74.2	75.2	76.0	75.4	73.7	71.7	72.6	72.1	71.4	71.45
66.3	68.8	71.0	73.7	75.8	76.2	76.5	74.1	73.5	72.0	71.5	70.6	73.51
—	—	—	—	—	—	—	—	—	—	—	—	70.41
67.4	66.5	72.3	75.0	78.6	82.5	83.3	86.2	81.0	78.7	74.2	68.4	71.90
67.7	67.5	71.5	76.7	77.7	78.2	78.3	76.8	72.4	70.5	71.5	70.8	71.31
77.7	74.5	76.9	75.5	77.8	78.0	77.0	78.3	72.5	65.1	60.9	61.0	72.66
75.8	70.8	72.5	74.3	75.5	75.2	74.6	73.7	72.9	72.5	71.8	71.7	72.64
68.9	69.0	70.9	74.2	77.8	78.0	87.9	91.2	71.3	77.2	75.2	58.7	70.96
73.6	71.5	70.4	72.9	78.2	80.1	79.7	51.4	77.2	74.0	71.3	70.3	71.71
—	—	—	—	—	—	—	—	—	—	—	—	71.90
67.3	66.7	69.4	73.1	75.7	71.3	74.8	73.4	72.2	73.6	72.4	71.6	71.43
67.1	68.0	71.5	74.3	77.8	77.5	79.4	74.5	74.8	73.7	69.1	64.2	70.68
66.2	69.2	70.2	73.0	76.6	76.7	75.4	73.7	73.6	73.6	73.6	72.1	72.42
68.4	67.8	70.9	75.0	75.1	78.4	79.1	76.8	70.8	71.4	72.0	69.8	72.22
68.0	67.6	70.2	72.2	74.3	74.9	74.5	73.6	72.3	72.7	72.3	71.7	72.45
69.1	68.5	70.4	73.0	76.3	77.4	76.3	74.6	73.4	72.5	72.2	72.1	72.27
—	—	—	—	—	—	—	—	—	—	—	—	72.67
68.0	68.7	71.3	74.3	76.6	77.5	77.1	73.1	73.0	73.0	73.2	71.7	73.18
68.5	69.2	71.8	74.3	76.1	77.5	75.6	74.5	74.0	74.4	73.2	72.6	72.41
68.4	69.6	71.7	74.8	78.0	78.3	77.7	77.4	74.7	73.8	72.7	67.4	—
68.4	68.2	69.3	71.8	74.9	76.5	76.3	76.0	75.3	74.6	74.4	74.0	—
69.3	68.0	70.3	72.8	75.7	77.2	76.1	76.5	74.7	73.4	71.8	71.4	—
69.4	68.9	70.6	73.7	76.3	76.5	76.3	75.2	73.9	73.0	72.6	72.3	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	73.5	72.9	72.7	72.7	72.2	72.0	71.9	—
68.75	68.80	71.31	74.12	76.57	77.23	77.28	74.95	73.52	72.85	71.75	69.97	72.01

* Instrument under adjustment.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MAY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	65.5	77.6	69.7	70.1	70.7	71.2	71.0	70.6	70.9	—	68.8	
	3	—	70.5	70.7	69.0	69.9	71.0	70.4	70.6	69.9	70.3	69.3	68.5
	4	70.7	70.5	69.6	71.0	71.6	71.7	71.1	70.4	69.5	69.1	68.5	66.7
	5	70.0	70.4	70.3	70.7	71.1	70.5	71.2	72.2	—	70.7	68.9	68.1
	6	70.3	71.1	71.2	71.6	73.0	66.7	65.7	73.5	68.5	69.4	70.8	70.6
	7	61.5	66.0	63.6	—	—	—	—	—	—	—	—	—
	8	—	—	—	71.9	72.8	72.2	73.5	74.0	73.4	70.6	70.6	68.4
	9	65.6	66.7	69.0	69.9	71.2	72.0	72.7	72.0	70.2	70.4	69.8	69.0
	10	69.8	64.7	68.8	69.2	68.5	70.6	74.1	72.1	70.4	72.1	73.7	74.5
	11	69.9	67.4	68.4	68.5	70.8	71.2	71.6	71.4	71.0	71.1	70.0	69.5
	12	70.2	69.8	70.4	70.5	70.2	—	71.6	71.3	71.6	70.6	71.2	69.6
	13	70.5	71.0	71.0	70.8	71.4	71.5	72.9	71.1	71.6	71.4	71.1	70.1
	14	70.9	70.7	70.8	—	—	—	—	—	—	—	—	—
	15	—	—	—	68.8	69.6	71.1	71.8	—	71.9	72.6	73.1	69.8
	16	67.5	50.0	56.0	60.1	64.7	64.1	69.3	70.2	69.9	69.3	69.7	69.3
	17	68.2	68.5	68.7	68.4	66.8	67.5	68.3	70.9	71.5	70.8	70.0	68.9
	18	67.9	68.6	61.5	68.0	70.0	71.3	72.5	71.2	71.1	71.0	71.0	68.7
	19	66.6	66.0	67.9	65.2	70.4	73.0	73.1	72.3	71.8	71.7	71.9	70.5
	20	71.2	71.2	71.2	70.7	70.6	71.2	73.8	71.5	71.0	70.8	70.8	69.5
	21	71.2	71.2	71.4	—	—	—	—	—	—	—	—	—
	22	—	—	—	71.6	72.0	72.0	72.5	72.3	71.5	71.6	71.3	70.5
	23	71.5	71.5	71.1	71.1	—	71.2	72.4	72.2	72.4	72.0	72.5	71.4
	24	71.8	71.3	70.5	70.3	70.0	72.0	72.4	72.2	71.6	71.8	72.1	72.4
	25	70.7	70.3	66.5	68.9	71.5	72.1	71.8	72.6	74.3	73.5	72.2	71.3
	26	70.7	71.0	71.2	70.6	70.9	71.4	72.2	—	71.6	71.6	71.6	71.5
	27	71.5	71.5	69.1	70.0	71.0	71.0	71.3	71.2	72.4	71.7	70.5	69.9
	28	70.4	69.7	69.4	—	—	—	—	—	—	—	—	—
	29	—	—	—	70.5	71.2	71.3	72.5	73.6	72.0	71.6	71.0	70.5
	30	71.8	71.2	—	68.9	70.6	71.3	72.5	73.5	72.5	72.1	72.1	71.8
	31	71.5	70.9	71.0	70.7	—	72.2	72.4	72.7	71.8	71.7	71.2	71.5
Hourly Means	69.50	69.20	68.76	69.50	70.44	70.85	71.72	71.90	71.37	71.18	70.91	70.03	
JUNE.	1	70.2	69.6	69.9	69.7	70.1	70.8	71.1	70.1	—	68.5	69.5	70.9
	2	69.4	69.0	69.3	67.4	68.7	70.2	70.3	70.9	—	69.3	69.9	68.5
	3	69.8	69.0	70.9	67.2	67.3	69.8	71.1	71.4	70.9	70.2	71.1	69.1
	4	69.9	70.5	70.4	—	—	—	—	—	—	—	—	—
	5	—	—	—	70.7	71.0	—	75.9	72.0	71.7	71.6	70.2	69.6
	6	69.7	68.7	70.2	70.6	72.5	72.3	72.1	72.0	—	72.2	72.0	71.1
	7	70.2	69.2	70.3	70.6	71.9	71.5	73.9	72.5	71.5	72.0	71.4	71.1
	8	72.5	70.8	69.1	69.1	—	73.2	74.0	74.9	75.2	71.9	72.0	71.5
	9	71.4	71.5	59.3	69.5	67.3	71.8	71.7	73.2	72.7	72.5	73.2	74.3
	10	70.0	69.9	70.3	68.0	71.7	73.1	73.4	73.5	72.6	72.6	72.5	71.0
	11	—	71.6	72.2	—	—	—	—	—	—	—	—	—
	12	—	—	—	71.7	72.8	71.5	73.3	75.4	73.5	71.9	72.6	71.4
	13	—	70.4	57.1	65.6	66.1	70.7	70.9	73.2	72.2	71.8	71.8	71.3
	14	65.6	61.9	67.7	70.5	—	71.4	71.2	72.2	72.5	73.1	73.5	73.5
	15	69.0	71.3	71.1	71.1	72.3	73.1	73.2	73.1	72.5	73.7	72.5	72.8
	16	72.8	72.5	73.2	70.8	—	71.6	72.9	72.5	73.9	72.3	72.3	72.5
	17	72.6	72.6	72.4	71.7	71.9	72.8	72.6	73.1	72.5	73.5	73.1	72.9
	18	—	70.9	68.6	—	—	—	—	—	—	—	—	—
	19	—	—	—	72.2	72.5	73.5	74.3	62.1	65.8	71.2	67.5	75.7
	20	73.3	73.1	72.7	72.2	72.5	72.7	72.7	73.1	73.1	73.3	73.4	72.3
	21	72.7	72.7	73.1	72.4	73.4	73.2	73.6	73.6	73.9	73.8	73.3	72.9
	22	72.3	70.4	72.3	72.6	71.4	72.3	74.2	73.5	74.4	72.2	73.7	73.3
	23	72.7	60.7	70.5	72.7	74.2	74.2	72.5	74.2	76.4	74.6	74.5	81.2
	24	61.7	66.9	67.8	72.4	—	73.4	74.2	74.2	74.6	74.8	74.8	74.3
	25	71.8	74.4	70.7	—	—	—	—	—	—	—	—	—
	26	—	—	—	69.9	71.6	—	73.8	74.5	74.5	73.9	74.0	75.2
	27	72.5	72.0	71.7	72.0	72.8	73.2	75.6	76.3	73.2	74.0	74.0	73.9
	28	72.8	70.8	72.5	72.2	72.4	73.0	73.5	73.1	73.5	73.8	73.8	72.7
	29	72.8	72.5	72.1	72.2	72.3	73.0	75.2	74.9	72.8	73.5	73.4	73.1
	30 ^a	72.8	72.1	72.7	71.8	73.3	72.9	73.6	74.0	72.1	72.8	73.6	74.0
	Hourly Means	70.80	70.19	69.93	70.65	71.36	72.30	73.11	72.81	72.87	72.50	72.45	72.70

^a Omitted in the means.

DECLINATION, Zero Scale Division, 64·5												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
67·9	69·4	71·0	73·3	75·2	75·1	74·5	73·6	73·1	72·6	71·9	71·6	71·46
67·3	68·7	69·4	72·3	74·6	75·2	74·4	73·4	73·1	72·8	72·2	70·7	71·05
67·1	67·5	70·0	72·8	75·3	76·1	75·4	73·7	72·5	72·5	71·6	70·4	71·05
67·5	67·8	68·5	70·5	73·6	74·7	74·7	73·5	72·6	72·0	72·2	72·5	71·05
69·8	68·3	70·0	72·8	75·2	75·9	76·4	75·0	75·2	73·7	72·5	64·0	71·30
67·7	68·8	70·6	73·3	76·2	77·2	75·6	73·8	73·9	73·9	71·0	70·4	71·29
74·8	72·1	73·2	75·3	76·8	76·0	75·0	74·6	71·3	71·3	71·7	70·5	71·71
70·5	69·1	70·9	71·9	75·3	75·3	73·5	74·2	74·4	73·9	71·5	67·4	71·52
69·1	70·2	70·2	71·1	74·3	76·1	75·9	74·6	73·6	72·8	72·0	69·8	71·27
68·6	68·0	68·4	70·1	73·9	74·9	74·3	73·1	72·5	71·9	71·1	70·8	71·07
69·2	68·4	68·8	71·5	74·1	75·4	75·0	73·7	72·2	72·2	72·0	71·6	71·60
70·2	70·2	71·7	73·3	77·3	76·8	76·2	74·4	72·4	77·1	72·0	71·3	72·35
68·0	68·6	70·4	73·6	76·8	76·0	78·8	75·7	74·5	77·7	72·5	69·8	69·27
67·9	68·5	70·9	70·5	75·2	75·7	75·2	74·6	73·5	71·1	71·1	51·1	69·74
68·3	68·6	69·9	71·6	73·8	75·6	74·4	74·4	72·6	71·8	71·8	69·4	70·63
69·9	69·0	69·4	70·0	73·3	74·7	74·7	73·9	73·4	72·8	72·5	71·4	71·06
69·5	69·7	70·3	71·1	73·7	74·9	—	73·8	72·4	72·1	72·0	71·4	71·50
70·7	70·0	69·9	71·0	73·3	74·2	74·0	73·0	72·1	72·2	71·9	70·7	71·75
70·9	72·5	72·7	72·6	73·7	73·5	73·3	73·4	72·6	72·0	72·3	70·8	72·16
71·0	69·8	69·9	71·0	74·2	74·8	74·4	74·1	72·8	72·4	71·8	70·9	71·90
69·8	70·9	71·4	71·4	73·5	74·3	75·3	74·4	73·2	73·1	71·9	71·9	71·95
72·0	70·2	69·7	70·8	73·6	75·0	75·5	74·0	72·5	72·1	71·5	71·2	71·84
69·6	70·0	70·1	71·2	73·4	74·5	75·2	72·2	71·1	71·8	69·7	69·6	71·23
70·4	71·3	70·5	71·1	73·2	74·8	75·1	74·2	73·0	71·5	72·0	72·3	71·80
71·6	70·1	70·5	71·3	73·1	75·3	75·3	74·0	72·8	72·3	72·2	69·5	72·01
71·6	— ^b	68·7	68·7	70·7	72·4	72·5	71·5	70·4	70·0	70·8	70·6	71·16
69·65	69·51	70·27	71·70	74·36	75·07	74·98	73·88	72·83	72·68	71·76	69·68	71·33
69·2	69·1	69·0	70·9	73·0	75·1	75·8	73·6	72·7	72·5	67·1	69·6	70·78
69·0	69·5	70·3	71·3	72·9	73·0	72·2	71·9	70·9	70·6	70·3	69·6	70·19
68·2	68·8	68·2	69·0	70·6	73·0	73·1	71·8	71·3	71·4	70·7	70·2	70·17
68·9	70·5	69·0	71·2	73·0	73·6	72·6	71·4	70·1	71·3	71·0	70·5	71·16
70·1	69·9	69·9	72·7	75·1	74·4	77·0	74·5	73·2	67·9	71·4	68·7	71·66
70·3	69·6	69·0	70·9	74·6	75·8	75·8	74·3	73·2	73·0	72·5	72·3	71·97
70·8	69·4	70·5	72·2	74·0	75·8	75·8	74·7	73·9	73·7	73·3	69·6	72·52
71·9	71·3	71·9	72·5	74·7	76·3	75·4	73·1	72·0	71·5	71·6	71·4	71·75
70·6	70·2	70·1	70·5	72·7	75·0	74·1	73·5	72·1	72·2	72·3	71·6	71·80
72·3	70·4	71·6	72·8	75·0	76·1	78·6	72·8	75·8	76·5	72·7	71·5	73·22
72·9	76·6	71·5	76·8	76·8	77·2	78·2	76·9	67·6	72·7	69·2	70·8	71·67
72·6	72·1	70·8	72·3	72·0	76·6	72·1	75·3	73·7	67·5	70·1	71·8	71·30
72·5	72·4	72·9	73·3	74·5	74·8	75·1	74·0	69·6	71·5	72·7	73·8	72·62
73·2	72·3	72·1	72·0	74·3	75·5	76·2	73·5	73·3	72·2	72·5	72·7	72·92
71·8	70·5	72·2	73·5	74·2	76·1	74·8	73·3	73·0	73·0	72·9	72·3	72·89
71·0	74·4	72·7	69·7	73·3	75·3	76·1	73·5	73·0	73·8	73·3	73·7	71·92
71·9	70·3	70·5	71·3	74·4	74·7	74·1	73·8	73·2	73·0	73·0	72·8	72·81
72·0	70·5	70·5	72·0	74·6	75·4	74·9	74·2	73·4	73·4	72·6	72·0	73·09
72·1	71·6	72·1	74·1	78·2	78·1	80·0	76·8	74·4	71·1	73·3	74·8	73·72
74·9	73·4	72·1	72·5	75·6	76·3	76·0	77·0	64·5	70·5	72·3	64·8	72·85
73·5	72·8	72·5	72·3	75·7	77·1	74·0	75·3	74·5	74·1	73·5	65·7	72·61
72·5	71·6	72·5	72·0	74·4	76·2	75·4	75·0	74·3	74·3	74·0	73·9	73·47
72·7	72·2	72·3	74·1	74·5	75·7	76·5	74·9	73·6	73·5	73·4	72·4	73·62
72·8	72·2	72·3	72·8	73·3	75·3	76·8	74·6	73·9	74·0	73·8	72·8	73·28
71·7	70·7	70·6	72·1	72·3	75·8	77·5	77·5	74·6	74·1	74·0	72·2	73·37
73·9	— ^b	71·0	72·2	75·1	—	—	—	72·6	72·2	70·7	71·2	—
71·67	71·29	71·08	72·19	74·18	75·53	75·52	74·29	72·48	72·37	72·08	71·26	72·32

^b Magnet removed for experiments of vibration.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JULY.	1	69.4	69.4	71.0	71.4	71.7	71.5	70.7	69.1	71.1	71.1	73.0	
	2	69.8	73.3	74.2	—	—	—	—	—	—	—	—	
	3	—	—	—	72.0	70.7	71.8	72.3	73.0	73.5	74.2	75.1	77.4
	4	52.4	59.1	76.3	64.0	62.1	62.5	69.9	74.2	75.4	76.4	73.5	75.0
	5	73.8	72.3	72.4	72.2	72.5	73.3	73.9	74.1	74.3	73.4	73.6	73.5
	6	71.5	72.4	72.9	73.5	74.0	73.7	74.4	73.4	73.9	73.5	73.2	73.2
	7	72.0	72.0	72.1	72.0	74.4	75.2	75.8	74.7	74.5	74.1	74.0	73.0
	8	72.9	73.0	72.9	73.0	73.6	74.0	74.4	74.8	—	74.3	74.4	73.6
	9	71.8	77.8	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	72.9	73.1	74.3	74.6	73.8	75.3	76.5	75.4
	11	69.3	68.8	72.9	72.0	75.0	75.1	74.3	74.4	74.7	74.1	73.2	73.0
	12	72.1	68.7	70.7	72.3	74.2	75.2	75.1	75.5	74.1	73.4	72.7	72.7
	13	—	73.4	73.1	72.6	73.6	73.7	75.0	74.7	74.3	74.4	74.6	74.6
	14	74.0	73.5	73.1	73.3	74.1	74.9	75.2	75.1	74.7	73.2	74.5	74.3
	15	71.6	74.0	74.2	74.5	74.9	74.5	74.5	75.1	75.0	75.5	74.6	74.9
	16	73.0	72.0	71.9	—	—	—	—	—	—	—	—	—
	17	—	—	—	73.2	74.0	74.0	74.7	74.8	76.1	74.5	74.5	73.7
	18	74.7	71.0	72.4	73.6	73.7	74.3	74.9	74.7	75.0	74.8	75.5	74.5
	19	73.2	72.7	70.9	71.1	74.0	75.6	75.0	74.4	74.2	73.2	74.8	74.2
	20	67.5	71.2	72.3	73.6	75.2	75.7	75.3	74.6	74.5	73.8	74.6	74.7
	21	73.1	73.2	70.0	74.4	74.2	74.9	74.9	75.1	75.3	74.3	74.1	—
	22	73.3	73.6	72.3	69.7	71.4	74.1	76.8	75.7	75.1	75.0	74.2	74.4
	23	75.1	74.3	71.7	—	—	—	—	—	—	—	—	—
	24	—	—	—	72.4	74.7	75.8	75.7	76.0	75.4	74.2	74.4	74.0
	25	72.1	72.4	72.5	73.7	74.1	74.3	75.3	75.0	74.8	74.3	73.7	72.2
	26	71.8	72.1	73.3	74.2	73.9	74.5	74.7	74.1	75.1	74.1	74.9	73.7
	27	68.9	69.3	68.5	70.5	72.5	73.6	73.7	75.0	74.8	74.0	73.7	73.7
	28	73.0	74.2	72.0	71.8	72.6	72.7	73.5	75.4	74.7	74.7	73.9	73.3
	29	74.0	73.6	73.5	72.5	73.0	73.7	76.0	75.9	75.0	77.2	74.7	73.7
	30 ^a	72.3	72.5	72.2	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	—	74.8	74.7	74.6	73.6	75.2	75.5	78.3	74.6
Hourly Means	71.26	71.89	72.38	72.23	73.08	73.67	74.40	74.54	74.55	74.28	74.24	73.75	
AUGUST.	1	62.2	66.2	68.0	66.0	69.1	71.0	77.0	73.9	—	75.4	73.2	71.2
	2	71.4	71.2	71.5	71.5	72.5	72.7	72.8	74.4	72.6	72.4	71.4	70.6
	3	72.6	72.0	72.4	72.6	—	74.2	73.1	72.8	72.6	72.3	72.5	72.2
	4	72.0	72.0	72.0	72.5	72.2	72.7	73.1	73.3	72.9	72.6	71.9	70.9
	5	71.6	67.8	70.1	70.6	71.1	71.6	72.5	72.5	73.3	72.5	72.3	71.9
	6	69.9	70.8	65.9	—	—	—	—	—	—	—	—	—
	7	—	—	—	69.2	73.9	74.6	75.0	75.2	72.9	71.7	72.6	72.1
	8	69.5	70.5	72.4	72.5	72.2	72.4	73.5	74.3	73.1	72.4	71.9	71.6
	9	72.0	71.6	70.9	71.7	72.6	73.0	74.4	75.5	74.2	73.7	73.4	71.3
	10	73.2	73.0	72.4	72.0	73.5	73.7	73.8	74.3	74.1	73.6	74.2	75.2
	11	68.9	71.6	66.0	72.6	73.6	72.9	73.5	74.5	74.3	74.0	73.5	72.4
	12	73.5	72.6	71.1	70.4	68.7	70.6	72.8	72.2	72.4	73.9	73.8	73.5
	13	73.0	72.9	69.6	—	—	—	—	—	—	—	—	—
	14	—	—	—	72.9	70.1	—	70.4	69.3	72.2	75.8	74.7	74.4
	15	72.5	73.1	70.3	71.5	72.2	73.3	73.8	74.5	74.5	74.2	73.3	72.8
	16	73.0	73.0	71.4	72.7	73.6	74.3	74.0	74.2	—	—	74.3	72.3
	17	70.8	66.4	71.3	71.8	74.4	75.0	75.3	75.0	75.1	76.0	76.1	72.5
	18	64.6	71.9	71.6	66.4	69.1	69.5	71.6	79.0	75.4	73.2	73.0	73.5
	19	72.2	72.2	68.3	65.6	70.4	62.8	64.4	71.8	72.2	74.4	83.7	74.5
	20	75.7	74.9	74.1	—	—	—	—	—	—	—	—	—
	21	—	—	—	72.1	72.4	74.0	74.4	77.6	77.3	76.4	76.0	77.4
	22	73.6	73.5	—	72.8	73.5	73.6	74.7	76.4	—	74.5	75.0	75.7
	23	73.4	77.2	71.8	73.2	72.9	73.3	74.3	74.2	74.7	74.0	74.0	72.5
	24	74.5	63.4	67.9	69.2	—	79.0	71.4	72.1	73.5	74.3	73.1	74.0
	25	71.0	72.2	73.5	71.5	75.1	74.7	73.2	73.9	75.9	75.3	75.1	72.4
	26	73.4	73.7	73.3	73.4	—	74.5	75.0	75.6	75.2	75.4	75.1	73.1
	27	70.7	73.0	74.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	72.6	74.5	74.5	74.8	75.0	74.7	74.7	73.6
	29	74.7	74.3	74.4	74.7	73.7	74.0	74.9	74.7	74.2	73.4	73.2	73.7
	30	75.0	74.1	73.8	74.2	73.5	74.0	74.6	74.2	—	74.2	75.0	74.6
	31	74.9	74.8	74.3	74.7	74.8	74.7	75.1	74.8	74.5	74.5	74.4	72.6
Hourly Means	71.84	71.85	71.24	71.47	72.40	73.10	73.45	74.26	74.00	74.03	74.12	73.06	

^a Not included in the means.

DECLINATION.												
Zero Scale Division, 64.5.												
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. 71.2	Sc. Div. 69.9	Sc. Div. 70.1	Sc. Div. 69.3	Sc. Div. 71.3	Sc. Div. 71.3	Sc. Div. 36.1 ^a	Sc. Div. 68.8	Sc. Div. 79.1	Sc. Div. 87.5	Sc. Div. 74.2	Sc. Div. 64.0	Sc. Div. 71.76
—	—	—	—	—	—	—	—	—	—	—	—	—
71.1	76.6	75.1	80.0	72.2	78.5	74.7	93.9	—	50.9	72.9	60.5	73.20
73.6	72.5	73.7	75.8	76.4	76.8	77.9	75.9	73.6	70.5	69.0	67.0	70.98
72.0	72.4	73.2	73.7	76.1	75.7	79.2	78.2	73.8	76.0	75.0	73.3	74.08
74.0	72.8	72.6	72.4	73.9	75.4	75.4	73.4	76.4	74.1	73.0	72.6	73.57
71.6	70.4	70.0	71.3	73.6	75.9	—	75.6	73.8	73.5	73.2	73.0	73.29
71.9	70.2	71.9	74.3	77.3	76.0	81.7	79.9	79.4	78.4	76.8	74.4	74.48
—	—	—	—	—	—	—	—	—	—	—	—	—
73.7	74.4	72.1	72.7	75.3	75.8	76.5	76.8	74.7	74.8	72.1	65.0	74.06
72.4	73.0	72.8	74.5	76.1	77.6	77.0	76.5	74.1	73.4	72.8	72.3	73.72
72.6	71.9	73.8	74.2	75.7	75.7	76.4	75.3	73.8	73.8	73.4	73.0	73.60
74.6	74.0	74.0	74.4	75.6	76.1	75.8	74.8	74.4	74.3	74.9	74.8	74.42
73.0	72.0	73.1	74.8	76.2	77.8	78.1	78.2	77.4	74.4	76.5	74.3	74.82
73.5	72.0	72.3	72.8	77.0	78.6	77.9	75.8	75.3	75.0	74.8	72.7	74.63
—	—	—	—	—	—	—	—	—	—	—	—	—
72.7	72.5	—	75.4	77.8	78.5	76.8	75.2	74.5	74.0	74.8	72.8	74.41
73.6	72.1	71.9	73.1	74.5	77.9	79.0	77.5	79.0	79.4	71.5	75.8	74.74
73.3	72.0	72.2	73.8	75.7	78.7	80.1	78.0	78.2	73.0	75.2	74.2	74.07
73.0	72.4	73.8	74.9	75.9	77.1	76.0	75.4	75.1	74.1	73.8	73.4	74.08
73.8	72.6	72.4	74.5	75.2	76.6	77.4	76.8	76.0	75.0	75.0	74.4	74.49
72.6	72.9	73.8	76.2	77.6	80.1	—	80.0	82.2	79.7	77.2	75.3	75.36
—	—	—	—	—	—	—	—	—	—	—	—	—
71.3	71.0	73.1	75.7	78.6	80.7	77.5	77.0	74.9	74.8	74.8	72.6	74.82
71.6	72.8	74.3	76.6	78.7	78.4	78.8	77.1	75.9	75.3	74.8	73.7	74.68
72.3	72.9	75.5	77.5	78.7	79.0	77.9	76.0	75.0	72.5	4.8	64.0	74.27
71.5	71.1	72.2	73.8	75.8	77.0	77.2	76.2	75.3	74.7	74.5	73.1	74.20
71.2	71.1	73.6	75.4	78.0	77.4	78.0	75.6	75.0	74.7	74.2	74.0	74.17
72.2	70.9	73.4	73.9	76.9	77.4	76.9	76.3	75.5	75.1	75.0	72.8	74.55
— ^b	—	—	—	73.2	78.4	78.9	77.6	—	71.8	71.4	67.0	—
72.57	72.26	72.95	74.44	76.00	77.20	77.55	76.97	75.93	74.36	74.17	71.72	74.02
70.4	71.8	72.0	73.3	72.4	73.5	73.9	73.2	73.1	72.4	72.1	71.9	71.44
69.2	68.9	70.2	72.1	73.7	74.6	74.7	74.6	73.4	72.7	72.5	72.1	72.24
71.6	71.0	70.6	72.5	75.3	76.6	76.6	75.6	73.9	73.0	72.4	72.1	73.07
69.2	68.4	69.0	74.8	74.5	79.2	79.5	79.3	77.6	77.2	77.7	62.2	73.20
70.4	70.6	72.1	73.6	78.5	76.0	81.0	71.5	74.2	69.5	71.9	—	72.48
—	—	—	—	—	—	—	—	—	—	—	—	—
71.0	70.2	—	73.9	78.9	—	78.9	76.4	74.1	73.4	71.3	72.8	72.94
70.6	68.9	71.9	75.2	78.9	79.2	79.6	76.8	76.6	73.6	74.6	73.7	73.58
69.5	68.6	71.2	73.8	75.7	77.3	77.7	76.7	74.5	73.8	73.5	74.0	73.36
72.6	71.3	70.7	73.6	75.1	77.4	78.6	78.7	74.3	75.1	74.8	72.6	74.08
70.7	69.5	71.0	73.5	76.5	79.2	78.4	78.2	76.0	75.0	67.8	70.3	73.08
71.4	71.0	71.6	73.1	74.3	76.0	77.3	75.0	74.2	73.8	73.5	73.4	72.92
—	—	—	—	—	—	—	—	—	—	—	—	—
74.5	73.5	72.4	73.8	75.6	76.9	76.1	75.9	74.9	74.4	73.7	73.9	73.08
71.0	71.3	71.3	73.1	76.1	76.6	76.6	75.9	72.7	74.2	73.4	73.2	73.40
71.2	70.7	71.5	74.1	77.3	78.8	78.0	77.3	74.7	72.2	74.1	73.0	73.90
71.5	70.5	71.8	74.8	77.3	81.2	83.0	84.5	77.8	76.8	75.4	74.1	74.93
71.1	70.4	72.4	75.5	77.9	78.8	80.4	79.2	72.2	76.9	75.9	72.0	73.40
72.5	70.8	71.5	75.6	77.0	77.5	77.4	77.4	76.1	74.9	75.2	75.5	73.08
—	—	—	—	—	—	—	—	—	—	—	—	—
75.1	71.5	71.2	73.7	75.4	77.3	77.6	77.3	76.7	75.1	72.7	75.0	75.04
73.2	69.2	69.2	72.6	74.7	76.7	78.3	77.8	75.9	75.3	70.2	72.9	74.06
70.8	69.2	68.5	70.6	73.2	75.5	77.3	77.6	76.4	74.9	75.0	74.7	73.72
72.7	72.9	74.1	74.4	76.0	77.4	77.0	76.6	73.7	74.2	74.2	74.0	73.45
71.5	70.4	70.8	71.7	74.0	75.6	77.3	76.7	72.9	75.5	74.7	72.3	73.63
71.9	71.3	70.6	72.2	74.4	77.0	77.1	75.9	75.2	74.8	72.8	74.2	74.13
—	—	—	—	—	—	—	—	—	—	—	—	—
71.7	70.0	71.3	73.0	75.6	77.9	78.2	77.1	76.1	75.1	75.0	75.0	74.26
71.9	69.8	70.8	73.4	76.5	77.9	77.4	77.2	76.3	75.9	75.5	75.2	74.49
72.1	71.1	72.9	74.6	—	79.0	78.4	77.4	76.5	73.7	75.2	75.1	74.70
71.3	70.6	71.9	74.1	76.6	— ^b	—	73.7	72.1	71.7	71.5	71.6	73.60
71.50	70.50	71.25	73.58	75.82	77.32	77.93	76.80	74.89	74.26	73.58	72.95	73.54

^b Magnet removed for experiments of vibration.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
SEPTEMBER.	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	71.1	70.9	70.8	70.4	—	—	—	—	70.3	70.5	70.2	69.0
	2	69.0	71.3	70.0	68.0	66.2	66.9	69.7	70.5	76.9	70.7	68.5	69.7
	3	69.6	69.6	72.7	—	—	—	—	—	—	—	—	—
	4	—	—	—	70.1	70.3	70.0	70.7	72.2	72.3	71.1	71.1	69.5
	5	71.6	70.2	70.9	71.0	70.7	71.4	70.1	76.9	69.8	71.1	70.2	68.7
	6	69.0	69.9	70.0	67.7	—	72.3	72.2	72.6	72.2	71.8	71.1	70.0
	7	72.6	72.1	72.0	71.8	71.6	72.4	71.8	72.4	72.8	72.3	71.6	69.1
	8	71.8	65.0	68.9	71.9	71.7	72.2	72.0	71.2	71.4	71.0	70.9	70.0
	9	70.9	71.6	70.8	70.1	71.6	71.6	69.2	72.7	71.3	72.4	72.4	70.3
	10	72.7	72.5	72.7	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	69.5	71.5	73.3	72.4	75.7	73.8	73.2	71.6
	12	73.1	71.6	68.8	73.3	—	73.9	74.8	76.3	73.4	72.6	75.3	76.7
	13	74.2	66.0	64.4	70.5	71.2	73.2	73.6	74.9	74.0	72.6	71.7	77.0
	14	72.7	73.0	69.2	70.9	72.4	73.5	74.0	74.1	75.6	73.8	71.9	70.0
	15	73.3	73.3	74.5	72.1	72.0	73.3	73.0	72.3	—	73.7	71.0	71.3
	16	74.6	73.3	65.2	71.7	70.4	71.8	73.0	71.8	71.5	71.5	71.3	70.6
	17	73.7	73.5	72.2	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	75.0	75.1	75.2	74.8	74.4	74.6	72.5	71.5
	19	74.8	74.6	74.5	74.0	73.5	75.4	74.5	75.7	73.6	76.9	75.2	72.3
	20	73.5	70.9	74.1	75.1	69.0	74.3	76.8	77.3	—	83.3	77.6	72.2
	21	65.0	72.0	70.7	77.7	77.8	79.1	76.9	78.2	79.3	77.1	77.3	76.3
	22	72.0	71.5	74.7	74.5	74.6	75.8	76.9	82.6	78.5	77.0	76.4	72.1
	23	70.3	74.8	75.5	74.6	77.0	76.5	78.8	77.0	79.3	76.8	75.3	73.5
	24	75.3	73.9	74.1	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	76.4	76.5	76.9	76.7	76.9	75.5	73.8	71.4
	26	76.3	76.2	76.0	75.9	76.1	76.0	76.2	76.0	75.7	74.6	72.9	71.2
	27	76.2	75.5	75.2	75.2	74.6	75.4	77.3	76.7	76.4	75.3	73.5	71.6
	28	75.0	74.8	74.2	74.4	75.3	75.5	75.4	75.1	76.4	75.5	71.8	70.6
	29	67.5	71.5	69.7	70.0	71.3	69.8	71.1	75.4	—	75.2	71.8	71.0
30	73.0	72.5	72.2	73.2	72.9	73.8	78.0	74.5	73.8	73.1	71.1	71.0	
Hourly Means	72.26	72.00	71.69	72.35	72.66	73.49	74.06	74.81	74.41	73.99	72.64	71.47	
OCTOBER.	1	70.5	71.1	71.4	—	—	—	—	—	—	—	—	
	2	—	—	—	72.1	71.7	71.0	70.0	70.9	70.9	71.9	69.2	67.4
	3	70.6	70.9	70.0	67.8	69.3	71.3	71.4	71.5	70.6	70.2	67.2	64.7
	4	70.8	—	69.7	69.5	70.0	71.3	72.2	72.2	72.2	70.5	68.7	66.7
	5	73.3	73.4	73.0	72.4	71.0	71.6	71.7	73.7	70.7	71.6	70.8	67.7
	6	72.4	72.6	72.2	71.0	72.2	—	73.6	74.4	71.7	71.3	69.5	66.9
	7	73.8	73.0	71.4	68.8	72.3	74.7	75.1	74.9	64.4	72.5	68.6	65.9
	8	68.8	70.5	71.3	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	73.9	73.7	72.4	72.5	71.7	70.1	68.1	67.7
	10	73.8	73.3	72.9	72.2	72.2	72.3	72.5	72.7	—	—	70.2	69.0
	11	73.4	73.5	72.7	71.9	72.7	73.3	72.1	73.7	72.9	71.0	68.5	65.5
	12	73.8	71.6	71.8	73.8	74.0	73.9	73.5	73.8	73.9	73.1	71.6	69.6
	13	74.8	66.1	67.9	69.9	71.5	66.5	72.8	70.5	—	73.7	69.6	68.5
	14	76.1	75.1	74.5	69.2	61.4	63.0	73.6	75.1	—	72.0	68.8	62.8
	15	73.2	73.0	73.0	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	70.4	72.9	74.4	75.9	73.4	72.5	74.5	72.0
	17	73.7	71.8	74.0	71.9	75.9	78.7	78.2	78.0	79.9	79.1	74.2	70.1
	18	75.2	75.5	75.5	73.0	73.1	78.0	79.3	77.7	75.0	74.6	74.6	72.0
	19	73.9	67.2	70.3	72.2	74.8	76.5	79.0	79.9	75.8	73.3	72.1	67.8
	20	72.0	67.6	73.0	75.3	76.0	76.8	76.9	76.0	74.7	73.9	70.4	—
	21	74.4	72.7	75.0	75.2	75.8	76.4	76.3	76.2	75.2	76.9	71.8	—
	22	72.6	72.6	74.2	—	—	—	—	—	—	—	—	—
	23	—	—	—	75.7	75.5	73.8	81.5	72.6	71.3	69.0	66.6	69.7
	24	71.9	71.9	73.8	75.7	—	76.2	75.8	74.8	73.7	72.2	70.8	68.5
	25	76.5	75.3	75.0	74.3	73.6	76.0	74.6	73.8	75.3	73.6	71.7	71.2
	26	75.0	73.3	74.1	74.1	75.4	75.6	76.1	76.3	77.2	76.8	76.6	72.3
	27	73.4	73.2	71.1	60.8	65.2	72.3	73.2	73.8	75.8	73.4	71.4	70.5
	28	75.0	74.5	73.5	70.4	72.4	78.0	75.4	74.9	75.4	75.7	72.5	70.7
	29	76.4	70.1	72.3	—	—	—	—	—	—	—	—	—
	30	—	—	—	73.9	76.1	75.5	75.0	75.6	73.7	74.0	71.8	69.2
	31	74.6	75.8	76.7	76.3	76.6	78.5	75.9	76.3	74.8	73.0	71.3	70.0
Hourly Means	73.46	72.22	72.70	71.97	72.52	73.91	74.71	74.53	73.49	73.04	70.81	68.60	

Omitted in the daily means.

DECLINATION.												
Zero Scale Division 64.5.												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
66.9	66.7	66.5	71.1	74.5	77.4	78.9	78.0	76.4	77.7	76.2	70.5	—
68.8	66.6	70.1	72.3	73.5	—	76.9	77.5	75.5	69.2	73.7	71.0	70.98
—	—	—	—	—	—	—	—	—	—	—	—	—
69.6	70.2	71.3	73.3	75.8	77.6	78.7	78.8	72.8	73.9	74.0	73.3	72.40
71.2	69.1	71.0	73.8	76.7	77.3	78.4	77.2	75.9	69.9	73.0	67.9	72.25
69.6	70.0	72.2	74.8	76.8	76.7	75.5	75.5	74.3	73.5	73.5	73.0	72.36
67.4	68.7	70.7	72.9	—	77.4	78.3	77.0	75.6	74.6	74.1	73.0	72.70
69.1	69.9	71.7	73.9	76.0	76.8	76.9	75.7	74.8	73.8	74.1	72.1	72.20
69.8	71.2	73.5	74.7	74.8	76.7	78.1	78.7	77.8	77.3	76.5	71.7	73.15
—	—	—	—	—	—	—	—	—	—	—	—	—
69.7	72.0	73.4	77.3	77.3	81.6	78.7	79.2	78.1	75.9	70.5	72.7	74.14
74.7	73.8	75.6	77.9	81.6	84.7	78.7	78.2	76.9	75.5	76.1	67.2	75.25
72.0	71.4	73.0	74.2	78.6	82.5	80.5	79.1	77.1	76.4	73.5	71.4	73.87
68.7	68.0	71.0	74.9	78.3	79.9	81.0	79.0	76.9	76.4	75.8	71.0	73.83
70.2	73.0	74.1	76.8	79.2	80.8	81.5	80.4	78.5	76.7	79.0	77.2	75.10
69.9	71.4	73.7	77.2	80.3	84.1	86.0	84.4	82.2	78.3	77.3	75.0	74.85
—	—	—	—	—	—	—	—	—	—	—	—	—
71.8	71.4	74.0	77.3	79.9	81.5	80.2	78.9	78.4	76.5	75.0	75.1	75.33
70.1	70.7	76.4	79.2	81.8	82.8	82.6	80.0	78.1	77.0	73.9	73.7	75.89
72.4	74.0	74.3	76.5	79.9	81.9	81.9	80.4	75.7	78.3	72.7	66.1	75.57
74.5	73.9	75.6	76.1	79.0	82.0	82.5	80.7	78.2	75.8	72.1	70.3	76.17
72.1	73.1	74.8	77.3	79.5	82.2	82.8	81.2	77.5	69.8	74.4	73.3	76.02
72.2	73.8	75.9	76.7	78.7	79.4	81.4	79.1	78.7	77.3	66.7	75.5	76.03
—	—	—	—	—	—	—	—	—	—	—	—	—
70.3	71.7	74.9	78.9	81.3	81.8	81.1	79.1	77.8	77.2	77.0	76.6	76.31
69.8	71.1	74.2	77.7	79.9	80.3	80.1	78.6	77.9	77.0	76.8	76.5	75.96
71.0	71.0	72.8	76.3	80.3	83.9	84.0	82.1	79.0	77.7	76.9	76.6	76.44
68.7	69.6	72.4	75.9	80.8	85.0	87.0	84.0	80.1	79.5	—	62.8	75.64
70.8	72.2	74.6	78.1	80.9	82.4	84.0	82.8	75.7	76.2	76.0	76.1	74.53
70.2	72.7	76.1	80.6	82.4	— ^b	—	—	74.6	72.5	70.0	69.7	73.71
70.44	71.05	73.22	75.99	78.71	80.70	80.63	79.42	77.10	75.53	74.35	72.28	74.36
—	—	—	—	—	—	—	—	—	—	—	—	—
67.7	68.0	71.7	75.5	77.2	76.5	76.5	76.0	75.0	74.8	73.4	71.3	72.15
65.0	67.3	71.5	75.9	78.2	78.5	78.0	76.0	75.2	74.0	73.5	70.7	71.64
65.3	67.6	72.2	77.2	81.9	80.6	78.0	75.9	74.3	73.7	73.7	72.7	72.47
67.8	70.1	75.9	81.2	82.8	82.5	81.1	77.9	76.5	75.7	74.7	77.3	74.35
67.2	70.2	74.1	78.2	81.4	83.2	80.6	78.5	76.6	74.6	74.1	73.5	73.91
64.2	66.8	73.1	78.4	81.1	81.6	80.9	79.3	78.8	78.0	68.6	73.5	73.32
—	—	—	—	—	—	—	—	—	—	—	—	—
73.3	70.6	73.7	77.2	80.1	80.4	78.5	76.6	75.5	74.5	74.3	73.6	73.43
69.0	70.6	74.2	78.6	81.2	82.6	81.5	79.8	76.6	75.1	74.7	74.0	74.50
65.6	68.0	71.5	77.0	80.3	82.2	81.1	78.6	76.4	74.5	74.5	74.5	73.56
67.9	68.8	72.2	79.0	83.4	85.0	82.8	81.4	79.2	78.4	77.7	76.7	75.29
66.4	70.9	76.2	80.7	85.7	86.2	83.9	80.6	78.9	77.7	77.0	76.3	74.45
—	—	72.9	76.7	78.7	84.7	79.6	78.9	78.1	77.1	76.4	76.5	73.87
—	—	—	—	—	—	—	—	—	—	—	—	—
68.8	69.4	73.4	78.7	81.7	84.0	82.6	80.8	77.6	76.7	75.7	67.1	74.86
70.0	72.0	77.1	80.6	82.7	83.1	81.7	79.8	76.0	75.7	68.7	69.5	75.93
72.6	75.8	78.6	82.7	85.5	87.2	84.7	81.7	78.7	75.8	75.7	74.0	77.35
67.7	71.6	74.9	78.3	81.2	83.6	82.8	79.9	77.6	76.4	76.0	70.3	75.15
69.8	72.3	77.0	79.9	83.7	84.7	83.9	80.5	78.2	76.9	75.5	75.0	76.09
68.5	69.5	73.4	76.8	82.5	83.4	81.9	80.0	77.2	76.5	75.6	74.4	75.90
—	—	—	—	—	—	—	—	—	—	—	—	—
69.2	70.1	77.8	81.1	86.1	86.8	85.0	83.2	79.2	76.3	72.6	74.9	75.72
69.3	70.7	74.3	78.9	83.0	83.9	83.2	80.8	79.6	78.0	77.4	76.5	75.69
72.1	73.2	78.1	81.1	85.3	—	84.5	82.3	79.5	78.3	78.3	77.2	76.56
70.0	72.0	74.1	77.6	82.0	84.8	84.6	83.8	81.0	79.0	79.3	72.6	76.82
69.9	73.4	76.2	80.6	81.9	81.8	81.7	80.6	79.0	77.5	76.9	76.1	74.57
69.7	69.6	74.6	77.4	80.4	81.6	80.8	80.7	79.0	77.6	77.0	76.5	75.55
—	—	—	—	—	—	—	—	—	—	—	—	—
70.6	75.2	78.5	81.4	83.8	83.8	83.1	81.5	79.7	74.6	76.9	77.2	76.25
— ^b	—	—	86.0	87.3	87.5	87.7	83.8	82.4	81.4	81.3	80.0	78.91
68.65	70.57	74.69	79.10	82.27	82.21	81.95	79.96	77.92	76.49	75.37	74.30	74.92

^b Magnet removed for experiments of vibration.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
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 .	
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	79.4	80.0	79.6	79.4	79.4	79.7	79.7	79.7	78.3	77.4	75.0	75.0
	2	80.8	78.8	76.7	79.1	75.6	78.8	79.7	79.8	77.7	75.4	79.4	76.5
	3	78.0	79.5	78.2	77.6	74.5	77.3	77.5	79.7	—	76.1	75.9	75.2
	4	81.6	80.4	80.7	80.4	81.2	81.5	81.7	81.3	80.5	77.2	74.1	73.0
	5	80.0	79.5	80.2	—	—	—	—	—	—	—	—	—
	6	—	—	—	80.9	81.2	81.0	81.2	80.7	80.9	79.8	77.2	75.4
	7	80.7	81.4	80.7	79.0	79.6	80.4	81.2	80.3	—	79.8	77.1	74.4
	8	82.0	81.4	81.0	79.9	80.8	79.9	79.8	80.2	81.1	80.6	77.2	74.1
	9	82.2	81.2	79.0	79.1	79.8	78.8	79.4	79.6	—	79.3	75.8	73.0
	10	86.1	58.7	68.0	77.7	80.6	79.7	75.1	79.8	77.3	78.8	75.7	77.5
	11	81.0	74.1	76.6	77.6	78.0	80.8	81.6	81.8	80.6	79.7	77.3	74.8
	12	81.8	81.6	78.3	—	—	—	—	—	—	—	—	—
	13	—	—	—	77.5	80.0	81.0	82.0	76.7	—	78.4	77.0	75.0
	14	82.1	82.1	81.6	81.7	81.9	82.2	81.7	81.4	81.2	80.7	79.0	77.4
	15	79.6	79.4	79.0	79.1	79.5	79.2	79.5	79.5	78.2	76.0	72.2	70.9
	16	78.0	76.2	75.5	75.5	79.2	79.8	80.4	81.1	80.7	77.6	73.3	70.3
	17	79.1	80.8	81.5	81.9	81.4	81.5	82.9	81.2	—	76.5	74.1	72.4
	18 ^a	78.7	—	80.4	79.9	81.6	81.4	81.1	81.1	—	—	—	72.2
	19	79.9	80.0	79.4	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	79.8	79.7	79.5	78.5	80.4	78.0	72.5	70.0
	21	74.2	77.9	80.2	74.6	79.6	80.2	80.0	78.3	78.2	74.6	76.1	78.5
	22	79.7	80.1	74.0	72.4	73.0	78.0	78.9	76.5	75.9	73.6	71.7	71.3
	23	77.9	79.5	79.5	79.0	80.2	80.0	79.8	78.5	—	76.5	74.6	72.9
	24	79.1	77.1	78.2	78.4	83.3	79.6	77.1	79.6	77.5	76.2	74.5	74.6
	25	80.9	79.2	79.8	79.3	81.2	80.6	81.3	81.3	79.3	77.4	75.5	74.8
	26	81.0	81.0	80.3	—	—	—	—	—	—	—	—	—
	27	—	—	—	80.8	80.4	80.5	80.1	79.7	78.5	76.0	74.3	74.3
	28	81.3	81.2	79.9	80.2	81.0	80.4	79.6	78.6	77.8	74.9	72.9	73.3
	29	81.6	68.7	77.2	80.4	80.6	80.0	79.4	78.8	77.4	74.8	73.1	72.8
30	81.0	77.5	75.6	78.3	77.3	78.7	77.5	76.8	75.4	72.6	— ^b	— ^b	
Hourly Means	80.30	78.29	78.50	78.79	79.64	80.03	79.91	79.63	78.78	77.12	75.23	73.98	
DECEMBER.	1	78.6	78.5	76.7	78.2	78.6	79.8	79.0	79.1	76.5	72.6	71.1	72.2
	2	81.5	81.6	80.7	79.9	79.7	78.9	78.3	77.7	76.1	74.0	73.3	73.5
	3	79.9	80.1	79.6	—	—	—	81.0	80.3	—	—	—	—
	4	—	—	—	80.9	80.6	81.7	—	—	79.4	76.9	74.4	71.3
	5	79.9	79.8	79.3	78.2	79.3	79.4	78.3	78.4	79.3	74.5	71.4	70.3
	6	77.5	76.6	77.4	77.6	79.6	78.3	78.9	76.9	75.6	74.5	72.8	69.8
	7	82.3	80.7	78.6	74.4	75.6	76.2	75.7	77.7	80.1	79.5	78.0	76.6
	8	78.8	78.6	75.4	74.6	77.7	82.5	79.4	79.0	82.0	76.1	75.2	72.1
	9	80.7	76.0	76.7	76.2	75.6	76.0	81.9	89.3	87.9	81.2	78.7	81.6
	10	78.5	79.0	78.8	—	—	—	—	—	—	—	—	—
	11	—	—	—	79.0	78.3	77.6	—	77.6	78.1	77.2	75.4	74.3
	12	81.8	80.8	79.0	80.0	79.3	79.6	79.4	79.6	78.3	77.7	75.3	73.1
	13	81.6	81.0	80.8	79.3	79.9	79.3	79.4	77.3	—	78.5	75.3	71.4
	14	81.3	81.1	80.3	79.2	80.0	80.2	79.2	78.1	77.5	77.0	74.8	— ^b
	15	79.9	79.2	79.0	78.9	77.8	78.1	78.1	77.6	77.3	76.5	74.7	72.9
	16	79.9	79.7	79.5	79.5	79.5	79.2	78.8	79.4	77.9	76.3	73.5	72.2
	17	80.2	80.2	79.9	—	—	—	—	—	—	—	—	—
	18	—	—	—	78.1	76.9	75.6	76.2	75.8	74.9	74.3	71.6	72.5
	19	77.1	80.6	80.0	78.8	79.0	80.1	78.6	79.7	75.9	74.7	73.2	73.8
	20	82.0	81.1	78.0	77.7	80.3	79.0	77.6	—	78.4	77.2	74.1	72.0
	21	82.0	80.5	79.6	80.3	81.3	81.3	81.4	80.7	78.0	77.5	74.8	73.1
	22	80.9	80.1	79.2	79.0	78.7	78.3	78.1	77.7	77.3	76.1	74.2	72.2
	23	81.3	81.3	79.3	78.7	79.4	—	80.1	80.4	79.8	80.8	76.7	73.9
	24	80.4	80.2	80.2	—	—	—	—	—	—	—	—	—
	25	—	—	—	77.8	78.5	81.9	83.0	83.0	81.2	—	78.6	77.8
	26	86.9	86.5	86.0	85.3	85.6	85.5	84.0	83.9	—	80.4	79.2	80.1
	27	85.9	85.4	86.0	85.2	85.4	84.0	83.7	85.2	82.8	81.7	79.7	80.7
	28	87.4	86.7	86.9	85.6	86.9	83.7	85.9	87.4	83.3	80.0	79.6	78.5
	29	86.1	86.9	86.8	86.9	86.7	86.4	85.7	83.9	82.6	80.5	79.3	78.2
	30	86.7	80.8	87.6	—	—	91.6	86.5	83.8	82.2	81.2	78.4	77.0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	81.50	80.88	80.43	79.57	80.01	80.57	80.33	80.38	79.27	77.48	75.51	74.44	

^a Omitted in the means.

DECLINATION.
Zero Scale Division, 64.5.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
74.4	77.8	82.6	87.6	89.4	88.6	87.5	85.1	85.7	82.4	82.4	81.3	81.14
77.5	78.6	81.3	85.6	89.9	91.0	89.2	88.2	86.7	84.1	82.9	81.4	81.45
74.4	77.8	80.3	83.8	85.8	87.8	86.0	84.6	84.0	82.1	81.7	81.8	79.98
74.0	76.8	81.6	86.1	90.5	91.4	89.2	87.6	83.7	83.1	82.5	79.6	81.65
—	—	—	—	—	—	—	—	—	—	—	—	—
74.3	78.0	82.8	87.6	89.3	88.0	86.0	84.7	83.8	82.4	82.0	81.9	81.62
73.7	75.3	79.2	83.0	86.7	88.2	87.0	85.6	84.4	82.6	81.6	81.1	81.00
73.8	76.3	79.7	84.3	87.3	89.3	89.2	88.4	87.7	84.8	84.0	83.2	81.92
72.3	76.2	81.2	83.9	90.7	95.8	92.9	90.4	89.4	85.8	83.3	83.9	82.30
74.7	77.5	80.7	84.9	88.2	90.5	90.6	88.7	88.0	84.6	79.2	81.7	80.18
73.0	74.2	80.3	84.9	88.1	90.3	88.7	85.7	81.8	81.9	81.7	82.0	80.69
—	—	—	—	—	—	—	—	—	—	—	—	—
74.9	77.0	80.9	86.0	—	90.5	88.4	87.3	85.0	81.1	82.6	82.5	81.16
75.4	—	—	78.3	81.9	82.3	80.7	80.0	79.4	78.2	78.4	79.2	80.31
69.6	72.2	77.9	83.0	86.8	86.9	85.0	83.0	80.8	79.5	79.0	79.2	78.96
70.9	75.3	79.0	83.0	87.0	87.5	84.8	83.0	81.8	79.0	79.7	79.5	79.09
73.4	76.4	81.0	86.4	89.1	88.8	86.0	81.6	79.6	78.2	79.6	80.0	80.58
73.1	76.8	81.8	86.4	91.5	93.0	91.6	87.6	84.2	81.3	80.0	80.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
69.5	74.1	76.8	83.3	88.6	93.1	93.7	93.9	86.8	84.1	81.4	76.7	80.86
72.8	76.6	81.4	87.3	95.0	100.0	99.7	93.6	95.2	87.6	86.0	82.1	82.90
72.6	76.1	81.4	85.8	88.8	95.4	92.7	91.3	88.4	86.7	83.8	74.1	80.09
72.3	75.9	80.3	84.3	88.5	89.9	88.5	86.8	84.7	82.1	80.7	79.3	80.51
72.7	74.9	78.1	83.5	88.4	89.6	89.4	88.0	85.0	83.1	81.6	80.3	80.41
76.1	79.6	84.6	88.7	89.9	88.6	86.6	85.9	84.6	83.2	78.9	79.5	81.53
—	—	—	—	—	—	—	—	—	—	—	—	—
76.3	81.8	87.0	89.0	89.5	87.3	85.7	83.1	82.0	81.5	81.9	79.9	81.33
73.4	77.0	82.9	87.2	89.4	90.1	89.1	88.2	87.2	84.2	81.6	82.6	81.42
74.7	80.5	87.5	92.0	89.8	89.5	86.4	84.1	83.6	82.2	82.0	81.2	80.76
76.7	79.2	84.1	87.1	88.3	88.0	85.6	83.0	81.3	80.4	80.9	80.8	80.28
73.71	76.88	81.38	85.50	88.74	90.05	88.47	86.52	84.80	82.55	81.52	80.57	80.93
76.2	80.0	84.3	88.6	90.2	89.7	88.4	84.9	83.2	81.2	81.5	82.1	80.47
72.8	74.6	78.6	84.2	87.6	88.6	87.7	87.1	84.5	82.1	80.9	80.2	80.17
—	—	—	—	—	—	—	—	—	—	—	—	—
71.5	74.3	79.6	84.8	88.5	91.3	92.7	90.1	86.4	83.6	80.8	80.6	81.26
69.7	73.2	77.5	83.0	87.2	90.1	91.3	89.2	87.1	83.5	81.4	80.9	80.09
70.3	75.0	77.4	80.9	83.9	85.0	87.1	88.0	86.0	84.9	83.7	83.0	79.20
76.1	78.5	81.5	85.6	90.0	90.1	89.1	87.6	85.0	81.5	82.5	82.0	81.04
70.9	71.6	76.2	82.5	86.9	89.6	89.5	88.4	86.8	85.2	82.8	82.3	80.17
76.8	76.8	79.0	83.2	86.1	87.1	87.7	85.0	83.7	82.2	80.9	79.7	81.25
—	—	—	—	—	—	—	—	—	—	—	—	—
73.6	76.1	78.5	81.1	83.7	85.7	84.4	83.6	83.1	82.4	81.7	81.5	79.53
72.3	74.3	77.1	81.2	84.0	87.7	88.5	88.0	85.2	84.0	82.5	81.3	80.42
71.5	76.4	79.9	84.1	85.7	86.6	86.6	86.3	86.1	83.2	82.4	79.2	80.51
—	72.1	74.9	78.0	80.9	82.7	85.1	85.0	83.4	81.8	79.9	79.7	79.65
72.8	73.1	77.5	80.6	81.7	82.0	82.4	82.2	81.5	80.7	79.6	79.2	78.47
72.3	75.0	78.3	81.4	82.7	84.1	85.1	84.0	81.7	80.7	80.0	80.3	79.21
—	—	—	—	—	—	—	—	—	—	—	—	—
74.8	76.8	81.2	85.5	87.2	86.9	85.5	85.0	84.2	82.9	81.3	—	79.46
73.6	76.0	79.6	82.6	84.3	83.1	85.7	86.7	85.7	84.1	79.8	80.4	79.71
72.6	73.4	77.3	82.6	86.8	87.5	87.5	87.2	86.0	84.1	82.3	82.5	80.31
73.0	75.3	77.4	82.7	86.8	88.3	87.5	87.5	87.1	84.1	83.2	82.0	81.06
71.8	72.3	79.5	83.4	85.0	87.1	86.5	86.1	85.0	84.0	82.5	81.8	79.87
73.2	74.0	77.6	84.3	87.8	88.3	85.2	84.3	83.1	82.0	81.0	81.0	80.59
—	—	—	—	—	—	—	—	—	—	—	—	—
77.5	79.2	83.6	86.9	89.5	91.1	91.1	90.6	89.8	88.6	87.5	86.5	83.61
81.3	83.5	87.0	90.8	93.9	94.0	90.8	89.2	87.0	86.9	86.4	87.0	86.14
79.8	81.4	83.8	90.1	90.8	93.5	92.2	90.3	88.4	86.4	87.4	87.5	85.80
79.1	80.9	85.3	88.8	91.9	92.5	90.5	88.4	85.9	85.9	86.6	86.9	85.52
81.4	82.0	85.5	89.6	92.8	92.5	92.6	91.8	87.3	81.4	84.3	86.1	85.72
78.9	84.9	90.9	96.0	96.3	94.7	92.2	90.9	89.6	87.8	87.5	86.9	86.93
—	—	—	—	—	—	—	—	—	—	—	—	—
74.55	76.57	80.35	84.71	87.39	88.45	88.19	87.21	85.49	83.66	82.71	82.42	81.38

^b Magnet removed for experiments of vibration.

HORIZONTAL FORCE.													
One Scale Division = .000303 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 .	
	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	50.5	55.7	49.0	—	—	—	—	—	—	—	—	
	2	—	—	—	54.9	53.4	53.1	52.8	52.7	53.2	—	53.2	
	3	47.4	46.9	46.4	48.0	48.8	49.3	50.8	53.2	52.3	52.5	51.9	
	4	57.8	56.7	56.6	55.7	56.6	57.4	59.1	59.6	59.7	59.5	60.2	
	5	62.8	58.8	57.9	59.0	59.1	59.9	60.5	60.3	60.0	59.9	57.2	
	6	—	55.2	55.9	55.1	55.7	57.5	57.7	58.3	56.6	56.7	56.6	
	7	52.7	53.9	52.7	52.1	51.9	54.3	57.3	55.6	55.3	54.2	53.7	
	8	52.9	53.9	52.7	—	—	—	—	—	—	—	—	—
	9	—	—	—	58.0	59.3	59.3	59.1	58.5	58.5	58.3	57.2	57.5
	10	55.6	55.7	56.3	56.2	56.7	56.6	59.1	59.0	59.2	59.4	58.4	57.2
	11	54.6	54.3	54.5	54.1	55.4	56.0	58.6	56.8	57.8	56.2	55.9	56.2
	12	52.1	52.3	52.5	52.2	53.3	—	53.8	54.4	54.1	54.2	54.2	52.1
	13	49.2	50.0	50.3	—	52.9	54.8	53.0	54.0	54.5	55.2	55.9	55.3
	14	55.0	54.7	55.8	55.6	56.2	56.5	57.2	57.5	58.2	58.6	59.2	59.6
	15	60.3	60.4	61.4	—	—	—	—	—	—	—	—	—
	16	—	—	—	59.9	58.8	58.0	58.1	58.5	58.4	58.4	58.2	56.8
	17	54.7	54.4	55.3	55.5	56.2	57.2	57.2	57.4	57.6	58.8	58.7	57.1
	18	57.4	56.4	54.9	54.8	56.9	56.2	55.5	55.8	—	56.0	55.2	53.7
	19	52.5	50.3	52.7	53.9	54.1	53.1	54.5	54.7	54.5	54.1	54.6	52.6
	20	49.8	52.1	50.0	51.0	51.6	52.0	52.6	52.5	53.4	53.5	53.5	—
	21	52.5	52.1	52.0	52.8	52.6	55.8	55.3	56.2	56.6	57.8	56.3	54.4
	22	55.0	55.2	55.9	—	—	—	—	—	—	—	—	—
	23	—	—	—	52.6	53.0	53.5	54.2	54.7	55.4	55.9	56.1	56.9
	24	48.1	49.0	49.2	49.4	—	51.4	51.4	52.3	53.6	52.3	50.8	52.7
	25	51.2	51.7	51.2	51.1	—	51.3	52.2	53.0	52.2	53.0	53.1	52.4
	26	51.6	52.0	52.0	52.3	52.5	52.8	53.8	54.2	54.6	54.1	52.6	51.4
	27	59.2	59.5	60.3	59.1	59.0	59.7	60.1	—	60.1	59.0	58.2	57.9
	28	60.2	60.4	60.0	60.2	61.3	61.2	61.6	—	59.7	58.5	57.4	54.7
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	54.05	54.27	53.98	54.50	55.24	55.52	56.06	55.87	56.33	56.35	55.76	55.10	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	68.2	..	67.8	..	..	..	..	..	..	..	..
	2	—	..	—	..	66.0	..	65.0	..	64.0	..	64.0	
	3	79.0	..	76.0	..	73.5	..	70.5	..	67.5	..	66.2	
	4	64.2	..	62.2	..	60.2	..	58.6	..	57.0	..	57.0	
	5	60.0	..	59.2	..	57.5	..	57.0	..	55.5	..	55.0	
	6	—	..	64.0	..	61.5	..	60.5	..	59.0	..	59.0	
	7	69.2	..	67.0	..	65.2	..	64.0	..	62.0	..	63.0	
	8	69.2	..	68.0	..	—	..	—	..	—	..	—	
	9	—	..	—	..	59.8	..	58.6	..	58.0	..	57.2	
	10	64.8	..	63.8	..	62.0	..	60.5	..	59.6	..	60.0	
	11	69.0	..	66.0	..	63.6	..	62.0	..	60.0	..	59.0	
	12	71.0	..	69.0	..	67.5	..	66.5	..	66.0	..	66.0	
	13	74.2	..	71.2	..	69.0	..	67.5	..	65.0	..	65.0	
	14	66.8	..	64.5	..	63.0	..	62.0	..	60.5	..	60.0	
	15	57.4	..	57.0	..	—	..	—	..	—	..	—	
	16	—	..	—	..	59.2	..	59.2	..	59.0	..	59.5	
	17	67.0	..	64.0	..	62.0	..	61.0	..	58.0	..	57.2	
	18	66.2	..	65.0	..	64.2	..	63.0	..	—	..	62.0	
	19	71.2	..	69.0	..	67.0	..	65.0	..	64.0	..	63.8	
	20	75.0	..	73.0	..	72.0	..	70.4	..	68.0	..	66.0	
	21	70.0	..	67.0	..	66.0	..	62.5	..	61.0	..	58.5	
	22	67.5	..	65.5	..	—	..	—	..	—	..	—	
	23	—	..	—	..	67.0	..	67.0	..	65.2	..	64.8	
	24	80.0	..	76.0	..	—	..	71.5	..	69.5	..	68.2	
	25	72.2	..	70.5	..	—	..	68.0	..	66.0	..	65.0	
	26	72.2	..	70.6	..	69.0	..	67.0	..	67.5	..	65.0	
	27	60.2	..	59.5	..	59.5	..	58.0	..	58.2	..	57.5	
	28	60.0	..	59.0	..	59.0	..	58.0	..	57.0	..	58.0	
	29	—	..	—	..	—	..	—	..	—	..	—	
	30	—	..	—	..	—	..	—	..	—	..	—	
	31	—	..	—	..	—	..	—	..	—	..	—	
Hourly Means	68.46	..	66.45	..	64.26	..	63.47	..	62.07	..	61.54	..	

* Instrument re-adjusted.

HORIZONTAL FORCE.

One Scale Division = .000303 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
49.9	48.0	46.7	45.5	46.4	47.2	47.7	46.7	45.5	45.6	45.4	46.7	49.65
49.1	48.1	48.8	49.5	50.2	51.3	53.8	56.0	56.5	56.6	57.0	57.2	51.38
58.4	56.3	53.6	52.0	52.7	56.0	56.7	57.0	59.4	57.7	58.7	58.7	57.33
58.1	56.0	54.0	52.6	53.3	53.0	53.8	54.1	54.4	54.9	54.7	55.0	56.98
53.2	51.9	53.3	51.7	52.0	52.1	52.2	48.8	49.4	49.5	51.8	52.8	53.88
51.6	50.9	49.7	49.2	50.0	50.6	51.0	50.5	50.5	51.3	51.3	52.4	52.28
56.3	53.5	52.3	53.9	54.6	54.0	53.0	53.6	54.2	54.5	54.9	54.9	55.62
55.4	53.0	54.2	53.8	55.0	54.6	54.0	53.9	53.6	53.8	53.1	54.8	55.77
54.5	52.6	52.5	52.3	53.2	51.8	51.5	51.4	—	51.5	50.1	51.9	54.07
48.7	46.9	46.4	47.9	48.1	49.0	48.4	48.0	48.6	48.8	49.4	49.5	50.65
52.9	51.6	50.5	51.4	52.5	53.9	54.6	55.0	54.9	54.3	53.8	54.8	53.27
58.1	55.9	54.4	56.2	59.1	59.6	61.0	61.4	59.9	59.5	—	60.5	57.81
54.7	53.1	51.9	52.5	54.4	56.1	56.5	55.8	54.8	54.9	53.8	54.9	56.69
56.3	55.1	53.6	53.7	54.7	56.3	56.6	59.0	59.2	59.0	54.2	57.2	56.46
48.5	47.7	49.2	48.0	51.8	52.0	51.4	51.9	52.3	49.9	50.3	51.7	52.93
49.2	48.2	47.7	46.5	45.8	46.0	47.9	46.7	47.0	47.1	48.8	49.4	50.62
51.0	50.3	49.5	50.6	52.4	54.2	55.4	54.9	55.0	52.5	52.5	52.4	50.03
53.1	52.1	52.8	53.4	51.8	52.0	52.0	52.1	52.5	52.2	52.9	55.0	53.60
56.3	54.7	52.7	50.2	49.2	49.1	48.3	47.6	46.8	46.4	46.6	46.6	52.20
52.3	51.2	51.9	51.0	51.1	48.9	45.8	48.0	47.9	49.2	50.5	51.3	50.40
50.6	50.9	50.9	50.4	50.7	50.8	51.1	50.7	49.9	49.3	50.0	51.3	51.26
51.4	52.3	54.0	56.5	58.8	60.0	60.6	60.7	59.7	59.4	58.4	59.0	55.20
57.0	56.4	58.3	59.5	60.3	61.4	61.3	60.0	59.6	58.6	58.9	59.5	59.25
54.2	55.6	55.6	58.3	59.9	61.9	61.1	60.9	58.9	58.6	57.4	58.1	58.94
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
53.37	52.18	51.85	51.94	52.83	53.41	53.57	53.53	53.50	53.13	52.80	53.98	54.02

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
67.0	..	71.2	..	75.6	..	80.0	..	82.5	..	82.2	..	71.12
65.2	..	65.0	..	64.5	..	64.5	..	65.5	..	64.5	..	68.49
58.0	..	60.5	..	61.5	..	62.6	..	62.5	..	61.2	..	60.46
58.0	..	61.5	..	64.0	..	66.0	..	67.0	..	66.5	..	60.60
62.0	..	66.0	..	69.8	..	72.0	..	73.0	..	70.0	..	65.16
66.8	..	70.5	..	72.5	..	73.5	..	74.0	..	72.0	..	68.31
60.0	..	65.0	..	67.0	..	68.5	..	68.8	..	67.2	..	63.94
60.0	..	64.5	..	67.5	..	70.0	..	71.0	..	70.5	..	64.52
62.2	..	66.0	..	70.6	..	73.0	..	—	..	72.6	..	65.82
69.0	..	74.2	..	78.0	..	80.5	..	79.8	..	77.0	..	72.04
65.5	..	65.8	..	67.2	..	69.0	..	69.8	..	68.0	..	68.10
59.0	..	60.0	..	60.0	..	60.0	..	60.0	..	—	..	61.44
61.0	..	63.5	..	66.0	..	68.0	..	69.8	..	68.5	..	62.34
59.5	..	63.0	..	65.0	..	67.5	..	69.0	..	67.5	..	63.39
62.0	..	66.0	..	69.5	..	73.2	..	75.0	..	74.0	..	67.28
68.3	..	73.0	..	77.0	..	78.8	..	80.5	..	77.0	..	71.22
66.5	..	66.5	..	69.0	..	70.0	..	71.0	..	72.0	..	69.95
61.0	..	64.0	..	68.8	..	70.8	..	71.0	..	69.0	..	65.80
65.5	..	68.0	..	72.0	..	78.8	..	80.0	..	82.0	..	70.27
70.0	..	70.8	..	73.0	..	75.0	..	77.0	..	74.5	..	73.23
67.0	..	70.2	..	73.8	..	76.0	..	76.6	..	75.0	..	70.94
65.0	..	63.8	..	63.0	..	62.0	..	61.5	..	61.0	..	65.63
57.2	..	58.0	..	60.0	..	60.8	..	61.5	..	61.0	..	59.28
59.0	..	60.0	..	62.2	..	64.0	..	65.0	..	64.8	..	60.50
—	..	—	..	—	..	—	..	—	..	—	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
63.11	..	65.71	..	68.23	..	70.19	..	70.95	..	70.35	..	65.99

HORIZONTAL FORCE.

One Scale Division = $\begin{cases} \text{1st to 6th} \cdot 000145 \\ \text{6th to 28th} \cdot 000130 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = $\cdot 000234$.

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 .	
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	73·2	71·0	72·1	69·8	71·0	72·8	76·1	75·2	75·6	77·1	—	79·1
	2	62·5	73·4	70·6 ^a	73·7	77·1	79·2	79·1	77·0	79·2	78·9	74·0	79·6
	3	79·3	82·1	81·1	82·8	82·3	83·6	85·1	85·9	86·1	87·2	86·1	84·6
	4	82·6	82·9	82·5	86·6	84·7	85·0	85·5	86·6	88·4	88·5	87·3	84·4
	5 ^b	81·6	80·0	84·2	—	—	—	—	—	—	—	—	—
	6 ^b	—	—	—	90·8	91·3	91·9	93·1	94·6	— ^c	—	—	—
	7	43·8	43·5	68·2	48·7	47·7	46·6	45·6	45·9	50·0	48·0	44·9	44·0
	8	59·6	60·3	59·4	64·5	65·4	61·9	60·5	59·5	—	60·2	60·0	52·5
	9	55·1	55·8	56·3	57·7	58·3	59·6	59·7	60·5	61·0	61·0	59·1	58·3
	10	56·4	55·0	57·1	58·8	59·4	60·2	61·1	60·2	62·8	62·7	60·8	59·0
	11	61·0	60·1	59·0	58·2	61·4	64·3	66·2	67·9	62·7	66·9	66·8	57·9
	12	58·4	57·7	62·0	—	—	—	—	—	—	—	—	—
	13	—	—	—	65·1	66·1	68·1	68·6	69·7	71·8	73·5	70·2	67·1
	14	68·0	69·1	69·3	70·9	—	71·9	72·7	73·3	74·0	75·9	71·9	68·1
	15	65·2	66·1	66·7	65·5	65·4	65·5	71·8	67·6	68·2	69·5	66·1	63·9
	16	67·5	68·7	69·3	68·8	68·0	68·2	69·5	70·2	74·9	72·4	72·8	68·7
	17	64·7	62·3	58·0	62·4	60·3	75·7	64·6	60·0	63·9	65·7	66·4	63·1
	18	58·5	63·0	57·7	62·0	57·8	64·1	66·9	56·8	58·1	56·2	59·4	54·7
	19	69·8	78·6	70·3	—	—	—	—	—	—	—	—	—
	20	—	—	—	76·4	76·7	75·0	73·5	75·1	72·0	73·1	70·6	68·8
	21	71·6	72·2	73·3	75·3	77·4	—	78·4	79·3	79·7	79·2	79·6	75·6
	22	65·5	66·0	67·1	68·4	71·0	71·3	69·5	—	74·8	71·0	70·3	68·5
	23	61·3	61·7	63·1	64·6	65·4	65·3	65·2	66·8	69·5	70·2	68·1	65·5
	24	47·8	48·0	55·7	59·4	62·8	54·9	55·9	63·7	70·6	65·7	45·4	38·5
	25	59·6	61·6	63·0	64·1	65·2	66·9	68·2	69·9	70·0	68·8	70·4	69·4
	26	63·3	66·1	64·5	—	—	—	—	—	—	—	—	—
	27	—	—	—	67·8	71·3	70·6	71·3	71·2	71·5	72·0	70·1	68·4
28 ^b	74·9	74·4	74·7	78·0	78·2	77·7	77·5	77·3	76·7	76·4	75·9	73·2	
Hourly Means	63·39	64·78	65·51	66·89	67·37	68·13	68·86	68·68	70·70	70·17	67·63	65·44	

TEMPERATURE OF THE BIFILAR MAGNET.

	°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	66·0	..	65·0	..	64·0	..	62·5	..	62·0	..	..
	2	71·0	..	—	..	66·0	..	65·0	..	63·2	..	63·0
	3	67·5	..	66·0	..	64·2	..	63·2	..	62·5	..	63·0
	4	70·0	..	69·0	..	67·0	..	65·0	..	64·5	..	63·8
	5 ^b	72·2	..	—	..	—	..	—	..	—	..	—
	6 ^b	—	..	—	..	74·6	..	73·5	..	—	..	—
	7	76·0	..	73·5	..	73·0	..	71·0	..	69·0	..	68·0
	8	67·0	..	66·2	..	65·5	..	64·5	..	—	..	63·0
	9	71·0	..	69·0	..	68·4	..	67·2	..	67·0	..	67·0
	10	72·0	..	70·0	..	70·0	..	69·0	..	68·0	..	67·0
	11	69·5	..	68·0	..	66·5	..	65·0	..	64·2	..	64·0
	12	63·0	..	62·0	..	—	..	—	..	—	..	—
	13	—	..	—	..	62·0	..	61·5	..	60·8	..	59·8
	14	67·0	..	65·0	..	—	..	63·0	..	62·0	..	61·0
	15	68·0	..	67·0	..	66·0	..	65·0	..	64·0	..	64·0
	16	67·2	..	66·0	..	65·0	..	64·0	..	63·5	..	63·0
	17	69·0	..	68·0	..	66·5	..	65·5	..	65·0	..	64·0
	18	69·0	..	68·5	..	69·0	..	68·0	..	66·0	..	65·0
	19	63·2	..	63·0	..	—	..	—	..	—	..	—
	20	—	..	—	..	59·5	..	59·2	..	59·0	..	58·5
	21	63·2	..	61·5	..	60·0	..	57·5	..	57·0	..	56·0
	22	68·8	..	67·0	..	65·5	..	65·0	..	62·0	..	61·5
	23	74·0	..	72·0	..	70·0	..	68·0	..	66·5	..	66·0
	24	77·5	..	75·5	..	74·2	..	74·0	..	73·0	..	73·0
	25	70·5	..	69·0	..	67·0	..	65·0	..	63·5	..	62·0
	26	70·5	..	70·8	..	—	..	—	..	—	..	—
	27	—	..	—	..	67·2	..	66·5	..	66·0	..	65·0
	28 ^b	65·0	..	64·8	..	64·0	..	63·0	..	63·0	..	64·2
Hourly Means	69·13	..	67·71	..	66·50	..	65·21	..	64·22	..	63·70	..

^a Omitted in the means; temperature not recorded.

^b Omitted in the means.

^c Magnetometer readjusted.

HORIZONTAL FORCE.

One Scale Division = $\begin{cases} \text{1st to 6th} & \cdot 000145 \\ \text{6th to 28th} & \cdot 000130 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = $\cdot 000234$.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
65·4	67·4	68·4	72·9	73·3	68·7	66·5	68·6	70·2	68·9	64·5	69·1	71·17
78·2	75·2	74·8	74·1	70·7	73·3	74·2	72·2	74·9	76·6	78·7	80·5	75·53
83·4	81·7	81·4	78·1	78·6	79·9	81·5	81·2	76·3	80·3	77·8	81·4	81·99
83·2	80·5	78·0	77·4	77·3	78·9	77·7	76·7	75·9	76·5	78·5	82·0	81·98
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	25·1	32·5	29·8	33·4	36·3	28·3	34·7	39·0	—
45·1	42·0	44·4	49·1	49·0	52·0	53·5	54·9	56·9	52·4	56·1	56·4	49·53
51·0	52·1	52·7	51·5	50·4	52·8	52·0	49·5	52·0	52·1	54·2	54·7	56·03
54·6	50·8	48·0	47·8	48·3	48·2	49·1	50·9	51·5	51·4	53·8	54·4	54·63
54·4	50·9	50·9	50·0	50·9	52·5	56·2	56·4	56·6	55·1	55·0	57·7	56·67
58·8	60·4	60·1	56·4	55·6	53·5	57·3	58·1	59·6	56·9	59·9	57·4	60·27
—	—	—	—	—	—	—	—	—	—	—	—	—
63·9	63·1	62·9	64·6	67·1	66·8	67·9	—	65·4	65·7	67·4	67·3	66·10
65·6	61·3	58·4	56·1	60·9	64·7	65·5	64·6	64·7	63·1	63·2	64·6	66·86
61·5	61·2	60·1	60·7	61·5	59·9	61·3	62·4	61·5	62·3	63·8	64·5	64·26
67·2	56·4	43·7	56·4	62·1	63·7	64·1	63·7	62·1	62·0	62·2	64·3	65·29
61·1	60·0	58·9	62·0	64·2	66·7	66·3	64·8	64·3	64·3	66·0	60·4	63·59
54·3	53·9	53·8	58·4	62·5	67·6	66·3	65·0	68·3	70·0	68·4	66·0	61·24
—	—	—	—	—	—	—	—	—	—	—	—	—
66·5	62·5	60·1	70·8	70·3	69·7	69·3	69·2	64·5	66·8	67·9	68·4	70·25
71·5	69·4	66·8	65·0	64·8	65·4	67·4	63·3	61·7	60·9	61·5	63·8	70·57
63·3	60·0	60·4	61·7	61·2	59·6	59·8	56·9	56·8	57·7	58·9	59·5	64·31
61·2	57·8	56·4	55·6	56·6	56·4	57·6	54·7	51·2	47·7	52·9	51·0	60·24
30·4	28·1	37·9	41·0	47·1	48·6	52·5	50·3	52·1	52·4	55·0	57·5	50·89
64·3	62·4	60·4	59·2	59·2	58·8	57·5	60·2	60·0	59·2	60·5	60·2	63·29
—	—	—	—	—	—	—	—	—	—	—	—	—
63·4	59·7	62·1	66·6	71·1	74·5	72·9	73·7	—	71·4	72·9	74·0	69·15
— ^d	—	—	—	—	—	49·3	52·2	52·6	53·5	58·5	59·0	—
62·19	59·85	59·12	60·70	61·94	62·83	63·47	62·73	62·21	62·44	63·59	64·32	64·68

TEMPERATURE OF THE BIFILAR MAGNET.

64·0	..	66·2	..	68·0	..	71·2	..	73·0	..	72·5	..	66·76
65·0	..	69·0	..	72·2	..	73·0	..	72·5	..	70·0	..	68·18
63·0	..	68·0	..	71·0	..	73·0	..	74·0	..	72·5	..	67·32
66·8	..	71·0	..	74·0	..	75·5	..	75·0	..	75·0	..	69·72
—	..	—	..	—	..	—	..	—	..	—	..	—
—	..	—	..	84·2	..	85·0	..	81·2	..	78·5	..	—
68·0	..	69·0	..	70·5	..	70·0	..	69·5	..	68·5	..	70·50
65·2	..	68·0	..	71·5	..	73·2	..	74·2	..	73·0	..	68·30
68·0	..	71·5	..	74·8	..	76·0	..	76·0	..	74·0	..	70·82
67·2	..	69·0	..	72·5	..	73·0	..	72·0	..	71·5	..	70·10
63·5	..	63·5	..	64·0	..	64·5	..	64·4	..	63·8	..	65·07
—	..	—	..	—	..	—	..	—	..	—	..	—
61·0	..	64·8	..	66·5	..	68·0	..	69·5	..	68·4	..	63·94
63·2	..	66·0	..	68·5	..	70·0	..	69·5	..	69·0	..	65·84
64·2	..	65·2	..	67·5	..	70·0	..	70·0	..	69·0	..	66·66
63·0	..	64·0	..	67·0	..	68·5	..	70·5	..	70·0	..	65·97
65·0	..	68·0	..	67·0	..	69·0	..	69·5	..	68·5	..	67·08
64·2	..	62·8	..	63·5	..	65·0	..	65·0	..	64·5	..	65·87
—	..	—	..	—	..	—	..	—	..	—	..	—
57·5	..	58·0	..	63·5	..	65·5	..	67·0	..	65·0	..	61·57
57·8	..	61·8	..	66·0	..	69·5	..	71·5	..	71·0	..	62·73
64·0	..	68·0	..	72·5	..	74·0	..	76·5	..	76·0	..	68·40
68·0	..	72·2	..	76·2	..	79·0	..	81·0	..	79·5	..	72·70
72·8	..	75·0	..	75·5	..	74·2	..	74·6	..	73·0	..	74·36
65·0	..	69·0	..	72·5	..	75·0	..	75·5	..	73·0	..	68·92
—	..	—	..	—	..	—	..	—	..	—	..	—
65·0	..	65·0	..	67·0	..	68·0	..	—	..	66·0	..	67·00
—	..	—	..	—	..	79·0	..	75·0	..	76·2	..	—
64·61	..	67·05	..	69·62	..	71·14	..	71·94	..	70·62	..	67·60

^d Magnet removed.

HORIZONTAL FORCE.													
One Scale Division = .000130 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 .	
	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	59.8	63.7	68.9	70.0	64.1	64.7	65.1	—	69.9	71.3	71.2	65.8
	2	63.8	63.5	63.8	66.2	68.4	72.4	71.4	69.2	71.0	74.3	73.5	73.0
	3	64.9	65.5	67.8	74.5	71.8	72.2	72.6	73.1	73.5	74.3	74.3	73.0
	4	70.9	72.7	73.3	74.0	74.2	75.0	77.5	76.8	78.5	78.9	79.2	75.0
	5	—	75.6	76.3	—	—	—	—	—	—	—	—	—
	6	—	—	—	73.1	73.3	75.3	76.9	77.5	77.0	80.1	78.5	75.9
	7 ^a	—	69.8	72.0	74.2	—	—	—	—	79.8	81.2	79.1	75.2
	8	67.0	68.9	69.3	70.4	71.1	73.7	72.0	73.4	74.4	74.7	75.1	74.3
	9	69.1	69.9	70.3	71.8	72.7	73.6	75.2	73.2	73.0	72.6	70.5	69.6
	10	74.6	74.5	76.0	78.1	77.4	78.4	79.3	80.2	82.8	84.0	83.5	81.9
	11	74.6	74.6	74.2	76.6	77.4	78.9	79.2	78.9	81.6	82.0	82.2	82.1
	12	77.0	76.2	77.1	—	—	—	—	—	—	—	—	—
	13	—	—	—	72.9	78.6	80.2	84.3	78.6	84.6	84.8	85.1	81.1
	14	78.3	80.4	78.7	—	80.7	81.9	82.9	83.9	85.3	85.5	85.9	85.9
	15	81.9	82.0	83.1	83.5	83.2	84.5	85.7	85.1	84.6	91.8	83.9	82.8
	16	86.8	87.4	89.0	87.9	90.7	85.4	90.5	96.8	92.2	84.5	75.7	75.1
	17	72.5	75.5	80.2	75.5	76.9	78.5	78.8	79.9	79.7	79.3	78.3	77.3
	18	74.3	75.9	76.7	76.5	77.2	78.8	81.3	81.9	81.8	83.0	81.2	78.4
	19	66.5	66.8	65.7	—	—	—	—	—	—	—	—	—
	20	—	—	—	77.4	75.7	—	75.6	76.7	76.8	76.2	75.7	75.8
	21	80.0	81.9	81.2	81.7	81.6	82.5	84.4	83.8	85.2	84.0	81.6	79.0
	22	78.0	78.9	79.9	79.9	81.2	84.7	82.0	81.7	82.8	89.5	82.2	80.9
	23	68.0	72.5	76.3	77.2	82.2	79.3	82.4	82.8	83.4	83.8	81.8	81.8
	24	74.8	77.3	78.3	78.2	78.7	78.3	81.3	81.8	82.9	75.6	78.1	76.0
	25	79.6	80.3	80.2	83.3	86.2	83.9	83.7	85.3	88.0	84.4	86.4	82.6
	26	80.8	80.8	81.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	81.1	83.0	83.2	82.4	82.6	84.2	78.5	77.9	75.5
	28	74.5	72.9	77.3	77.3	77.3	—	79.0	80.9	81.8	80.9	83.2	78.7
	29	75.5	75.8	76.6	81.0	81.1	79.2	80.9	91.2	81.9	80.3	78.3	77.9
	30	69.8	73.2	68.6	68.2	71.2	70.0	69.4	72.9	72.8	72.3	69.7	69.7
	31 ^b	75.1	76.5	77.4	77.0	77.8	77.2	79.0	80.0	79.6	80.7	81.2	— ^c
Hourly Means	73.46	74.48	75.46	76.42	77.44	78.03	78.95	80.34	80.37	80.30	78.93	77.09	

TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	73.5	..	71.5	..	69.0	..	67.0	..	66.0	..	66.0	..
	2	69.0	..	67.2	..	65.5	..	64.0	..	63.0	..	63.0	..
	3	70.2	..	68.2	..	66.4	..	64.4	..	63.2	..	62.0	..
	4	66.0	..	65.0	..	63.5	..	61.5	..	60.0	..	59.0	..
	5	—	..	60.8	..	—	..	—	..	—	..	—	..
	6	—	..	—	..	61.0	..	60.8	..	60.0	..	59.0	..
	7 ^a	—	..	65.0	..	—	..	—	..	60.0	..	59.0	..
	8	69.0	..	67.0	..	65.5	..	64.0	..	63.0	..	61.0	..
	9	69.0	..	68.0	..	67.5	..	66.5	..	66.0	..	65.5	..
	10	65.5	..	63.0	..	61.5	..	60.5	..	60.0	..	59.0	..
	11	66.0	..	65.0	..	63.8	..	62.0	..	60.8	..	60.5	..
	12	65.2	..	64.0	..	—	..	—	..	—	..	—	..
	13	—	..	—	..	62.5	..	61.0	..	59.5	..	58.0	..
	14	63.2	..	62.5	..	61.6	..	60.0	..	58.5	..	59.0	..
	15	63.5	..	62.5	..	61.0	..	60.0	..	59.0	..	58.8	..
	16	59.0	..	58.0	..	56.2	..	55.0	..	54.0	..	53.0	..
	17	63.2	..	62.0	..	61.0	..	60.0	..	59.0	..	59.0	..
	18	65.0	..	63.0	..	61.8	..	60.0	..	59.0	..	58.5	..
	19	64.0	..	61.0	..	—	..	—	..	—	..	—	..
	20	—	..	—	..	61.2	..	60.6	..	60.0	..	60.0	..
	21	62.2	..	60.5	..	59.5	..	58.5	..	57.5	..	56.8	..
	22	64.0	..	63.0	..	61.5	..	60.8	..	60.0	..	59.0	..
	23	67.8	..	65.2	..	63.0	..	61.0	..	60.5	..	60.0	..
	24	63.0	..	62.0	..	62.0	..	60.4	..	60.0	..	60.0	..
	25	61.0	..	60.0	..	58.0	..	56.5	..	55.0	..	54.0	..
	26	62.5	..	62.0	..	—	..	—	..	—	..	—	..
	27	—	..	—	..	64.0	..	63.0	..	63.0	..	62.0	..
	28	64.0	..	63.0	..	62.8	..	61.5	..	60.5	..	60.0	..
	29	66.0	..	64.0	..	62.5	..	61.5	..	61.0	..	60.0	..
	30	70.0	..	69.0	..	68.0	..	67.0	..	66.8	..	67.5	..
	31 ^b	66.0	..	66.0	..	—	..	—	..	—	..	—	..
Hourly Means	65.49	..	63.94	..	62.81	..	61.50	..	60.59	..	59.98	..	

^a Omitted in the daily means.

^b Omitted in the means.

HORIZONTAL FORCE.

One Scale Division = .000130 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
66.1	—	57.2	55.6	56.9	59.8	59.0	60.7	63.1	63.8	65.1	66.4	64.01
71.3	67.5	66.6	66.6	63.7	60.1	61.1	60.8	61.0	61.7	63.4	63.9	66.59
68.7	63.5	59.8	58.4	60.2	64.8	65.3	65.0	66.0	66.3	71.9	67.6	68.12
79.2	73.1	75.6	77.2	76.8	74.8	74.7	75.8	74.6	71.0	72.0	75.1	75.25
—	—	—	—	—	—	—	—	—	—	—	—	—
70.2	68.7	62.2	66.1	66.5	66.2	64.6	65.0	61.7	64.2	67.5	68.5	70.91
71.6	68.4	62.1	60.5	59.9	61.1	61.7	65.8	64.7	64.5	65.3	66.7	—
69.6	65.2	63.8	63.1	64.2	65.0	65.2	66.7	68.3	67.0	67.9	68.3	69.11
64.5	60.7	58.0	55.0	58.5	61.3	65.0	66.6	67.9	67.7	69.9	72.4	67.87
77.9	72.9	68.1	66.8	68.0	69.7	70.2	70.8	72.1	71.9	72.9	74.0	75.25
78.2	72.1	68.4	68.0	70.5	70.3	73.5	71.1	71.8	74.6	75.5	76.6	75.54
—	—	—	—	—	—	—	—	—	—	—	—	—
77.0	70.5	67.3	74.1	75.6	75.5	74.7	74.7	73.8	74.0	76.4	77.0	77.13
81.0	77.9	75.7	73.1	73.9	75.5	79.1	77.5	77.7	79.5	80.7	82.2	80.14
80.4	75.8	73.6	75.9	78.0	78.4	78.5	79.2	79.0	80.5	85.0	85.0	81.72
77.8	76.4	68.3	60.9	61.2	60.1	68.5	69.0	69.5	63.6	71.5	70.9	77.49
74.7	66.8	65.7	65.3	66.0	66.3	65.7	67.3	67.3	70.0	72.6	74.6	73.11
75.6	74.9	73.9	73.0	77.5	78.3	70.3	70.4	66.8	63.4	68.3	70.6	75.42
—	—	—	—	—	—	—	—	—	—	—	—	—
74.9	68.5	71.8	74.8	74.4	73.4	73.3	74.2	73.7	76.3	77.4	78.6	73.92
78.6	73.4	72.6	71.0	71.1	70.9	71.2	71.7	70.2	72.0	74.9	77.6	77.59
76.7	72.4	66.3	64.3	65.0	68.1	68.5	68.2	71.0	68.5	72.1	72.2	75.62
78.8	73.6	77.6	74.6	77.8	77.1	76.5	78.5	74.6	76.4	73.6	75.3	77.75
75.3	72.0	74.3	76.5	75.1	76.1	76.1	75.6	76.0	75.6	76.4	77.2	76.98
80.9	77.0	74.9	72.7	74.1	76.9	77.7	77.4	77.9	78.4	79.8	80.4	80.50
—	—	—	—	—	—	—	—	—	—	—	—	—
69.8	67.9	72.8	69.5	72.3	76.6	68.1	72.2	—	67.5	72.6	81.4	76.60
76.9	74.9	70.4	68.3	68.7	68.1	72.2	71.6	71.9	73.1	75.3	75.8	75.26
76.4	72.3	70.3	69.0	66.8	66.0	66.9	63.6	61.5	67.8	69.5	72.2	74.25
69.4	68.5	68.4	65.7	66.9	69.3	70.7	71.3	71.5	71.8	74.1	73.2	70.36
—	—	—	—	—	—	—	—	31.1	30.2	33.5	35.0	—
74.67	71.00	68.68	67.92	68.81	69.60	69.93	70.41	70.14	70.43	72.75	73.99	74.11

TEMPERATURE OF THE BIFILAR MAGNET.

67.0	..	70.0	..	73.0	..	73.8	..	72.5	..	72.2	..	70.12
64.8	..	68.5	..	72.6	..	74.0	..	75.0	..	73.0	..	68.30
64.5	..	68.0	..	71.0	..	71.0	..	70.0	..	67.2	..	67.17
60.0	..	60.4	..	61.5	..	63.0	..	63.2	..	63.0	..	62.17
—	..	—	..	—	..	—	..	—	..	—	..	—
62.0	..	66.0	..	69.0	..	70.0	..	70.0	..	70.0	..	64.42
61.0	..	64.5	..	69.0	..	71.2	..	73.0	..	71.5	..	—
63.5	..	66.0	..	68.0	..	71.0	..	71.0	..	70.0	..	66.58
67.0	..	69.0	..	72.0	..	73.0	..	72.0	..	67.5	..	68.58
59.0	..	61.0	..	64.2	..	67.0	..	68.2	..	66.0	..	62.91
60.0	..	63.0	..	66.0	..	67.0	..	67.5	..	66.5	..	64.01
—	..	—	..	—	..	—	..	—	..	—	..	—
58.5	..	61.5	..	65.0	..	66.2	..	66.8	..	64.5	..	62.72
57.5	..	60.5	..	65.0	..	66.0	..	65.0	..	65.0	..	61.98
58.5	..	59.0	..	60.0	..	61.0	..	62.2	..	60.8	..	60.52
55.5	..	60.0	..	64.0	..	65.8	..	67.0	..	64.0	..	59.29
59.0	..	63.0	..	66.0	..	69.0	..	69.0	..	66.8	..	63.08
58.0	..	60.0	..	65.0	..	67.8	..	69.0	..	67.5	..	62.88
—	..	—	..	—	..	—	..	—	..	—	..	—
60.0	..	61.0	..	63.0	..	64.0	..	64.5	..	63.2	..	61.87
57.5	..	63.0	..	66.0	..	68.0	..	68.0	..	66.2	..	61.97
61.0	..	66.0	..	69.5	..	71.5	..	72.0	..	71.0	..	64.94
61.0	..	63.0	..	63.6	..	64.0	..	64.5	..	64.2	..	63.15
58.5	..	59.0	..	62.5	..	64.4	..	65.0	..	63.8	..	61.72
55.0	..	59.0	..	64.0	..	65.0	..	65.0	..	62.8	..	59.61
—	..	—	..	—	..	—	..	—	..	—	..	—
62.0	..	62.5	..	64.0	..	66.0	..	—	..	65.0	..	63.27
60.8	..	65.0	..	67.0	..	69.0	..	69.8	..	68.5	..	64.32
62.0	..	66.5	..	70.0	..	72.2	..	72.0	..	71.0	..	65.72
67.0	..	66.5	..	67.0	..	68.0	..	67.5	..	67.0	..	67.61
—	..	—	..	—	..	—	..	—	..	—	..	—
60.79	..	63.53	..	66.46	..	68.03	..	68.39	..	66.85	..	64.02

* Instrument under re-adjustment.

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
APRIL.	1	47.4	46.6	48.7	51.0	52.1	47.3	49.5	52.6	54.4	56.4	58.6	54.3
	2	49.8	51.1	49.5	—	—	—	—	—	—	—	—	—
	3	—	—	—	63.2	65.5	65.6	66.1	67.3	61.5	61.6	69.7	59.4
	4	47.2	53.2	53.4	—	52.4	62.9	58.2	56.3	59.2	62.5	63.4	63.6
	5	59.6	60.5	60.4	64.3	64.5	64.4	65.0	66.5	65.1	66.0	67.3	60.8
	6	57.6	65.7	57.2	55.5	59.1	61.1	63.0	64.4	64.8	64.1	64.0	62.1
	7	67.7	68.6	69.3	69.7	71.0	70.5	72.2	71.8	—	70.7	69.7	64.2
	8	58.0	59.5	60.2	62.6	62.8	63.5	63.4	64.0	66.6	65.1	67.6	62.9
	9	54.7	54.9	54.0	—	—	—	—	—	—	—	—	—
	10	—	—	—	80.1	76.7	78.4	77.8	77.2	73.8	77.3	81.5	76.3
	11	64.1	71.8	67.8	65.5	64.6	64.2	64.0	65.9	69.0	70.6	70.0	65.0
	12	62.8	57.5	54.5	58.1	64.2	69.4	—	—	66.5	75.2	61.9	50.6
	13	21.9	40.6	28.4	28.8	35.5	40.9	44.2	49.0	47.4	49.7	50.2	44.5
	14 ^a	42.3	45.6	49.6	47.9	51.3	53.6	55.4	56.9	59.4	60.0	55.9	54.7
	15	31.0	39.1	45.0	38.4	45.6	44.5	39.0	45.3	49.8	50.2	50.7	42.3
	16	40.5	39.4	42.7	—	—	—	—	—	—	—	—	—
	17	—	—	—	58.2	56.7	58.1	61.0	63.4	65.8	67.1	65.6	66.1
	18	59.0	57.3	58.0	59.1	60.3	62.4	62.1	63.0	64.5	67.7	69.1	66.1
	19	49.9	55.1	58.0	58.8	56.5	60.2	61.6	56.9	59.8	59.9	59.8	62.7
	20	59.1	56.2	60.0	58.7	58.6	60.0	61.0	61.2	61.2	63.4	64.1	61.8
	21	65.1	51.9	49.6	53.1	58.7	51.5	51.5	55.2	53.0	54.3	59.9	57.4
	22	55.4	55.1	57.1	60.5	60.8	59.2	60.5	62.3	62.6	63.8	65.7	—
	23	51.9	56.1	55.4	—	—	—	—	—	—	—	—	—
	24	—	—	—	62.3	—	62.1	62.2	63.0	63.3	64.0	64.8	64.9
	25	63.2	62.9	62.7	63.8	66.8	67.4	72.2	70.1	71.2	71.7	71.5	70.1
	26	66.6	68.3	65.2	64.1	63.5	63.4	63.5	65.0	67.4	67.2	66.7	65.6
	27	67.4	69.2	69.0	69.4	70.2	71.7	73.2	72.6	75.7	76.0	76.1	77.3
	28	72.5	72.7	73.0	75.2	70.6	72.3	75.0	75.9	—	76.4	77.7	76.2
	29	63.8	63.9	64.6	54.0	63.7	65.2	66.7	67.6	65.4	64.2	70.4	66.0
	30	61.2	60.9	58.6	—	—	—	—	—	—	—	—	—
	31	—	—	—	61.9	61.6	62.3	62.6	63.8	63.9	64.5	65.2	60.9
Hourly Means	55.90	57.52	56.89	59.84	60.92	61.94	62.31	63.34	63.13	65.18	66.05	62.54	

TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	60.5	..	59.5	..	58.8	..	58.0	..	57.0	..	55.8	..
	2	62.0	..	60.5	..	—	..	—	..	—	..	—	..
	3	—	..	—	..	55.5	..	54.5	..	53.2	..	53.0	..
	4	62.5	..	60.0	..	59.5	..	58.0	..	57.0	..	56.0	..
	5	57.0	..	55.8	..	54.0	..	53.6	..	54.0	..	54.0	..
	6	57.5	..	56.0	..	56.0	..	54.8	..	54.2	..	53.5	..
	7	52.8	..	51.5	..	51.2	..	51.0	..	—	..	52.2	..
	8	59.2	..	58.5	..	57.7	..	57.0	..	55.5	..	55.0	..
	9	62.5	..	62.5	..	—	..	—	..	—	..	—	..
	10	—	..	—	..	50.0	..	49.0	..	48.0	..	47.8	..
	11	49.5	..	49.8	..	48.8	..	47.5	..	47.2	..	48.0	..
	12	52.0	..	52.0	..	51.0	..	—	..	50.0	..	51.5	..
	13	61.0	..	60.0	..	59.8	..	58.0	..	57.8	..	56.5	..
	14 ^a	62.5	..	62.0	..	60.6	..	60.0	..	58.0	..	57.5	..
	15	60.0	..	58.0	..	56.0	..	54.8	..	54.0	..	53.0	..
	16	61.0	..	59.5	..	—	..	—	..	—	..	—	..
	17	—	..	—	..	52.4	..	52.2	..	51.5	..	51.0	..
	18	56.0	..	55.2	..	55.2	..	54.0	..	53.0	..	52.8	..
	19	57.8	..	57.5	..	57.0	..	55.5	..	54.8	..	54.0	..
	20	57.4	..	57.5	..	56.8	..	56.0	..	55.8	..	54.8	..
	21	61.4	..	60.4	..	60.2	..	59.0	..	58.0	..	57.5	..
	22	60.0	..	59.5	..	57.5	..	56.0	..	55.2	..	55.0	..
	23	61.5	..	60.5	..	—	..	—	..	—	..	—	..
	24	—	..	—	..	—	..	57.5	..	57.5	..	56.0	..
	25	57.5	..	56.0	..	54.5	..	53.5	..	53.0	..	53.0	..
	26	57.5	..	57.5	..	58.2	..	57.6	..	56.2	..	56.5	..
	27	55.0	..	53.8	..	53.0	..	51.5	..	50.5	..	49.5	..
	28	52.0	..	51.8	..	51.0	..	51.0	..	—	..	51.0	..
	29	58.0	..	57.8	..	58.2	..	58.0	..	56.8	..	56.8	..
	30	59.0	..	58.0	..	—	..	—	..	—	..	—	..
	31	—	..	—	..	59.5	..	59.2	..	59.0	..	58.5	..
Hourly Means	58.02	..	57.16	..	55.49	..	54.88	..	54.31	..	53.71	..	

^a Omitted in the means.

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 61.4	Sc. Div. 49.4	Sc. Div. 39.5	Sc. Div. 31.1	Sc. Div. 30.5	Sc. Div. 35.4	Sc. Div. 41.3	Sc. Div. 38.1	Sc. Div. 42.5	Sc. Div. 42.0	Sc. Div. 46.1	Sc. Div. 48.6	Sc. Div. 46.87
57.8	55.7	51.9	49.0	42.7	43.2	40.0	43.6	46.9	47.4	46.9	45.0	54.18
54.6	52.7	49.0	46.7	50.3	53.7	54.9	53.0	53.0	53.3	55.8	58.1	55.10
57.2	47.6	48.0	45.3	44.6	45.1	41.7	46.7	49.7	48.0	48.0	54.3	55.86
58.0	56.1	55.9	58.4	60.9	64.1	65.2	65.1	63.8	63.1	64.1	67.9	61.72
59.1	54.0	50.4	50.1	51.9	55.1	56.1	55.0	55.3	54.6	53.9	55.5	61.58
59.7	56.2	49.7	49.1	50.3	51.4	52.0	51.6	53.1	48.8	49.7	51.2	57.46
73.6	62.9	46.4	40.1	45.2	51.5	49.5	51.7	55.3	44.0	46.1	43.9	61.37
58.4	63.5	59.6	52.9	58.5	55.2	53.8	55.8	52.7	57.3	65.2	64.7	62.75
44.7	41.6	47.5	56.2	49.5	46.5	49.8	53.1	40.5	33.7	17.8	22.2	51.08
41.3	46.9	46.0	43.8	43.9	46.0	45.8	50.0	49.6	48.8	49.6	45.4	43.26
50.3	50.4	48.6	45.9	36.9	0.5	26.9	21.4	-10.5 ^b	13.8	20.6	42.0	—
31.3	24.1	15.4	16.1	12.8	24.5	33.2	35.8	26.1	13.6	28.7	36.8	34.14
63.8	59.2	56.4	55.1	50.4	51.3	55.6	56.2	57.8	62.3	64.6	60.7	57.42
63.5	56.8	51.3	50.5	52.1	51.9	46.0	43.7	47.9	54.0	47.2	55.8	57.05
62.2	51.8	51.4	49.2	49.3	49.3	52.4	55.3	55.1	55.9	55.4	58.9	56.06
56.5	52.6	50.4	44.7	33.9	39.7	47.2	52.1	44.2	45.6	49.2	43.6	53.54
55.3	56.0	52.2	45.0	48.1	49.4	48.6	58.0	48.5	50.0	53.0	54.0	53.30
60.5	55.5	60.0	46.3	46.4	45.1	43.3	47.5	47.4	48.9	50.1	51.3	55.01
61.3	57.6	56.3	53.8	54.2	56.7	57.9	59.9	60.4	62.3	64.0	61.7	59.83
67.8	67.0	63.8	61.1	60.8	64.1	62.6	63.4	64.9	65.9	67.2	66.3	66.19
62.0	59.5	58.2	57.6	57.9	59.2	62.5	63.7	68.5	69.8	67.7	67.9	64.21
73.4	70.2	64.4	60.5	59.7	60.4	65.5	66.7	68.4	70.2	70.6	73.0	69.62
72.6	69.8	65.6	62.9	60.7	59.5	58.0	58.6	61.0	63.0	64.1	64.8	68.61
61.8	58.3	53.1	57.7	48.2	50.1	53.7	54.2	55.2	57.4	59.6	58.8	60.15
58.4	57.1	57.5	57.1	56.8	60.8	58.5	59.4	60.0	61.9	63.0	61.6	60.81
59.05	55.28	52.00	49.61	48.78	50.77	51.80	53.53	53.35	52.87	53.90	54.88	57.08

TEMPERATURE OF THE BIFILAR MAGNET.

56.0	..	59.5	..	64.0	..	65.0	..	66.0	..	64.5	..	60.38
53.2	..	55.8	..	58.0	..	61.2	..	63.0	..	63.2	..	57.76
55.5	..	56.5	..	58.0	..	59.2	..	59.6	..	58.8	..	58.38
55.0	..	57.2	..	59.5	..	60.4	..	59.8	..	58.5	..	56.57
54.0	..	54.0	..	54.5	..	54.5	..	54.6	..	54.0	..	54.80
54.0	..	57.0	..	59.0	..	59.2	..	60.0	..	60.0	..	55.26
56.0	..	57.5	..	59.5	..	61.4	..	62.5	..	62.5	..	58.52
48.5	..	52.0	..	53.5	..	53.5	..	52.0	..	51.2	..	52.54
49.0	..	50.5	..	51.5	..	52.2	..	53.0	..	53.0	..	50.00
52.5	..	55.0	..	58.2	..	61.0	..	61.0	..	61.0	..	55.02
56.5	..	57.2	..	61.0	..	63.5	..	64.0	..	63.2	..	59.87
59.0	..	61.5	..	64.0	..	64.5	..	64.0	..	60.5	..	—
54.4	..	58.0	..	61.5	..	62.0	..	62.5	..	62.2	..	58.03
50.8	..	52.0	..	55.5	..	56.5	..	56.2	..	56.5	..	54.59
54.0	..	57.5	..	60.5	..	61.0	..	61.2	..	59.8	..	56.68
54.5	..	57.5	..	59.5	..	61.0	..	60.0	..	59.0	..	57.34
55.8	..	58.0	..	60.6	..	62.5	..	62.0	..	62.0	..	58.27
56.0	..	59.0	..	61.5	..	62.2	..	63.2	..	61.2	..	59.97
55.2	..	59.8	..	63.5	..	65.0	..	65.2	..	63.5	..	59.62
55.5	..	57.0	..	59.5	..	60.2	..	60.0	..	57.8	..	58.45
53.0	..	55.0	..	56.0	..	56.5	..	57.2	..	57.5	..	55.22
54.8	..	54.0	..	56.8	..	57.2	..	56.5	..	56.0	..	56.57
49.5	..	50.6	..	54.5	..	54.5	..	55.3	..	54.0	..	52.64
51.2	..	53.2	..	55.0	..	58.0	..	58.2	..	58.0	..	53.67
57.5	..	60.0	..	63.4	..	63.6	..	63.4	..	61.0	..	59.54
62.0	..	61.8	..	62.2	..	63.0	..	62.0	..	60.0	..	60.35
54.18	..	56.22	..	58.67	..	59.77	..	59.94	..	59.14	..	56.82

^b The — sign is correct.

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
MAY.	2	55.4	56.4	60.9	60.0	62.2	63.2	63.9	64.8	66.0	—	65.2	63.4
	3	—	63.5	63.1	63.2	59.9	61.2	60.8	61.9	63.8	64.1	64.1	64.2
	4	54.9	55.4	57.8	59.4	60.7	63.6	64.9	67.1	69.6	70.3	71.1	67.3
	5	58.2	60.2	61.5	59.7	59.2	61.2	64.2	68.4	—	69.3	70.9	67.9
	6	80.9	80.0	78.8	78.6	85.6	78.2	71.8	67.9	68.1	71.6	74.5	73.6
	7	75.2	61.6	59.7	—	—	—	—	—	—	—	—	—
	8	—	—	—	67.5	68.8	70.1	72.3	74.5	71.5	73.0	70.6	66.0
	9	70.1	68.7	68.4	67.7	66.7	68.4	68.5	67.9	71.7	70.9	72.6	70.1
	10	62.3	69.1	61.0	62.6	65.9	63.5	67.7	67.9	72.0	71.3	69.5	71.4
	11	76.0	75.5	74.1	74.0	76.5	77.0	78.8	78.9	80.2	83.0	80.7	80.3
	12	68.8	69.8	71.4	72.3	72.5	—	72.3	71.5	71.8	71.8	71.8	71.2
	13	64.1	63.2	63.0	63.4	64.5	65.4	68.1	67.0	67.6	67.5	67.6	67.3
	14	70.9	72.8	71.0	—	—	—	—	—	—	—	—	—
	15	—	—	—	74.3	72.5	72.8	73.5	—	77.8	81.1	82.1	81.2
	16	46.3	31.6	44.7	39.2	50.2	60.7	57.2	57.9	61.2	65.6	67.2	70.1
	17	55.6	57.5	64.1	59.9	58.6	58.6	58.8	59.2	62.8	62.8	62.8	62.8
	18	64.8	65.3	80.8	69.5	67.6	67.3	66.5	67.1	67.3	71.4	74.0	72.7
	19	66.1	61.2	61.6	63.2	65.3	68.8	70.7	68.8	70.3	72.2	75.0	73.6
	20	66.1	64.1	64.2	63.7	65.0	67.2	70.3	66.8	67.5	68.4	69.5	69.2
	21	69.5	70.2	70.9	—	—	—	—	—	—	—	—	—
	22	—	—	—	80.0	80.2	80.4	81.0	81.3	81.8	82.2	83.2	82.9
	23	84.5	84.9	84.5	83.5	—	86.4	88.4	91.8	91.1	88.8	91.4	91.8
	24	84.0	85.2	84.9	83.9	84.4	84.9	86.2	87.2	87.7	87.2	88.4	89.4
	25	74.7	76.2	73.7	76.8	76.7	76.6	77.0	78.7	80.1	80.8	81.4	79.2
	26	75.6	74.9	73.9	74.0	73.6	75.5	77.9	—	79.1	79.8	78.5	75.2
	27	69.5	69.3	68.6	69.3	68.1	67.8	69.6	70.1	72.0	73.7	74.3	75.4
	28	70.2	71.6	72.0	—	—	—	—	—	—	—	—	—
	29	—	—	—	76.1	76.5	77.2	76.7	76.2	74.1	74.6	72.9	72.7
	30	73.5	74.6	—	75.8	74.5	75.7	76.2	77.7	78.3	77.6	77.5	77.9
	31	74.5	73.7	74.3	72.9	—	74.8	75.0	76.1	76.4	76.5	76.2	77.0
	Hourly Means	68.47	67.56	68.36	68.86	68.99	70.66	71.47	71.53	73.19	74.22	74.35	73.61

TEMPERATURE OF THE BIFILAR MAGNET.												
MAY.	2	59.0	..	59.0	..	59.0	..	58.0	..	56.5	..	56.8
	3	—	..	58.5	..	58.0	..	58.8	..	58.5	..	58.0
	4	65.0	..	63.2	..	61.2	..	59.0	..	57.5	..	57.5
	5	60.5	..	60.0	..	59.8	..	59.0	..	—	..	54.6
	6	52.4	..	51.5	..	52.0	..	52.0	..	51.8	..	51.0
	7	54.2	..	54.8	..	—	..	—	..	—	..	—
	8	—	..	—	..	54.6	..	54.0	..	52.5	..	53.5
	9	54.5	..	55.5	..	54.0	..	53.0	..	53.0	..	53.0
	10	58.0	..	57.5	..	57.0	..	56.0	..	55.0	..	55.0
	11	49.5	..	48.2	..	48.5	..	47.0	..	46.5	..	47.0
	12	53.5	..	53.0	..	52.8	..	52.5	..	54.0	..	54.2
	13	58.5	..	58.5	..	58.8	..	57.5	..	56.6	..	56.0
	14	54.8	..	53.0	..	—	..	—	..	—	..	—
	15	—	..	—	..	51.2	..	50.5	..	50.0	..	48.0
	16	54.0	..	54.0	..	53.5	..	53.0	..	51.0	..	50.0
	17	55.5	..	55.0	..	56.0	..	55.0	..	55.0	..	54.8
	18	55.0	..	54.0	..	54.0	..	53.5	..	53.6	..	53.0
	19	56.0	..	54.8	..	54.2	..	53.0	..	52.8	..	52.5
	20	57.5	..	57.5	..	57.5	..	56.5	..	56.0	..	57.0
	21	54.0	..	53.5	..	—	..	—	..	—	..	—
	22	—	..	—	..	49.0	..	49.0	..	49.0	..	49.0
	23	46.5	..	46.0	..	—	..	44.5	..	44.8	..	43.5
	24	46.0	..	45.8	..	46.0	..	45.0	..	45.5	..	46.0
	25	53.5	..	53.2	..	52.0	..	52.0	..	49.6	..	50.0
	26	53.0	..	52.0	..	52.2	..	51.0	..	51.0	..	52.0
	27	56.0	..	56.0	..	56.0	..	56.0	..	55.0	..	55.0
	28	56.5	..	56.8	..	—	..	—	..	—	..	—
	29	—	..	—	..	51.0	..	51.0	..	51.5	..	52.5
	30	54.5	..	—	..	52.8	..	51.2	..	51.0	..	51.8
	31	53.8	..	53.2	..	—	..	53.0	..	53.0	..	53.0
	Hourly Means	54.87	..	54.58	..	54.21	..	53.12	..	52.47	..	52.49

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 62.9	Sc. Div. 60.7	Sc. Div. 56.8	Sc. Div. 57.0	Sc. Div. 57.6	Sc. Div. 59.8	Sc. Div. 61.0	Sc. Div. 61.5	Sc. Div. 60.2	Sc. Div. 62.6	Sc. Div. 63.6	Sc. Div. 63.3	Sc. Div. 61.23
61.4	57.8	55.4	49.0	47.4	47.1	49.3	49.9	49.4	51.5	53.2	53.4	57.15
63.7	58.1	54.4	51.4	52.5	54.5	57.0	59.1	59.8	60.5	57.8	57.4	60.35
65.8	63.8	60.5	59.3	62.2	64.6	66.9	67.2	74.8	71.8	70.9	72.2	65.25
73.2	67.6	65.4	60.6	60.8	61.8	62.2	65.7	59.9	62.6	65.6	59.5	69.77
—	—	—	—	—	—	—	—	—	—	—	—	—
66.0	65.4	63.2	61.6	62.8	64.4	67.0	62.0	64.2	63.4	66.8	67.1	66.86
60.9	63.3	61.2	57.4	53.9	54.0	54.3	53.4	56.6	57.6	62.5	64.1	63.79
66.7	65.8	62.0	50.8	51.3	56.1	56.9	61.9	64.9	67.1	68.5	80.9	64.88
78.0	73.6	70.3	66.8	62.4	62.1	63.9	67.0	69.7	69.7	70.5	69.1	73.25
68.6	65.2	61.5	56.3	55.3	57.5	57.8	56.8	58.5	63.1	65.4	65.3	65.93
64.2	59.1	56.1	50.8	50.6	55.6	58.8	64.0	65.4	66.8	67.9	70.8	63.28
—	—	—	—	—	—	—	—	—	—	—	—	—
78.3	76.0	68.5	67.1	70.2	65.8	72.9	68.2	70.8	73.8	74.1	66.1	73.12
68.1	65.4	63.0	54.3	49.9	55.5	57.8	60.8	59.5	53.3	50.3	51.9	55.90
60.9	57.1	60.4	62.2	60.8	61.7	62.9	64.9	65.0	63.5	65.4	60.8	61.21
68.6	63.7	63.8	56.8	59.0	61.7	56.7	61.5	63.1	66.2	67.7	62.8	66.08
70.4	67.4	62.0	58.6	55.4	56.0	59.9	63.5	63.7	63.8	65.5	65.2	65.34
67.9	67.1	65.2	61.7	61.3	62.0	—	69.6	72.1	70.8	70.2	70.0	66.95
—	—	—	—	—	—	—	—	—	—	—	—	—
81.7	80.0	77.3	76.7	78.5	77.7	80.0	82.5	82.6	81.5	82.4	83.7	79.51
87.2	90.5	86.7	83.2	81.7	81.3	80.4	82.2	81.5	83.5	86.5	85.2	85.95
87.6	83.2	76.1	73.6	72.7	71.1	69.8	72.5	74.5	74.7	76.1	75.4	80.86
78.3	73.6	69.3	66.8	65.9	65.4	65.2	66.9	70.1	69.9	75.0	74.5	73.87
74.0	71.9	70.2	65.4	64.7	63.9	67.3	70.8	72.2	71.4	70.1	68.3	72.53
72.8	68.3	67.0	64.4	65.5	64.0	66.5	67.5	69.0	71.0	72.0	71.8	69.48
—	—	—	—	—	—	—	—	—	—	—	—	—
73.2	73.3	68.7	66.0	65.5	66.2	67.2	68.7	71.5	71.1	72.2	74.6	72.04
77.7	73.7	70.5	68.6	67.1	67.1	69.5	70.9	71.2	72.8	73.0	74.3	73.73
73.7	—	65.2	60.8	61.5	62.4	64.8	67.3	69.5	69.6	70.7	71.7	71.12
71.22	68.46	65.41	61.81	61.40	62.28	63.84	65.63	66.91	67.45	68.61	68.44	68.42

TEMPERATURE OF THE BIFILAR MAGNET.

57.0	..	57.2	..	59.2	..	59.2	..	59.0	..	59.0	..	58.24
57.5	..	58.8	..	64.0	..	67.8	..	68.0	..	66.0	..	61.26
56.8	..	59.5	..	61.2	..	61.2	..	61.2	..	60.0	..	60.27
55.0	..	56.0	..	58.2	..	57.5	..	55.0	..	53.8	..	57.22
51.0	..	53.0	..	56.0	..	56.5	..	56.2	..	55.2	..	53.22
—	..	—	..	—	..	—	..	—	..	—	..	—
53.0	..	54.2	..	56.0	..	56.0	..	55.6	..	55.0	..	54.45
53.0	..	56.0	..	58.0	..	59.0	..	59.2	..	58.5	..	55.56
53.8	..	54.8	..	57.0	..	56.0	..	53.6	..	51.2	..	55.42
47.5	..	49.0	..	52.5	..	54.0	..	53.8	..	54.0	..	49.79
55.0	..	57.5	..	59.0	..	60.0	..	61.0	..	58.5	..	55.92
56.5	..	58.5	..	60.0	..	58.2	..	57.2	..	56.0	..	57.69
—	..	—	..	—	..	—	..	—	..	—	..	—
47.0	..	50.0	..	53.5	..	55.0	..	55.0	..	53.5	..	51.79
50.5	..	54.2	..	57.2	..	57.5	..	57.8	..	56.5	..	54.10
55.0	..	54.0	..	55.0	..	54.8	..	54.8	..	55.0	..	54.99
54.0	..	56.2	..	56.8	..	58.0	..	58.5	..	56.5	..	55.26
53.6	..	55.5	..	58.0	..	58.5	..	58.0	..	57.5	..	55.37
56.0	..	55.2	..	56.0	..	—	..	55.2	..	55.2	..	56.42
—	..	—	..	—	..	—	..	—	..	—	..	—
49.5	..	50.5	..	50.0	..	49.0	..	49.0	..	47.0	..	49.87
44.0	..	47.2	..	48.2	..	48.6	..	48.5	..	47.3	..	46.28
47.0	..	50.6	..	54.5	..	54.0	..	55.0	..	53.0	..	49.03
50.5	..	54.2	..	57.0	..	57.5	..	56.5	..	54.5	..	53.37
51.8	..	55.0	..	56.0	..	56.5	..	56.5	..	56.0	..	53.58
55.5	..	55.2	..	56.5	..	58.0	..	58.0	..	57.0	..	56.18
—	..	—	..	—	..	—	..	—	..	—	..	—
54.0	..	56.0	..	57.0	..	57.0	..	56.6	..	55.0	..	54.57
52.2	..	53.8	..	55.5	..	56.0	..	56.0	..	55.2	..	53.64
54.0	..	58.0	..	58.8	..	58.5	..	58.2	..	57.0	..	55.50
52.72	..	54.62	..	56.58	..	56.97	..	56.67	..	55.52	..	54.57

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
JUNE.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
	1	71.8	74.1	74.3	75.1	76.2	77.0	78.4	78.9	—	80.8	78.8	80.6
	2	77.8	78.0	78.4	80.0	72.8	75.5	75.0	76.1	—	79.4	79.5	77.7
	3	70.8	68.8	74.2	68.4	68.9	68.9	70.4	69.7	69.5	70.2	71.3	72.5
	4	72.8	73.6	76.4	—	—	—	—	—	—	—	—	—
	5	—	—	—	72.6	72.0	—	74.6	70.8	71.8	70.5	71.4	72.5
	6	69.3	73.8	69.8	68.3	70.3	69.3	69.9	71.5	—	72.8	73.5	71.3
	7	65.6	68.5	69.7	70.3	71.8	74.4	76.1	75.4	76.7	77.3	77.8	76.3
	8	83.4	80.5	79.0	81.0	—	83.2	85.5	84.9	86.8	87.8	89.2	88.8
	9	86.2	85.1	86.7	89.4	81.4	81.1	83.5	86.5	87.5	87.0	87.6	86.4
	10	88.2	88.4	85.9	83.1	83.2	83.2	82.9	82.8	83.0	83.3	81.1	82.0
	11	—	82.6	81.7	—	—	—	—	—	—	—	—	—
	12	—	—	—	82.8	83.3	82.9	82.9	85.6	86.2	87.8	87.5	87.4
	13	—	81.0	82.3	78.0	81.5	82.2	86.2	88.0	88.3	86.5	86.7	88.0
	14	74.6	75.4	64.5	67.2	—	70.2	70.0	70.1	67.6	67.2	69.9	70.5
	15	62.5	65.3	65.1	65.6	66.2	68.0	67.6	69.7	70.1	71.6	72.1	73.5
	16	69.0	76.0	75.7	72.9	—	75.7	77.0	76.5	77.4	77.9	78.9	79.9
	17	76.1	76.2	76.8	77.5	77.7	77.3	77.6	77.1	77.5	78.6	80.1	80.9
	18	—	72.3	74.9	—	—	—	—	—	—	—	—	—
	19	—	—	—	63.7	64.2	65.5	66.7	63.4	70.7	70.3	59.2	54.4
	20	68.7	69.5	69.9	68.8	68.9	71.1	73.3	76.3	78.6	76.7	80.1	79.9
	21	80.7	80.8	80.3	79.7	79.6	80.5	81.4	81.7	82.1	82.8	83.1	82.4
	22	77.9	78.7	78.3	78.9	79.9	83.2	86.7	85.2	87.4	88.3	89.7	90.8
	23	73.9	77.7	77.8	78.3	78.0	78.0	78.8	82.1	75.9	83.7	85.4	68.1
	24	77.7	74.7	79.2	81.0	—	81.0	82.9	85.4	85.9	86.5	87.4	89.7
	25	85.7	87.1	85.5	—	—	—	—	—	—	—	—	—
	26	—	—	—	89.7	86.6	—	86.5	83.2	87.1	90.5	91.4	95.8
	27	88.5	91.1	90.8	89.6	89.9	90.4	92.7	92.9	93.3	94.4	95.6	95.9
	28	86.0	85.7	86.0	84.6	85.5	86.2	86.6	85.3	86.8	87.8	87.9	87.4
	29	84.1	84.2	84.1	83.3	83.4	84.1	85.2	87.5	88.1	87.9	87.9	90.1
30	81.5	83.6	84.6	84.3	84.1	88.5	88.3	90.1	91.5	92.2	93.3	93.5	
Hourly Means	77.08	78.18	78.15	77.47	77.52	78.23	79.49	79.87	81.30	81.53	81.78	81.40	

TEMPERATURE OF THE BIFILAR MAGNET.												
JUNE.	1	56.0	..	54.0	..	53.0	..	52.0	..	—	..	49.5
	2	51.0	..	51.0	..	51.5	..	52.0	..	—	..	50.2
	3	55.2	..	55.0	..	55.5	..	56.0	..	54.8	..	54.0
	4	54.0	..	53.0	..	—	..	—	..	—	..	—
	5	—	..	—	..	48.0	..	48.0	..	49.5	..	49.0
	6	53.5	..	52.6	..	53.0	..	52.2	..	—	..	51.4
	7	53.5	..	52.0	..	51.0	..	49.5	..	49.0	..	48.5
	8	46.0	..	46.0	..	—	..	43.0	..	43.0	..	42.0
	9	44.5	..	44.0	..	44.0	..	43.2	..	43.2	..	43.5
	10	45.8	..	45.8	..	46.0	..	45.5	..	46.0	..	47.5
	11	—	..	46.2	..	—	..	—	..	—	..	—
	12	—	..	—	..	46.5	..	46.0	..	46.0	..	45.5
	13	—	..	45.0	..	45.8	..	44.0	..	44.2	..	43.8
	14	50.0	..	50.0	..	—	..	52.2	..	54.0	..	54.2
	15	56.0	..	56.0	..	56.0	..	54.8	..	54.0	..	54.0
	16	53.8	..	52.5	..	—	..	52.0	..	51.5	..	50.8
	17	51.5	..	51.5	..	51.2	..	51.5	..	51.8	..	51.0
	18	—	..	54.8	..	—	..	—	..	—	..	—
	19	—	..	—	..	57.5	..	57.5	..	57.5	..	57.5
	20	54.5	..	53.4	..	53.5	..	50.8	..	50.0	..	49.2
	21	48.2	..	47.5	..	48.2	..	47.5	..	47.5	..	47.4
	22	50.0	..	49.0	..	48.0	..	47.5	..	47.5	..	47.0
	23	50.0	..	49.2	..	49.0	..	49.2	..	49.0	..	49.0
	24	48.5	..	46.8	..	—	..	45.0	..	45.0	..	44.5
	25	45.0	..	45.0	..	—	..	—	..	—	..	—
	26	—	..	—	..	45.5	..	45.0	..	43.4	..	42.2
	27	43.6	..	42.8	..	42.6	..	41.0	..	40.0	..	39.8
	28	46.0	..	46.0	..	45.5	..	45.2	..	46.0	..	45.0
	29	48.5	..	48.2	..	49.2	..	47.8	..	47.0	..	46.2
	30	46.6	..	46.0	..	46.0	..	44.2	..	44.0	..	44.0
Hourly Means	50.07	..	49.36	..	49.39	..	48.56	..	48.00	..	47.95	..

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
78.8	80.9	78.5	77.3	75.4	69.3	73.9	81.3	77.7	72.9	77.1	78.3	76.84
77.8	75.5	69.7	63.8	68.1	68.6	65.9	70.8	72.0	71.5	72.1	72.0	73.83
71.7	69.8	66.3	64.5	64.4	71.1	68.6	69.0	69.8	70.3	70.0	72.6	69.65
—	—	—	—	—	—	—	—	—	—	—	—	69.03
70.9	66.3	62.7	61.6	63.3	64.5	66.3	64.5	66.2	66.9	67.3	68.1	67.10
70.7	68.4	59.6	59.4	59.4	59.4	59.7	66.6	66.3	66.0	65.7	62.3	73.95
76.0	76.5	73.8	71.6	70.6	69.7	69.3	71.6	73.1	79.2	80.7	82.7	83.88
87.5	86.6	85.6	79.2	74.1	78.2	81.6	83.5	87.6	88.0	82.2	85.1	84.25
83.5	78.7	74.6	81.9	78.9	81.3	84.4	86.8	85.9	85.8	85.7	86.1	81.13
81.0	77.4	76.3	74.4	78.1	74.0	75.6	79.8	80.7	81.1	81.2	80.4	82.10
—	—	—	—	—	—	—	—	—	—	—	—	80.05
88.5	85.1	80.6	75.9	77.9	78.0	77.0	74.2	78.8	76.2	82.6	82.7	66.40
83.1	79.0	83.9	79.8	81.1	73.3	76.0	60.1	65.5	77.0	78.3	75.4	68.21
69.8	67.2	66.7	56.7	61.0	57.0	57.5	63.9	65.2	66.1	65.4	63.6	76.70
72.8	70.7	67.7	66.7	61.6	65.4	67.9	69.5	69.6	69.7	69.3	68.9	75.70
80.4	81.8	79.6	75.5	73.5	73.9	75.2	77.0	77.7	78.2	77.5	76.9	63.59
79.8	75.2	74.6	73.8	72.3	72.6	71.5	70.3	71.6	73.3	73.8	74.5	74.62
—	—	—	—	—	—	—	—	—	—	—	—	79.06
53.5	59.3	58.9	57.9	56.3	59.9	60.6	63.6	64.2	66.2	68.0	68.9	79.55
79.0	76.5	71.8	68.5	70.4	72.5	75.2	76.7	78.4	79.4	80.6	80.1	78.04
82.4	79.0	74.9	70.4	71.2	71.8	74.9	78.1	79.8	79.9	79.7	80.3	83.62
91.2	81.8	80.8	76.4	76.0	72.5	72.6	71.4	73.0	65.5	69.8	73.1	87.84
84.0	82.1	81.2	78.0	81.6	77.2	76.6	79.5	70.1	81.3	76.4	67.2	90.84
87.0	85.7	84.3	82.5	82.1	82.5	80.1	85.5	86.1	86.9	85.3	83.9	85.39
—	—	—	—	—	—	—	—	—	—	—	—	85.75
92.8	91.5	90.7	86.1	86.2	86.0	85.8	85.7	86.6	85.4	87.3	87.1	86.09
96.3	96.1	95.2	91.7	89.5	87.7	86.4	79.1	89.0	88.8	88.8	86.4	—
88.0	88.6	86.0	84.6	83.9	83.2	83.7	83.1	82.1	82.9	83.6	83.9	—
90.2	89.0	87.8	87.8	84.5	85.5	83.8	85.3	84.1	84.8	84.8	80.4	—
95.2	93.6	92.0	85.2	—	78.1	75.8	79.3	83.7	81.5	82.1	78.0	—
81.23	79.32	77.07	74.28	73.66	73.58	74.07	75.24	76.34	77.11	77.51	76.88	77.71

TEMPERATURE OF THE BIFILAR MAGNET.

49.0	..	49.0	..	49.0	..	50.2	..	50.5	..	51.0	..	51.20
51.0	..	52.2	..	54.0	..	56.0	..	56.0	..	56.0	..	52.81
53.5	..	55.5	..	57.5	..	57.0	..	56.2	..	55.0	..	55.43
—	..	..	..	..	..	..	..	..	..	..	..	51.17
50.0	..	51.5	..	51.8	..	52.2	..	53.5	..	53.5	..	53.02
51.0	..	53.0	..	54.0	..	54.5	..	54.2	..	53.8	..	49.25
48.4	..	48.0	..	49.0	..	48.5	..	48.0	..	45.6	..	44.23
45.0	..	43.0	..	44.2	..	44.5	..	44.8	..	45.0	..	44.35
43.5	..	45.0	..	46.0	..	45.6	..	44.2	..	45.5	..	47.51
49.0	..	49.0	..	49.5	..	49.5	..	48.5	..	48.0	..	46.83
—	..	..	..	..	..	..	..	..	..	..	..	46.33
46.0	..	47.5	..	48.0	..	48.0	..	48.2	..	47.2	..	54.42
44.0	..	45.0	..	47.8	..	49.2	..	50.8	..	50.0	..	54.98
55.0	..	56.0	..	58.0	..	57.0	..	56.2	..	56.0	..	51.65
53.0	..	54.8	..	56.0	..	56.0	..	55.2	..	54.0	..	52.44
50.0	..	50.0	..	52.0	..	52.0	..	52.0	..	51.5	..	57.05
51.5	..	51.5	..	53.5	..	54.5	..	55.0	..	54.8	..	50.76
—	..	..	..	..	..	..	..	..	..	..	..	49.57
57.0	..	57.0	..	58.4	..	58.0	..	56.8	..	55.5	..	49.17
49.0	..	50.0	..	50.8	..	50.2	..	49.2	..	48.5	..	48.57
49.0	..	51.5	..	53.0	..	52.5	..	52.0	..	50.5	..	45.57
48.3	..	49.7	..	51.0	..	51.0	..	50.1	..	51.0	..	43.87
48.0	..	46.8	..	47.5	..	47.8	..	48.5	..	48.8	..	42.20
44.5	..	43.5	..	45.5	..	46.0	..	46.0	..	46.0	..	46.02
—	..	..	..	..	..	..	..	..	..	..	..	47.19
41.4	..	41.6	..	43.8	..	44.0	..	44.5	..	45.0	..	45.82
40.0	..	40.2	..	43.0	..	44.0	..	44.4	..	45.0	..	—
46.4	..	45.2	..	45.0	..	45.6	..	47.5	..	48.8	..	—
45.5	..	46.8	..	46.6	..	46.5	..	47.0	..	47.0	..	—
44.0	..	46.5	..	47.0 ^a	..	48.0	..	47.5	..	47.2	..	—
48.19	..	48.84	..	50.19	..	50.32	..	50.26	..	50.01	..	49.26

^a Omitted in the means.

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
JULY.	1	74.0	78.7	82.5	82.7	83.2	83.8	84.2	83.8	83.4	86.4	85.6	85.6
	2 ^a	52.7	55.0	54.4	—	—	—	—	—	—	—	—	—
	3 ^a	—	—	—	75.7	71.8	76.3	76.2	80.2	85.1	74.7	67.4	56.3
	4	43.2	46.6	59.9	47.0	63.7	57.2	55.4	51.1	54.0	55.0	58.3	61.6
	5	66.4	68.4	69.6	70.8	71.4	70.8	71.4	72.2	72.7	73.5	74.9	77.6
	6	76.0	75.6	76.7	77.4	77.1	79.6	82.7	83.0	84.7	85.2	87.5	88.3
	7	77.3	77.2	76.5	75.5	75.2	76.7	78.0	76.9	77.7	78.5	78.7	78.5
	8	75.4	75.4	75.1	74.4	74.1	74.3	74.2	76.6	—	78.5	80.1	81.9
	9	61.0	60.3	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	75.4	76.9	76.5	77.5	76.5	78.2	79.3	80.8
	11	75.2	72.0	76.7	76.9	75.8	76.8	77.5	76.7	79.4	79.0	80.4	80.1
	12	69.3	75.3	69.8	72.0	70.8	70.0	71.5	72.5	74.5	75.5	76.7	76.3
	13	—	80.2	79.2	76.7	78.1	79.3	80.4	81.5	84.1	84.6	83.5	84.5
	14	77.5	77.2	78.1	77.7	78.0	77.7	78.4	79.2	80.6	82.2	84.4	86.0
	15	78.5	78.5	78.5	79.5	78.6	79.8	81.5	82.4	83.2	84.8	86.5	86.9
	16	72.0	73.9	73.7	—	—	—	—	—	—	—	—	—
	17	—	—	—	81.3	82.0	82.2	80.9	81.6	83.0	85.1	86.0	86.5
	18	74.1	75.8	76.3	78.4	79.6	81.0	82.4	83.5	83.8	85.5	87.7	89.3
	19	79.1	78.0	75.7	75.1	77.0	79.5	79.7	79.5	80.6	80.2	81.5	83.3
	20	76.6	74.3	73.5	74.1	73.8	73.7	71.4	72.6	72.8	72.6	70.4	62.9
	21	62.4	60.7	60.7	60.3	63.1	62.9	63.7	65.1	66.6	68.1	69.8	—
	22	77.5	77.6	74.7	74.1	76.8	77.5	78.9	80.9	83.2	84.2	83.5	85.0
	23	80.4	83.1	79.7	—	—	—	—	—	—	—	—	—
	24	—	—	—	75.8	76.1	77.1	77.5	77.7	77.8	78.4	79.3	80.7
	25	82.6	82.3	85.1	82.5	83.2	84.2	86.6	87.7	88.2	89.2	89.3	88.4
	26	81.6	82.0	82.6	83.4	83.2	82.2	82.4	82.0	81.9	82.5	82.0	82.7
	27	76.0	70.5	70.2	73.7	74.6	75.4	76.0	79.2	80.7	82.4	84.1	84.5
	28	81.1	81.2	83.7	82.5	83.5	85.2	87.1	88.3	90.9	91.2	91.7	93.0
	29	86.0	90.9	89.0	88.5	89.0	89.1	88.8	88.7	90.8	92.4	93.5	94.7
	30	83.6	83.3	85.4	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	90.5	91.0	91.9	88.8	89.6	91.9	92.8	92.8
Hourly Means	74.45	75.16	76.37	75.66	77.35	77.76	78.36	78.76	80.03	81.00	81.90	83.00	

TEMPERATURE OF THE BIFILAR MAGNET.													
JULY.	1	47.2	..	46.5	..	46.2	..	45.8	..	45.5	..	45.0	..
	2 ^a	48.0	..	48.0	..	—	..	—	..	—	..	—	..
	3 ^a	—	..	—	..	53.0	..	53.2	..	53.4	..	53.5	..
	4	52.0	..	51.5	..	51.0	..	51.0	..	50.8	..	49.0	..
	5	48.8	..	48.6	..	48.0	..	47.5	..	47.2	..	47.0	..
	6	46.5	..	46.2	..	46.0	..	44.2	..	44.0	..	44.0	..
	7	47.6	..	47.6	..	48.4	..	48.2	..	47.8	..	47.6	..
	8	51.5	..	50.5	..	51.5	..	51.0	..	—	..	49.5	..
	9	55.2	..	—	..	—	..	—	..	—	..	—	..
	10	—	..	—	..	48.0	..	48.2	..	48.5	..	48.5	..
	11	48.0	..	47.0	..	47.8	..	47.5	..	47.4	..	47.2	..
	12	52.5	..	52.0	..	52.0	..	51.2	..	50.8	..	51.0	..
	13	—	..	49.0	..	48.5	..	48.0	..	48.0	..	48.0	..
	14	49.8	..	48.4	..	49.0	..	49.0	..	48.0	..	47.0	..
	15	49.2	..	48.8	..	49.0	..	47.8	..	47.5	..	47.0	..
	16	50.2	..	49.8	..	—	..	—	..	—	..	—	..
	17	—	..	—	..	48.0	..	48.0	..	47.2	..	46.2	..
	18	50.0	..	49.0	..	48.5	..	47.6	..	47.0	..	46.5	..
	19	49.0	..	48.0	..	49.0	..	48.8	..	47.8	..	47.5	..
	20	51.4	..	51.8	..	53.2	..	53.0	..	53.6	..	55.0	..
	21	60.0	..	59.5	..	59.0	..	59.0	..	58.0	..	57.2	..
	22	50.5	..	49.5	..	50.0	..	49.4	..	47.8	..	47.4	..
	23	50.5	..	50.0	..	—	..	—	..	—	..	—	..
	24	—	..	—	..	50.2	..	49.0	..	48.4	..	48.0	..
	25	47.0	..	46.0	..	45.7	..	45.0	..	43.5	..	43.0	..
	26	47.5	..	47.5	..	47.5	..	47.6	..	49.0	..	49.5	..
	27	50.2	..	49.6	..	50.0	..	49.2	..	49.0	..	48.2	..
	28	48.0	..	47.0	..	46.0	..	45.0	..	44.4	..	44.2	..
	29	44.2	..	44.2	..	44.6	..	44.2	..	44.0	..	44.0	..
	30	45.8	..	45.8	..	—	..	—	..	—	..	—	..
	31	—	..	—	..	43.5	..	43.0	..	42.2	..	42.0	..
Hourly Means	49.69	..	48.90	..	48.82	..	48.33	..	47.81	..	47.58	..	

^a Omitted in the means, being very irregular.

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 86.3	Sc. Div. 84.1	Sc. Div. 79.5	Sc. Div. 75.6	Sc. Div. 81.7	Sc. Div. 80.0	Sc. Div. 65.9	Sc. Div. 65.4	Sc. Div. 67.3	Sc. Div. 79.0	Sc. Div. 62.3	Sc. Div. 50.5	Sc. Div. 77.98
—	—	—	—	—	—	—	—	—	—	—	—	—
35.8	17.5	-3.4	3.2	5.9	26.2	20.1	38.1	—	75.7	36.8	64.3	—
63.9	62.7	60.3	58.5	57.0	60.6	60.6	65.5	65.1	65.0	57.4	61.6	57.97
78.0	74.1	71.3	66.6	69.1	75.3	71.8	74.3	68.3	72.6	79.4	78.9	72.47
88.0	74.5	76.4	74.3	71.9	74.2	76.6	63.9	71.5	75.6	77.7	78.9	78.22
78.1	75.7	71.7	67.4	67.2	68.5	—	70.6	73.2	73.9	74.7	75.0	74.90
80.5	77.5	74.4	68.0	63.6	63.0	66.7	55.2	63.6	62.3	63.2	64.0	71.39
—	—	—	—	—	—	—	—	—	—	—	—	—
80.1	78.3	71.9	68.9	70.5	72.2	75.4	78.1	71.8	76.5	77.0	77.4	74.57
78.5	72.3	67.0	65.2	68.1	68.4	69.4	73.0	74.6	73.7	73.5	71.1	74.22
73.2	72.8	71.9	66.0	69.7	71.7	74.3	76.4	78.0	77.9	78.5	77.9	73.44
85.4	85.4	81.9	75.2	75.2	75.4	76.3	77.2	77.8	77.0	76.4	77.2	79.67
86.4	84.8	81.6	76.8	76.6	75.3	72.1	72.6	75.1	76.0	74.8	78.0	78.63
86.5	86.1	82.6	79.0	77.4	67.9	73.5	75.4	75.3	75.9	76.4	70.9	79.40
—	—	—	—	—	—	—	—	—	—	—	—	—
86.2	85.8	—	81.9	79.9	78.7	76.6	78.3	78.7	77.5	76.4	75.2	80.15
90.0	88.8	84.7	76.9	72.1	76.4	77.1	79.0	76.1	73.7	80.3	79.2	80.49
83.9	82.3	81.0	75.1	74.3	75.7	75.3	76.3	71.8	68.4	75.6	75.0	77.66
69.8	66.0	63.0	59.1	59.3	59.0	60.5	60.4	62.4	63.0	63.4	62.8	67.39
73.7	71.9	71.2	69.9	69.4	71.5	73.2	76.6	76.5	77.1	78.9	76.4	69.12
83.0	83.4	81.0	76.7	76.4	78.0	—	74.6	71.7	76.2	77.0	77.2	78.66
—	—	—	—	—	—	—	—	—	—	—	—	—
79.2	75.2	71.3	68.1	69.2	72.5	75.0	82.0	82.7	82.7	82.9	77.8	77.59
86.4	85.0	83.5	82.9	82.1	82.3	83.2	84.9	83.8	81.9	83.2	81.9	84.60
81.8	77.6	76.3	72.6	74.6	74.6	76.8	77.0	76.0	70.5	67.1	83.6	79.04
86.4	82.9	78.6	75.5	76.5	78.4	79.8	81.5	83.9	83.8	84.1	83.6	79.26
91.4	89.9	86.3	86.8	87.5	85.0	85.3	86.6	87.3	89.0	85.3	84.8	86.86
92.9	85.1	75.5	79.6	79.2	75.6	78.5	82.4	85.6	86.3	87.3	83.1	86.35
—	—	—	—	—	—	—	—	—	—	—	—	—
94.0	89.7	84.2	66.3	66.0	64.0	71.8	68.3	—	79.1	76.1	69.1	82.28
82.54	79.68	76.13	72.52	72.58	72.97	73.73	74.22	74.92	75.78	75.56	74.84	76.89

TEMPERATURE OF THE BIFILAR MAGNET.

46.0	..	45.8	..	47.2	..	46.6	..	47.8	..	48.0	..	46.47
—	..	—	..	—	..	—	..	—	..	—	..	—
53.5	..	54.5	..	55.0	..	54.2	..	—	..	52.8	..	—
48.0	..	49.0	..	49.2	..	50.2	..	49.5	..	49.0	..	50.02
46.8	..	47.5	..	48.6	..	48.0	..	47.5	..	46.5	..	47.67
43.0	..	45.2	..	47.2	..	47.0	..	47.4	..	47.4	..	45.67
48.8	..	49.0	..	51.0	..	—	..	52.2	..	51.8	..	49.09
49.2	..	50.0	..	53.5	..	54.2	..	55.0	..	55.0	..	51.90
—	..	—	..	—	..	—	..	—	..	—	..	—
48.5	..	50.2	..	51.0	..	50.2	..	49.8	..	49.0	..	49.74
47.8	..	50.0	..	51.6	..	52.0	..	52.4	..	52.2	..	49.24
51.8	..	51.2	..	51.0	..	51.0	..	50.4	..	50.0	..	51.24
47.6	..	47.0	..	49.6	..	49.8	..	50.0	..	51.0	..	48.77
48.0	..	47.8	..	49.0	..	50.5	..	51.0	..	49.8	..	48.94
46.0	..	48.0	..	50.0	..	51.0	..	52.0	..	51.0	..	48.94
—	..	—	..	—	..	—	..	—	..	—	..	—
46.4	..	—	..	48.6	..	49.6	..	50.5	..	52.0	..	48.77
46.5	..	46.2	..	47.6	..	49.0	..	49.0	..	48.8	..	47.97
48.0	..	48.0	..	50.0	..	49.4	..	49.9	..	51.0	..	48.87
57.0	..	58.0	..	59.5	..	60.5	..	61.0	..	61.0	..	56.25
53.5	..	52.5	..	53.0	..	52.2	..	52.0	..	51.5	..	55.62
47.8	..	48.0	..	50.5	..	—	..	50.6	..	50.8	..	49.30
—	..	—	..	—	..	—	..	—	..	—	..	—
47.5	..	47.8	..	48.2	..	48.0	..	48.0	..	47.5	..	48.59
42.6	..	42.2	..	43.0	..	45.0	..	46.5	..	47.0	..	44.71
50.0	..	50.6	..	52.0	..	51.5	..	51.5	..	51.2	..	49.62
47.5	..	49.2	..	50.0	..	50.0	..	49.6	..	48.5	..	49.25
44.0	..	43.8	..	45.0	..	44.5	..	44.8	..	44.5	..	45.10
43.5	..	45.0	..	45.5	..	45.5	..	46.2	..	46.0	..	44.74
—	..	—	..	—	..	—	..	—	..	—	..	—
41.8	..	44.8	..	45.4	..	47.0	..	—	..	47.0	..	44.39
47.50	..	48.20	..	49.49	..	49.68	..	50.19	..	49.90	..	48.84

HORIZONTAL FORCE.													
One Scale Division = .000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .000234.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
AUGUST.	1	71.3	75.4	77.2	79.7	81.6	82.6	83.9	85.2	—	86.4	83.3	87.9
	2	78.5	79.3	79.2	79.4	78.7	81.4	82.0	83.2	84.2	84.8	85.1	84.8
	3	79.2	79.0	79.2	78.5	—	80.4	81.0	81.2	81.1	81.7	82.4	82.3
	4	78.2	78.0	78.3	77.7	78.6	81.7	83.1	84.3	85.0	85.8	87.7	89.1
	5	71.0	82.7	78.5	74.3	76.3	78.6	80.3	83.9	82.8	82.9	81.2	83.6
	6	75.4	77.3	77.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	75.7	78.2	77.4	77.3	79.4	81.0	83.2	84.2	82.9
	8	78.4	78.3	79.1	79.5	80.8	82.2	86.0	84.4	86.3	88.2	89.3	90.2
	9	78.5	77.7	76.3	75.9	77.4	78.5	79.0	80.5	82.4	83.1	84.3	85.4
	10	76.3	78.5	81.8	81.8	79.7	84.5	82.7	84.5	87.6	86.5	85.2	86.9
	11	78.7	78.0	80.8	82.6	83.9	85.0	85.0	85.4	87.5	90.2	92.5	91.2
	12	75.3	79.9	80.9	78.4	81.8	81.1	80.6	85.1	81.4	82.4	83.7	85.0
	13	79.0	79.4	78.6	—	—	—	—	—	—	—	—	—
	14	—	—	—	84.3	89.1	—	79.2	75.8	75.0	74.9	79.6	84.0
	15	76.2	75.7	80.9	75.6	76.0	77.0	77.6	78.2	79.1	79.3	79.3	79.3
	16	72.2	73.0	72.4	72.3	73.2	74.4	74.7	76.2	—	—	80.4	80.2
	17	70.7	73.5	76.8	77.6	84.1	86.3	87.6	89.5	90.2	91.2	92.4	92.5
	18	80.5	78.0	78.6	86.0	82.8	79.4	80.2	83.7	81.2	79.9	80.5	82.2
	19	77.2	78.3	80.1	76.1	81.0	74.2	78.2	87.9	83.9	83.4	78.4	85.5
	20	77.3	76.7	78.3	—	—	—	—	—	—	—	—	—
	21	—	—	—	84.0	83.9	84.1	84.7	85.7	88.1	84.1	84.7	81.4
	22	82.3	83.0	—	83.5	83.6	82.8	82.8	83.9	—	87.0	86.8	87.8
	23	72.6	84.0	78.9	76.3	77.1	78.4	80.3	82.9	83.0	84.2	84.7	85.5
	24	77.9	72.4	73.8	70.2	—	84.9	81.1	77.3	80.1	83.2	84.5	82.3
	25	77.0	77.1	76.9	77.5	86.7	83.2	78.4	78.1	80.4	83.1	85.5	84.1
	26	75.4	75.4	74.2	75.9	—	76.7	79.3	79.2	81.1	82.3	82.5	82.4
	27	67.7	67.4	70.2	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	88.8	87.4	87.5	87.1	88.6	89.8	91.2	91.1
	29	84.8	84.6	84.1	84.7	84.3	84.9	86.9	88.5	88.9	88.9	91.5	93.5
	30	82.8	82.3	81.9	82.5	82.2	83.5	85.5	87.0	—	91.7	91.7	93.4
	31	83.6	83.6	83.7	82.9	83.2	82.9	84.0	84.8	86.2	86.9	88.8	89.6
Hourly Means	76.96	78.09	78.37	78.96	81.37	81.29	81.81	83.07	83.70	84.81	85.24	86.08	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	46.6	..	46.0	..	45.5	..	45.4	..	—	..	44.0	..
	2	50.0	..	50.0	..	49.0	..	47.2	..	47.4	..	46.6	..
	3	51.0	..	50.2	..	—	..	50.0	..	49.8	..	49.4	..
	4	52.0	..	51.0	..	50.8	..	50.2	..	50.0	..	49.2	..
	5	48.0	..	47.8	..	48.0	..	47.0	..	46.5	..	46.5	..
	6	47.0	..	47.0	..	—	..	—	..	—	..	—	..
	7	—	..	—	..	48.0	..	47.8	..	47.0	..	46.0	..
	8	49.2	..	48.5	..	47.0	..	46.2	..	46.0	..	45.0	..
	9	50.8	..	50.0	..	50.0	..	48.0	..	47.0	..	46.8	..
	10	49.0	..	48.2	..	47.4	..	46.2	..	46.0	..	46.0	..
	11	45.5	..	45.5	..	46.0	..	45.5	..	45.0	..	44.5	..
	12	47.2	..	47.0	..	46.6	..	47.0	..	46.8	..	46.8	..
	13	51.5	..	50.6	..	—	..	—	..	—	..	—	..
	14	—	..	—	..	51.6	..	50.8	..	49.8	..	49.5	..
	15	52.0	..	51.6	..	52.0	..	52.0	..	51.8	..	51.5	..
	16	56.6	..	56.0	..	56.0	..	55.2	..	—	..	53.0	..
	17	50.5	..	49.0	..	47.2	..	46.0	..	45.5	..	45.0	..
	18	50.2	..	50.0	..	48.8	..	49.0	..	49.0	..	49.0	..
	19	49.4	..	48.6	..	48.0	..	47.2	..	46.0	..	45.2	..
	20	50.8	..	50.0	..	—	..	—	..	—	..	—	..
	21	—	..	—	..	48.0	..	47.5	..	46.5	..	46.0	..
	22	48.2	..	—	..	48.5	..	48.8	..	—	..	49.0	..
	23	50.8	..	50.5	..	51.0	..	50.0	..	50.0	..	50.0	..
	24	52.0	..	52.2	..	—	..	51.2	..	50.8	..	50.0	..
	25	53.5	..	52.8	..	52.2	..	51.5	..	50.0	..	49.0	..
	26	55.0	..	54.8	..	—	..	54.0	..	52.8	..	52.0	..
	27	58.5	..	58.0	..	—	..	—	..	—	..	—	..
	28	—	..	—	..	46.0	..	45.0	..	45.0	..	44.8	..
	29	49.6	..	49.2	..	49.0	..	48.0	..	47.4	..	46.8	..
	30	49.5	..	49.0	..	49.0	..	47.8	..	—	..	45.5	..
	31	50.6	..	50.4	..	50.8	..	50.4	..	49.6	..	49.5	..
Hourly Means	50.56	..	50.15	..	49.02	..	48.70	..	48.07	..	47.65	..	

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 89.7	Sc. Div. 88.2	Sc. Div. 84.6	Sc. Div. 84.2	Sc. Div. 80.8	Sc. Div. 82.3	Sc. Div. 80.3	Sc. Div. 77.8	Sc. Div. 78.1	Sc. Div. 80.1	Sc. Div. 79.7	Sc. Div. 79.2	Sc. Div. 81.72
83.7	82.2	78.8	76.6	75.8	74.4	73.8	75.6	76.6	77.2	77.5	78.6	79.64
82.9	81.4	79.0	73.6	74.6	74.6	73.6	74.0	74.9	75.7	76.3	77.0	78.42
91.4	86.4	71.7	68.5	75.4	72.5	73.1	77.7	78.3	77.1	72.4	69.6	79.23
83.6	77.9	78.5	77.6	74.2	69.5	68.2	66.4	68.4	78.1	76.1	—	77.16
—	—	—	—	—	—	—	—	—	—	—	—	—
80.3	76.4	—	60.9	63.6	—	77.4	78.6	78.8	77.6	79.7	79.7	77.36
82.8	79.6	74.5	72.5	73.0	74.5	72.5	77.5	76.1	75.6	74.9	76.0	79.67
85.5	84.0	82.4	78.9	76.3	76.7	77.7	77.1	80.0	80.0	80.4	78.4	79.85
88.6	86.4	83.4	83.1	78.6	78.8	77.0	78.2	81.6	84.0	84.2	84.1	82.67
93.6	90.7	87.4	82.5	82.8	80.1	85.1	85.3	87.7	87.5	67.4	64.9	83.99
84.8	82.1	79.5	73.8	74.3	74.0	75.6	76.6	74.7	77.5	78.0	78.6	79.38
—	—	—	—	—	—	—	—	—	—	—	—	—
80.6	78.4	78.9	76.0	75.6	76.2	75.8	77.0	78.2	78.9	78.9	75.8	78.66
78.4	76.1	71.2	60.6	63.4	63.1	66.4	68.3	69.8	70.4	70.0	71.8	73.49
78.9	75.2	70.0	69.7	70.2	66.5	69.2	70.9	72.7	69.8	73.4	70.9	73.02
92.1	89.5	85.9	81.0	77.0	66.5	72.1	75.8	71.5	78.4	81.1	76.6	81.66
84.2	82.4	81.8	77.7	76.5	68.3	73.7	78.4	71.1	73.1	76.1	78.6	78.95
83.2	81.9	81.6	77.5	75.6	74.1	74.5	77.2	75.6	75.3	76.2	77.2	78.92
—	—	—	—	—	—	—	—	—	—	—	—	—
85.7	83.7	81.3	76.0	77.4	80.8	80.9	81.1	83.4	85.3	84.5	84.2	82.39
88.8	82.9	74.8	68.0	71.1	76.3	76.8	81.3	79.4	79.0	69.3	73.1	80.19
86.1	83.8	80.7	77.2	74.6	73.4	76.0	78.6	80.1	80.3	81.2	81.3	80.05
80.4	76.4	66.6	68.5	68.4	68.2	68.5	69.2	72.8	72.5	74.2	73.8	75.10
82.0	79.0	75.3	69.3	67.8	65.5	70.6	71.3	75.1	76.4	76.6	76.2	77.21
78.0	76.2	71.5	67.2	68.0	69.0	66.5	63.6	66.0	54.8	69.1	67.9	73.14
—	—	—	—	—	—	—	—	—	—	—	—	—
91.1	88.9	86.1	79.1	79.8	80.0	81.8	82.3	81.3	83.3	84.4	85.0	83.47
93.8	92.4	86.6	82.0	77.5	78.7	80.0	80.5	81.2	81.0	82.0	82.3	85.15
94.6	93.4	87.4	81.0	—	80.9	82.2	82.5	83.5	83.6	82.9	83.2	85.44
88.4	81.6	80.0	74.4	73.7	72.7	72.2	74.1	73.8	77.5	76.6	77.2	80.93
85.67	82.86	79.21	74.72	74.08	73.75	74.87	76.18	76.69	77.41	77.15	76.97	79.53

TEMPERATURE OF THE BIFILAR MAGNET.

44.2	..	46.0	..	47.6	..	49.0	..	49.8	..	50.5	..	46.78
45.8	..	47.0	..	49.5	..	50.6	..	51.2	..	51.0	..	48.77
49.8	..	50.0	..	53.0	..	53.0	..	53.2	..	53.0	..	51.12
49.0	..	49.0	..	49.8	..	49.2	..	49.4	..	48.8	..	49.87
46.0	..	46.5	..	47.5	..	47.2	..	47.5	..	47.4	..	47.16
—	..	—	..	—	..	—	..	—	..	—	..	—
46.0	..	—	..	49.0	..	48.5	..	48.8	..	49.5	..	47.69
46.5	..	47.2	..	49.0	..	50.8	..	51.4	..	50.0	..	48.07
45.8	..	46.2	..	47.8	..	49.4	..	50.2	..	50.0	..	48.50
44.5	..	45.3	..	46.5	..	46.5	..	46.2	..	46.0	..	46.48
42.5	..	43.8	..	45.0	..	46.0	..	46.5	..	47.0	..	45.23
47.0	..	48.6	..	50.6	..	52.0	..	52.4	..	52.2	..	48.68
—	..	—	..	—	..	—	..	—	..	—	..	—
48.8	..	49.2	..	50.2	..	51.0	..	51.2	..	51.5	..	50.47
52.6	..	54.2	..	56.8	..	57.4	..	57.6	..	57.2	..	53.89
53.0	..	53.2	..	54.5	..	54.5	..	53.5	..	52.4	..	54.35
45.5	..	47.2	..	49.2	..	50.0	..	50.5	..	50.2	..	47.98
48.6	..	49.2	..	50.0	..	50.7	..	50.6	..	50.5	..	49.63
46.0	..	47.8	..	50.0	..	51.0	..	51.2	..	51.5	..	48.49
—	..	—	..	—	..	—	..	—	..	—	..	—
46.0	..	46.0	..	47.5	..	47.5	..	48.0	..	48.0	..	47.65
49.0	..	49.5	..	50.5	..	50.0	..	51.2	..	51.0	..	49.65
49.5	..	50.2	..	51.4	..	52.8	..	52.3	..	52.0	..	50.81
50.2	..	51.8	..	53.8	..	54.7	..	55.2	..	55.0	..	52.45
49.5	..	50.2	..	52.8	..	54.8	..	55.2	..	55.5	..	52.25
53.0	..	54.5	..	55.0	..	57.4	..	58.0	..	58.5	..	55.00
—	..	—	..	—	..	—	..	—	..	—	..	—
45.0	..	46.0	..	48.0	..	49.0	..	50.8	..	49.6	..	48.81
47.0	..	48.0	..	49.4	..	50.2	..	51.0	..	50.4	..	48.83
44.5	..	45.0	..	—	..	49.4	..	51.0	..	51.0	..	48.17
49.4	..	50.5	..	52.0	..	55.5	..	56.0	..	55.0	..	51.64
47.58	..	48.54	..	50.25	..	51.04	..	51.48	..	51.29	..	49.55

HORIZONTAL FORCE.													
One Scale Division = .000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .000234.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
SEPTEMBER.	1 ^a	78.8	76.8	77.5	77.0	—	—	—	83.9	82.7	83.5	84.9	
	2	65.8	73.5	71.0	88.0	78.6	69.1	71.1	74.1	73.3	75.6	77.2	
	3	68.9	71.6	73.2	—	—	—	—	—	—	—	—	
	4	—	—	—	81.0	82.8	83.6	84.1	84.9	83.7	85.1	87.2	85.4
	5	76.2	78.1	77.0	79.0	80.0	80.7	81.6	82.8	88.8	79.5	81.9	78.4
	6	73.0	76.5	74.5	82.8	—	76.6	76.2	78.0	79.5	80.2	82.2	82.2
	7	78.6	77.8	78.5	78.0	78.6	81.4	81.4	82.8	84.0	84.7	85.1	86.3
	8	73.7	79.9	74.3	73.8	74.3	75.5	76.6	77.5	77.8	78.5	79.5	81.0
	9	65.0	67.6	67.8	72.0	73.9	74.5	75.2	74.8	77.2	76.0	80.4	78.7
	10	70.7	72.9	74.2	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	81.2	80.0	79.4	79.8	80.8	84.1	84.5	86.1
	12	78.5	78.7	79.1	77.8	—	78.9	79.2	80.4	80.0	81.0	81.6	78.2
	13	71.4	72.5	75.2	74.5	77.1	74.4	75.1	76.3	79.3	78.7	77.4	71.3
	14	74.8	76.6	80.0	79.7	79.7	80.2	81.2	77.9	79.6	80.2	81.1	80.3
	15	73.5	72.6	75.5 ^b	74.1	75.8	78.5	78.2	77.2	—	78.0	78.0	77.3
	16	68.2	68.9	73.5	70.0	73.0	73.4	76.1	76.1	76.5	75.8	75.0	75.6
	17	60.7	66.7	68.3	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	74.5	74.0	75.1	75.2	75.1	77.9	78.1	74.6
	19	73.1	74.5	74.4	74.6	76.0	78.2	77.6	82.4	84.0	83.3	84.6	81.9
	20	68.9	76.1	73.5	81.2	74.1	69.8	71.1	71.5	—	79.6	77.8	77.7
	21	68.7	68.9	73.6	75.6	75.6	74.0	71.3	74.9	72.5	75.4	76.2	69.8
	22	59.6	61.6	68.7	65.2	64.7	62.9	67.7	77.0	69.5	67.2	65.5	60.0
	23	58.9	64.1	66.3	68.8	69.7	69.4	69.5	71.7	72.0	71.2	73.0	71.7
	24	66.6	66.6	68.3	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	81.7	80.6	82.3	83.8	84.0	85.8	86.8	86.2
	26	71.9	71.6	71.7	72.0	73.0	73.8	73.2	74.4	75.6	75.6	76.4	75.5
	27	67.8	67.6	67.8	52.5	69.1	70.7	70.6	74.0	74.1	74.7	73.9	72.7
	28	71.0	72.7	72.0	73.9	75.5	76.6	77.1	78.1	79.0	83.8	82.5	95.1
	29	58.4	68.3	72.4	68.6	80.3	73.3	76.4	74.4	—	78.2	75.8	73.6
	30	84.6	74.8	80.1	76.9	75.9	80.7	80.0	78.6	78.4	79.7	81.2	77.2
Hourly Means	70.28	72.21	73.32	74.65	75.87	75.63	76.29	77.54	78.63	78.94	79.48	78.37	

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1 ^a	55.0	..	54.0	..	—	..	—	..	52.0	..	51.6
	2	54.2	..	53.0	..	53.0	..	52.5	..	51.2	..	51.5
	3	53.2	..	53.0	..	—	..	—	..	—	..	—
	4	—	..	—	..	48.5	..	48.0	..	46.8	..	46.6
	5	51.0	..	50.5	..	49.7	..	49.2	..	48.4	..	48.0
	6	52.2	..	52.0	..	—	..	51.2	..	51.0	..	50.4
	7	52.2	..	52.5	..	52.0	..	51.0	..	50.0	..	49.0
	8	55.0	..	55.0	..	54.0	..	53.5	..	53.0	..	52.2
	9	57.0	..	55.5	..	54.2	..	54.0	..	52.2	..	51.8
	10	54.8	..	54.4	..	—	..	—	..	—	..	—
	11	—	..	—	..	52.0	..	51.5	..	51.5	..	51.6
	12	52.2	..	52.0	..	—	..	52.5	..	52.5	..	52.0
	13	53.8	..	53.8	..	54.0	..	53.0	..	52.4	..	52.0
	14	54.0	..	53.5	..	53.0	..	52.5	..	52.2	..	52.0
	15	55.2	..	—	..	54.0	..	53.8	..	—	..	52.8
	16	55.2	..	54.8	..	55.0	..	54.2	..	53.5	..	53.5
	17	57.0	..	56.0	..	—	..	—	..	—	..	—
	18	—	..	—	..	56.0	..	55.5	..	55.2	..	54.4
	19	55.8	..	54.8	..	54.8	..	53.8	..	53.0	..	52.4
	20	58.0	..	57.0	..	56.8	..	55.6	..	—	..	53.0
	21	57.8	..	57.0	..	56.2	..	56.0	..	55.2	..	56.0
	22	62.8	..	63.0	..	63.0	..	62.4	..	62.2	..	63.0
	23	61.0	..	60.0	..	59.2	..	57.2	..	56.0	..	55.8
	24	60.8	..	60.0	..	—	..	—	..	—	..	—
	25	—	..	—	..	52.2	..	52.0	..	52.0	..	52.0
	26	59.6	..	59.6	..	59.0	..	58.0	..	57.4	..	57.2
	27	61.8	..	61.0	..	60.0	..	58.5	..	57.5	..	57.0
	28	58.8	..	57.5	..	57.0	..	56.0	..	55.0	..	54.0
	29	58.0	..	55.4	..	56.0	..	54.6	..	—	..	53.0
	30	54.2	..	53.8	..	53.5	..	53.0	..	52.5	..	52.0
Hourly Means	56.15	..	55.56	..	54.92	..	53.98	..	53.16	..	52.88	..

^a Omitted in the daily means.

^b Omitted in the means, temperature not recorded.

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
82.6	77.5	73.9	70.8	69.9	73.8	77.9	78.4	60.5	61.7	56.4	53.0	—
70.9	63.4	62.2	63.3	67.5	—	61.9	68.5	69.2	70.7	68.9	71.7	70.93
—	—	—	—	—	—	—	—	—	—	—	—	80.18
86.5	86.7	85.9	82.3	81.8	77.3	74.3	75.1	71.4	77.2	77.9	76.4	77.62
81.2	80.5	80.3	73.4	71.5	73.3	73.3	71.7	72.6	77.1	73.0	71.1	77.63
81.6	80.3	77.8	74.5	71.7	74.3	75.8	77.8	77.2	77.3	77.5	78.0	79.16
84.3	81.2	77.2	75.1	—	74.1	76.2	75.6	76.5	77.0	73.5	72.8	73.46
78.6	74.2	71.4	66.9	67.1	68.2	67.9	69.0	68.5	69.3	70.6	68.9	73.04
73.0	75.0	72.2	69.8	69.9	74.0	75.2	75.0	71.5	71.9	70.8	70.7	78.66
—	—	—	—	—	—	—	—	—	—	—	—	75.90
83.3	84.0	79.4	75.1	75.5	74.5	74.9	75.2	75.4	77.4	79.0	81.8	73.52
82.1	84.4	74.4	66.3	68.5	65.7	67.0	75.9	77.7	73.7	73.3	63.3	75.11
72.5	75.3	71.0	64.6	73.5	71.1	63.0	73.6	74.4	73.8	73.3	75.3	72.43
76.1	72.9	68.3	66.0	65.5	69.9	71.3	73.6	71.3	75.0	68.5	72.9	69.05
77.3	71.0	69.0	68.2	69.5	71.6	73.4	70.2	67.0	61.6	64.5	67.0	70.07
73.2	66.7	65.0	64.2	63.8	65.4	65.2	62.2	63.3	63.5	61.0	61.5	72.48
—	—	—	—	—	—	—	—	—	—	—	—	69.63
72.4	71.0	66.0	64.5	67.4	67.5	69.9	63.9	65.0	65.9	67.2	70.7	67.98
76.9	68.9	57.5	64.8	62.7	69.2	69.4	68.3	69.0	68.7	59.1	60.4	62.34
72.0	56.2	63.4	67.1	65.3	66.9	69.2	56.7	57.3	67.0	66.3	72.9	67.24
71.4	61.9	58.8	62.6	64.1	66.3	61.4	65.1	63.6	56.5	62.5	60.9	75.64
56.0	53.3	50.0	57.9	58.3	61.5	57.5	57.3	57.3	63.4	79.5	54.5	70.34
68.7	66.9	65.2	65.1	64.4	66.1	65.7	63.5	64.1	65.0	66.4	66.3	68.17
—	—	—	—	—	—	—	—	—	—	—	—	73.35
82.6	77.1	73.2	71.0	70.9	71.0	72.0	70.5	69.5	68.3	69.5	71.5	72.54
63.2	68.7	65.7	65.5	67.3	69.5	70.3	68.9	67.0	65.4	65.8	66.3	76.09
71.0	67.4	64.6	56.8	62.7	64.8	64.0	67.1	68.4	70.4	71.7	71.8	—
76.2	72.0	69.5	66.8	67.3	71.8	59.9	69.7	77.0	72.4	60.8	59.7	—
72.0	70.1	68.4	67.8	70.4	71.0	74.9	75.1	72.3	73.4	75.4	78.0	—
77.0	73.0	69.5	67.6	72.7	70.6	73.6	75.0	75.0	76.2	73.5	74.4	—
75.48	72.29	69.22	67.61	68.37	69.98	69.43	70.11	69.31	69.99	69.46	68.91	72.92

TEMPERATURE OF THE BIFILAR MAGNET.

51.2	..	53.2	..	54.0	..	55.0	..	54.6	..	55.0	..	—
51.2	..	52.2	..	53.4	..	53.4	..	53.8	..	53.8	..	52.77
—	..	—	..	—	..	—	..	—	..	—	..	—
46.8	..	47.8	..	49.4	..	50.2	..	51.2	..	51.0	..	49.37
48.0	..	49.0	..	51.2	..	52.0	..	53.0	..	53.0	..	50.25
50.0	..	52.0	..	52.8	..	53.5	..	54.0	..	53.0	..	52.01
48.5	..	49.8	..	—	..	54.0	..	54.8	..	55.0	..	51.71
53.2	..	55.0	..	56.4	..	58.0	..	58.5	..	58.0	..	55.15
51.8	..	53.0	..	54.8	..	55.0	..	55.0	..	55.0	..	54.11
—	..	—	..	—	..	—	..	—	..	—	..	—
51.0	..	51.0	..	51.6	..	51.8	..	52.0	..	52.0	..	52.10
52.4	..	52.5	..	53.5	..	53.5	..	53.5	..	54.0	..	52.78
52.5	..	53.0	..	54.5	..	55.0	..	55.0	..	54.6	..	53.63
52.2	..	53.5	..	55.5	..	56.0	..	56.4	..	56.0	..	53.90
53.5	..	53.8	..	55.5	..	55.8	..	55.6	..	55.8	..	54.58
54.0	..	56.0	..	57.0	..	58.0	..	58.2	..	58.0	..	55.62
—	..	—	..	—	..	—	..	—	..	—	..	—
54.8	..	55.5	..	56.8	..	57.0	..	57.2	..	56.8	..	56.02
54.0	..	55.2	..	57.5	..	58.5	..	59.4	..	59.0	..	55.68
53.2	..	54.0	..	55.5	..	56.5	..	57.5	..	58.0	..	55.92
56.5	..	57.2	..	58.8	..	61.8	..	60.2	..	63.5	..	58.02
63.2	..	64.0	..	63.0	..	63.2	..	63.0	..	62.0	..	62.90
55.8	..	57.0	..	59.0	..	61.6	..	62.6	..	61.8	..	58.92
—	..	—	..	—	..	—	..	—	..	—	..	—
53.0	..	56.0	..	58.6	..	60.0	..	60.6	..	60.5	..	56.47
57.5	..	59.0	..	60.4	..	61.8	..	62.2	..	62.4	..	59.51
57.8	..	58.8	..	60.4	..	60.8	..	61.2	..	60.0	..	59.57
53.2	..	54.0	..	56.0	..	57.2	..	58.6	..	58.6	..	56.32
52.8	..	53.0	..	54.8	..	55.2	..	55.6	..	55.2	..	54.87
52.4	..	53.2	..	55.0	..	57.2	..	56.4	..	55.0	..	54.02
53.10	..	54.18	..	55.82	..	56.62	..	56.93	..	56.81	..	55.03

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	76.5	78.6	78.7	—	—	—	—	—	—	—	—
	2	—	—	—	83.6	84.5	84.6	88.0	84.7	86.7	87.9	86.3
	3	80.3	80.2	80.8	81.3	79.8	82.7	85.6	84.2	85.5	86.5	82.6
	4	72.5	—	74.3	80.2	78.2	78.7	79.4	80.1	80.6	80.0	77.3
	5	77.0	79.9	77.8	77.2	80.9	82.5	77.7	80.2	83.6	85.0	82.8
	6	70.2	74.8	79.3	73.9	75.7	—	81.7	82.9	85.7	86.5	85.8
	7	76.3	78.2	84.1	90.8	84.9	84.8	87.7	90.8	91.6	92.2	93.8
	8	77.2	—	81.4	—	—	—	—	—	—	—	—
	9	—	—	—	—	85.0	84.5	83.5	83.4	83.8	85.9	82.7
	10	77.1	75.5	77.9	77.3	68.0	78.9	79.4	80.3	—	—	78.8
	11	76.6	77.0	78.2	77.6	77.1	77.5	78.3	79.3	81.7	83.1	81.5
	12	72.2	72.7	73.6	74.7	75.9	75.9	75.8	77.4	80.4	82.1	81.6
	13	78.4	80.0	75.5	76.5	84.6	77.4	78.0	83.9	—	89.7	88.2
	14	86.9	85.1	83.8	86.4	89.6	77.9	79.2	80.6	—	86.9	85.0
	15	83.8	81.4	82.0	—	—	—	—	—	—	—	—
	16	—	—	—	—	82.7	80.4	84.6	84.2	90.5	88.4	84.4
	17	84.5	85.5	88.8	88.5	87.0	87.8	90.9	95.4	88.4	82.7	85.6
	18	87.6	88.2	92.6	92.6	88.4	86.2	88.7	89.4	88.6	95.5	90.3
	19	82.2	90.7	91.3	85.5	85.3	85.2	85.8	90.1	91.4	90.6	84.8
	20	78.4	88.4	83.2	81.7	83.9	85.9	85.0	87.3	87.0	88.0	88.5
	21	90.1	87.9	92.7	92.8	89.5	88.3	89.7	90.2	90.3	87.4	85.0
	22	85.5	85.6	87.6	—	—	—	—	—	—	—	—
	23	—	—	—	77.6	79.5	81.2	90.8	89.4	83.8	80.6	77.8
	24	77.8	79.4	77.3	82.0	—	80.1	80.7	80.9	81.9	81.9	81.0
	25	80.0	79.4	79.3	79.0	85.4	81.7	80.1	81.5	77.7	82.7	81.5
	26	74.5	73.4	75.8	78.9	79.6	75.4	81.9	85.1	84.8	81.2	84.3
	27	74.1	71.9	75.8	74.6	69.2	74.2	77.4	80.4	87.4	87.5	85.3
	28	75.0	74.4	81.8	77.2	78.8	78.5	78.9	82.0	83.3	84.8	84.3
	29	77.3	76.2	72.5	—	—	—	—	—	—	—	—
	30	—	—	—	74.6	75.7	76.1	76.3	78.4	78.6	78.9	77.0
	31	70.7	70.5	71.7	71.7	76.3	77.3	74.0	74.2	75.8	76.0	73.7
Hourly Means	78.56	79.79	80.68	80.67	81.02	80.95	82.27	83.70	84.74	85.28	83.46	
TEMPERATURE OF THE BIFILAR MAGNET.												
OCTOBER.	1	53.8	..	53.0	..	..	..	..	..	..	..	..
	2	—	..	—	..	49.2	..	48.6	..	47.8	..	48.0
	3	52.2	..	52.0	..	51.8	..	50.8	..	50.0	..	50.0
	4	56.8	..	56.8	..	56.0	..	55.5	..	54.8	..	56.2
	5	56.2	..	56.0	..	55.0	..	54.0	..	54.0	..	54.5
	6	57.6	..	56.2	..	55.2	..	54.2	..	52.0	..	51.5
	7	51.6	..	51.0	..	50.0	..	48.3	..	47.6	..	47.0
	8	53.0	..	53.2	..	—	..	—	..	—	..	—
	9	—	..	—	..	51.5	..	51.6	..	51.0	..	50.4
	10	57.4	..	56.8	..	56.2	..	55.0	..	—	..	53.4
	11	57.0	..	56.5	..	56.4	..	55.8	..	54.8	..	54.2
	12	59.0	..	58.4	..	57.4	..	57.0	..	56.0	..	55.0
	13	56.6	..	54.8	..	54.0	..	52.0	..	—	..	50.4
	14	50.0	..	49.4	..	49.0	..	48.4	..	—	..	48.2
	15	51.8	..	51.2	..	—	..	—	..	—	..	—
	16	—	..	—	..	51.2	..	51.0	..	50.6	..	50.2
	17	49.6	..	48.8	..	48.5	..	48.0	..	47.3	..	46.8
	18	50.2	..	49.4	..	48.4	..	47.2	..	46.8	..	46.0
	19	51.0	..	50.0	..	50.0	..	49.0	..	48.4	..	48.5
	20	53.5	..	52.5	..	52.0	..	50.4	..	50.8	..	50.2
	21	48.8	..	48.8	..	49.0	..	48.4	..	48.0	..	47.0
	22	49.4	..	49.4	..	—	..	—	..	—	..	—
	23	—	..	—	..	53.2	..	53.0	..	52.4	..	52.2
	24	54.0	..	53.6	..	—	..	53.2	..	53.8	..	53.0
	25	55.2	..	55.0	..	55.0	..	54.5	..	54.0	..	53.6
	26	56.5	..	55.5	..	54.2	..	53.2	..	52.0	..	51.8
	27	54.8	..	53.6	..	53.0	..	51.5	..	50.8	..	49.5
	28	55.2	..	54.6	..	54.0	..	53.0	..	52.0	..	51.2
	29	57.2	..	57.0	..	—	..	—	..	—	..	—
	30	—	..	—	..	57.2	..	57.0	..	56.2	..	55.8
	31	60.0	..	59.8	..	59.2	..	57.8	..	56.6	..	56.2
Hourly Means	54.17	..	53.59	..	53.06	..	52.25	..	51.64	..	51.18	

HORIZONTAL FORCE.

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

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
79.4	77.9	77.3	76.1	81.5	80.7	81.8	78.2	78.3	79.6	79.7	80.9	81.48
77.3	73.6	74.5	77.9	78.2	80.2	82.1	80.3	80.1	81.6	77.3	69.7	80.12
65.2	60.2	56.3	61.2	68.6	73.6	76.5	74.7	73.0	74.0	70.4	76.6	73.22
72.3	65.0	63.0	66.0	70.4	74.8	77.8	75.3	73.8	73.5	71.9	69.6	75.65
79.7	78.4	75.8	78.6	82.1	85.8	83.4	82.2	83.0	77.8	79.8	84.2	80.60
87.2	83.3	78.4	77.8	84.5	83.0	87.3	82.8	80.0	78.8	84.7	81.2	84.83
76.4	73.5	73.6	76.4	78.6	80.4	79.9	79.8	77.5	75.9	75.1	75.6	79.49
73.7	72.0	69.7	65.9	69.6	74.0	75.5	75.9	76.2	74.3	75.4	75.5	74.82
73.2	68.3	65.7	68.0	71.2	74.9	77.2	75.3	74.3	73.5	73.2	73.7	75.61
75.0	71.4	69.1	69.3	73.2	76.6	77.7	76.8	76.7	77.5	78.6	79.6	75.97
83.5	79.4	75.3	75.0	71.8	76.0	82.3	89.0	83.0	87.4	83.5	85.8	81.33
81.3	77.2	74.3	76.9	81.1	85.0	85.9	85.4	83.3	80.8	80.4	80.7	82.37
73.6	71.5	69.2	71.3	76.7	81.7	84.4	84.5	84.7	81.7	84.5	86.7	81.37
78.5	74.7	71.4	76.0	81.8	87.5	88.7	87.9	83.9	86.5	83.0	87.5	84.73
81.1	76.2	72.1	71.3	71.7	74.8	79.5	82.4	71.8	81.7	84.0	83.1	83.59
79.3	73.6	73.1	70.5	72.0	71.2	76.0	74.5	75.5	79.0	79.4	80.1	81.21
80.0	79.1	79.1	80.3	85.5	87.6	85.2	84.4	86.7	87.4	88.3	89.6	84.80
81.1	78.9	77.5	77.7	79.8	83.1	86.6	88.3	88.0	88.4	86.5	85.5	86.32
73.5	60.0	68.0	72.0	78.2	74.5	80.2	84.0	79.0	76.9	79.5	85.9	79.45
74.6	71.8	71.8	75.2	75.0	79.4	81.7	80.5	81.3	80.1	79.6	80.7	78.83
73.3	69.3	68.8	68.2	71.1	—	80.3	78.9	79.0	78.6	74.6	72.5	77.42
81.0	76.2	71.9	70.0	70.5	71.2	78.2	74.4	79.0	76.8	75.6	77.1	77.54
80.9	74.7	79.1	74.2	77.6	80.6	81.6	79.8	71.5	76.8	75.2	75.1	77.85
78.7	73.4	69.3	71.1	73.1	77.6	78.8	77.5	76.9	76.6	77.7	77.1	77.80
62.5	58.4	60.9	64.5	66.6	63.1	65.9	65.0	66.6	69.1	71.1	72.3	70.78
65.6	63.5	62.2	64.6	66.9	70.9	71.9	69.7	69.0	71.0	71.3	71.0	79.80
76.46	72.36	71.05	72.15	75.28	77.93	80.25	79.52	78.16	78.66	78.47	79.13	79.14

TEMPERATURE OF THE BIFILAR MAGNET.

49.6	..	51.2	..	52.6	..	52.6	..	53.0	..	53.0	..	51.03
51.6	..	52.4	..	54.3	..	55.5	..	57.0	..	56.8	..	52.87
58.8	..	61.2	..	61.0	..	59.0	..	59.4	..	57.8	..	57.77
56.5	..	57.0	..	58.8	..	60.4	..	60.0	..	59.0	..	55.95
51.8	..	52.4	..	53.6	..	53.0	..	53.0	..	52.6	..	54.42
47.4	..	50.2	..	52.3	..	53.0	..	53.5	..	53.4	..	50.44
51.0	..	52.2	..	54.2	..	55.8	..	58.0	..	58.0	..	53.32
54.2	..	56.5	..	58.4	..	59.0	..	59.2	..	58.0	..	56.74
55.5	..	56.5	..	58.4	..	59.2	..	60.0	..	59.8	..	57.01
55.2	..	56.0	..	57.4	..	58.0	..	58.0	..	56.8	..	57.02
50.0	..	50.0	..	52.4	..	52.2	..	52.2	..	51.0	..	52.33
49.2	..	51.4	..	52.6	..	52.6	..	52.8	..	52.2	..	50.53
50.0	..	51.0	..	51.5	..	51.0	..	51.0	..	50.6	..	50.92
47.2	..	49.5	..	51.6	..	51.8	..	51.6	..	51.0	..	49.31
47.2	..	49.6	..	51.6	..	52.2	..	52.8	..	52.0	..	49.45
51.0	..	53.0	..	54.8	..	55.6	..	55.2	..	54.8	..	51.77
47.0	..	47.5	..	47.2	..	48.2	..	48.8	..	49.0	..	49.76
47.0	..	47.6	..	49.2	..	49.6	..	49.2	..	50.2	..	48.57
52.5	..	53.0	..	54.0	..	54.2	..	54.0	..	54.0	..	52.61
53.4	..	53.4	..	54.0	..	54.5	..	55.5	..	55.2	..	53.96
53.8	..	53.8	..	56.2	..	57.0	..	57.6	..	57.2	..	55.24
52.5	..	53.0	..	55.2	..	55.6	..	56.0	..	56.0	..	54.29
50.0	..	51.2	..	53.8	..	55.4	..	56.4	..	56.2	..	53.02
51.8	..	53.8	..	55.4	..	56.2	..	56.8	..	57.0	..	54.25
56.8	..	58.8	..	60.8	..	61.2	..	61.2	..	61.4	..	58.38
57.6	..	59.2	..	61.0	..	62.0	..	62.0	..	61.4	..	59.40
51.87	..	53.13	..	54.70	..	55.18	..	55.55	..	55.17	..	53.48

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
NOVEMBER.	1	71.0	72.0	72.0	73.0	74.0	75.0	75.6	77.0	79.4	78.5	75.5	72.8
	2	67.5	69.0	68.2	73.2	69.9	72.8	74.2	75.9	76.9	72.8	77.6	75.2
	3	72.7	75.9	75.8	74.4	76.2	72.4	82.6	81.8	—	77.1	71.2	71.5
	4	71.2	70.6	70.9	70.3	70.0	71.3	72.9	74.7	77.7	78.7	78.0	75.2
	5	75.4	73.4	75.4	—	—	—	—	—	—	—	—	—
	6	—	—	—	76.0	76.0	76.8	77.1	78.0	79.5	80.2	81.3	79.7
	7	77.8	78.1	79.7	78.5	80.1	81.8	84.1	83.8	—	87.5	86.7	83.4
	8	77.8	78.1	78.7	79.7	79.2	79.8	80.0	80.7	82.7	83.5	82.6	79.9
	9	64.5	69.8	70.1	69.5	69.8	72.4	71.9	70.6	—	73.9	72.1	69.8
	10	66.4	57.8	58.0	65.3	73.2	74.1	74.2	71.4	65.2	62.7	67.0	61.9
	11	64.1	72.8	64.9	64.1	64.6	68.0	68.5	68.7	69.6	69.2	67.7	62.3
	12	66.2	68.2	68.6	—	—	—	—	—	—	—	—	—
	13	—	—	—	85.7	73.3	73.1	72.9	76.9	—	75.5	70.7	66.6
	14	71.9	73.6	73.5	71.0	72.0	73.9	74.5	74.1	76.8	78.0	76.2	73.3
	15	70.0	71.2	69.6	70.6	71.8	72.3	74.0	75.6	77.3	78.7	77.3	71.9
	16	56.4	55.5	61.3	58.0	61.3	66.0	69.0	71.7	76.8	72.3	68.5	60.8
	17	74.0	76.0	74.8	75.0	76.4	77.3	76.3	79.1	—	83.2	79.6	75.7
	18 ^a	81.3	—	82.5	82.5	82.7	84.2	86.9	88.2	—	—	—	81.2
	19	80.6	82.0	80.6	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	81.5	83.9	79.9	80.9	79.4	81.7	82.7	79.7
	21	79.7	78.7	90.6	83.1	78.6	80.5	80.7	78.4	81.4	77.7	80.8	67.8
	22	51.2	53.3	53.4	52.6	55.6	53.2	55.1	59.7	60.8	64.5	61.0	59.1
	23	50.5	55.1	56.7	59.8	64.5	62.4	59.2	57.7	—	63.6	63.5	61.3
	24	74.2	73.3	74.9	73.3	78.1	81.7	69.8	71.5	71.4	73.1	74.0	74.0
	25	78.3	80.8	79.8	79.4	80.1	81.8	83.4	82.1	82.3	81.4	78.4	75.2
	26	82.2	81.7	82.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	76.3	76.0	76.6	77.6	78.2	78.2	75.9	73.4	71.5
	28	72.2	71.3	70.1	73.0	73.7	74.7	76.2	76.7	76.8	75.7	73.1	69.9
	29	65.5	67.9	63.1	66.0	68.4	69.8	69.6	68.1	68.5	66.8	65.0	62.6
	30	59.8	62.9	61.7	56.3	55.4	57.8	57.2	58.3	58.8	57.3	56.4	51.6
	Hourly Means	70.09	70.76	71.43	71.46	72.40	73.60	73.98	74.61	— ^b	74.78	73.61	70.53

TEMPERATURE OF THE BIPILAR MAGNET.												
NOVEMBER.	1	60.2	..	59.2	..	58.6	..	57.4	..	56.5	..	56.2
	2	59.6	..	59.2	..	58.5	..	57.8	..	56.5	..	56.0
	3	59.2	..	58.6	..	58.5	..	57.0	..	—	..	56.0
	4	61.2	..	60.2	..	60.0	..	58.8	..	57.2	..	57.0
	5	58.6	..	57.6	..	—	..	—	..	—	..	—
	6	—	..	—	..	58.0	..	57.0	..	56.8	..	56.8
	7	57.0	..	56.0	..	55.4	..	53.6	..	—	..	52.2
	8	57.8	..	56.8	..	56.4	..	55.6	..	55.0	..	55.0
	9	64.2	..	63.0	..	62.5	..	62.5	..	—	..	62.8
	10	61.2	..	61.0	..	60.0	..	58.6	..	57.4	..	58.0
	11	63.0	..	62.0	..	62.2	..	60.2	..	59.5	..	59.2
	12	61.2	..	60.0	..	—	..	—	..	—	..	—
	13	—	..	—	..	59.4	..	58.0	..	—	..	57.0
	14	61.0	..	60.2	..	59.6	..	58.2	..	57.5	..	57.0
	15	61.6	..	61.0	..	60.0	..	59.0	..	57.8	..	58.0
	16	67.0	..	65.0	..	63.6	..	61.6	..	60.0	..	59.5
	17	58.2	..	57.0	..	55.8	..	55.2	..	—	..	53.0
	18 ^a	53.8	..	52.0	..	52.0	..	51.2	..	—	..	—
	19	57.0	..	56.2	..	—	..	—	..	—	..	—
	20	—	..	—	..	54.0	..	54.0	..	54.0	..	53.2
	21	56.2	..	55.2	..	55.2	..	54.8	..	54.2	..	54.6
	22	66.0	..	64.8	..	64.6	..	63.0	..	62.8	..	61.8
	23	66.6	..	65.0	..	64.0	..	62.2	..	—	..	60.0
	24	58.2	..	58.0	..	58.0	..	57.2	..	57.0	..	56.4
	25	54.0	..	53.0	..	52.4	..	51.4	..	50.8	..	51.2
	26	55.6	..	54.8	..	—	..	—	..	—	..	—
	27	—	..	—	..	59.0	..	58.0	..	57.4	..	57.0
	28	62.5	..	61.4	..	61.0	..	60.2	..	59.5	..	59.0
	29	67.4	..	66.2	..	65.2	..	64.8	..	65.0	..	64.2
	30	71.6	..	70.8	..	68.5	..	67.0	..	66.0	..	65.2
	Hourly Means	60.77	..	59.78	..	59.32	..	58.24	..	— ^b	..	57.45

^a Omitted in daily means.

^b Omitted in hourly means on account of the number of omissions.

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div. 67.8	Sc. Div. 64.7	Sc. Div. 64.2	Sc. Div. 70.1	Sc. Div. 74.9	Sc. Div. 78.0	Sc. Div. 76.4	Sc. Div. 75.1	Sc. Div. 69.0	Sc. Div. 69.7	Sc. Div. 70.1	Sc. Div. 68.8	Sc. Div. 72.69
68.5	64.8	64.4	65.8	66.8	69.6	69.8	69.8	73.3	68.2	68.7	68.5	70.47
66.5	65.4	62.3	61.7	62.1	66.8	65.4	67.5	69.0	70.4	72.6	69.8	70.92
71.4	67.6	64.8	62.5	66.8	69.5	70.1	72.9	72.5	71.5	73.1	74.6	71.62
—	—	—	—	—	—	—	—	—	—	—	—	75.82
76.0	71.1	68.0	67.5	69.0	73.9	76.4	78.3	77.1	77.0	77.9	78.6	78.43
77.0	76.8	67.1	66.4	75.6	76.0	76.9	77.9	77.0	77.4	77.1	77.2	75.91
75.5	69.6	70.3	69.6	71.8	73.1	73.0	71.6	71.9	72.3	70.7	69.8	66.83
65.1	58.3	59.2	63.6	63.0	57.8	65.3	69.6	67.0	69.3	65.6	58.9	63.73
56.4	54.5	55.2	59.8	62.1	67.3	62.8	61.4	63.2	60.2	66.5	62.9	64.20
61.2	60.5	57.7	58.0	58.0	61.5	59.9	62.6	64.1	61.4	63.7	67.6	71.90
—	—	—	—	—	—	—	—	—	—	—	—	72.84
64.0	63.4	63.1	65.8	—	78.1	77.1	78.2	71.8	74.8	75.4	72.5	64.77
70.6	68.4	69.6	72.8	76.8	77.5	74.6	71.6	69.8	69.0	69.2	69.5	65.38
65.1	60.9	52.2	51.4	53.7	56.8	58.4	57.0	55.0	52.8	56.2	54.8	75.28
61.1	57.6	60.5	60.9	63.3	65.6	70.2	72.6	69.8	66.8	70.3	72.9	—
69.6	62.6	61.7	66.4	73.5	76.0	78.3	79.2	79.0	78.7	78.8	80.3	78.45
75.4	71.9	67.5	67.4	77.4	79.9	83.9	88.2	81.0	80.3	80.4	80.3	64.57
—	—	—	—	—	—	—	—	—	—	—	—	56.24
77.0	72.1	68.6	71.6	72.5	76.5	80.1	73.7	81.1	81.4	78.9	78.0	62.74
62.8	43.9	42.0	43.1	37.5	52.3	63.0	56.2	46.1	44.2	52.9	47.8	73.35
57.1	52.9	52.5	54.6	54.9	54.0	53.9	60.1	60.2	56.1	58.1	56.0	78.78
59.9	54.5	53.9	58.5	63.7	67.0	71.7	71.6	72.1	72.7	70.0	73.1	74.09
67.8	60.8	60.1	62.4	67.2	75.7	80.4	77.6	78.4	79.1	80.2	81.5	69.56
70.6	67.6	70.4	74.4	79.0 ^c	82.3	80.9	79.6	79.1	80.0	82.8	81.2	63.58
—	—	—	—	—	—	—	—	—	—	—	—	58.15
69.0	65.9	68.3	72.3	73.2	73.0	72.4	71.3	69.9	68.7	72.1	72.3	69.77
64.1	61.0	62.1	67.9	69.6	71.1	67.3	68.2	66.9	64.5	54.2	69.1	—
60.2	63.5	59.7	64.5	65.0	65.7	60.8	57.0	55.2	55.9	57.3	59.8	—
47.0	49.7	54.0	58.3	62.5	62.5	61.7	58.2	59.0	60.5	62.9	65.7	—
66.41	62.69	61.51	63.74	65.87	69.52	70.41	70.27	69.17	68.57	69.45	69.67	69.77

TEMPERATURE OF THE BIFILAR MAGNET.

57.0	..	59.0	..	62.0	..	62.2	..	61.6	..	60.4	..	59.19
56.8	..	58.0	..	60.0	..	60.5	..	61.2	..	60.0	..	58.67
56.2	..	57.2	..	60.5	..	61.0	..	61.5	..	61.5	..	58.84
57.0	..	58.0	..	59.6	..	60.2	..	59.6	..	59.2	..	59.00
—	..	—	..	—	..	—	..	—	..	—	..	58.13
57.4	..	58.0	..	60.0	..	60.0	..	59.2	..	58.2	..	55.84
54.0	..	55.0	..	57.0	..	57.8	..	58.2	..	58.0	..	58.87
56.4	..	58.0	..	61.0	..	63.8	..	65.2	..	65.4	..	63.73
63.0	..	63.0	..	65.0	..	65.8	..	65.2	..	64.0	..	60.73
59.0	..	60.2	..	62.4	..	63.0	..	64.0	..	64.0	..	62.11
60.0	..	61.8	..	64.6	..	64.8	..	64.6	..	63.4	..	58.76
—	..	—	..	—	..	—	..	—	..	—	..	59.52
57.0	..	57.0	..	—	..	58.2	..	59.0	..	60.8	..	63.32
57.0	..	58.4	..	59.6	..	60.8	..	62.4	..	62.6	..	61.71
60.4	..	64.8	..	68.0	..	70.0	..	70.2	..	69.0	..	55.47
60.0	..	60.0	..	61.6	..	61.6	..	60.6	..	60.0	..	—
54.0	..	54.4	..	55.4	..	56.4	..	55.8	..	55.0	..	55.32
51.4	..	52.8	..	55.2	..	57.0	..	57.5	..	57.8	..	58.47
—	..	—	..	—	..	—	..	—	..	—	..	64.73
53.4	..	54.5	..	56.4	..	57.0	..	57.2	..	57.0	..	61.17
56.2	..	58.0	..	61.2	..	64.0	..	65.6	..	66.4	..	56.48
62.0	..	63.2	..	65.6	..	67.0	..	68.0	..	68.0	..	53.30
59.8	..	59.2	..	59.5	..	59.0	..	58.4	..	59.2	..	59.55
55.8	..	56.5	..	56.0	..	55.2	..	55.0	..	54.5	..	62.64
52.5	..	53.0	..	—	..	55.0	..	56.0	..	57.0	..	68.33
—	..	—	..	—	..	—	..	—	..	—	..	68.29
58.0	..	60.0	..	63.0	..	64.0	..	64.6	..	63.2	..	—
59.5	..	61.0	..	64.4	..	66.4	..	68.0	..	68.8	..	—
65.0	..	67.6	..	72.5	..	74.8	..	74.8	..	72.5	..	—
67.0	..	68.0	..	70.0	..	69.2	..	68.6	..	67.6	..	—
57.92	..	59.10	..	61.69	..	62.10	..	62.38	..	62.06	..	57.76

^c Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.													
One Scale Division = .000120 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = .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 .	
DECEMBER.	1	71.1	71.7	76.9	72.9	70.2	73.1	73.2	73.6	75.7	72.9	71.3	
	2	81.2	81.7	79.1	80.2	81.5	80.8	79.1	80.3	82.5	81.2	79.2	
	3	76.7	76.9	78.3	—	—	—	—	—	—	—	—	
	4	—	—	—	78.2	79.5	81.2	80.4	82.1	83.7	83.5	82.8	79.6
	5	83.0	83.7	83.4	85.6	86.3	87.5	86.3	87.8	90.8	91.2	90.2	85.8
	6	78.8	73.5	72.3	74.4	77.0	76.8	76.7	77.4	77.0	76.1	76.4	77.5
	7	79.5	80.8	84.1	82.4	78.9	78.5	78.2	80.9	76.6	76.8	74.8	77.8
	8	82.6	77.4	76.0	75.1	75.6	79.6	77.2	76.7	73.9	79.2	77.6	76.4
	9	73.9	84.3	76.5	75.4	74.1	78.4	77.1	78.8	71.6	57.6	54.9	59.0
	10	64.6	65.7	67.6	—	—	—	—	—	—	—	—	—
	11	—	—	—	64.5	64.5	63.6	—	66.3	66.3	67.5	67.2	66.6
	12	69.9	70.0	68.5	70.3	75.5	76.2	77.8	79.9	79.9	81.2	80.7	78.0
	13	79.7	80.3	80.1	82.0	82.3	84.2	88.7	85.7	—	83.8	80.7	81.5
	14	73.1	73.2	73.1	72.7	73.3	74.3	75.6	75.8	76.9	75.5	74.3	72.2
	15	68.3	70.1	70.6	70.9	73.2	72.1	71.9	71.3	71.3	71.3	72.5	72.3
	16	68.0	68.4	68.5	68.0	69.1	69.2	69.6	70.4	71.7	73.8	72.5	69.2
	17	66.6	67.0	67.7	—	—	—	—	—	—	—	—	—
	18	—	—	—	53.5	55.7	60.4	55.6	57.4	60.0	61.5	59.4	57.7
	19	60.4	59.4	60.9	61.8	62.8	65.4	66.0	68.4	70.4	68.6	68.3	68.1
	20	72.7	71.6	74.2	70.9	72.2	72.2	74.0	—	76.0	77.4	77.9	76.2
	21	79.5	78.6	76.6	76.9	77.9	79.1	81.7	82.7	82.8	81.6	82.6	83.8
	22	78.0	78.6	78.0	79.7	80.7	81.6	82.2	82.5	84.5	87.3	90.8	89.3
	23	73.2	74.2	74.2	75.1	70.8	—	68.8	71.3	72.2	73.1	74.7	76.2
	24	71.4	71.4	72.1	—	—	—	—	—	—	—	—	—
	25	—	—	—	85.1	72.8	72.0	74.7	77.2	79.1	—	76.3	73.4
	26	67.8	68.2	69.6	70.2	69.6	69.2	71.1	71.5	—	78.1	77.9	75.6
	27	62.1	62.7	63.2	65.4	64.0	65.0	65.3	66.4	69.4	71.9	71.3	71.4
	28	73.6	73.4	75.5	75.0	77.7	76.9	76.0	77.5	76.1	76.7	79.2	76.5
	29	74.3	75.4	75.1	74.5	76.0	76.7	76.4	77.0	79.8	80.7	77.1	73.9
	30	73.9	75.0	75.1	—	—	89.0	76.5	77.3	77.2	79.1	77.2	73.4
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	73.23	73.58	73.74	73.63	73.65	75.32	75.20	75.85	76.06	76.30	75.68	74.52	

TEMPERATURE OF THE BIFILAR MAGNET.												
DECEMBER.	1	65.0	..	63.6	..	62.2	..	60.6	..	60.0	..	59.5
	2	59.2	..	57.6	..	57.0	..	56.8	..	56.0	..	56.0
	3	61.0	..	59.4	..	—	..	—	..	—	..	—
	4	—	..	—	..	59.0	..	57.5	..	56.8	..	56.8
	5	57.0	..	56.0	..	55.0	..	53.8	..	53.0	..	52.2
	6	61.0	..	59.8	..	59.0	..	57.6	..	56.0	..	56.2
	7	58.4	..	57.2	..	56.6	..	55.0	..	54.0	..	54.0
	8	59.2	..	58.2	..	57.6	..	56.8	..	56.4	..	56.0
	9	61.5	..	60.5	..	60.0	..	59.2	..	59.4	..	59.4
	10	64.0	..	62.6	..	—	..	—	..	—	..	—
	11	—	..	—	..	65.0	..	—	..	63.0	..	62.5
	12	63.0	..	61.8	..	60.0	..	59.0	..	57.4	..	56.8
	13	60.0	..	58.8	..	57.8	..	56.6	..	—	..	56.2
	14	62.8	..	61.6	..	60.8	..	59.4	..	59.0	..	58.8
	15	64.8	..	63.2	..	63.0	..	61.7	..	61.0	..	60.4
	16	65.0	..	64.0	..	64.0	..	62.6	..	62.0	..	61.6
	17	66.6	..	65.6	..	—	..	—	..	—	..	—
	18	—	..	—	..	69.0	..	68.0	..	67.4	..	66.8
	19	69.2	..	68.0	..	66.4	..	65.2	..	63.5	..	63.5
	20	63.6	..	62.8	..	62.4	..	61.0	..	60.0	..	60.0
	21	61.0	..	60.5	..	60.0	..	58.2	..	57.0	..	56.5
	22	60.0	..	59.0	..	57.8	..	56.6	..	56.4	..	56.2
	23	62.8	..	61.8	..	61.4	..	61.2	..	60.5	..	59.8
	24	63.2	..	63.2	..	—	..	—	..	—	..	—
	25	—	..	—	..	62.0	..	61.6	..	60.6	..	60.6
	26	66.0	..	65.0	..	64.2	..	63.5	..	—	..	61.2
	27	70.5	..	69.0	..	68.2	..	67.2	..	67.2	..	66.6
	28	63.0	..	62.0	..	61.0	..	59.2	..	58.2	..	58.0
	29	61.6	..	60.8	..	60.2	..	59.6	..	59.0	..	58.2
	30	61.2	..	60.4	..	—	..	59.0	..	58.8	..	58.2
	31	—	..	—	..	—	..	—	..	—	..	—
Hourly Means	62.72	..	61.63	..	61.18	..	59.89	..	59.31	..	58.92	..

HORIZONTAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
63.9	62.5	66.0	70.0	73.7	75.4	76.0	75.3	79.1	77.5	82.2	81.3	73.05
71.5	68.7	66.6	68.5	69.9	68.8	73.8	75.3	74.6	74.5	75.8	76.5	76.24
—	—	—	—	—	—	—	—	—	—	—	—	78.40
74.6	71.1	68.9	69.2	73.6	75.4	79.3	81.4	80.7	80.8	81.5	82.2	81.31
78.4	76.2	76.9	76.8	77.8	75.4	77.7	81.9	73.1	67.8	72.7	75.1	75.56
75.3	74.0	72.3	71.1	71.5	72.6	77.3	79.3	75.6	75.2	78.5	76.8	78.02
73.6	73.2	75.2	77.2	74.4	76.9	81.1	81.0	79.6	78.8	75.1	77.0	74.62
74.5	72.1	69.6	69.1	73.8	74.9	75.6	70.8	71.0	70.5	70.6	71.0	66.05
58.2	57.5	55.9	54.7	60.3	61.5	62.5	64.1	62.1	62.6	62.0	62.3	64.30
—	—	—	—	—	—	—	—	—	—	—	—	74.62
64.1	62.3	60.5	61.5	61.1	62.7	61.4	60.9	62.5	63.4	66.3	67.7	76.19
76.1	72.8	69.2	68.8	71.3	71.3	71.7	76.4	76.2	76.9	76.5	75.9	69.68
78.8	77.0	68.3	67.6	68.3	71.4	65.2	70.6	67.4	68.6	70.7	69.5	69.91
68.9	67.2	66.0	67.0	66.1	61.8	59.9	63.1	64.8	64.6	65.0	67.9	66.49
72.8	71.9	69.4	68.4	69.4	67.6	66.0	67.7	66.2	67.7	67.9	67.0	57.37
65.6	63.1	61.0	60.5	60.4	60.8	61.7	64.6	63.9	64.7	64.7	66.3	66.42
—	—	—	—	—	—	—	—	—	—	—	—	74.25
55.4	52.1	48.3	48.0	50.4	53.5	55.5	57.5	56.7	59.8	59.9	—	79.22
63.5	65.0	65.4	66.1	66.6	67.8	67.5	68.5	69.7	71.0	69.7	72.7	78.72
75.4	75.0	71.1	67.3	70.2	71.4	77.0	76.3	77.6	75.6	76.3	79.2	71.68
84.4	81.5	78.3	75.7	75.0	75.7	77.9	82.3	80.6	73.9	74.8	77.3	70.73
84.2	78.5	75.2	72.3	73.6	75.1	72.0	73.6	74.3	71.5	73.0	72.8	69.16
74.3	69.2	65.9	65.0	68.0	71.8	73.6	73.2	72.5	70.9	70.1	70.3	66.87
—	—	—	—	—	—	—	—	—	—	—	—	74.42
69.3	63.4	62.8	61.6	63.1	65.6	66.3	70.5	70.1	69.0	69.7	70.0	73.36
73.5	67.8	64.3	61.3	64.1	70.3	72.5	74.5	71.1	60.5	60.0	62.0	74.10
68.7	64.8	58.2	56.1	62.9	69.5	72.5	70.1	70.8	70.4	70.1	72.6	—
73.6	70.7	69.6	71.5	74.3	75.8	75.4	74.1	72.0	70.1	71.3	73.6	—
70.5	70.2	67.7	63.0	63.5	66.2	76.4	76.8	73.8	75.6	68.4	71.6	—
67.6	65.8	66.2	69.3	73.6	77.1	76.7	75.0	75.2	70.9	69.2	70.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
71.41	68.98	66.88	66.45	68.34	69.86	71.25	72.49	71.58	70.49	70.85	72.34	72.25

TEMPERATURE OF THE BIFILAR MAGNET.

59.5	..	60.0	..	61.6	..	62.0	..	61.6	..	60.4	..	61.33
56.8	..	57.8	..	59.5	..	61.5	..	62.6	..	62.2	..	58.58
—	..	—	..	—	..	—	..	—	..	—	..	57.78
56.2	..	56.0	..	57.0	..	57.4	..	58.2	..	57.8	..	56.57
53.2	..	55.0	..	58.4	..	60.8	..	62.2	..	62.2	..	58.87
56.5	..	59.8	..	59.0	..	60.0	..	61.2	..	59.6	..	56.44
54.5	..	55.2	..	56.6	..	57.6	..	58.8	..	59.4	..	58.67
56.6	..	58.0	..	60.0	..	61.0	..	62.0	..	62.2	..	61.92
59.8	..	62.0	..	64.5	..	65.5	..	66.0	..	65.2	..	64.89
—	..	—	..	—	..	—	..	—	..	—	..	59.66
63.4	..	65.6	..	67.5	..	68.0	..	67.0	..	65.2	..	59.64
57.0	..	58.2	..	60.5	..	60.4	..	61.0	..	60.8	..	62.37
57.2	..	58.0	..	60.6	..	63.0	..	64.2	..	63.6	..	63.02
60.2	..	62.0	..	64.8	..	66.2	..	66.8	..	66.0	..	64.82
60.0	..	61.5	..	63.5	..	66.0	..	66.0	..	65.2	..	68.67
62.6	..	64.8	..	67.4	..	68.0	..	68.4	..	67.8	..	65.08
—	..	—	..	—	..	—	..	—	..	—	..	61.52
67.0	..	69.0	..	72.0	..	71.2	..	71.0	..	70.5	..	58.65
63.0	..	63.4	..	64.2	..	65.0	..	65.0	..	64.6	..	59.54
59.6	..	60.4	..	61.8	..	62.0	..	62.4	..	62.2	..	62.07
56.6	..	57.2	..	58.2	..	59.6	..	59.0	..	60.0	..	64.09
56.5	..	58.4	..	61.8	..	63.6	..	64.2	..	64.0	..	65.68
59.8	..	61.2	..	62.8	..	64.0	..	64.8	..	64.8	..	67.30
—	..	—	..	—	..	—	..	—	..	—	..	60.60
62.8	..	64.5	..	67.2	..	68.4	..	68.0	..	67.0	..	60.62
62.2	..	64.4	..	66.5	..	69.0	..	70.0	..	70.5	..	61.05
67.0	..	68.0	..	68.0	..	66.4	..	65.5	..	64.0	..	—
58.0	..	59.4	..	61.0	..	62.4	..	62.8	..	62.2	..	—
59.0	..	59.6	..	61.4	..	62.0	..	63.2	..	62.8	..	—
58.0	..	60.0	..	62.0	..	64.0	..	65.0	..	65.0	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
59.33	..	60.75	..	62.61	..	63.65	..	64.11	..	63.66	..	61.50

VERTICAL FORCE.													
One Scale Division = .00008 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°, = .00021.													
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 .	
JANUARY.	1	Sc. Div. 27.0	Sc. Div. 22.6	Sc. Div. 22.5	—	—	—	—	—	—	—	—	
	2	—	—	—	18.3	20.2	22.1	23.7	29.5	29.2	—	26.4	
	3	8.6	10.6	13.1	12.3	14.8	18.7	20.2	21.2	22.6	22.6	22.9	
	4	30.4	33.4	31.6	32.8	33.5	36.1	35.9	36.8	36.6	35.8	34.9	31.7
	5	28.4	32.1	34.6	36.4	37.3	37.9	38.7	39.4	40.1	40.8	40.6	38.2
	6	—	28.2	29.9	31.4	30.0	29.4	31.3	32.0	35.4	35.3	30.6	28.4
	7	21.6	21.4	23.3	25.7	27.2	27.9	27.0	28.4	31.6	31.3	30.8	28.8
	8	20.6	21.5	22.0	—	—	—	—	—	—	—	—	—
	9	—	—	—	33.5	33.2	33.2	35.4	36.1	37.3	37.9	36.9	34.5
	10	27.0	—	28.3	29.2	30.6	32.3	31.7	33.2	33.7	35.1	34.1	33.7
	11	22.9	24.0	26.8	27.6	25.2	28.4	25.3	30.9	31.0	34.4	34.9	31.4
	12	19.5	21.2	19.7	21.3	23.2	—	24.3	24.4	25.4	24.0	23.8	22.0
	13	14.5	16.9	18.2	—	20.8	22.6	22.0	23.6	24.8	24.8	24.0	23.6
	14	24.3	26.3	27.0	28.5	29.0	30.2	32.3	32.1	31.1	30.7	29.2	28.7
	15	32.8	33.1	35.5	—	—	—	—	—	—	—	—	—
	16	—	—	—	34.8	34.2	35.3	34.4	35.0	35.0	33.5	32.9	32.9
	17	23.2	26.8	28.4	30.8	31.5	32.1	33.1	34.6	35.6	36.1	33.5	31.7
	18	23.2	24.1	27.0	27.0	23.5	26.9	22.1	29.3	—	24.6	24.7	26.0
	19	16.2	16.4	19.8	19.9	22.4	25.2	26.7	27.5	27.4	27.3	24.2	23.3
	20	11.2	13.5	13.4	16.8	—	16.0	16.2	16.8	17.9	18.5	17.9	—
	21	21.1	22.0	25.0	25.3	25.2	30.1	29.3	32.0	33.2	32.7	33.4	35.5
	22	25.1	26.6	26.4	—	—	—	—	—	—	—	—	—
	23	—	—	—	18.8	19.8	21.1	22.1	24.9	26.2	25.6	25.1	25.2
	24	7.5	8.1	11.4	13.4	—	13.1	18.2	19.2	20.8	21.5	26.9	20.1
	25	16.7	19.9	18.9	20.1	—	21.9	23.7	25.1	28.7	29.0	25.2	25.0
	26	17.2	18.6	20.3	21.5	22.0	22.8	23.2	24.7	25.7	26.7	26.8	27.4
	27	34.2	34.4	33.1	33.6	35.5	35.6	36.2	—	35.6	35.6	41.6	36.6
	28	32.7	33.5	33.3	34.5	35.6	34.9	35.3	—	37.6	37.6	37.5	39.3
	29	30.2	29.6	30.9	—	—	—	—	—	—	—	—	—
	30 ^b	—	—	—	—	—	—	—	—	—	—	—	—
	31 ^b	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	22.04	23.27	24.56	25.80	27.37	27.56	27.85	28.94	30.54	30.50	29.95	29.20	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
JANUARY.	1	67.5	..	66.0	..	—	..	—	..	—	..	..
	2	—	..	—	..	64.0	..	63.0	..	62.5	..	62.5
	3	76.0	..	74.0	..	71.5	..	69.0	..	66.0	..	65.5
	4	62.8	..	60.8	..	59.2	..	57.8	..	56.0	..	56.0
	5	58.2	..	57.4	..	56.0	..	55.0	..	53.8	..	54.5
	6	—	..	61.0	..	61.0	..	59.0	..	57.5	..	58.4
	7	67.5	..	65.0	..	63.5	..	62.0	..	60.6	..	61.8
	8	66.8	..	65.8	..	—	..	—	..	—	..	—
	9	—	..	—	..	58.2	..	57.2	..	56.2	..	57.0
	10	62.8	..	62.5	..	60.4	..	59.0	..	57.0	..	57.5
	11	67.0	..	64.0	..	62.0	..	60.4	..	58.5	..	59.0
	12	69.0	..	67.4	..	67.0	..	65.0	..	64.5	..	65.0
	13	72.0	..	69.5	..	67.5	..	66.0	..	63.8	..	63.8
	14	65.0	..	63.0	..	62.0	..	60.0	..	59.5	..	59.8
	15	57.0	..	56.5	..	—	..	—	..	—	..	—
	16	—	..	—	..	58.0	..	58.0	..	58.0	..	59.0
	17	65.0	..	62.0	..	60.0	..	58.0	..	56.5	..	57.0
	18	64.5	..	64.0	..	62.5	..	61.5	..	—	..	60.6
	19	69.0	..	67.2	..	65.2	..	63.8	..	62.0	..	63.3
	20	74.5	..	73.0	..	72.5 ^a	..	70.5	..	69.0	..	67.5
	21	67.5	..	65.0	..	65.0	..	61.0	..	59.0	..	58.5
	22	64.6	..	63.5	..	—	..	—	..	—	..	—
	23	—	..	—	..	67.0	..	65.0	..	64.0	..	63.8
	24	76.5	..	73.0	..	—	..	69.0	..	67.5	..	67.0
	25	69.8	..	68.0	..	—	..	66.0	..	64.0	..	64.2
	26	70.5	..	68.5	..	66.0	..	65.0	..	64.5	..	63.2
	27	57.8	..	57.2	..	57.0	..	56.0	..	56.0	..	55.0
	28	58.0	..	57.5	..	56.6	..	56.0	..	55.5	..	56.0
	29 ^a	61.4	..	60.6	..	—	..	—	..	—	..	—
	30 ^b	—	..	—	..	—	..	—	..	—	..	—
	31 ^b	—	..	—	..	—	..	—	..	—	..	—
Hourly Means	66.49	..	64.66	..	62.36	..	61.80	..	60.52	..	60.66	..

^a Omitted in the means.

^b Instrument under adjustment.

VERTICAL FORCE.

One Scale Division = .00008 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00021.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
22.1	22.1	20.1	18.1	15.4	10.2	11.6	4.4	3.2	2.5	5.1	7.5	17.76
26.5	30.6	30.5	31.6	30.9	30.9	28.3	26.2	25.5	25.8	27.3	28.3	23.05
31.5	34.3	33.7	35.3	35.9	31.5	29.9	29.6	28.5	32.6	31.2	32.3	33.16
32.6	32.5	29.5	28.5	28.1	28.6	26.1	23.1	25.0	24.4	26.9	27.2	32.38
27.1	24.6	21.6	22.9	19.2	18.6	19.2	20.7	19.8	16.8	18.5	20.5	25.71
22.2	20.3	19.3	16.8	16.8	14.4	14.4	15.7	17.0	17.8	19.4	20.3	22.48
—	—	—	—	—	—	—	—	—	—	—	—	—
32.2	31.6	27.5	23.4	21.7	21.3	19.2	18.9	20.7	21.4	24.2	25.7	27.91
32.1	29.8	25.7	22.2	21.2	23.9	21.5	21.4	21.4	22.2	19.1	21.8	27.44
28.9	26.9	26.1	21.4	16.9	17.6	15.9	18.1	—	15.7	18.6	18.5	24.67
19.6	16.8	13.4	9.1	5.9	3.3	3.6	3.6	5.2	8.2	10.8	11.8	15.66
24.1	28.2	28.8	23.6	22.2	21.5	20.6	19.2	19.2	20.6	22.0	23.3	22.13
29.5	31.1	36.1	36.7	33.0	32.1	31.5	31.5	31.0	31.3	—	31.5	30.64
—	—	—	—	—	—	—	—	—	—	—	—	—
32.1	30.5	29.4	26.7	23.0	20.2	20.2	18.3	18.7	18.0	20.0	20.6	28.63
31.5	31.1	30.7	29.6	27.3	23.5	21.4	19.0	16.1	22.7	25.1	22.2	28.23
27.1	25.7	23.5	21.0	16.2	15.0	11.4	10.7	11.4	14.1	16.1	16.6	21.18
24.0	21.5	18.9	17.3	17.1	10.8	6.5	5.5	5.8	7.3	8.4	7.2	17.78
23.8	25.3	25.0	23.4	21.6	20.5	18.9	18.9	18.9	18.9	18.7	20.4	18.75
36.0	35.1	26.8	26.7	24.9	22.1	20.9	19.9	20.0	22.0	23.0	24.0	26.93
—	—	—	—	—	—	—	—	—	—	—	—	—
25.9	26.3	25.9	24.9	21.9	16.1	11.0	8.9	5.5	5.2	4.8	5.9	19.55
18.3	16.1	13.6	13.4	15.4	17.7	20.0	12.4	13.6	12.0	14.3	15.9	15.78
21.2	20.0	17.4	15.4	15.2	14.9	10.4	11.5	12.4	13.1	14.8	15.9	18.97
30.2	31.5	33.9	32.6	32.9	32.5	32.0	32.9	32.6	32.9	34.0	33.6	27.85
37.2	39.4	38.7	37.8	35.4	32.6	30.7	31.0	32.1	32.8	33.7	32.5	35.04
39.1	36.6	35.4	30.4	28.4	26.4	27.2	26.3	28.6	28.5	28.5	27.8	32.83
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
28.12	27.83	26.31	24.53	22.77	21.10	19.68	18.65	18.79	19.45	19.35	21.30	24.76

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	..	70.0	..	73.0	..	76.0	..	78.0	..	79.0	..	69.01
66.6	..	64.0	..	64.0	..	63.5	..	64.0	..	63.8	..	67.12
64.2	..	59.8	..	60.5	..	61.0	..	60.6	..	60.0	..	59.37
58.0	..	60.8	..	63.0	..	64.0	..	64.8	..	64.2	..	59.14
58.0	..	65.2	..	67.5	..	69.0	..	69.5	..	68.5	..	63.47
61.6	..	70.0	..	70.2	..	70.6	..	70.6	..	68.8	..	66.34
65.5	..	..	..	..	..	..	..	..	..	..	..	..
—	..	63.8	..	64.5	..	67.0	..	66.5	..	65.0	..	62.33
60.0	..	64.0	..	65.5	..	67.0	..	68.0	..	67.5	..	62.60
60.0	..	65.5	..	68.8	..	71.8	..	—	..	70.0	..	64.45
62.0	..	73.8	..	75.5	..	77.0	..	76.2	..	74.5	..	70.31
68.8	..	65.5	..	67.0	..	67.5	..	67.6	..	66.5	..	66.82
65.2	..	59.2	..	59.5	..	60.0	..	59.5	..	—	..	60.61
59.2	..	..	..	..	..	..	..	..	..	..	..	..
—	..	63.5	..	65.0	..	66.2	..	67.2	..	67.2	..	61.26
59.5	..	62.5	..	64.4	..	66.0	..	66.5	..	65.5	..	61.91
59.5	..	64.6	..	67.5	..	70.5	..	71.5	..	70.8	..	65.45
62.0	..	71.5	..	74.0	..	75.2	..	76.2	..	75.0	..	69.24
68.5	..	66.8	..	67.8	..	68.8	..	70.0	..	69.4	..	69.44
66.5	..	63.5	..	66.5	..	67.5	..	67.5	..	66.5	..	63.94
59.8	..	..	..	..	..	..	..	..	..	..	..	..
—	..	66.0	..	70.0	..	75.0	..	76.8	..	77.5	..	68.14
64.5	..	70.2	..	71.5	..	72.5	..	73.2	..	71.5	..	70.92
68.2	..	69.5	..	71.5	..	72.8	..	73.0	..	73.0	..	68.94
66.5	..	61.2	..	60.8	..	59.5	..	59.2	..	58.6	..	63.28
62.4	..	55.8	..	57.5	..	59.0	..	59.5	..	59.0	..	57.08
55.2	..	58.2	..	60.5	..	61.6	..	62.0	..	62.0	..	58.37
56.5	..	..	..	..	..	..	..	..	..	..	..	..
—
—
—
62.42	..	64.79	..	66.50	..	67.87	..	68.17	..	67.99	..	64.52

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
FEBRUARY.	1 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	73.9	74.1	78.3	69.7	77.9	80.6	82.2	84.0	—	84.0	84.2	89.2
	9	66.1	68.6	73.6	72.7	75.7	76.1	78.3	80.2	81.4	81.8	80.7	77.7
	10	60.6	63.9	73.6	72.0	73.3	75.2	76.7	76.6	77.2	77.5	76.9	76.5
	11	68.3	70.9	76.4	78.6	83.9	80.5	82.7	84.8	96.5	89.6	77.6	92.7
	12	104.5	97.4	97.7	—	—	—	—	—	—	—	—	—
	13	—	—	—	95.7	96.1	97.1	98.5	99.6	99.9	97.8	97.0	95.3
	14	75.4	75.8	81.0	83.8	—	87.6	90.8	93.4	99.5	90.6	85.8	85.8
	15	76.7	78.8	78.1	77.2	85.5	86.6	77.8	88.7	89.3	90.8	92.2	93.2
	16	77.3	78.8	80.6	85.1	85.9	85.9	86.2	86.3	82.3	86.8	90.0	81.6
	17	79.0	60.4	75.3	77.9	80.0	70.3	50.3	77.1	84.6	78.9	81.3	85.5
	18	80.1	77.7	64.0	56.2	79.0	57.7	58.3	79.7	82.5	88.7	90.0	102.2
	19	90.8	80.6	70.1	—	—	—	—	—	—	—	—	—
	20	—	—	—	90.8	100.3	106.0	106.5	103.3	—	110.2	103.9	107.0
	21	90.4	94.9	98.7	99.5	102.8	—	111.1	112.0	111.8	111.9	111.9	106.9
	22	77.0	79.1	83.2	83.7	86.9	86.9	88.4	—	97.0	96.9	96.5	95.2
	23	61.8	66.2	68.7	68.8	68.8	75.8	78.7	82.5	85.8	85.8	81.9	78.6
	24	58.9	62.0	57.9	60.8	41.5	55.6	21.5	0.9	20.3	60.8	80.4	43.9
	25	70.5	75.3	75.9	79.0	79.4	80.7	81.8	82.6	94.0	100.7	100.0	87.7
	26	71.9	69.1	66.6	—	—	—	—	—	—	—	—	—
	27	—	—	—	89.5	87.3	86.1	88.8	90.6	90.9	92.5	93.4	95.1
	28 ^b	93.2	94.8	96.2	93.6	94.9	95.0	95.9	96.7	100.3	99.0	91.5	—
Hourly Means	75.48	74.92	76.45	78.88	81.52	80.50	79.92	82.64	86.20	89.72	89.63	87.89	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1 ^a	—	..	—	..	—	..	—	..	—	..	—
	2	—	..	—	..	—	..	—	..	—	..	—
	3	—	..	—	..	—	..	—	..	—	..	—
	4	—	..	—	..	—	..	—	..	—	..	—
	5	—	..	—	..	—	..	—	..	—	..	—
	6	—	..	—	..	—	..	—	..	—	..	—
	7	—	..	—	..	—	..	—	..	—	..	—
	8	65.8	..	65.0	..	64.0	..	63.0	..	—	..	62.5
	9	69.0	..	67.5	..	66.8	..	65.6	..	65.0	..	65.0
	10	69.5	..	68.2	..	67.5	..	67.0	..	66.5	..	65.8
	11	67.8	..	66.8	..	64.8	..	63.5	..	62.2	..	63.0
	12	61.2	..	61.0	..	—	..	—	..	—	..	—
	13	—	..	—	..	60.0	..	60.0	..	59.0	..	59.2
	14	64.8	..	63.0	..	—	..	61.0	..	60.5	..	61.0
	15	66.0	..	65.0	..	64.5	..	63.5	..	62.0	..	62.0
	16	65.5	..	64.5	..	63.5	..	63.0	..	62.0	..	61.5
	17	67.0	..	67.0	..	64.2	..	64.5	..	63.0	..	63.2
	18	67.5	..	67.0	..	68.0	..	67.0	..	65.0	..	63.0
	19	61.4	..	63.0	..	—	..	—	..	—	..	—
	20	—	..	—	..	57.5	..	57.2	..	57.0 ^b	..	57.0
	21	61.5	..	59.5	..	58.4	..	56.0	..	55.0	..	54.0
	22	66.5	..	65.0	..	63.5	..	63.0	..	60.5	..	61.0
	23	71.5	..	71.0	..	68.8	..	66.5	..	65.0	..	65.0
	24	74.5	..	73.5	..	72.2	..	74.5	..	74.0	..	71.0
	25	68.5	..	68.0	..	65.0	..	63.0	..	61.5	..	61.0
	26	71.2	..	70.5	..	—	..	—	..	—	..	—
	27	—	..	—	..	65.0	..	64.4	..	63.5	..	63.0
	28 ^b	63.0	..	62.8	..	—	..	—	..	61.2	..	62.5
Hourly Means	67.01	..	66.21	..	64.61	..	63.69	..	62.98	..	62.25	..

^a From 1st to 7th, the instrument under re-adjustment.

VERTICAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
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89.0	77.4	69.9	65.9	65.9	61.7	59.4	59.9	55.3	57.3	58.0	60.3	72.09
76.5	73.3	70.0	62.2	57.8	56.4	56.5	54.8	54.4	55.7	55.5	59.4	68.56
74.9	73.3	75.9	69.3	66.2	63.8	59.7	58.1	58.8	61.2	67.1	67.2	69.81
87.7	92.5	98.2	93.8	102.0	105.1	105.2	108.9	106.3	108.7	97.7	98.2	91.12
—	—	—	—	—	—	—	—	—	—	—	—	—
88.7	—	80.2	79.1	78.6	77.9	75.5	—	70.1	72.9	73.4	78.4	88.70
80.9	82.2	83.5	92.0	78.0	70.7	71.6	70.4	69.6	72.7	73.6	75.5	81.31
94.7	90.7	86.8	83.3	79.3	78.3	74.1	71.1	70.2	71.7	73.3	76.7	81.88
82.0	87.8	111.3	91.1	77.6	73.6	74.8	71.3	69.3	64.7	74.5	77.9	81.78
—	82.7	81.9	79.8	77.5	73.0	68.9	70.6	70.6	70.6	74.3	69.6	74.79
89.8	—	95.5	94.9	96.1	88.5	91.3	91.5	89.5	84.8	86.2	98.2	83.58
—	—	—	—	—	—	—	—	—	—	—	—	—
109.3	109.2	104.8	83.6	82.5	81.3	82.8	83.3	79.9	81.0	89.1	91.6	93.39
101.8	96.4	91.1	85.6	82.5	77.3	69.9	71.0	69.7	70.2	71.3	74.0	91.86
88.6	82.2	82.9	67.1	62.0	60.6	57.8	55.8	55.2	53.1	55.0	58.6	76.07
72.6	65.9	59.9	57.1	52.5	46.1	40.6	41.1	44.9	49.6	44.9	54.2	63.87
57.9	53.5	43.7	42.4	47.2	52.3	53.7	57.6	57.3	60.3	65.0	67.7	50.96
81.3	81.3	76.2	69.9	67.4	64.5	64.0	61.8	64.4	65.5	61.6	69.8	76.47
—	—	—	—	—	—	—	—	—	—	—	—	—
98.1	98.4	98.3	91.2	82.5	77.7	81.5	82.7	—	88.6	89.8	90.5	87.00
—	74.8	69.1	—	—	—	—	—	—	34.8	35.6	40.9	—
85.86	83.12	82.95	76.96	73.86	71.11	69.84	69.37	67.84	69.92	71.19	74.58	78.29

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
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64.5	..	67.0	..	70.0	..	70.5	..	71.0	..	71.0	..	66.66
68.0	..	71.5	..	73.2	..	73.5	..	73.0	..	71.5	..	69.13
67.5	..	69.0	..	71.5	..	72.0	..	71.0	..	69.0	..	68.71
62.5	..	61.4	..	62.5	..	62.5	..	62.5	..	62.0	..	63.46
—	..	—	..	—	..	—	..	—	..	—	..	—
61.2	..	64.0	..	65.5	..	67.0	..	66.5	..	66.0	..	62.55
62.0	..	65.0	..	67.0	..	67.5	..	67.5	..	67.0	..	64.21
62.8	..	64.8	..	66.5	..	67.5	..	67.5	..	66.5	..	64.88
62.8	..	64.0	..	64.4	..	67.0	..	69.5	..	68.0	..	64.64
—	..	65.0	..	65.5	..	67.5	..	68.5	..	67.2	..	65.69
62.8	..	62.0	..	62.5	..	63.2	..	64.3	..	62.5	..	64.57
—	..	—	..	—	..	—	..	—	..	—	..	—
56.2	..	58.0	..	62.5	..	63.5	..	63.8	..	63.0	..	60.28
58.5	..	62.2	..	65.0	..	67.0	..	68.0	..	67.5	..	61.05
64.2	..	68.2	..	71.0	..	72.0	..	73.0	..	72.5	..	66.70
68.0	..	70.0	..	75.0	..	76.5	..	77.5	..	76.0	..	70.90
71.5	..	74.0	..	73.8	..	72.5	..	73.0	..	70.5	..	72.92
64.4	..	68.0	..	70.8	..	72.0	..	72.0	..	72.0	..	67.18
—	..	—	..	—	..	—	..	—	..	—	..	—
63.0	..	62.5	..	66.0	..	65.5	..	—	..	63.8	..	65.31
—	..	70.5	..	—	..	—	..	—	..	73.2	..	—
63.74	..	65.68	..	67.81	..	68.66	..	69.29	..	68.00	..	65.85

° Omitted 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.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MARCH.	1	44.2	38.2	32.7	27.4	54.9	60.1	58.4	—	63.9	63.2	67.0	69.6
	2	56.8	60.0	64.4	70.9	69.4	70.8	71.2	81.0	78.4	72.8	70.5	67.4
	3	54.2	58.9	60.8	59.7	65.9	69.2	72.7	75.6	77.7	80.2	78.3	73.5
	4	67.5	69.9	72.7	71.7	74.2	76.0	81.2	79.3	87.9	86.6	89.1	91.3
	5	—	80.1	79.5	—	—	—	—	—	—	—	—	—
	6	—	—	—	77.7	78.9	81.0	81.8	85.3	86.4	85.4	82.5	78.1
	7 ^o	—	70.5	75.1	71.8	—	—	—	—	87.8	89.0	86.9	83.4
	8	62.9	59.3	65.1	65.6	74.5	67.9	78.4	77.7	77.8	78.0	79.0	79.4
	9	58.6	59.9	59.5	62.6	61.9	60.4	58.9	62.0	65.8	70.3	68.5	65.4
	10	66.0	68.7	73.5	80.0	79.7	83.1	84.8	84.2	84.2	86.3	—	85.6
	11	66.6	70.3	69.4	71.3	72.8	75.5	76.5	82.8	80.9	82.2	83.4	84.3
	12	67.8	69.5	69.5	—	—	—	—	—	—	—	—	—
	13	—	—	—	76.7	76.2	76.7	80.2	78.3	82.5	84.6	83.8	85.3
	14	72.9	75.7	77.6	—	79.8	80.2	83.8	84.9	81.4	84.5	87.0	85.5
	15	68.9	71.2	72.7	75.5	80.8	83.9	85.8	78.2	80.2	95.9	87.0	86.2
	16	85.5	86.4	88.7	91.6	89.8	103.0	94.9	84.3	91.2	—	109.7	102.5
	17	77.3	76.9	70.9	78.5	79.8	82.7	82.7	85.1	85.2	85.4	86.0	86.0
	18	69.3	73.9	75.9	73.7	79.8	82.1	86.6	84.2	89.5	91.6	92.3	92.1
	19	78.6	85.4	90.7	—	—	—	—	—	—	—	—	—
	20	—	—	—	79.5	81.3	—	81.5	82.9	83.7	83.7	84.4	84.9
	21	76.7	79.4	79.1	81.9	86.5	86.0	90.4	90.4	92.5	97.5	94.9	98.6
	22	72.4	75.8	77.3	78.3	80.1	77.1	82.9	83.3	84.8	89.7	87.5	81.7
	23	68.8	67.4	68.3	70.0	71.4	82.8	81.2	81.3	82.7	83.2	87.4	77.7
	24	80.4	77.3	75.5	78.0	80.5	80.1	79.1	75.4	69.3	81.8	71.7	85.8
	25	86.1	88.9	93.5	91.5	—	94.4	93.9	—	103.7	110.1	102.9	102.0
	26	78.9	79.6	79.3	—	—	—	—	—	—	—	—	—
	27	—	—	—	79.2	78.1	76.1	76.1	72.3	77.5	84.8	85.2	85.6
	28	77.5	84.7	75.6	70.3	84.5	—	80.1	81.9	84.1	87.2	87.7	88.5
	29	70.2	74.4	74.6	77.9	79.2	79.8	84.5	77.3	63.1	67.1	74.4	76.4
	30	60.4	55.1	53.0	67.6	64.1	68.4	72.8	60.3	65.4	64.5	69.0	66.4
	31 ^c	69.3	71.3	73.9	75.2	76.4	79.8	77.2	78.1	78.3	80.6	77.2	—
Hourly Means	69.51	71.43	72.18	73.23	76.02	78.21	79.91	79.42	80.96	83.32	83.59	83.20	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MARCH.	1	71.0	°	69.0	°	67.0	°	66.0	°	64.5	°	65.5	°
	2	67.0	..	65.5	..	64.0	..	63.0	..	62.0	..	62.0	..
	3	68.0	..	66.0	..	64.0	..	62.5	..	61.2	..	60.8	..
	4	64.0	..	63.0	..	61.5	..	59.5	..	58.0	..	57.0	..
	5	—	..	58.8	..	—	..	—	..	—	..	—	..
	6	—	..	—	..	59.0	..	59.0	..	58.5	..	58.5	..
	7 ^o	—	..	63.0	..	—	..	—	..	58.5	..	59.0	..
	8	66.5	..	65.0	..	63.5	..	62.2	..	62.0	..	61.0	..
	9	67.0	..	66.2	..	65.5	..	65.0	..	64.8	..	64.0	..
	10	63.8	..	61.5	..	60.5	..	60.0	..	58.5	..	58.0 ^d	..
	11	64.0	..	64.0	..	62.0	..	61.0	..	59.5	..	59.0	..
	12	63.5	..	62.0	..	—	..	—	..	—	..	—	..
	13	—	..	—	..	61.5	..	59.5	..	58.0	..	57.0	..
	14	61.5	..	60.5	..	60.0	..	58.8	..	57.0	..	56.6	..
	15	62.0	..	61.0	..	59.5	..	60.0	..	58.0	..	57.2	..
	16	57.0	..	56.0	..	54.5	..	54.0	..	52.2	..	52.2	..
	17	61.0	..	60.0	..	59.5	..	58.8	..	58.0	..	58.0	..
	18	63.0	..	61.0	..	60.0	..	58.0	..	57.0	..	57.0	..
	19	62.0	..	60.0	..	—	..	—	..	—	..	—	..
	20	—	..	—	..	60.2	..	59.5	..	59.0	..	59.0	..
	21	60.5	..	59.5	..	58.5	..	57.0	..	56.5	..	55.0	..
	22	62.0	..	61.0	..	60.0	..	59.0	..	58.5	..	58.0	..
	23	65.2	..	63.5	..	61.5	..	59.8	..	59.0	..	58.5	..
	24	63.0	..	63.0	..	61.0	..	61.0	..	61.5	..	62.0	..
	25	60.0	..	58.4	..	56.5 ^d	..	54.5	..	53.0	..	53.0	..
	26	61.0	..	60.5	..	—	..	—	..	—	..	—	..
	27	—	..	—	..	62.0	..	61.5	..	61.0	..	61.0	..
	28	61.7	..	61.0	..	61.0	..	59.8	..	59.0	..	58.5	..
	29	64.0	..	62.5	..	62.0	..	60.0	..	61.0	..	60.0	..
	30	68.0	..	67.5	..	66.2	..	65.8	..	65.8	..	65.5	..
	31	64.0	..	64.0	..	63.0	..	62.0	..	61.8	..	61.2	..
Hourly Means	63.63	..	62.35	..	61.50	..	60.28	..	59.40	..	59.10	..	

^a Omitted in the means; temperature not recorded.

^b Time of vertical vibration observed.

^c Omitted 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°. = .00021.

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.
62.6	61.0	56.2 ^a	50.1	46.6	51.1	56.2	50.9	47.2	44.6	46.2	49.7	52.08
59.2	52.8	49.3	44.8	41.9	46.1	43.7	41.9	42.3	44.8	47.1	51.9	58.31
64.7	59.5	55.0	48.6	49.0	49.0	50.9	51.8	56.9	63.5	56.2	66.3	62.42
91.1	89.0	84.9	80.5	80.5	81.7	77.6	76.1	77.7	76.2	80.9	77.0	80.03
—	—	—	—	—	—	—	—	—	—	—	—	—
73.5	— ^b	—	63.8	56.6	55.3	57.2	53.9	54.0	56.8	59.7	62.2	70.94
82.1	80.4	77.7	69.1	63.4	61.4	55.5	49.4	50.4	51.0	48.6	59.0	—
80.2	82.9	76.3	70.1	63.6	58.2	55.4	53.4	53.4	54.3	56.3	55.5	67.72
66.8	64.9	53.7	49.6	—	44.2	42.9	49.0	52.0	56.5	60.6	62.9	59.00
83.8	84.7	80.6	77.3	72.8	66.7	63.3	60.6	58.9	57.5	59.3	62.1	74.07
81.8	78.8	80.2	71.5	69.4	68.4	62.7	65.5	64.6	59.9	62.2	64.4	72.73
—	—	—	—	—	—	—	—	—	—	—	—	—
86.1	84.1	84.2	76.3	71.2	71.9	68.9	63.5	65.1	67.6	69.9	71.8	75.49
84.7	82.3	72.5	70.5	58.3	55.9	55.4	59.5	59.8	57.8	62.6	64.8	72.93
85.3	87.0	—	81.9	79.1	77.9	75.9	75.7	77.5	80.8	81.3	81.9	80.46
88.9	73.8	81.0	88.6	84.6	79.3	67.7	69.2	66.8	74.5	66.5	75.4	84.52
80.4	79.4	69.9	62.4	62.6	59.8	59.9	60.4	61.7	62.1	62.7	65.6	73.48
92.1	89.4	77.9	69.8	63.9	62.9	62.9	62.5	66.3	74.0	68.9	71.5	77.22
—	—	—	—	—	—	—	—	—	—	—	—	—
80.6	89.2	83.2	77.3	76.6	76.3	73.2	70.8	73.1	70.8	73.8	76.9	79.93
86.1	79.5	69.7	64.1	62.7	62.7	61.3	62.4	63.2	63.2	65.3	67.6	77.57
74.3	67.2	61.7	58.3	52.9	46.2	46.9	47.2	46.2	50.9	55.1	58.2	68.17
73.2	73.6	73.9	72.1	74.4	74.5	75.1	77.7	79.6	68.8	61.2	63.1	74.56
90.3	90.1	84.8	78.9	75.2	72.9	72.6	72.4	77.1	81.3	81.3	86.1	79.08
98.2	97.8	91.4	77.8	74.5	67.7	68.4	70.8	73.0	74.2	74.2	77.6	86.94
—	—	—	—	—	—	—	—	—	—	—	—	—
90.5	—	80.0	80.3	76.1	71.8	83.3	74.9	—	85.8	78.1	64.5	79.00
80.5	73.3	71.0	71.1	68.9	66.7	62.6	60.8	60.7	62.7	63.8	66.2	74.37
70.7	71.0	65.3	57.4	56.6	54.5	54.0	59.2	58.9	52.8	54.2	55.6	67.05
76.4	69.4	71.2	75.0	73.4	73.8	71.4	67.0	66.5	65.4	67.0	67.7	66.72
77.2	81.2	83.7	—	—	—	—	—	80.6	84.4	77.1	84.7	—
79.68	77.69	74.13	68.74	66.19	63.73	62.50	61.79	62.83	64.53	64.45	67.04	72.62

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

66.5	..	..	..	70.5	..	70.5	..	70.5	..	69.2	..	68.20
65.0	..	68.5	..	71.0	..	71.5	..	71.4	..	69.8	..	66.72
64.5	..	67.5	..	69.0	..	69.0	..	67.5	..	65.0	..	65.42
58.0	..	60.0	..	59.8	..	61.2	..	61.0	..	62.0	..	60.42
—	..	—	..	—	..	—	..	—	..	—	..	—
62.0	..	—	..	68.0	..	69.0	..	69.0	..	66.5	..	62.83
60.4	..	64.0	..	67.0	..	68.5	..	69.5	..	68.5	..	—
61.0	..	64.5	..	67.0	..	69.0	..	68.8	..	67.5	..	64.83
66.0	..	68.8	..	—	..	71.0	..	68.5	..	65.5	..	66.57
59.0	..	60.0	..	63.5	..	65.0	..	65.6	..	65.0	..	62.04
60.0	..	61.5	..	64.5	..	65.0	..	65.0	..	65.0	..	62.54
—	..	—	..	—	..	—	..	—	..	—	..	—
58.5	..	61.0	..	63.5	..	64.2	..	64.0	..	62.5	..	61.27
57.2	..	62.2	..	66.0	..	65.0	..	64.0	..	63.2	..	61.00
58.0	..	58.0 ^d	..	59.0	..	59.5	..	59.8	..	57.5	..	59.23
55.2	..	59.5	..	62.4	..	63.0	..	63.5	..	62.5	..	57.67
60.2	..	63.5	..	65.0	..	65.8	..	64.2	..	64.0	..	61.50
57.5	..	60.8	..	64.4	..	65.2	..	66.0	..	64.0	..	61.16
—	..	—	..	—	..	—	..	—	..	—	..	—
59.5	..	61.0	..	61.8	..	62.6	..	62.6	..	61.5	..	60.72
57.8	..	62.5	..	65.0	..	66.0	..	66.0	..	64.0	..	60.69
61.0	..	65.5	..	68.2	..	69.0	..	69.0	..	67.0	..	63.18
59.5	..	61.5	..	62.0	..	62.0	..	62.5	..	64.0	..	61.58
58.0	..	59.2	..	61.5	..	62.4	..	62.0	..	61.0	..	61.30
54.0	..	57.0	..	61.5	..	62.5	..	62.5	..	61.6	..	58.00
—	..	—	..	—	..	—	..	—	..	—	..	—
60.2	..	61.5	..	63.0	..	63.0	..	—	..	62.6	..	61.57
60.2	..	64.0	..	65.8	..	66.5	..	66.5	..	65.2	..	62.43
61.5	..	65.8	..	69.0	..	70.0	..	69.5	..	69.0	..	64.52
65.5	..	65.0	..	65.0	..	66.0	..	66.0	..	65.2	..	65.96
61.0	..	61.2	..	—	..	—	..	61.0	..	59.5	..	61.87
60.27	..	62.75	..	64.94	..	65.86	..	65.86	..	64.38	..	62.48

^d Omitted 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. = .00021.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
APRIL.	1	88.5	95.3	87.7	81.8	86.6	101.1	100.4	98.9	99.1	101.4	103.5	102.8
	2	81.8	85.8	87.9	—	—	—	—	—	—	—	—	—
	3	—	—	—	102.4	102.5	103.5	102.9	100.1	106.2	105.9	87.9	89.1
	4	83.1	74.4	86.4	—	88.4	88.3	89.3	92.8	92.8	92.8	96.3	98.6
	5 ^a	74.5	74.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
	6	90.1	85.8	93.1	97.4	91.6	95.6	100.0	98.7	98.7	—	99.8	105.8
	7	98.0	99.8	101.4	100.1	106.8	106.8	106.8	105.4	—	106.3	105.1	105.0
	8	86.4	86.9	87.9	88.3	88.6	91.4	92.9	94.7	95.4	97.3	97.3	96.7
	9	79.7	78.5	77.3	—	—	—	—	—	—	—	—	—
	10	—	—	—	100.9	105.6	110.2	110.9	113.6	119.7	117.9	114.6	114.1
	11	115.3	108.8	113.0	—	118.8	—	121.0	118.6	120.2	120.2	120.7	118.2
	12 ^b	110.6	104.4	115.0	115.7	115.1	108.7	—	—	100.4	91.7	103.7	113.8
	13 ^b	111.3	74.1	80.0	46.6	—	88.5	—	98.8	87.8	97.0	97.0	99.3
	14 ^b	81.2	88.9	87.3	88.7	85.2	90.5	92.5	91.6	—	95.5	94.4	93.6
	15	91.2	92.2	92.4	98.3	97.5	103.6	103.6	107.7	107.2	120.9	96.1	102.9
	16	91.5	94.7	100.0	—	—	—	—	—	—	—	—	—
	17	—	—	—	118.4	118.4	118.5	118.2	118.2	—	121.6	122.7	117.7
	18	107.3	108.7	108.8	96.6	103.5	106.0	109.3	109.3	109.3	108.3	107.5	109.0
	19	101.2	100.5	100.5	87.5	99.1	99.1	99.8	102.4	105.1	107.4	109.9	108.6
	20	93.7	100.8	95.6	91.5	96.3	97.4	101.2	100.0	101.5	104.4	107.1	103.4
	21	50.5	69.7	87.8	82.4	80.3	75.4	79.7	72.5	83.4	89.9	86.1	92.6
	22	79.4	80.8	83.0	85.5	96.3	100.5	103.1	103.1	103.1	103.4	105.3	—
	23	88.9	85.1	89.4	—	—	—	—	—	—	—	—	—
	24	—	—	—	100.2	—	98.8	101.4	99.7	98.9	99.3	101.9	102.6
	25	101.3	98.9	102.0	99.9	105.2	106.7	107.0	108.3	107.5	110.5	110.9	110.9
	26	95.7	95.7	96.3	84.0	93.4	100.6	98.1	95.0	95.1	98.8	102.0	104.8
	27	107.0	110.2	110.3	115.2	111.8	113.4	117.2	114.6	117.8	112.7	115.4	115.4
	28	—	113.9	114.9	107.2	118.7	119.6	122.2	116.9	—	117.5	114.1	114.1
	29	96.5	96.6	96.9	82.6	93.7	94.9	93.7	94.9	96.6	104.1	94.1	97.5
	30 ^a	88.9	93.2	97.3	—	—	—	—	—	—	—	—	—
Hourly Means	92.62	92.94	95.62	94.15	100.15	100.83	103.24	102.43	102.25	105.43	103.89	105.07	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
APRIL.	1	58.8	°	57.2	°	57.2	°	56.0	°	55.0	°	54.0	°
	2	60.0	..	59.0	..	—	..	—	..	—	..	—	..
	3	—	..	—	..	54.5	..	53.8	..	52.6	..	52.8	..
	4	61.5	..	58.8	..	58.5	..	56.8	..	56.0	..	55.5	..
	5 ^a	56.2	..	55.5	..	53.8	..	53.5	..	53.5	..	54.0	..
	6	56.4	..	55.5	..	54.5	..	54.0	..	53.2	..	53.0	..
	7	52.2	..	51.5	..	51.2	..	51.0	..	—	..	52.0	..
	8	58.0	..	57.5	..	57.0	..	55.0	..	54.2	..	54.5	..
	9	60.6	..	61.0	..	—	..	—	..	—	..	—	..
	10	—	..	—	..	50.0	..	49.0	..	48.0	..	47.8	..
	11	49.0	..	49.0	..	48.5	..	47.5	..	47.5	..	47.5	..
	12 ^b	50.8	..	50.8	..	51.0	..	—	..	50.0	..	50.5	..
	13 ^b	59.8	..	59.0	..	59.2 ^a	..	57.0 ^a	..	56.6	..	55.0	..
	14 ^b	61.0	..	60.2	..	59.4	..	58.2	..	—	..	57.0	..
	15	58.0	..	57.5	..	55.2	..	54.0	..	53.0	..	53.0	..
	16	60.5	..	58.0	..	—	..	—	..	—	..	—	..
	17	—	..	—	..	51.0	..	51.0	..	50.0 ^a	..	50.0	..
	18	55.0	..	54.2	..	54.8	..	53.0	..	52.8	..	51.8	..
	19	56.2	..	55.5	..	55.5	..	54.5	..	53.8	..	53.0	..
	20	56.2	..	55.5	..	55.8	..	54.5	..	53.8	..	52.8	..
	21	64.0	..	62.0	..	61.5	..	61.8	..	60.5	..	58.6	..
	22	61.2	..	60.5	..	56.5	..	55.0	..	54.2	..	54.0	..
	23	60.0	..	59.5	..	—	..	—	..	—	..	—	..
	24	—	..	—	..	—	..	56.0	..	55.5	..	55.0	..
	25	55.5	..	54.8	..	54.0	..	53.0	..	53.0	..	53.2	..
	26	56.0	..	56.0	..	58.2	..	57.4	..	56.5	..	54.5	..
	27	53.2	..	52.2	..	51.0	..	50.2	..	49.5	..	48.5	..
	28	50.5 ^a	..	50.2	..	50.2	..	50.0	..	—	..	49.5	..
	29	56.2	..	56.2	..	57.5	..	57.0	..	55.5	..	55.0	..
	30 ^a	58.0	..	57.0	..	—	..	—	..	—	..	—	..
Hourly Means	57.40	..	56.32	..	54.68	..	54.03	..	53.56	..	52.85	..	

^a Omitted in the means.

^b Omitted in the daily means.

^o Vibrating.

VERTICAL FORCE.

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

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. 99.3	Sc. Div. 91.7	Sc. Div. 89.8	Sc. Div. 87.8	Sc. Div. 84.8	Sc. Div. 77.9	Sc. Div. 75.8	Sc. Div. 75.8	Sc. Div. 71.8	Sc. Div. 75.0	Sc. Div. 75.0	Sc. Div. 75.3	Sc. Div. 88.63
—	—	—	—	—	—	—	—	—	—	—	—	89.50
85.8	87.7	93.0	89.8	90.2	87.1	86.9	81.6	75.4	65.2	66.9	82.4	87.75
103.0	95.9	93.1	92.6	86.1	79.7	79.3	80.7	81.2	81.8	—	73.9	—
74.3	—	84.2	84.8	83.4	80.5	88.9	80.3	80.1	86.5	92.4	91.2	98.07
105.2	103.0	101.6	99.8	99.2	96.5	96.7	97.3	99.4	99.6	101.3	99.4	95.71
104.6	94.1	87.7	90.2	87.3	84.0	84.0	85.9	84.9	85.4	86.1	85.7	86.82
95.1	95.9	86.4	80.9	75.7	77.5	78.8	77.1	77.1	77.2	78.4	79.8	110.15
—	—	—	—	—	—	—	—	—	—	—	—	116.37
105.9	108.8	119.7	111.5	106.2	104.7	112.0	116.8	117.3	129.4	132.5	135.9	—
129.6	115.0	114.3	118.8	111.5	115.4	117.9	118.6	112.0	110.8	109.7	111.7	—
115.7	105.3	94.0	74.9	83.4	85.6	82.5	82.5	90.5	— ^d	— ^d	— ^d	—
109.7	89.1	86.1	— ^c	— ^c	70.0	71.7	72.2	73.2	73.7	77.4	80.4	—
— ^c	83.9	— ^c	72.0	83.7	104.3	124.3	— ^e	— ^e	141.6	134.4	87.7	—
112.8	110.7	105.8	98.6	102.5	98.9	108.9	108.3	121.1	133.1	112.6	95.9	105.12
—	—	—	—	—	—	—	—	—	—	—	—	107.36
— ^c	— ^c	108.2	104.5	106.6	98.6	99.9	100.2	97.8	98.6	98.4	101.9	99.61
102.7	94.9	90.9	87.1	87.4	87.2	97.1	95.5	95.9	89.9	94.9	83.6	96.17
105.4	103.5	89.3	84.6	81.4	83.3	85.5	86.7	87.9	90.0	95.6	93.7	94.93
99.7	99.7	91.1	94.1	106.8	102.0	85.6	83.8	93.0	78.4	73.0	78.3	81.68
94.5	89.3	85.5	83.2	78.8	78.4	81.8	82.7	83.8	85.4	87.3	79.4	87.11
94.5	88.9	78.7	79.5	78.2	79.1	79.1	76.3	70.0	69.8	80.7	85.2	95.51
—	—	—	—	—	—	—	—	—	—	—	—	103.73
102.0	— ^c	— ^c	92.9	96.6	97.8	89.6	88.3	92.9	86.5	93.1	99.9	98.54
105.4	100.8	107.5	108.9	106.8	101.8	101.8	98.9	99.4	97.1	94.9	97.2	111.03
107.9	110.5	102.6	99.4	99.4	95.4	97.2	97.7	94.9	97.6	101.3	101.6	109.16
118.8	116.6	110.0	104.9	105.6	106.0	107.7	106.8	106.0	106.0	105.9	109.4	87.01
114.3	114.3	112.3	111.4	106.5	104.4	104.3	101.6	95.9	92.8	91.8	92.9	—
89.6	81.1	76.6	74.5	75.3	74.1	73.9	72.9	73.8	82.7	83.5	88.1	—
—	—	—	—	—	—	—	—	—	—	—	—	—
104.61	99.12	96.55	93.13	93.04	91.24	92.60	90.79	91.10	93.37	94.30	92.14	97.04

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

54.5	..	59.5	..	62.2	..	62.8	..	63.0	..	62.0	..	58.52
—	..	—	..	—	..	—	..	—	..	—	..	56.70
53.2	..	54.8	..	57.2	..	59.8	..	60.2	..	62.5	..	57.97
55.5	..	57.8	..	58.4	..	59.5	..	59.4	..	—	..	—
55.2	..	58.0	..	59.5	..	59.8	..	58.8	..	57.2	..	53.96
53.5	..	53.6	..	53.5	..	53.8	..	53.5	..	53.0	..	54.35
51.5	..	56.2	..	57.0	..	58.0	..	58.8	..	58.5	..	57.52
55.0	..	57.3	..	59.8	..	60.4	..	61.0	..	60.6	..	52.32
—	..	—	..	—	..	—	..	—	..	—	..	49.47
49.5	..	52.5	..	54.0	..	53.0	..	52.0	..	50.5	..	—
48.2	..	50.5	..	51.2	..	51.8	..	51.8	..	51.2	..	—
51.5	..	55.0	..	57.5	..	59.2	..	59.0	..	—	..	—
55.0	..	57.0	..	60.2 ^a	..	61.8	..	62.0	..	61.6	..	—
59.0 ^a	..	62.0 ^a	..	63.4	..	64.0	..	—	..	59.5	..	—
55.0	..	58.0	..	60.5	..	60.5	..	60.5	..	61.2	..	57.20
—	..	—	..	—	..	—	..	—	..	—	..	54.40
50.4 ^a	..	53.0	..	55.0	..	55.5	..	55.0	..	55.0	..	55.60
53.8	..	57.8	..	59.0	..	59.5	..	58.5	..	57.0	..	56.21
53.5	..	57.0	..	60.0	..	59.5	..	58.8	..	57.2	..	56.94
55.0	..	57.0	..	58.8	..	60.2	..	60.5	..	63.2	..	60.76
57.2	..	60.0	..	61.2	..	61.8	..	61.0	..	59.5	..	59.09
56.2	..	60.0	..	62.5	..	63.0	..	64.0	..	62.0	..	—
—	..	—	..	—	..	—	..	—	..	—	..	57.11
55.0	..	57.0 ^a	..	58.0	..	57.8	..	57.5	..	56.8	..	54.10
52.5	..	53.5	..	53.5	..	55.0	..	55.2	..	56.0	..	55.60
53.0	..	54.0	..	56.2	..	56.2	..	55.2	..	54.0	..	56.16
49.8	..	50.6	..	52.5	..	52.5	..	52.8	..	52.0	..	52.10
50.0	..	51.5	..	53.8	..	55.2	..	56.0	..	56.2	..	58.49
57.0	..	60.5	..	62.4	..	62.6	..	62.2	..	59.8	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
53.43	..	55.78	..	57.72	..	58.47	..	58.17	..	57.70	..	56.49

^a Vibrating; aurora visible.

^e Needle out of the field of view.

VERTICAL FORCE.													
One Scale Division = .000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00021.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MAY.	1 ^a	—	—	—	71.7	71.7	72.2	71.4	71.7	71.7	71.4	71.3	63.0
	2	31.2	33.4	35.0	28.5	32.8	34.0	37.4	37.5	39.9	—	41.5	43.0
	3	—	35.2	35.9	33.0	42.1	40.1	39.5	37.3	36.3	35.6	36.3	34.6
	4	14.7	17.9	16.9	6.7	20.6	25.4	26.5	30.0	32.5	33.0	32.3	31.2
	5	27.0	28.7	26.1	18.7	29.3	30.2	31.4	32.3	—	35.3	35.2	37.2
	6	45.8	46.0	45.4	40.0	46.5	40.0	46.6	56.3	52.5	49.2	46.9	46.9
	7	23.3	44.0	38.2	—	—	—	—	—	—	—	—	—
	8	—	—	—	41.8	45.0	44.9	43.9	42.2	47.2	44.0	44.1	47.2
	9	37.6	40.3	45.0	36.9	38.9	42.4	45.8	48.2	43.8	45.3	44.7	44.6
	10	37.4	25.5	41.2	31.6	32.4	40.3	39.3	37.8	36.1	41.0	45.9	44.2
	11	52.8	55.3	57.0	48.0	55.8	57.8	59.3	53.7	52.2	57.7	59.5	59.0
	12	47.0	46.9	46.8	47.6	49.4	—	47.8	46.8	44.3	42.5	42.3	39.4
	13	34.6	36.3	35.2	25.8	33.5	33.9	32.7	33.8	34.7	36.2	37.9	39.0
	14	41.5	43.6	47.0	—	—	—	—	—	—	—	—	—
	15	—	—	—	59.4	61.0	61.3	61.3	—	59.7	57.0	58.3	57.3
	16	75.4	69.7	65.5	66.3	56.5	33.2	45.8	55.7	57.1	58.2	58.8	54.3
	17	56.5	56.7	43.2	34.5	44.6	44.6	44.5	44.1	47.6	47.7	48.1	46.5
	18	42.3	49.9	37.1	33.7	49.5	54.7	55.2	53.7	54.8	54.3	53.9	51.8
	19	43.0	52.5	53.7	45.0	52.1	55.7	49.0	53.7	53.7	53.2	53.0	52.1
	20	40.7	42.9	43.3	36.3	39.1	39.0	38.9	36.5	36.4	40.2	40.2	41.2
	21	51.9	52.1	52.5	—	—	—	—	—	—	—	—	—
	22	—	—	—	59.3	59.2	59.6	59.2	58.6	58.5	58.0	56.6	55.6
	23	65.1	65.8	67.4	59.6	—	64.3	68.2	68.4	68.4	65.6	70.2	66.9
	24	68.5	68.4	69.2	61.3	65.9	70.1	69.5	68.4	67.6	66.6	64.2	56.3
	25	52.2	53.9	54.6	46.8	53.8	56.4	57.1	56.1	58.4	56.0	54.0	57.3
	26	49.2	51.1	54.9	40.1	50.6	52.9	54.3	—	54.1	54.6	54.1	58.2
	27	47.4	48.4	46.1	36.0	45.0	45.6	47.7	47.7	47.2	45.2	33.9	29.7
	28	29.3	27.1	27.5	—	—	—	—	—	—	—	—	—
	29	—	—	—	59.5	59.6	58.9	57.3	57.1	54.8	54.5	54.3	51.8
	30	52.6	52.6	—	39.3	53.0	55.9	58.2	58.4	56.7	55.4	54.1	52.3
	31	48.0	51.0	50.9	48.5	—	52.3	52.3	51.7	52.2	51.2	51.2	51.0
Hourly Means	44.60	45.97	45.42	41.70	46.51	47.74	48.80	48.58	49.87	49.50	48.90	48.02	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
MAY.	1 ^a	—	—	—	58.2	—	58.0	—	58.0	—	57.5	—
	2	58.0	..	57.5	..	57.8	..	56.6	..	55.2	..	54.8
	3	—	..	57.0	..	56.6	..	56.5	..	56.5	..	56.5
	4	62.5	..	60.8	..	60.0	..	58.0	..	56.0	..	56.0
	5	58.5	..	58.5	..	58.6	..	57.0	..	—	..	54.0
	6	52.0	..	51.4	..	51.5	..	50.5	..	50.0	..	50.0
	7	52.5	..	54.0	..	—	..	—	..	—	..	—
	8	—	..	—	..	53.5	..	53.0	..	52.2	..	52.5
	9	53.8	..	53.5	..	55.0	..	53.0	..	52.5	..	52.0
	10	56.0	..	55.5	..	56.0	..	55.0	..	54.2	..	53.6
	11	50.2	..	49.0	..	48.6	..	47.5	..	47.5	..	47.0
	12	52.4	..	52.0	..	52.0	..	52.0	..	52.0	..	53.0
	13	56.5	..	56.5	..	57.0	..	56.2	..	55.8	..	55.0
	14	53.2	..	52.0	..	—	..	—	..	—	..	—
	15	—	..	—	..	49.0	..	48.5	..	47.8	..	47.2
	16	52.0	..	55.0	..	55.5	..	55.2	..	51.0	..	50.0
	17	54.5	..	54.0	..	55.0	..	53.8	..	53.5	..	53.2
	18	55.0	..	53.0	..	53.0	..	52.5	..	51.6	..	50.5
	19	54.0	..	53.2	..	53.0	..	52.2	..	51.8	..	51.2
	20	56.5	..	56.0	..	56.5	..	55.8	..	56.0	..	55.2
	21	52.6	..	51.8	..	—	..	—	..	—	..	—
	22	—	..	—	..	49.2	..	49.0	..	49.0	..	49.0
	23	46.5	..	46.0	..	—	..	45.0	..	44.8	..	44.4
	24	46.0	..	45.8	..	46.0	..	45.5	..	45.2	..	46.0
	25	51.2	..	50.8	..	51.0	..	50.0	..	49.2	..	49.4
	26	52.0	..	51.4	..	51.5	..	50.5	..	50.5	..	51.5
	27	54.2	..	54.0	..	54.5	..	54.0	..	53.2	..	56.0
	28	58.7	..	58.8	..	—	..	—	..	—	..	—
	29	—	..	—	..	51.0	..	51.0	..	51.2	..	51.0
	30	52.4	..	—	..	51.8	..	50.8	..	50.5	..	51.0
	31	52.5	..	52.2	..	—	..	52.0	..	52.0	..	51.5
Hourly Means	53.75	..	53.59	..	53.48	..	52.36	..	51.57	..	51.60	..

^a Instrument re-adjusted; omitted in the means.

^b Vibrating.

VERTICAL FORCE.

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

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
60.1	—	—	—	—	—	—	23.7	25.5	26.0	26.3	30.7	—
38.8	35.6	35.6	31.4	33.3	31.1	32.2	31.1	30.7	31.2	31.4	32.1	34.29
29.1	32.8	30.9	22.1	20.2	17.5	12.5	10.6	8.8	8.8	11.0	12.7	27.08
36.3	34.3	29.8	29.3	27.3	26.3	26.0	24.2	23.2	24.8	27.9	30.2	26.14
37.5	37.2	37.3	33.6	34.4	38.1	38.1	37.2	35.3	39.7	42.7	44.4	34.21
46.1	47.2	42.9	40.8	39.8	39.9	42.4	42.9	49.1	43.5	42.6	46.3	45.23
—	—	—	—	—	—	—	—	—	—	—	—	—
43.1	—	36.5	32.9	36.5	37.1	41.2	45.0	45.1	43.0	39.8	40.8	41.17
59.5	41.5	34.2	32.5	32.3	39.1	36.0	34.9	33.7	34.3	33.4	33.8	39.95
40.8	41.3	39.5	41.4	46.4	40.9	41.0	42.1	45.6	47.4	46.3	40.2	40.24
60.7	63.4	57.6	52.0	51.8	50.8	48.8	44.2	41.7	41.6	41.9	43.8	52.77
34.4	34.3	33.3	32.1	31.9	29.7	30.5	30.3	31.1	29.1	29.3	31.5	38.19
34.9	34.9	34.1	37.4	40.5	40.5	39.0	35.0	33.4	34.6	35.7	38.0	35.48
—	—	—	—	—	—	—	—	—	—	—	—	—
56.0	— ^b	53.2	51.9	49.8	53.2	48.6	49.8	46.1	41.5	45.4	55.4	52.65
50.2	45.9	44.3	45.9	52.7	41.7	45.5	39.7	41.7	53.4	55.7	52.7	52.75
49.8	52.8	54.5	50.7	55.2	59.4	55.4	52.5	53.1	51.2	49.9	42.4	49.40
45.1	40.5	39.1	42.0	42.5	41.5	40.6	42.6	40.2	40.4	41.6	45.8	45.53
49.3	46.2	42.0	40.6	42.9	44.7	43.5	41.0	40.2	39.2	39.6	40.7	46.94
43.3	45.6	48.6	50.6	53.2	54.6	—	48.0	45.9	46.5	47.6	49.1	43.81
—	—	—	—	—	—	—	—	—	—	—	—	—
56.3	54.0	58.6	59.5	58.7	61.5	61.6	62.3	60.4	63.2	62.9	64.0	58.50
66.0	61.2	61.2	63.3	65.9	66.5	64.6	64.4	64.6	65.2	64.3	65.1	65.31
56.7	56.1	51.4	46.2	46.2	49.7	51.1	48.3	47.4	50.1	50.5	51.2	58.37
52.9	48.8	42.7	38.1	37.6	39.2	32.7	28.1	39.2	44.0	44.0	47.0	47.95
58.9	50.8	42.0	41.8	46.5	49.8	46.1	43.2	41.7	42.0	43.5	46.1	48.98
41.8	46.2	44.1	45.2	46.2	45.6	45.7	46.5	— ^b	23.3	23.4	24.2	41.40
—	—	—	—	—	—	—	—	—	—	—	—	—
49.9	43.0	41.7	41.7	45.4	50.1	51.1	48.1	47.2	48.4	49.5	50.1	48.25
50.9	50.2	49.1	46.1	45.9	47.7	47.5	46.5	46.3	46.2	46.2	46.4	50.33
49.9	—	43.5	42.4	41.4	42.1	41.1	39.3	38.1	35.1	38.3	41.0	46.02
47.62	45.38	43.37	41.98	43.25	43.78	42.52	41.45	41.19	41.07	41.71	42.88	45.05

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

61.0	°	°	°	°	°	60.8	°	61.0	°	59.0	°	°
55.2	..	57.0	..	58.0	..	58.2	..	58.0	..	57.5	..	56.98
57.2	..	58.5	..	62.5	..	64.2	..	64.2	..	63.5	..	59.38
56.2	..	58.2	..	59.2	..	59.5	..	59.2	..	58.0	..	58.63
55.0	..	56.6	..	56.5	..	56.0	..	54.0	..	53.0	..	56.15
50.2	..	53.0	..	54.5	..	54.5	..	54.0	..	53.5	..	52.09
—	..	—	..	—	..	—	..	—	..	—	..	—
52.0	..	54.5	..	55.5	..	55.0	..	54.5	..	54.2	..	53.62
53.0	..	55.6	..	57.5	..	57.5	..	57.0	..	56.5	..	54.74
53.5	..	54.8	..	56.0	..	55.0	..	53.4	..	51.8	..	54.57
47.0	..	49.0	..	51.5	..	52.5	..	52.5	..	52.8	..	49.59
55.0	..	56.5	..	57.5	..	58.2	..	58.2	..	57.0	..	54.65
56.2	..	57.2	..	57.0	..	56.5	..	55.5	..	55.0	..	56.20
—	..	—	..	—	..	—	..	—	..	—	..	—
47.0	..	50.0	..	52.0	..	53.0	..	52.5	..	52.5	..	50.39
51.0	..	54.0	..	55.2	..	56.0	..	55.5	..	55.0	..	53.78
52.6	..	52.5	..	53.0	..	53.0	..	53.2	..	53.0	..	53.44
52.0	..	55.5	..	56.5	..	56.5	..	56.0	..	55.0	..	53.92
52.8	..	55.0	..	56.8	..	56.8	..	56.5	..	56.0	..	54.11
54.8	..	54.2	..	54.0	..	—	..	53.5	..	53.2	..	55.06
—	..	—	..	—	..	—	..	—	..	—	..	—
48.5	..	49.0	..	49.0	..	48.6	..	48.0	..	47.5	..	49.27
45.0	..	47.0	..	47.4	..	47.5	..	47.0	..	46.5	..	46.10
47.4	..	50.2	..	53.0	..	52.5	..	52.0	..	51.5	..	48.42
50.0	..	54.4	..	55.6	..	57.5	..	55.2	..	53.5	..	52.32
50.4	..	53.8	..	54.0	..	54.2	..	54.5	..	54.4	..	52.39
54.0	..	53.8	..	54.2	..	55.0	..	59.0°	..	59.0	..	54.72
—	..	—	..	—	..	—	..	—	..	—	..	—
52.0	..	54.6	..	54.8	..	54.2	..	53.6	..	53.0	..	53.66
51.4	..	52.8	..	54.2	..	54.5	..	54.0	..	53.2	..	52.42
52.0	..	54.8	..	56.2	..	57.0	..	56.2	..	55.0	..	53.76
51.98	..	53.94	..	55.06	..	55.34	..	54.73	..	54.27	..	53.47

° Omitted in the means.

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.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
JUNE.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
	1	43.2	44.1	46.2	39.9	44.5	47.5	51.4	52.3	—	56.9	60.6	57.2
	2	56.8	56.3	55.5	54.0	61.6	61.2	58.6	58.5	—	57.4	53.1	48.9
	3	46.1	48.4	48.3	39.4	45.2	48.3	42.8	45.9	49.1	48.4	47.9	47.6
	4	49.8	52.2	49.9	—	—	—	—	—	—	—	—	—
	5	—	—	—	65.8	67.0	—	67.2	64.1	67.9	65.4	59.2	54.6
	6	59.0	55.4	60.9	54.4	59.9	59.0	59.6	58.9	—	60.6	60.9	60.9
	7	59.4	59.0	59.3	50.0	52.2	56.3	63.8	58.8	64.2	65.9	65.4	69.7
	8	73.2	74.3	77.1	71.2	—	76.9	78.5	79.3	78.5	76.4	77.6	77.9
	9	76.8	81.6	69.6	64.9	76.5	84.2	80.5	81.6	80.7	80.7	80.7	80.6
	10	72.9	72.6	75.2	64.6	68.1	74.2	76.2	79.1	78.9	74.2	72.7	71.2
	11	—	73.2	76.0	—	—	—	—	—	—	—	—	—
	12	—	—	—	80.3	77.5	77.2	77.6	77.6	76.0	73.4	74.0	68.2
	13	—	77.6	—	62.2	66.3	74.2	77.4	82.9	80.0	83.3	80.7	81.2
	14 ^b	72.6	68.4	72.7	65.1	—	63.8	59.5	61.5	60.8	58.8	55.3	54.2
	15	56.4	56.8	56.8	52.5	58.2	59.6	59.4	58.0	57.6	57.9	56.7	56.9
	16	60.3	56.9	61.3	49.0	—	54.8	62.2	56.3	64.2	64.1	65.2	65.6
	17	62.8	63.8	63.0	52.4	60.7	63.2	61.9	64.6	64.2	63.3	61.1	61.7
	18	—	57.1	46.6	—	—	—	—	—	—	—	—	—
	19	—	—	—	49.8	48.5	47.5	50.5	14.9	7.8	9.5	11.9	25.6
	20	53.3	54.0	52.6	47.7	55.8	57.8	58.8	58.5	65.0	65.0	65.7	65.7
	21	69.7	71.4	73.2	68.3	70.7	72.0	70.8	71.7	71.0	71.0	69.2	68.0
	22	68.5	68.9	—	65.9	66.7	68.6	72.2	67.3	69.7	69.0	68.4	53.2
	23	65.2	53.3	56.8	66.5	65.9	65.9	62.7	62.5	64.4	54.0	56.5	84.8
	24	78.2	72.0	74.2	69.7	—	—	81.2	81.2	80.2	82.2	83.4	72.4
	25	79.6	65.5	76.0	—	—	—	—	—	—	—	—	—
	26	—	—	—	79.1	85.0	—	85.2	85.8	83.7	83.5	83.3	82.5
	27	79.1	79.2	82.3	76.8	88.0	85.1	86.0	84.8	84.1	84.7	85.0	81.3
	28	74.6	61.5	72.8	71.7	72.2	73.5	75.6	61.6	73.3	74.4	75.3	74.6
	29	64.2	67.3	64.9	50.0	—	68.3	68.6	70.4	66.0	67.2	68.3	66.5
30	75.7	74.5	73.1	69.2	75.8	74.4	76.4	76.4	76.1	75.8	75.8	75.8	
Hourly Means	64.76	63.88	63.98	60.61	—	65.90	68.20	66.12	68.30	66.57	66.34	66.10	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JUNE.	°	°	°	°	°	°	°	°	°	°	°	°	
	1	56.0	..	53.0	..	54.0	..	51.5	..	—	..	49.5	..
	2	50.5	..	50.5	..	50.5	..	50.5	..	—	..	50.8	..
	3	54.0	..	53.6	..	54.5	..	55.2	..	53.5	..	53.0	..
	4	52.5	..	52.0	..	—	..	—	..	—	..	—	..
	5	—	..	—	..	48.0	..	48.8	..	48.0	..	50.2	..
	6	51.2	..	51.2	..	51.5	..	51.0	..	—	..	50.4	..
	7	52.0	..	51.0	..	51.0	..	49.2	..	48.8	..	47.8	..
	8	45.2	..	45.0	..	—	..	43.5	..	43.0	..	43.0	..
	9	44.6	..	43.8	..	44.2	..	43.8	..	43.2	..	43.2	..
	10	45.0	..	45.0	..	46.5	..	45.0	..	46.0	..	46.5	..
	11	—	..	46.2	..	—	..	—	..	—	..	—	..
	12	—	..	—	..	46.0	..	45.8	..	45.5	..	45.5	..
	13	—	..	45.0 ^b	..	48.2	..	45.0	..	43.5	..	43.2	..
	14 ^b	49.0	..	50.0	..	—	..	51.2	..	52.0	..	52.4	..
	15	54.5	..	54.0	..	54.0	..	53.2	..	53.0	..	52.5	..
	16	52.2	..	51.8	..	—	..	50.5	..	50.2	..	49.0	..
	17	50.5	..	50.5	..	50.8	..	50.5	..	50.0	..	50.0	..
	18	—	..	52.5	..	—	..	—	..	—	..	—	..
	19	—	..	—	..	56.5	..	56.5	..	60.0	..	59.8	..
	20	53.5	..	53.0	..	52.5	..	51.0	..	49.5	..	49.0	..
	21	48.0	..	47.5	..	47.8	..	47.5	..	47.4	..	47.2	..
	22	49.5	..	—	..	49.0	..	47.5	..	47.5	..	47.0	..
	23	51.2	..	50.8	..	51.0	..	50.6	..	50.5	..	50.5	..
	24	46.0	..	46.2	..	—	..	44.8	..	44.0	..	43.5	..
	25	44.5	..	45.4	..	—	..	—	..	—	..	—	..
	26	—	..	—	..	44.0	..	43.8	..	43.0	..	41.5	..
	27	44.0	..	43.0	..	43.0	..	42.4	..	42.0	..	40.8	..
	28	46.0	..	46.0	..	46.0	..	45.2	..	45.5	..	45.0	..
	29	48.0	..	47.4	..	48.8 ^b	..	47.6	..	46.8	..	46.2	..
30	45.8	..	45.5	..	45.0	..	44.5	..	44.0	..	43.5	..	
Hourly Means	49.30	..	48.91	..	49.24	..	48.20	..	47.50	..	47.54	..	

^a Omitted in the means; temperature not recorded.

^b Omitted in the means, in consequence of irregularity.

VERTICAL FORCE.												
One Scale Division = .000039 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00021.												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
56.4	57.0	58.2	59.3	65.7	72.8	67.1	55.2	58.9	61.1	55.9	55.8	55.10
52.6	54.1	57.8 ^a	61.5	52.4	51.5	50.6	47.7	44.3	39.8	41.9	43.5	52.81
46.5	46.3	48.2	50.0	46.2	45.8	45.0	45.4	44.9	46.5	48.5	47.1	46.58
—	—	—	—	—	—	—	—	—	—	—	—	61.16
53.5	58.3	63.9	66.4	66.8	66.3	64.3	63.8	62.3	58.9	59.5	59.5	57.06
61.0	52.5	53.6	48.1	48.2	58.5	62.2	61.7	48.5	52.1	55.7	60.8	65.48
66.3	68.1	68.1	68.3	72.0	75.3	78.7	75.0	67.6	64.8	72.6	70.8	72.29
70.8	62.9	62.6	66.7	71.7	69.3	67.2	69.6	57.3	71.1	78.2	74.3	77.83
78.6	82.1	84.6	75.0	78.7	78.7	77.4	74.4	72.1	74.6	76.0	77.4	72.61
68.1	73.4	72.4	72.3	74.6	77.5	73.5	70.8	69.7	69.8	68.5	72.1	74.10
—	—	—	—	—	—	—	—	—	—	—	—	73.97
72.0	69.7	74.1	75.6	70.1	72.8	76.7	79.8	71.4	74.9	68.0	68.1	—
83.2	90.2	61.7	73.6	74.7	75.0	75.0	69.3	63.3	61.8	62.3	71.4	55.07
36.7	37.4	34.1	—	—	38.1	41.8	34.3	34.3	42.7	50.5	58.4	61.57
46.6	44.7	47.0	52.9	59.7	54.4	53.0	53.0	51.0	53.5	58.0	61.1	61.57
66.0	64.5	63.9	63.1	63.2	64.7	63.0	61.3	60.4	61.5	61.9	62.8	59.40
60.6	60.6	51.5	57.4	57.7	58.6	58.7	57.5	56.2	54.2	55.3	54.7	36.58
—	—	—	—	—	—	—	—	—	—	—	—	62.53
32.0	19.4	32.9	30.6	38.3	42.3	42.2	43.7	44.5	46.5	49.1	50.1	66.23
62.5	65.4	66.0	67.0	69.1	68.0	67.1	67.2	66.5	66.0	67.2	68.7	61.08
66.6	63.5	60.7	60.1	61.8	65.0	62.4	60.6	60.9	58.9	61.9	60.1	67.54
49.2	51.8	48.2	53.3	53.1	56.8	58.7	62.6	54.0	60.8	60.2	57.7	79.42
62.4	64.0	64.3	62.5	72.8	79.9	77.9	79.8	78.7	60.9	77.7	81.5	—
78.3	83.1	83.1	77.7	84.2	86.4	86.7	82.3	75.6	77.6	79.8	77.7	80.10
—	—	—	—	—	—	—	—	—	—	—	—	80.38
77.2	79.9	81.9	78.7	75.5	79.3	80.7	81.7	81.2	79.8	77.0	80.3	71.80
80.9	80.8	80.1	80.2	80.0	82.7	82.7	80.4	75.7	74.3	74.2	60.8	68.57
73.9	74.1	75.4	79.1	79.9	81.6	81.3	73.4	50.7	64.2	64.2	64.4	73.58
66.4	55.5	69.4	71.1	73.0	75.1	76.9	76.7	72.9	70.0	72.5	75.8	—
71.7	69.6	71.6	72.5	82.1	71.4	75.0	70.1	67.4	69.7	72.1	73.8	65.33
64.13	63.66	64.31	64.92	66.86	68.39	68.16	66.52	62.24	62.93	64.73	65.21	65.33

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
49.0	..	49.0	..	49.2	..	50.0	..	50.0	..	50.0	..	51.02
50.8	..	—	..	52.5	..	54.0	..	54.0	..	55.5	..	47.24
52.5	..	53.2	..	54.5	..	55.0	..	54.2	..	53.6	..	53.90
—	..	—	..	—	..	—	..	—	..	—	..	50.52
51.8	..	51.0	..	50.0	..	51.2	..	51.2	..	51.5	..	52.30
50.5	..	53.5	..	55.0	..	53.5	..	55.0	..	52.5	..	48.67
47.8	..	48.0	..	48.0	..	47.5	..	47.2	..	45.8	..	44.72
42.5	..	46.0	..	46.2	..	46.5	..	46.0	..	45.0	..	44.07
44.0	..	44.2	..	44.2	..	44.6	..	44.0	..	45.0	..	46.58
47.0	..	47.5	..	48.0	..	48.0	..	47.5	..	47.0	..	46.65
—	..	—	..	—	..	—	..	—	..	—	..	46.67
46.0	..	47.5	..	48.0	..	48.0	..	47.6	..	47.0	..	—
43.8	..	47.0	..	47.0	..	49.0	..	50.5	..	49.5	..	54.00
55.0	..	56.0	..	—	..	58.5	..	58.0	..	55.2	..	50.61
53.8	..	54.0	..	55.0	..	53.5	..	55.0	..	53.5	..	51.17
49.0	..	50.0	..	51.0	..	51.0	..	51.0	..	51.0	..	—
50.5	..	51.0	..	52.0	..	52.8	..	53.0	..	52.5	..	56.70
—	..	—	..	—	..	—	..	—	..	—	..	50.19
56.8	..	57.0	..	57.0	..	57.0	..	56.0	..	54.6	..	48.85
48.5	..	49.0	..	49.4	..	49.4	..	49.0	..	48.5	..	50.19
47.2	..	50.2	..	51.0	..	52.0	..	50.4	..	50.0	..	48.87
50.4	..	52.0	..	53.0	..	52.8	..	52.4	..	51.0	..	44.41
47.4	..	46.4	..	47.0	..	46.8	..	46.5	..	47.8	..	—
43.5	..	43.5	..	44.0	..	44.6	..	44.2	..	44.2	..	43.68
—	..	—	..	—	..	—	..	—	..	—	..	43.01
42.0	..	43.0	..	43.8	..	44.2	..	44.5	..	44.5	..	45.85
41.8	..	41.5	..	43.8	..	44.2	..	44.6	..	45.0	..	46.64
45.4	..	45.0	..	45.0	..	45.6	..	47.5	..	48.0	..	45.36
45.6	..	47.0	..	45.8	..	46.2	..	46.2	..	46.2	..	—
44.0	..	44.6	..	46.0	..	47.2	..	47.2	..	47.0	..	48.47
47.66	..	48.38	..	49.06	..	49.46	..	49.39	..	49.05	..	—

VERTICAL FORCE.													
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00021.													
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 .	
JULY.	1	75.9	79.6	71.6	73.3	73.9	73.9	72.5	72.5	72.7	73.0	76.5	74.9
	2	—	98.8	99.4	—	—	—	—	—	—	—	—	—
	3	—	—	—	54.5	53.0	50.7	53.2	49.5	43.7	54.8	71.7	94.8
	4	47.8	70.3	31.7	66.6	46.7	53.6	57.2	67.3	67.8	69.4	66.9	73.6
	5	77.5	73.5	72.9	75.8	76.2	77.7	77.0	76.8	76.9	75.2	74.5	73.0
	6	82.5	81.9	81.3	75.1	80.4	80.8	80.1	80.0	80.7	81.7	81.7	76.8
	7	73.5	73.8	66.8	63.3	74.7	75.0	75.2	73.9	73.8	73.4	73.3	70.8
	8	64.4	64.3	62.5	56.9	65.9	66.7	67.5	67.5	—	66.8	65.9	62.7
	9	59.7	65.6	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	67.5	67.5	67.9	69.4	71.2	73.7	69.3	64.3
	11	73.4	82.2	78.6	71.1	80.1	79.7	77.9	78.8	75.0	73.7	71.3	71.3
	12	67.0	61.7	66.3	55.6	65.5	69.0	64.8	64.8	63.2	62.8	60.6	50.1
	13	—	67.7	69.5	58.7	62.5	64.7	67.0	72.8	68.9	67.8	71.6	72.6
	14	69.0	71.0	70.3	64.6	71.1	72.9	72.4	72.2	71.9	70.9	70.0	68.8
	15	66.1	68.1	71.1	68.4	70.2	71.2	70.4	71.2	71.3	71.2	69.3	69.3
	16	67.6	67.6	68.1	—	—	—	—	—	—	—	—	—
	17	—	—	—	68.7	68.7	70.3	72.3	72.2	71.6	69.9	69.5	68.7
	18	69.5	63.4	66.8	65.7	68.6	69.5	69.3	68.5	68.7	69.5	69.8	68.8
	19	69.5	71.2	71.6	63.0	67.9	70.8	70.2	69.4	71.7	70.6	71.3	67.7
	20	58.2	60.5	63.2	59.3	60.3	61.0	61.1	58.4	57.4	56.7	59.0	43.7
	21	38.6	41.2	40.5	46.4	41.4	41.8	43.1	45.3	45.3	43.9	45.0	—
	22	64.9	66.5	70.8	66.8	69.1	72.5	75.2	72.6	71.7	71.8	71.6	71.3
	23	64.4	63.0	57.5	—	—	—	—	—	—	—	—	—
	24	—	—	—	68.9	68.3	69.3	70.0	71.3	71.9	71.7	71.4	71.4
	25	73.2	77.1	77.7	77.2	78.5	78.5	78.9	79.4	79.6	79.8	79.8	79.6
	26	72.6	72.7	73.3	74.3	74.1	74.1	72.5	70.5	70.1	67.1	67.4	62.1
	27	60.0	69.7	70.0	67.6	69.5	68.8	69.5	68.8	67.1	66.0	64.8	64.8
	28	70.3	74.9	72.5	67.5	67.5	69.4	72.5	75.5	74.5	76.6	77.8	77.3
	29	80.2	77.6	79.5	79.5	79.4	78.1	84.1	83.0	81.1	82.6	76.2	75.5
	30	78.5	81.3	80.3	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	82.4	82.5	79.7	82.6	84.3	83.8	89.2	83.2
Hourly Means	68.54	69.84	69.68	66.71	70.15	71.07	71.30	71.56	71.33	70.84	70.70	69.07	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JULY.	1	46.4	°	46.2	°	46.0	°	45.6	°	45.5	°	45.5	°
	2	48.0 ^b	°	47.5	°	—	°	—	°	—	°	—	°
	3	—	°	—	°	51.2	°	51.4	°	52.0	°	52.0	°
	4	53.0	°	53.0	°	51.5	°	50.8	°	50.4	°	49.0	°
	5	48.4	°	48.0	°	47.6	°	47.2	°	47.0	°	46.8	°
	6	45.8	°	45.2	°	45.5	°	44.8	°	44.2	°	44.0	°
	7	47.2	°	49.0	°	48.0	°	47.5	°	47.0	°	47.2	°
	8	50.0	°	49.6	°	50.5	°	50.2	°	—	°	49.0	°
	9	53.5	°	—	°	—	°	—	°	—	°	—	°
	10	—	°	—	°	48.0	°	48.0	°	47.5	°	47.5	°
	11	47.5	°	47.0	°	47.5	°	46.8	°	46.8	°	47.0	°
	12	50.5	°	51.0	°	51.0	°	50.4	°	50.4	°	50.2	°
	13	—	°	48.8	°	50.5	°	48.0	°	47.5	°	47.2	°
	14	48.6	°	48.4	°	48.2	°	48.0	°	47.2	°	46.8	°
	15	48.8	°	48.2	°	48.0	°	47.2	°	47.5	°	46.6	°
	16	49.8	°	49.0	°	—	°	—	°	—	°	—	°
	17	—	°	—	°	47.0	°	47.0	°	46.8	°	46.2	°
	18	49.4	°	48.8	°	48.0	°	47.2	°	46.5	°	46.0	°
	19	48.0	°	48.5	°	49.0	°	48.0	°	47.5	°	47.0	°
	20	50.0	°	50.4	°	51.5	°	51.5	°	51.8	°	53.2	°
	21	59.5	°	59.0	°	58.5	°	58.0	°	57.0	°	56.4	°
	22	50.0	°	49.0	°	49.0	°	48.0	°	47.5	°	46.8	°
	23	50.0	°	50.0	°	—	°	—	°	—	°	—	°
	24	—	°	—	°	49.8	°	48.8	°	48.0	°	47.5	°
	25	46.4	°	45.8	°	45.5	°	45.0	°	44.0	°	43.6	°
	26	46.4	°	46.5	°	47.0	°	47.0	°	47.4	°	48.0	°
	27	49.5	°	49.0	°	49.0	°	49.0	°	48.0	°	47.5	°
	28	47.0	°	46.2	°	46.5	°	45.0	°	44.0	°	43.8	°
	29	43.8	°	43.5	°	44.0	°	43.8	°	43.2	°	43.2	°
	30	44.8	°	44.5	°	—	°	—	°	—	°	—	°
	31	—	°	—	°	43.5	°	43.0	°	42.2	°	41.8	°
Hourly Means	48.75	°	48.33	°	48.30	°	47.71	°	47.15	°	47.03	°	

^a Observations from 1st day 18th hour to 4th day 17th hour, omitted in the hourly means.

VERTICAL FORCE.
One Scale Division = $\cdot 000038$ parts of the V.F. Changes in the Magnetic moment of the Bar for 1° Fah $^{\circ}$ = $\cdot 00021$.

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. 70.9	Sc. Div. 74.5	Sc. Div. 78.9	Sc. Div. 68.7	Sc. Div. 70.7	Sc. Div. 74.8	Sc. Div. 51.3 ^a	Sc. Div. 96.1	Sc. Div. 90.6	Sc. Div. 105.7	Sc. Div. —	Sc. Div. —	Sc. Div. 73.82
—	—	—	—	—	—	—	—	—	—	—	—	—
73.3	89.6	102.8	88.5	115.0	107.3	122.8	121.1	—	67.7	70.9	61.7	79.31
70.6	69.1	71.2	75.0	81.6	81.7	81.7	70.6	70.7	69.6	76.8	70.0	73.23
72.6	69.9	67.7	73.0	78.1	76.6	81.5	82.3	85.8	79.9	78.5	78.0	76.29
82.6	80.0	83.2	79.4	80.9	82.6	78.6	85.4	81.7	74.7	72.6	71.8	79.85
67.6	67.6	68.5	68.6	69.6	69.1	—	65.2	61.8	61.8	61.8	63.3	69.23
64.5	61.4	59.7	59.0	63.1	60.9	63.4	70.0	57.0	58.9	58.5	58.5	62.87
—	—	—	—	—	—	—	—	—	—	—	—	—
64.6	64.9	62.8	66.0	67.0	69.6	70.1	69.0	72.5	69.3	66.5	64.0	67.38
67.9	67.9	67.9	72.7	69.1	69.4	68.0	66.2	61.0	60.2	62.7	64.6	71.28
58.1	62.5	66.5	71.9	71.4	69.7	67.5	62.5	62.4	63.1	63.7	65.6	64.01
75.1	72.2	73.4	75.3	72.9	72.2	69.7	68.0	66.6	67.0	68.2	68.7	69.72
59.0	63.3	64.0	65.8	67.4	69.0	68.9	68.1	63.7	64.9	68.9	65.9	68.08
70.4	68.6	65.5	64.2	65.1	69.6	61.0	55.6	54.3	59.4	60.1	65.2	66.53
—	—	—	—	—	—	—	—	—	—	—	—	—
66.9	66.1	—	65.4	67.5	66.1	65.2	59.8	56.7	57.3	61.4	65.4	66.65
68.7	70.2	73.6	77.9	77.4	71.6	74.4	72.8	74.1	78.7	69.9	71.8	70.80
66.7	68.1	67.4	66.8	69.1	68.0	75.0	72.1	73.5	69.9	65.2	62.5	69.13
39.2	38.7	37.3	38.5	33.0	37.8	38.8	38.8	37.3	35.4	36.7	36.7	47.79
51.1	53.8	56.0	61.4	63.8	63.8	63.0	63.0	62.7	61.9	61.3	65.2	52.15
69.5	67.3	65.2	66.4	67.6	69.7	—	72.8	73.5	66.3	66.0	65.5	69.33
—	—	—	—	—	—	—	—	—	—	—	—	—
72.2	69.9	76.7	80.3	82.6	80.8	74.4	67.7	69.5	70.3	72.0	75.6	71.30
81.8	83.3	85.3	85.2	81.7	78.4	79.2	74.3	75.3	73.4	72.7	73.4	78.47
58.9	61.7	66.8	63.3	62.3	61.7	61.5	61.1	62.0	68.2	70.9	57.3	66.94
61.7	60.2	65.3	67.0	68.2	68.6	67.7	66.0	63.5	64.4	65.5	66.9	66.32
75.5	78.0	82.9	79.4	79.4	80.7	80.7	82.0	80.3	78.8	80.3	81.8	76.50
74.8	78.4	89.1	81.2	81.2	85.2	83.5	80.0	75.4	75.5	74.9	79.2	79.80
—	—	—	—	—	—	—	—	—	—	—	—	—
77.1	75.8	—	—	67.9	78.2	64.9	65.8	—	61.5	71.5	60.9	76.57
67.39	67.68	69.26	69.45	69.88	70.59	69.94	68.30	67.01	66.27	66.94	66.57	69.55

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

45.2	..	45.2	..	46.2	..	46.0 ^a	..	47.8	..	48.0 ^b	..	45.96
—	..	—	..	—	..	—	..	—	..	—	..	—
52.2	..	54.2	..	55.0	..	55.0	..	54.8 ^b	..	54.0	..	52.45
48.0	..	48.8	..	49.0	..	49.0	..	49.0	..	48.8	..	50.02
46.8	..	48.0	..	47.2	..	47.2	..	46.2	..	45.8	..	47.18
44.0	..	44.8	..	46.0	..	46.2	..	47.0	..	47.0	..	45.37
47.6	..	49.0	..	49.5	..	—	..	50.2	..	50.2	..	48.40
48.5	..	50.0	..	52.0	..	53.0	..	53.5	..	53.2	..	50.86
—	..	—	..	—	..	—	..	—	..	—	..	—
47.6	..	49.0	..	49.2	..	49.0	..	49.0	..	48.0	..	48.75
47.4	..	48.5	..	49.6	..	50.5	..	50.8	..	50.6	..	48.33
50.8	..	50.8	..	50.0	..	50.0	..	50.0	..	49.5	..	50.38
46.8	..	47.2	..	48.0	..	48.5	..	49.0	..	49.0	..	48.23
48.2	..	48.2	..	49.0	..	50.0	..	50.0	..	49.2	..	48.48
46.0	..	48.0	..	49.2	..	51.0	..	52.0	..	50.5	..	48.58
—	..	—	..	—	..	—	..	—	..	—	..	—
47.0	..	—	..	49.5	..	50.2	..	50.5	..	51.4	..	48.58
45.8	..	45.8	..	46.8	..	47.4	..	48.0	..	48.0	..	47.31
47.2	..	47.2	..	48.0	..	48.5	..	49.0	..	49.5	..	48.12
56.0	..	57.0	..	59.0	..	59.0	..	59.0	..	59.0	..	54.78
53.0	..	52.0	..	52.0	..	51.8	..	51.0	..	50.5	..	54.89
47.2	..	48.5	..	49.5	..	—	..	49.8	..	50.0	..	48.66
—	..	—	..	—	..	—	..	—	..	—	..	—
47.0	..	47.8	..	47.8	..	47.6	..	47.2	..	47.0	..	48.21
43.0	..	43.0	..	43.8	..	44.6	..	45.5	..	46.0	..	44.68
48.8	..	49.0	..	50.0	..	50.2	..	50.5	..	50.0	..	48.40
47.8	..	48.8	..	49.0	..	49.0	..	49.0	..	48.0	..	48.63
43.2	..	43.2	..	44.0	..	44.0	..	44.0	..	44.0	..	44.57
43.5	..	44.0	..	44.4	..	44.5	..	45.5	..	45.0	..	44.03
—	..	—	..	—	..	—	..	—	..	—	..	—
42.4	..	45.2 ^b	..	46.0	..	46.4	..	—	..	46.2	..	44.08
47.12	..	47.95	..	48.57	..	48.98	..	49.38	..	49.02	..	48.38

^b Omitted in the means.

VERTICAL FORCE.													
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00021.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
AUGUST.	1	64.4	62.7	59.7	55.7	60.2	62.2	64.7	59.5	—	64.2	64.4	59.0
	2	51.3	51.5	53.1	51.7	53.8	54.9	55.3	55.7	56.6	56.6	57.0	58.0
	3	47.8	47.6	48.4	42.6	—	56.4	50.0	50.0	50.0	50.2	49.2	49.9
	4	43.4	44.4	46.5	46.9	46.8	45.5	47.4	47.6	48.7	46.9	46.5	44.6
	5	68.9	57.2	61.2	64.6	62.7	62.7	62.2	59.7	61.0	60.1	60.8	61.5
	6	63.7	63.7	59.6	—	—	—	—	—	—	—	—	—
	7	—	—	—	62.8	61.2	62.4	62.6	60.7	58.3	57.4	61.2	62.0
	8	54.2	57.3	60.3	59.2	60.4	62.3	60.9	64.6	62.7	61.4	60.7	60.7
	9	49.6	53.0	52.9	51.4	53.8	55.8	57.8	60.0	58.1	58.0	57.9	57.8
	10	58.2	58.2	58.2	56.1	59.9	60.5	59.9	61.4	61.4	61.7	64.7	67.9
	11	66.3	74.0	61.7	68.7	67.6	65.5	67.1	68.0	67.5	67.5	67.5	65.7
	12	73.5	66.8	65.4	62.7	59.7	63.0	66.0	56.6	59.4	62.0	60.1	59.2
	13	46.5	48.2	48.2	—	—	—	—	—	—	—	—	—
	14	—	—	—	39.5	25.7	—	47.3	46.3	50.6	58.2	51.4	45.1
	15	47.1	49.3	47.9	41.8	42.7	45.1	46.0	46.8	44.6	43.8	43.8	43.1
	16	30.6	30.6	30.5	32.1	33.6	34.7	34.9	35.7	—	—	38.6	36.9
	17	50.7	44.7	55.7	53.2	58.3	58.4	57.5	59.3	59.3	57.7	56.4	54.7
	18	44.0	51.8	54.3	47.2	44.6	50.8	50.1	56.7	53.3	49.9	49.9	51.6
	19	50.0	50.0	50.4	51.1	54.9	52.0	47.4	54.3	56.5	60.7	76.1	53.5
	20	50.5	52.5	50.8	—	—	—	—	—	—	—	—	—
	21	—	—	—	53.5	53.5	55.6	57.2	58.7	54.5	57.9	56.5	62.6
	22	55.5	55.4	—	54.0	54.6	54.4	51.9	51.2	—	48.0	49.4	50.9
	23	53.2	43.9	46.8	45.2	48.5	48.5	49.2	47.5	49.4	49.4	48.0	46.7
	24	46.3	44.2	47.1	40.7	—	48.3	33.9	40.6	42.5	44.0	44.3	47.8
	25	34.9	38.5	42.7	40.0	39.3	49.0	50.9	47.6	49.9	48.4	47.9	51.0
	26	34.6	35.6	37.5	34.3	—	37.2	37.8	37.8	37.7	38.6	38.2	32.4
	27	17.7	24.7	21.2	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	55.7	59.3	61.0	60.5	61.1	60.6	59.2	55.3
	29	50.6	51.9	52.1	49.3	52.0	53.6	54.1	53.4	53.4	52.7	51.9	51.0
	30	52.3	51.8	54.7	49.1	52.7	54.5	55.4	55.4	—	55.8	56.8	55.6
	31	48.3	48.7	48.7	45.6	47.4	47.9	49.1	49.5	46.7	44.9	47.5	46.3
Hourly Means	50.15	50.30	50.60	49.96	52.07	53.87	53.24	53.52	54.05	54.48	54.29	52.99	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
AUGUST.	1	46.0	..	45.8	..	45.0	..	44.8	..	—	..	44.0	..
	2	49.0	..	49.0	..	48.5	..	47.8	..	47.2	..	46.6	..
	3	50.0	..	49.8	..	—	..	49.4	..	49.2	..	49.0	..
	4	51.0	..	50.2	..	49.0	..	49.0	..	48.8	..	49.0	..
	5	47.2	..	47.2	..	46.8	..	46.0	..	46.0	..	46.0	..
	6	46.8	..	46.8	..	—	..	—	..	—	..	—	..
	7	—	..	—	..	47.2	..	46.8	..	46.0	..	45.5	..
	8	48.0	..	47.5	..	46.8	..	46.0	..	45.5	..	45.0	..
	9	49.6	..	49.2	..	49.0	..	48.0	..	46.8	..	46.5	..
	10	48.6	..	48.0	..	46.8	..	45.8	..	45.2	..	45.0	..
	11	45.2	..	44.8	..	45.2	..	45.0	..	44.2	..	44.0	..
	12	46.2	..	46.2	..	46.2	..	46.4	..	46.2	..	46.0	..
	13	50.5	..	50.0	..	—	..	—	..	—	..	—	..
	14	—	..	—	..	50.8	..	50.0	..	49.5	..	49.0	..
	15	50.5	..	50.4	..	51.0	..	50.5	..	50.5	..	50.5	..
	16	55.0	..	54.6	..	54.5	..	53.8	..	—	..	52.0	..
	17	49.8	..	48.2	..	47.0	..	46.0	..	45.5	..	45.0	..
	18	49.0	..	49.0	..	48.6	..	48.5	..	48.4	..	48.0	..
	19	48.5	..	48.0	..	47.2	..	46.4	..	45.8	..	45.0	..
	20	49.5	..	49.2	..	—	..	—	..	—	..	—	..
	21	—	..	—	..	47.2	..	46.5	..	46.0	..	45.5	..
	22	47.2	..	—	..	47.5	..	47.8	..	—	..	48.4	..
	23	49.8	..	49.8	..	50.0	..	49.5	..	49.4	..	49.2	..
	24	50.8	..	51.8	..	—	..	50.2	..	49.6	..	49.5	..
	25	52.5	..	51.8	..	51.0	..	50.2	..	49.2	..	48.6	..
	26	53.5	..	53.5	..	—	..	52.4	..	51.8	..	52.0	..
	27	59.5	..	59.5	..	—	..	—	..	—	..	—	..
	28	—	..	—	..	46.0	..	45.2	..	45.0	..	45.0	..
	29	48.8	..	48.5	..	48.2	..	47.8	..	47.0	..	46.6	..
	30	49.0	..	48.2	..	48.6	..	47.2	..	—	..	45.0	..
	31	49.6	..	49.4	..	49.6	..	49.4	..	49.0	..	49.0	..
Hourly Means	49.67	..	49.48	..	48.24	..	48.01	..	47.47	..	47.22	..	

VERTICAL FORCE.												
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00021.												
12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
56.9	54.7	53.9	54.5	56.6	56.0	55.3	53.3	52.5	49.6	49.1	49.1	57.31
57.1	55.9	56.0	55.8	54.2	55.1	54.7	53.3	49.2	45.8	45.6	46.7	53.54
49.7	51.2	52.8	53.1	50.6	48.3	47.1	45.2	43.9	42.0	42.0	42.4	48.28
42.7	49.1	61.7	66.3	55.8	64.6	63.5	58.3	55.0	56.8	64.7	58.7	52.18
56.4	64.3	60.6	60.8	70.1	73.4	76.5	71.1	71.3	57.5	59.7	—	63.67
—	—	—	—	—	—	—	—	—	—	—	—	—
60.4	58.1	—	73.6	72.8	—	56.1	52.5	51.7	54.1	52.0	55.5	60.11
65.6	60.7	60.6	59.4	58.8	54.5	54.8	47.9	45.7	50.4	50.7	52.2	57.75
55.6	55.1	57.4	59.3	60.3	60.3	58.3	54.8	50.1	48.7	50.1	54.6	55.45
56.4	57.5	63.8	65.8	69.6	71.7	75.9	71.0	66.3	64.1	65.0	63.7	63.37
65.2	63.8	66.5	71.0	72.0	74.7	66.5	64.0	60.0	55.5	65.4	71.6	66.80
54.6	55.0	54.0	54.0	50.5	51.9	49.3	46.7	44.7	42.6	45.1	45.7	56.19
—	—	—	—	—	—	—	—	—	—	—	—	—
47.0	50.0	44.5	48.0	46.1	53.3	52.2	49.9	48.9	47.0	46.2	48.5	47.33
35.5	34.7	34.7	35.9	37.8	35.7	33.9	32.1	29.9	29.9	30.4	30.2	39.28
37.0	38.7	40.3	39.3	40.6	46.2	46.8	38.6	37.9	45.2	38.7	49.1	38.03
52.3	50.0	49.0	51.4	57.7	69.3	60.9	56.3	57.7	49.7	47.0	52.0	54.97
48.3	47.5	46.8	48.5	50.4	60.0	55.0	49.8	52.3	59.1	50.7	49.9	50.94
46.7	44.8	43.2	42.0	47.2	48.8	49.7	48.0	48.3	45.3	47.8	49.0	50.74
—	—	—	—	—	—	—	—	—	—	—	—	—
57.6	53.4	54.5	57.5	58.0	57.8	60.4	60.4	54.3	54.2	54.5	55.5	55.91
47.7	49.8	52.8	55.5	51.2	47.8	50.7	47.1	48.8	48.8	52.3	53.5	51.42
46.2	47.9	48.7	49.2	48.6	49.3	48.6	45.9	41.8	43.4	42.6	41.2	47.07
46.0	46.0	52.0	43.5	39.5	42.5	41.9	41.5	36.4	38.1	37.2	38.7	42.74
49.7	49.7	45.6	44.4	45.1	45.3	41.2	37.5	33.7	31.4	33.7	34.7	43.00
32.2	31.5	33.8	30.3	33.3	29.2	31.5	32.9	30.7	25.5	20.0	21.3	32.78
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	50.6	51.6	54.0	54.7	55.9	55.9	53.4	52.4	49.9	48.8	49.5	50.84
47.7	51.1	47.7	51.0	54.4	54.6	53.6	51.3	50.4	49.8	48.9	51.1	51.57
55.0	55.0	56.1	59.0	—	56.3	54.3	50.9	47.6	47.6	47.0	45.9	53.13
44.8	44.8	45.3	46.0	47.7	46.3	39.4	39.6	36.8	35.0	35.8	35.8	44.50
50.77	50.77	51.38	52.93	53.22	54.18	53.11	50.12	48.09	46.93	47.07	47.93	51.31

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
44.5	..	46.5	..	47.5	..	49.0	..	49.5	..	49.4	..	46.55
46.2	..	47.5	..	48.6	..	49.5	..	50.5	..	50.0	..	48.37
49.0	..	49.2	..	50.6	..	51.2	..	51.4	..	51.4	..	50.02
48.4	..	48.5	..	48.8	..	48.2	..	48.2	..	48.2	..	48.94
46.0	..	46.2	..	46.2	..	46.6	..	46.8	..	47.0	..	46.50
—	..	—	..	—	..	—	..	—	..	—	..	—
45.6	..	—	..	47.4	..	47.8	..	48.5	..	48.5	..	46.99
45.8	..	46.8	..	49.0	..	49.8	..	50.0	..	49.8	..	47.50
46.2	..	47.2	..	48.2	..	49.0	..	49.0	..	49.2	..	48.16
44.6	..	44.5	..	45.5	..	45.6	..	45.6	..	45.2	..	45.87
42.5	..	44.4	..	45.0	..	45.4	..	46.0	..	46.0	..	44.81
46.8	..	48.8	..	50.0	..	51.0	..	51.5	..	51.0	..	48.02
—	..	—	..	—	..	—	..	—	..	—	..	—
48.4	..	48.8	..	49.4	..	50.0	..	50.2	..	50.5	..	49.76
52.2	..	53.5	..	54.5	..	55.4	..	55.6	..	55.4	..	52.50
52.0	..	52.4	..	53.0	..	53.0	..	52.2	..	51.2	..	53.06
45.5	..	47.6	..	49.0	..	49.2	..	49.5	..	49.4	..	47.64
48.0	..	48.6	..	49.2	..	49.6	..	49.7	..	49.5	..	48.84
45.8	..	47.6	..	49.0	..	50.0	..	50.5	..	50.0	..	47.82
—	..	—	..	—	..	—	..	—	..	—	..	—
45.0	..	45.8	..	46.2	..	46.5	..	47.0	..	47.0	..	46.78
49.0	..	49.0	..	49.5	..	49.8	..	50.0	..	50.0	..	48.82
49.0	..	49.8	..	50.2	..	50.5	..	51.3	..	51.0	..	49.96
50.0	..	51.0	..	52.2	..	53.0	..	53.2	..	53.0	..	51.30
48.5	..	50.0	..	51.5	..	53.5	..	53.2	..	53.8	..	51.15
53.5	..	54.5	..	55.0	..	56.4	..	56.6	..	58.0	..	54.29
—	..	—	..	—	..	—	..	—	..	—	..	—
45.3	..	46.5	..	48.0	..	48.6	..	49.0	..	49.0	..	48.88
47.0	..	48.4	..	48.8	..	49.6	..	49.5	..	49.2	..	48.28
44.8	..	45.5	..	—	..	48.4	..	49.2	..	49.4	..	47.53
49.0	..	49.5	..	50.8	..	52.5	..	53.0	..	52.8	..	50.30
47.36	..	48.39	..	49.35	..	49.97	..	50.25	..	50.18	..	48.82

VERTICAL FORCE													
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00021.													
Mean Göttingen Time.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
SEPTEMBER.	1 ^a	37.9	38.2	38.3	33.2	—	—	—	39.6	40.0	40.0	39.7	
	2	54.3	46.0	47.9	21.5	29.4	43.2	43.3	42.2	49.4	33.3	34.9	
	3	45.5	45.3	44.9	—	—	—	—	—	—	—	—	
	4	—	—	—	52.2	53.6	53.6	55.1	56.4	59.8	58.4	56.8	54.3
	5	52.1	50.0	52.7	49.0	50.8	51.2	52.4	55.7	42.7	52.9	50.5	50.5
	6	44.6	47.7	47.6	34.2	—	49.3	47.7	47.4	47.8	47.8	45.0	45.5
	7	39.1	44.1	41.4	43.2	45.1	45.1	45.1	47.5	49.3	49.3	49.8	50.0
	8	36.3	22.6	35.9	38.1	38.2	38.2	38.6	38.6	38.4	38.7	39.9	36.5
	9	29.3	31.4	31.4	31.3	34.7	34.3	33.6	40.8	38.1	43.8	37.9	38.4
	10	40.0	38.5	39.7	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	46.2	47.5	48.7	39.8	44.0	43.7	43.8	40.6
	12	47.7	47.6	43.5	47.7	—	45.9	46.0	45.6	43.5	43.0	45.6	47.7
	13	47.5	36.3	34.7	44.8	36.6	44.3	45.3	43.3	41.5	42.8	45.0	55.1
	14	40.5	40.8	38.6	32.5	36.4	40.5	42.7	45.5	45.7	42.5	41.0	41.2
	15	37.8	40.5	39.6 ^b	41.6	39.8	36.3	38.6	39.5	—	42.9	40.2	38.3
	16	40.0	39.6	27.8	36.0	33.0	44.0	35.7	38.4	38.4	39.8	40.7	39.9
	17	41.8	37.1	36.9	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	33.4	33.0	33.6	33.6	36.5	37.2	34.1	34.8
	19	33.8	32.8	37.9	37.8	36.0	37.4	39.0	39.4	36.9	41.6	41.6	32.4
	20	28.7	27.7	32.9	29.6	20.2	37.9	40.3	40.8	—	38.0	29.5	29.3
	21	24.5	36.0	34.9	33.5	27.9	29.3	30.4	32.1	34.0	27.8	31.7	38.6
	22	20.6	16.9	13.1	6.5	12.7	20.1	16.4	16.1	8.0	13.1	12.1	17.9
	23	30.5	30.5	31.8	24.2	32.6	39.4	32.7	36.4	45.8	40.5	42.5	34.2
	24	27.3	28.1	27.6	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	50.2	47.8	48.9	52.7	48.1	48.6	47.9	39.0
	26	27.6	29.2	30.3	28.4	29.6	30.9	32.7	33.2	33.9	33.3	30.7	30.1
	27	23.3	24.5	27.1	23.4	25.7	29.6	33.8	29.0	32.9	32.9	32.0	29.3
	28	26.9	30.2	34.1	34.4	35.4	37.7	39.6	35.0	40.1	41.5	37.2	44.6
	29	44.7	46.1	30.3	38.9	35.8	34.2	42.5	41.8	—	45.5	50.6	52.7
	30	33.7	48.2	47.3	45.6	43.3	39.2	44.4	46.2	48.3	48.8	46.7	50.2
Hourly Means	38.24	38.24	37.86	36.71	35.94	39.60	40.28	40.68	42.85	42.71	41.91	41.90	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
SEPTEMBER.	1 ^a	52.8	..	52.6	..	—	..	—	..	51.2	..	51.0
	2	52.5	..	52.0	..	52.2	..	52.0	..	50.2	..	50.5
	3	52.2	..	52.0	..	—	..	—	..	—	..	..
	4	—	..	—	..	48.0	..	47.0	..	46.2	..	45.8
	5	50.0	..	49.6	..	50.0	..	48.8	..	48.4	..	48.0
	6	51.4	..	51.0	..	—	..	50.5	..	50.0	..	49.6
	7	51.2	..	51.5	..	50.8	..	50.0	..	49.5	..	49.0
	8	53.2	..	54.6	..	54.0	..	53.0	..	52.0	..	51.6
	9	56.0	..	55.0	..	53.5	..	52.5	..	51.4	..	51.0
	10	53.5	..	53.2	..	—	..	—	..	—	..	—
	11	—	..	—	..	51.0	..	50.8	..	50.8	..	50.8
	12	51.2	..	51.4	..	—	..	51.4	..	51.4	..	51.2
	13	52.4	..	52.4	..	52.2	..	51.8	..	51.5	..	51.2
	14	53.0	..	52.5	..	53.0	..	52.0	..	51.4	..	51.2
	15	54.2	..	—	..	53.2	..	52.9	..	—	..	52.0
	16	53.8	..	53.8	..	53.8	..	53.2	..	53.0	..	52.5
	17	55.6	..	54.8	..	—	..	—	..	—	..	—
	18	—	..	—	..	55.0	..	54.5	..	54.0	..	53.5
	19	54.6	..	53.6	..	53.6	..	52.8	..	52.2	..	51.8
	20	56.8	..	56.0	..	56.4	..	55.0	..	—	..	52.5
	21	56.2	..	55.6	..	54.8	..	54.5	..	54.0	..	54.8
	22	62.0	..	63.5	..	64.5	..	63.6	..	63.0	..	62.8
	23	59.6	..	59.0	..	58.2	..	56.6	..	55.0	..	54.4
	24	59.4	..	59.0	..	—	..	—	..	—	..	—
	25	—	..	—	..	51.5	..	51.2	..	51.2	..	51.8
	26	58.2	..	58.0	..	58.0	..	57.0	..	56.4	..	56.0
	27	60.2	..	59.6	..	58.8	..	56.8	..	56.2	..	56.2
	28	57.5	..	56.5	..	55.5	..	54.8	..	54.2	..	53.2
	29	56.0	..	56.8	..	54.8	..	54.0	..	—	..	52.4
	30	53.4	..	53.0	..	52.8	..	52.0	..	51.6	..	51.5
Hourly Means.	54.88	..	54.68	..	54.16	..	53.15	..	52.38	..	52.17	..

^a Omitted in the daily means.

^b Omitted in the means; temperature not recorded.

VERTICAL FORCE.

One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00021.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
37.2	37.2	36.7	37.0	41.4	39.2	36.5	38.5	58.3	62.6	58.6	63.9	—
39.4	43.5	42.6	39.2	37.5	—	52.6	45.1	48.3	42.9	47.7	27.6	41.24
—	—	—	—	—	—	—	—	—	—	—	—	52.36
54.6	48.6	49.5	50.8	51.8	54.5	54.2	56.3	54.0	49.9	47.3	49.2	48.94
52.9	48.2	46.2	48.7	48.7	48.5	49.5	49.0	46.3	34.4	45.9	45.7	44.58
43.9	42.5	43.8	45.3	48.5	46.4	43.3	43.1	41.3	41.1	41.0	40.6	44.70
52.8	51.2	50.1	49.6	—	46.3	44.0	39.1	36.2	34.4	37.2	38.3	35.98
37.3	38.6	38.7	37.7	34.8	32.2	30.5	27.1	—	56.0	28.7	25.9	37.62
37.7	39.2	42.8	43.6	42.6	40.1	38.1	37.3	39.3	39.5	40.6	37.0	45.26
—	—	—	—	—	—	—	—	—	—	—	—	45.59
42.3	44.3	43.2	50.3	54.6	53.0	50.1	51.2	50.5	46.8	42.9	40.2	43.40
41.9	37.7	45.1	51.0	49.9	55.2	45.9	43.7	40.7	42.5	44.2	47.0	39.34
45.9	45.1	45.7	47.6	58.0	47.5	48.2	37.7	37.7	36.6	38.9	35.6	40.68
38.5	38.5	42.2	42.3	41.9	42.8	40.1	34.7	36.4	32.9	34.1	31.8	37.68
34.8	40.9	41.2	42.5	44.7	39.7	37.8	39.3	42.8	45.1	45.6	45.4	35.71
36.7	37.6	36.3	36.5	38.3	37.7	39.3	39.2	34.9	36.8	34.8	41.9	34.83
—	—	—	—	—	—	—	—	—	—	—	—	33.40
38.4	32.9	39.1	37.2	34.7	33.0	33.5	37.9	37.9	36.8	34.7	33.2	28.85
31.5	33.0	47.4	35.3	31.5	28.6	29.6	27.7	27.7	25.6	34.3	37.1	18.14
37.9	55.5	40.5	33.9	37.0	33.6	30.5	39.2	35.1	27.4	24.0	18.6	31.60
34.5	35.0	43.5	29.4	27.4	23.4	27.5	19.6	16.7	22.2	21.6	10.9	36.07
19.4	21.5	—	20.9	19.5	19.5	26.3	30.8	26.6	22.3	3.1	33.9	28.69
37.5	36.7	37.4	34.0	25.4	27.4	25.2	25.8	20.4	20.0	23.2	24.4	27.08
—	—	—	—	—	—	—	—	—	—	—	—	36.50
36.7	31.9	35.3	33.7	31.7	29.9	28.3	26.7	28.0	28.0	26.2	26.9	45.53
31.0	32.9	32.9	31.8	28.6	24.4	24.0	22.2	23.8	22.2	22.1	22.8	44.58
30.6	31.0	31.2	30.3	26.5	24.8	21.1	19.8	20.2	21.5	23.5	25.9	—
36.9	40.6	39.8	40.2	38.7	36.8	45.5	35.6	27.5	29.8	33.3	34.5	—
57.1	49.1	55.2	52.9	45.2	48.5	50.4	48.5	44.3	44.8	44.7	43.3	—
45.9	47.1	49.6	49.2	44.2	44.6	40.2	40.3	42.1	40.8	40.8	43.2	—
41.33	41.61	44.00	42.04	40.96	39.90	39.69	38.22	38.21	37.72	36.76	36.99	39.77

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
51.2	..	52.5	..	53.2	..	53.4	..	53.4	..	53.4	..	—
51.4	..	52.2	..	52.6	..	52.8	..	53.0	..	52.8	..	52.02
—	..	—	..	—	..	—	..	—	..	—	..	48.70
46.4	..	47.8	..	49.0	..	49.8	..	50.2	..	50.0	..	49.70
48.0	..	49.0	..	50.4	..	51.0	..	51.6	..	51.6	..	50.92
49.6	..	50.7	..	51.5	..	52.0	..	52.0	..	51.8	..	50.83
48.5	..	49.8	..	—	..	52.4	..	53.0	..	53.4	..	54.06
53.0	..	54.6	..	55.5	..	56.8	..	57.0	..	56.4	..	53.23
51.2	..	52.4	..	54.0	..	53.8	..	54.0	..	54.0	..	51.26
—	..	—	..	—	..	—	..	—	..	—	..	51.83
50.0	..	51.0	..	51.2	..	50.8	..	51.0	..	51.0	..	52.33
51.4	..	51.8	..	52.5	..	52.5	..	52.5	..	52.8	..	53.06
51.5	..	52.0	..	52.8	..	53.5	..	53.5	..	53.2	..	53.60
51.8	..	53.0	..	54.5	..	54.5	..	55.0	..	54.8	..	54.41
52.7	..	53.4	..	54.0	..	54.8	..	54.6	..	54.2	..	55.06
53.2	..	54.8	..	55.5	..	56.5	..	56.6	..	56.2	..	54.48
—	..	—	..	—	..	—	..	—	..	—	..	55.23
54.4	..	55.0	..	56.0	..	56.4	..	56.0	..	55.5	..	56.83
53.0	..	54.5	..	56.0	..	57.0	..	57.5	..	57.2	..	62.48
52.8	..	53.4	..	55.0	..	56.4	..	57.0	..	56.2	..	57.75
55.0	..	56.0	..	57.5	..	59.8	..	63.0	..	60.8	..	55.48
62.0	..	62.0°	..	61.5	..	62.2	..	61.6	..	60.6	..	58.18
55.2	..	56.6	..	58.2	..	59.6	..	60.6	..	60.0	..	58.24
—	..	—	..	—	..	—	..	—	..	—	..	55.24
53.2	..	55.6	..	57.2	..	58.2	..	59.0	..	58.5	..	54.05
56.8	..	58.0	..	59.2	..	60.0	..	60.2	..	60.4	..	52.99
57.0	..	57.8	..	58.8	..	59.4	..	59.6	..	58.5	..	—
52.8	..	54.4	..	55.0	..	56.0	..	56.6	..	56.4	..	—
52.0	..	52.4	..	53.4	..	54.4	..	54.4	..	54.0	..	—
52.2	..	53.0	..	54.0	..	54.4	..	54.4	..	53.6	..	—
52.55	..	53.27	..	54.74	..	55.32	..	55.61	..	55.28	..	53.97

Vibrating; omitted in the means.

VERTICAL FORCE.												
One Scale Division = ·000038 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	44·3	47·9	48·6	—	—	—	—	—	—	—	—
	2	—	—	—	57·1	56·5	56·3	54·3	60·2	60·1	60·6	60·4
	3	49·3	51·2	55·3	50·4	53·7	53·7	49·9	52·2	54·2	54·5	55·1
	4	41·9	—	40·0	34·0	37·0	41·5	39·9	39·5	39·7	37·5	36·6
	5	37·3	37·4	37·9	38·5	36·9	40·4	44·0	45·7	44·6	39·8	39·4
	6	39·6	36·4	35·1	38·9	40·8	—	44·4	45·2	43·5	43·3	42·0
	7	47·6	48·8	53·3	46·6	53·6	58·3	57·0	56·6	57·0	53·9	53·9
	8	—	46·0	48·3	—	—	—	—	—	—	—	—
	9	—	—	—	—	49·6	49·8	48·2	48·7	48·4	50·0	49·5
	10	34·1	36·2	37·6	36·6	37·5	38·7	41·1	41·4	—	—	43·1
	11	33·6	35·5	35·4	27·5	37·3	37·1	40·0	38·7	38·7	38·4	36·7
	12	28·3	28·0	29·1	31·6	32·5	33·9	34·4	34·7	35·8	36·3	37·2
	13	38·9	30·3	40·9	44·0	40·3	42·3	53·6	39·7	—	41·2	42·6
	14	52·3	55·0	57·8	53·0	40·9	51·6	60·4	61·2	—	55·1	51·3
	15	48·5	52·8	52·6	—	—	—	—	—	—	—	—
	16	—	—	—	—	48·5	53·6	58·2	46·8	41·5	44·4	54·4
	17	54·1	57·2	56·6	49·8	59·6	63·9	46·7	42·4	58·7	60·0	53·6
	18	54·2	53·5	55·1	47·9	53·8	59·8	59·5	57·2	55·0	57·6	66·0
	19	51·0	32·1	43·9	51·4	54·5	58·2	64·9	56·9	52·6	51·8	55·9 ^a
	20	43·8	28·0	44·4	47·5	44·2	45·2	49·4	49·8	49·8	49·2	50·7
	21	57·7	60·7	55·1	53·8	56·6	60·5	60·0	60·5	61·2	65·6	67·0
	22	57·2	57·3	61·5	—	—	—	—	—	—	—	—
	23	—	—	—	50·1	48·9	42·7	42·4	29·9	35·5	47·0	42·8
	24	47·0	47·1	52·8	45·5	—	47·1	47·1	46·9	45·3	45·3	48·6
	25	40·7	42·4	43·6	42·3	34·6	42·1	43·2	42·3	46·6	41·0	41·7
	26	39·0	42·1	44·6	33·2	42·6	45·0	45·5	46·6	51·0	51·4	45·5
	27	44·5	53·3	49·4	33·7	45·5	52·7	51·1	50·3	52·5	50·7	53·4
	28	46·0	48·0	38·4	40·7	44·5	49·0	51·9	50·0	49·8	47·0	47·8
	29	35·3	31·2	41·2	—	—	—	—	—	—	—	—
	30	—	—	—	36·1	37·6	37·6	37·2	39·6	39·1	39·3	40·1
	31	28·2	30·2	32·4	31·4	27·9	31·3	29·8	37·0	37·5	39·1	34·3
Hourly Means	43·78	43·54	45·80	42·57	44·62	47·69	48·23	46·92	47·74	48·00	47·75	47·74

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	52·8	..	52·0	..	—	..	—	..	—	..	..
	2	—	..	—	..	49·0	..	48·4	..	47·8	..	48·0
	3	51·6	..	50·8	..	50·8	..	50·8	..	50·2	..	50·0
	4	54·8	..	54·4	..	54·5	..	54·5	..	54·2	..	55·2
	5	55·6	..	54·8	..	54·0	..	53·2	..	53·0	..	53·5
	6	56·2	..	55·2	..	54·8	..	53·2	..	52·0	..	52·0
	7	50·6	..	49·6	..	49·3	..	48·5	..	47·6	..	47·6
	8	52·0 ^b	..	51·8	..	—	..	—	..	—	..	—
	9	—	..	—	..	51·5	..	51·2	..	50·6	..	50·5
	10	55·2	..	55·0	..	55·0	..	54·0	..	—	..	52·8
	11	56·0	..	55·5	..	55·4	..	54·6	..	53·8	..	53·2
	12	57·6	..	57·4	..	56·4	..	54·8	..	55·0	..	54·5
	13	54·4	..	53·8	..	52·8	..	51·6	..	—	..	50·2
	14	49·8	..	49·0	..	48·8	..	48·2	..	—	..	47·8
	15	51·0	..	50·4	..	—	..	—	..	—	..	—
	16	—	..	—	..	50·8	..	50·4	..	50·2	..	49·8
	17	49·4	..	48·8	..	48·5	..	47·8	..	47·3	..	47·0
	18	50·0	..	49·2	..	48·4	..	47·2	..	46·8	..	46·2
	19	50·8	..	49·8	..	49·5	..	49·0	..	48·2	..	—
	20	53·0	..	53·0	..	53·5	..	51·4	..	50·8	..	49·6
	21	48·4	..	48·4	..	48·4	..	47·6	..	47·5	..	47·0
	22	48·8	..	48·4	..	—	..	—	..	—	..	—
	23	—	..	—	..	52·2	..	51·8	..	51·4	..	51·0
	24	52·8	..	52·4	..	—	..	52·0	..	52·0	..	52·0
	25	53·8	..	53·6	..	53·5	..	53·2	..	53·0	..	52·6
	26	55·0	..	54·5	..	53·8	..	52·6	..	51·5	..	51·5
	27	53·6	..	52·6	..	52·4	..	50·8	..	50·0	..	49·5
	28	53·5	..	53·4	..	52·8	..	52·0	..	51·2	..	50·8
	29	54·8	..	55·0	..	—	..	—	..	—	..	—
	30	—	..	—	..	55·5	..	55·4	..	54·8	..	55·0
	31	58·4	..	58·2	..	57·8	..	56·8	..	55·4	..	56·0
Hourly Means	53·12	..	52·58	..	52·38	..	51·58	..	51·06	..	50·93	..

^a Omitted in the means; temperature not recorded.

^b Omitted in the means.

VERTICAL FORCE.

One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar 1° Fah°. = .00021.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
56.1	52.5	52.4	52.6	50.4	50.5	50.5	52.7	51.1	50.0	49.6	47.8	53.36
52.2	53.5	51.5	45.6	42.0	40.6	34.5	33.7	34.2	35.6	36.7	49.2	47.62
29.2	28.4	29.1	28.9	25.5	23.7	26.6	25.0	29.0	29.4	31.2	35.3	33.25
40.8	40.9	40.6	34.8	29.3	27.2	26.3	30.4	32.2	29.9	32.2	33.0	36.61
46.6	52.1	50.5	48.8	49.6	48.1	49.9	48.5	45.5	48.4	49.5	49.2	45.25
53.6	55.7	57.0	57.8	55.1	54.9	50.9	50.7	50.4	50.8	42.9	47.9	52.80
55.6	52.0	41.4	42.8	40.1	36.4	33.9	31.9	31.9	35.4	34.7	34.7	43.72
41.3	40.1	37.1	38.5	33.4	31.0	29.6	28.9	30.1	32.2	31.4	31.3	36.10
35.7	37.4	37.8	34.7	31.8	32.1	26.7	25.9	26.1	26.1	27.4	29.2	33.62
40.3	40.6	37.0	36.8	36.3	34.3	36.3	37.9	36.5	34.7	34.2	35.2	35.00
49.0	49.0	54.9	56.7	63.0	58.7	48.5	42.6	49.7	48.5	52.5	53.1	47.21
53.8	51.3	54.9	51.2	49.4	49.3	51.0	47.0	49.7	52.6	52.3	52.3	52.45
54.9	—	54.9	55.2	53.3	52.5	50.4	51.7	51.4	53.2	53.6	49.7	51.81
52.8	53.2	55.9	51.1	41.4	41.4	45.2	49.9	47.8	48.5	47.1	46.9	51.45
62.6	63.7	57.2	57.3	55.8	54.1	46.7	42.7	45.1	44.1	48.6	49.4	54.47
46.3	51.8	51.4	47.6	45.6	48.3	43.8	42.0	40.6	39.5	37.3 ^a	36.5	48.21
66.0	66.7	66.3	67.9	65.9	62.5	63.5	61.5	57.7	57.4	54.6	55.0	54.22
65.4	66.5	66.5	68.7	65.6	62.0	57.4	54.6	52.7	54.1	54.4	55.7	60.10
54.1	63.5	63.8	54.6	51.5	54.7	46.4	44.6	46.9	45.0	42.5	40.3	48.97
50.6	50.6	50.5	46.7	48.7	44.2	40.5	39.3	37.5	39.0	40.4	41.9	45.69
47.9	49.6	48.9	48.2	45.0	—	31.9	31.6	31.6	34.6	39.4	41.3	41.59
45.8	47.4	49.6	47.2	49.1	50.2	42.7	44.0	39.0	40.8	43.7	42.4	44.72
52.6	63.4	52.8	54.2	50.7	41.6	37.0	40.0	45.0	40.2	42.3	42.1	47.90
50.6	51.1	54.7	46.7	38.2	35.4	33.5	37.7	35.0	35.9	34.2	35.6	43.82
45.3	44.8	35.3	30.0	27.7	29.4	26.2	26.1	25.0	21.5	23.1	24.7	33.95
40.5	34.8	33.2	28.5	27.5	23.6	23.6	22.5	21.8	21.2	22.3	24.4	30.09
49.60	50.42	49.43	47.43	45.07	43.47	40.52	40.13	40.13	40.33	40.83	41.70	45.05

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
49.4	..	50.4	..	51.0	..	51.4	..	51.8	..	51.6	..	50.30
50.4	..	51.4	..	53.0	..	54.4	..	55.0	..	54.4	..	51.90
57.8	..	58.8	..	59.0	..	58.5	..	58.0	..	56.8	..	56.37
55.0	..	56.0	..	57.6	..	58.2	..	57.8	..	57.4	..	55.51
52.0	..	52.4	..	52.8	..	52.4	..	52.0	..	51.6	..	53.05
48.4	..	50.0	..	52.0	..	52.0	..	52.3	..	52.2	..	50.00
51.0	..	52.0	..	53.6	..	54.5	..	55.5	..	56.0	..	52.56
54.2	..	55.0	..	56.6	..	57.2	..	57.2	..	56.8	..	55.36
55.0	..	55.5	..	57.0	..	58.0	..	58.4	..	58.4	..	55.90
54.6	..	55.8	..	56.0	..	56.4	..	56.0	..	55.0	..	55.79
49.8	..	50.2	..	51.4	..	51.5	..	51.2	..	50.0	..	51.54
48.8	..	50.0	..	50.8	..	51.2	..	51.6	..	51.0	..	49.73
49.6	..	50.5	..	50.5	..	50.4	..	50.4	..	50.2	..	50.35
47.8	..	49.5	..	50.8	..	51.0	..	51.0	..	50.5	..	49.12
47.4	..	49.8	..	50.8	..	51.4	..	52.0	..	51.2	..	49.20
51.0	..	52.0	..	53.0	..	53.6	..	54.0	..	—	..	51.09
47.0	..	47.0	..	47.2	..	47.8	..	48.2	..	48.2	..	49.72
46.8	..	47.4	..	48.6	..	48.8	..	49.0	..	49.0	..	48.07
51.2	..	51.6	..	52.5	..	52.8	..	52.6	..	52.8	..	51.42
52.2	..	52.4	..	53.0	..	53.5	..	54.5	..	53.8	..	52.80
52.8	..	52.5	..	53.8	..	55.6	..	56.0	..	55.5	..	53.81
52.0	..	53.0	..	53.8	..	54.2	..	54.2	..	54.2	..	53.36
50.0	..	51.0	..	52.5	..	53.8	..	54.4	..	54.2	..	52.07
51.2	..	52.8	..	53.6	..	54.4	..	55.0	..	54.2	..	52.91
55.8	..	58.4	..	59.4	..	59.6	..	59.8	..	59.4	..	56.91
57.6	..	58.6	..	59.5	..	60.5	..	60.2	..	60.0	..	58.25
51.49	..	52.46	..	53.45	..	53.97	..	54.16	..	53.78	..	52.59

VERTICAL FORCE.													
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = .00021.													
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 .	
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	38.7	37.9	41.0	37.3	40.4	42.8	45.3	46.2	46.8	47.6	48.5	49.4
	2	44.4	42.9	43.4	41.8	41.6	45.4	47.4	47.8	47.7	49.4	51.5	48.1
	3	40.7	39.6	40.9	37.8	37.9	48.1	46.5	33.8	—	41.8	46.9	48.6
	4	34.6	35.0	38.6	29.1	37.8	42.2	43.2	44.1	44.5	40.2	41.3	45.4
	5	39.9	44.5	44.7	—	—	—	—	—	—	—	—	—
	6	—	—	—	42.9	44.6	46.0	46.6	46.6	44.7	43.1	41.4	42.1
	7	43.7	48.3	46.6	48.1	48.4	50.7	51.3	56.4	—	52.3	51.3	53.9
	8	42.1	44.7	45.3	44.1	45.6	46.6	48.5	50.2	50.9	49.4	46.4	45.5
	9	23.8	28.2	27.6	28.2	29.9	26.0	27.7	27.7	—	26.6	25.5	21.9
	10	18.5	20.4	30.1	26.7	18.8	26.9	24.9	32.6	38.1	45.2	32.9	34.5
	11	26.3	21.5	26.9	29.2	30.9	27.2	31.6	35.9	35.1	34.8	34.6	34.1
	12	33.1	33.9	35.7	—	—	—	—	—	—	—	—	—
	13	—	—	—	19.3	36.8	41.6	46.1	44.0	—	45.6	46.8	48.3
	14	34.1	32.5	34.1	34.0	38.3	39.3	40.5	41.4	42.6	41.3	46.1	45.8
	15	32.2	32.6	34.9	34.4	35.7	37.1	39.3	41.3	41.7	38.0	35.9	35.6
	16	21.6	19.2	20.8	19.3	25.5	28.4	31.8	33.0	30.9	33.3	29.7	29.9
	17	38.9	43.1	45.0	43.4	46.1	48.1	51.5	51.1	—	51.8	51.8	55.2
	18 ^b	52.2	—	56.6	54.3	55.6	58.1	58.1	58.5	—	—	—	62.9
	19	43.1	43.6	46.1	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	51.4	47.2	51.1	50.4	53.2	52.3	49.7	49.7
	21	45.0	48.8	38.5	39.1	55.3	50.7	50.3	52.8	47.9	49.5	45.0	54.6
	22	29.3	33.0	29.5	21.2	19.6	29.5	32.4	29.7	33.7	30.3	33.7	35.6
	23	29.0	25.3	27.5	23.9	21.6	25.4	30.4	33.1	—	29.1	29.1	37.2
	24	41.8	41.6	41.4	43.0	43.7	34.6	44.4	47.5	45.4	44.2	43.1	48.5
	25	53.7	53.7	58.0	56.8	58.6	59.9	60.3	61.1	61.6	59.0	62.7	63.1
	26	45.9	48.9	51.1	—	—	—	—	—	—	—	—	—
	27	—	—	—	40.5	41.1	43.2	43.7	45.8	46.7	46.9	45.1	44.7
	28	30.5	33.4	34.4	25.7	31.3	33.3	35.3	35.8	39.4	38.1	39.5	40.9
	29 ^b	18.6	5.4	18.1	15.8	18.5	20.3	21.8	23.6	23.6	17.2	21.5	22.7
30	5.8	4.9	— ^c	15.4	13.4	18.9	17.7	19.6	20.1	21.4	24.8	25.0	
Hourly Means ^d	34.90	34.52	38.27	34.05	37.24	39.13	41.07	41.92	—	41.14	40.99	43.20	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
NOVEMBER.	1	59.0	..	58.2	..	57.6	..	56.6	..	55.5	..	55.8	..
	2	58.4	..	58.0	..	57.5	..	56.2	..	55.0	..	55.5	..
	3	58.0	..	57.5	..	57.0	..	56.0	..	—	..	55.0	..
	4	59.6	..	59.0	..	58.8	..	57.6	..	56.5	..	55.8	..
	5	57.2	..	56.5	..	—	..	—	..	—	..	—	..
	6	—	..	—	..	57.0	..	56.2	..	56.4	..	56.0	..
	7	56.0	..	55.0	..	54.4	..	52.8	..	—	..	51.5	..
	8	56.2	..	55.8	..	54.6	..	54.6	..	54.0	..	54.6	..
	9	62.5	..	61.5	..	61.0	..	61.0	..	—	..	61.2	..
	10	60.5	..	61.0	..	59.6	..	58.0	..	56.8	..	57.5	..
	11	61.6	..	60.8	..	61.0	..	59.0	..	58.2	..	58.6	..
	12	60.5	..	59.0	..	—	..	—	..	—	..	—	..
	13	—	..	—	..	58.2	..	57.0	..	—	..	56.0	..
	14	59.2	..	59.0	..	58.8	..	57.5	..	56.5	..	56.5	..
	15	60.0	..	59.5	..	59.0	..	57.8	..	57.0	..	57.6	..
	16	65.2	..	63.5	..	62.6	..	60.6	..	59.2	..	59.0	..
	17	57.8	..	56.6	..	55.6	..	54.4	..	—	..	53.2	..
	18 ^b	53.0	..	51.8	..	51.5	..	51.0	..	—	..	—	..
	19	55.5	..	55.0	..	—	..	—	..	—	..	—	..
	20	—	..	—	..	53.2	..	53.5	..	53.0	..	52.6	..
	21	55.0	..	54.5	..	54.2	..	53.8	..	53.4	..	54.2	..
	22	63.5	..	63.0	..	62.6	..	61.6	..	61.0	..	60.2	..
	23	65.2	..	63.8	..	62.8	..	61.2	..	—	..	59.0	..
	24	57.0	..	57.0	..	56.5	..	56.2	..	56.0	..	55.4	..
	25	53.0	..	52.2	..	52.0	..	51.0	..	50.4	..	49.8	..
	26	54.8	..	54.0	..	—	..	—	..	—	..	—	..
	27	—	..	—	..	58.0	..	57.0	..	56.2	..	56.4	..
	28	61.0	..	60.0	..	60.2	..	59.2	..	59.0	..	58.0	..
	29 ^b	65.0	..	65.4	..	64.2	..	63.5	..	63.0	..	63.0	..
	30	68.8	..	69.6 ^c	..	67.0	..	65.5	..	64.6	..	64.0	..
Hourly Means ^d	59.37	..	58.30	..	58.27	..	57.26	..	—	..	56.66	..	

^a Omitted in the means; temperature not recorded.

^b Omitted in the daily means.

VERTICAL FORCE.
One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00021.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
48.4	46.9	44.4	36.9	32.8	31.6	33.1	33.2	37.1	38.0	40.5	42.3	41.13
51.6	45.7	44.5	41.6	39.2	35.1	31.5	31.8	33.1	37.1	41.3	42.3	42.76
48.5	49.3	48.0	43.9	39.4	35.2	35.5	30.2	30.2	30.2	29.3	32.6	39.78
49.1	51.3	51.9	49.3	45.6	43.2	40.9	39.9	40.8	40.8	39.7	39.4	42.00
—	—	—	—	—	—	—	—	—	—	—	—	—
43.7	43.0	47.0	48.1	44.1	37.7	35.1	35.1	37.5	37.1	40.4	39.7	42.32
54.2	54.5	55.0	51.8	51.5	44.0	39.7	38.8	39.5	38.7	39.1	40.7	47.76
46.3	46.6	39.3	35.0	28.6	25.2	22.5	19.6	19.6	16.4	19.9	22.3	37.53
22.6	27.8	31.0	20.9	29.9	30.8	18.8	14.7	22.8	29.2	21.2	43.9	26.38
38.6	37.1	35.6	29.0	27.5	26.0	30.3	32.1	32.5	32.6	25.8	25.7	30.10
31.0	29.5	30.3	27.5	28.1	28.8	27.2	24.3	23.1	27.3	26.4	28.8	29.18
—	—	—	—	—	—	—	—	—	—	—	—	—
46.9	44.6	46.5	46.9	—	41.0	42.0	40.1	42.3	32.4	33.1	34.1	40.05
39.9	36.1	37.4	30.5	27.0	26.8	27.6	25.6	30.0	30.2	29.8	31.2	35.09
30.9	29.1	25.0	21.5	14.3	10.8	7.5	6.3	12.0	15.2	15.2	14.5	26.71
35.5	—	35.1	33.8	32.9	32.2	27.5	27.7	33.5	36.6	35.6	38.5	30.10
58.4	58.5	57.7	54.8	49.5	45.3	40.6	41.6	45.3	47.6	49.8	52.0	49.00
64.4	62.6	62.5	61.1	52.4	48.5	43.3	37.1	40.8	39.1	39.8	40.8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
50.9	48.5	48.8	46.7	49.1	50.4	45.7	49.7	41.1	41.8	43.1	44.7	47.75
49.1	56.6	46.8	38.8	54.7	56.8	53.7	61.1	53.2	54.7	31.9	32.9	48.66
35.2	34.3	29.6	24.0	25.2	26.5	21.6	9.9	10.0	21.9	25.9	8.4	26.25
38.7	44.6	47.2	41.2	36.5	37.7	36.6	38.6	39.8	42.1	42.1	39.6	34.62
52.3	57.0	56.0	56.9	55.1	51.1	50.2	50.4	48.5	49.0	49.6	50.6	47.75
65.4	63.3	62.1	57.0	53.0 ^a	50.1	49.1	49.5	47.8	47.0	40.5	38.3	55.59
—	—	—	—	—	—	—	—	—	—	—	—	—
42.5	37.7	34.4	30.9	27.5	26.6	25.8	22.9	23.9	24.6	26.0	27.9	37.28
42.0	40.9	34.3	25.9	22.7	22.3	22.3	16.9	21.1	15.3	12.8	17.7	29.66
24.7	27.6	23.4	12.8	—	—	—	—	—	—	—	4.3	—
—	81.0	76.7	73.4	72.3	74.2	73.8	81.4	80.6	80.3	80.8	84.0	47.52
—	—	—	—	—	—	—	—	—	—	—	—	—
44.43	46.16	44.25	40.01	38.52	37.52	35.28	34.34	35.44	36.21	35.18	35.28	38.67

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

56.2	..	58.2	..	60.0	..	60.4	..	60.0	..	59.2	..	58.06
56.0	..	57.4	..	58.6	..	58.5	..	59.5	..	59.0	..	57.47
55.0	..	56.8	..	58.4	..	59.0	..	59.8	..	59.6	..	57.46
56.2	..	57.2	..	57.8	..	58.4	..	58.2	..	58.0	..	57.76
—	..	—	..	—	..	—	..	—	..	—	..	—
56.6	..	57.4	..	58.2	..	59.0	..	58.2	..	57.2	..	57.16
53.2	..	54.6	..	55.4	..	56.4	..	56.8	..	56.5	..	54.78
55.4	..	57.0	..	59.6	..	61.8	..	62.8	..	62.8	..	57.43
62.0	..	61.5	..	63.5	..	63.6	..	63.4	..	62.5	..	62.15
58.6	..	59.6	..	60.6	..	61.4	..	62.0	..	62.0	..	59.80
59.4	..	60.8	..	62.6	..	62.5	..	62.5	..	61.6	..	60.72
—	..	—	..	—	..	—	..	—	..	—	..	—
56.0	..	56.2	..	—	..	57.0	..	57.5	..	58.8	..	57.62
57.0	..	57.4	..	58.6	..	59.6	..	60.5	..	60.6	..	58.43
59.6	..	62.6	..	65.6	..	67.2	..	67.4	..	66.5	..	61.65
59.2	..	60.0	..	60.4	..	60.4	..	59.6	..	59.0	..	60.72
54.0	..	54.4	..	55.0	..	55.2	..	54.8	..	54.0	..	55.00
51.0	..	52.5	..	54.0	..	55.0	..	56.0	..	56.0	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
53.0	..	54.5	..	55.4	..	56.0	..	56.0	..	55.8	..	54.46
55.5	..	57.0	..	59.6	..	61.0	..	63.0	..	63.5	..	57.06
60.5	..	62.0	..	63.8	..	65.0	..	65.6	..	65.6	..	62.87
58.8	..	58.2	..	58.5	..	58.0	..	57.8	..	57.6	..	60.08
55.0	..	55.5	..	54.5	..	54.2	..	54.4	..	53.5	..	55.43
50.5	..	51.0	..	—	..	52.8	..	54.0	..	55.0	..	51.97
—	..	—	..	—	..	—	..	—	..	—	..	—
57.4	..	59.4	..	61.0	..	62.0	..	62.2	..	61.8	..	58.35
58.8	..	60.0	..	62.6	..	64.0	..	65.2	..	65.8	..	61.15
63.6	..	66.0	..	—	..	71.2 ^c	..	—	..	—	..	—
—	..	67.0	..	67.5	..	67.0	..	66.8	..	66.0	..	66.42
—	..	—	..	—	..	—	..	—	..	—	..	—
56.74	..	58.24	..	59.62	..	59.82	..	60.16	..	59.92	..	55.41

^c Out of the field of view.

^d 8th hour omitted in the hourly means.

^e Omitted in the means.

VERTICAL FORCE.													
One Scale Division = .000038 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah°. = .00021.													
Mean Göttingen Time. } }	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
DECEMBER.	1	12.4	14.2	20.8	22.5	33.7	32.5	33.2	35.7	35.6	35.8	36.9	41.8
	2	31.9	37.3	38.6	38.9	40.9	42.3	42.8	44.3	41.5	42.8	42.8	43.2
	3	28.3	31.6	33.2	—	—	—	—	—	—	—	—	—
	4	—	—	—	32.7	36.0	37.6	40.0	41.2	42.8	41.8	44.8	47.2
	5	41.4	42.3	45.5	44.1	45.5	47.9	49.4	53.6	51.7	48.8	46.2	50.7
	6	31.0	37.5	40.3	35.9	38.2	39.4	43.2	42.5	45.2	46.5	46.8	41.6
	7	38.5	36.3	33.7	24.9	35.8	42.2	45.1	46.8	50.4	50.9	49.9	44.5
	8	30.9	36.2	37.9	40.1	41.7	43.3	42.0	41.7	47.7	41.6	41.1	42.4
	9	28.1	21.8	25.3	27.5	27.8	23.3	27.1	21.9	28.3	14.4	16.9	33.3
	10	23.3	25.7	27.4	—	—	—	—	—	—	—	—	—
	11	—	—	—	18.7	20.9	22.4	—	25.4	25.8	25.3	25.2	23.7
	12	22.1	25.3	28.5	29.0	32.8	33.5	36.0	37.6	39.5	39.2	37.8	38.1
	13	31.5	32.1	34.4	22.9	33.2	36.1	36.6	37.0	—	43.6	42.5	36.5
	14	25.9	28.1	28.5	27.9	30.3	33.3	34.4	36.9	37.2	37.3	33.0	31.7
	15	21.0	16.1	23.3	22.1	24.5	26.0	26.3	26.0	31.6	34.9	33.9	31.9
	16	22.3	23.8	24.7	23.1	24.0	24.9	26.0	26.8	27.2	25.0	24.9	25.5
	17	17.1	18.7	20.2	—	—	—	—	—	—	—	—	—
	18	—	—	—	16.5	14.5	6.0	18.0	18.1	16.0	18.5	18.4	19.9
	19	9.3	16.8	17.6	16.4	18.5	20.1	20.0	24.9	22.1	24.1	24.8	26.1
	20	26.1	27.5	24.2	29.1	31.6	31.5	33.7	—	34.5	35.5	33.1	34.3
	21	29.3	32.9	35.0	36.6	38.1	38.5	38.8	40.3	42.4	43.3	43.6	41.3
	22	37.0	36.9	39.7	39.8	40.3	40.7	41.7	43.7	43.2	40.7	37.2	38.4
	23	29.7	31.5	30.9	27.8	34.2	—	36.3	34.5	34.0	37.9	32.0	32.5
	24	28.3	30.5	33.8	—	—	—	—	—	—	—	—	—
	25	—	—	—	15.9	28.3	36.8	34.1	33.2	34.1	—	33.7	33.7
	26	25.6	24.6	35.4	24.9	27.1	27.1	27.2	30.6	—	31.1	29.8	29.4
	27	11.7	12.5	14.4	14.4	12.3	18.2	15.8	20.5	11.6	11.3	17.0	13.2
	28	29.5	32.2	32.9	33.8	37.4	38.2	44.9	44.2	41.8	39.6	42.6	44.0
	29	37.6	37.6	38.1	37.7	39.1	40.5	39.9	40.3	41.7	40.9	42.1	41.7
	30	40.4	36.7	38.7	—	—	36.3	40.8	42.4	43.6	42.8	42.3	47.1
	31 ^a	30.6	32.4	33.6	—	—	—	—	—	—	—	—	—
Hourly Means	27.32	28.72	30.88	28.13	31.47	32.74	34.93	35.60	36.23	35.74	35.36	35.91	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
DECEMBER.	1	64.0	..	62.6	..	61.6	..	60.0	..	59.2	..	59.0	..
	2	58.4	..	57.6	..	56.5	..	55.5	..	55.0	..	55.0	..
	3	59.6	..	58.6	..	—	..	—	..	—	..	—	..
	4	—	..	—	..	58.0	..	56.8	..	55.5	..	55.5	..
	5	55.6	..	54.8	..	54.0	..	52.5	..	52.0	..	52.0	..
	6	59.0	..	58.8	..	57.8	..	56.6	..	55.8	..	55.6	..
	7	57.2	..	56.4	..	56.2	..	54.6	..	53.6	..	53.2	..
	8	57.4	..	57.4	..	56.6	..	55.5	..	55.0	..	55.0	..
	9	60.0	..	59.0	..	58.8	..	58.0	..	58.6	..	58.8	..
	10	62.2	..	61.0	..	—	..	—	..	—	..	—	..
	11	—	..	—	..	63.8	..	—	..	61.6	..	61.5	..
	12	61.0	..	60.8	..	59.0	..	58.0	..	56.8	..	56.4	..
	13	58.8	..	57.6	..	57.4	..	56.0	..	—	..	55.5	..
	14	61.0	..	60.6	..	59.4	..	58.0	..	57.5	..	57.5	..
	15	62.6	..	62.0	..	61.2	..	60.5	..	60.0	..	59.4	..
	16	63.0	..	62.0	..	62.0	..	61.2	..	60.8	..	60.5	..
	17	64.6	..	64.0	..	—	..	—	..	—	..	—	..
	18	—	..	—	..	67.0	..	66.5	..	65.8	..	65.4	..
	19	67.0	..	66.0	..	65.0	..	64.0	..	62.5	..	62.5	..
	20	62.4	..	61.8	..	61.0	..	59.8	..	59.0	..	59.2	..
	21	59.8	..	59.5	..	58.4	..	57.0	..	56.0	..	55.5	..
	22	58.4	..	58.0	..	57.5	..	56.0	..	55.6	..	55.2	..
	23	61.2	..	60.8	..	60.4	..	60.0	..	59.0	..	59.0	..
	24	61.6	..	61.4	..	—	..	—	..	—	..	—	..
	25	—	..	—	..	60.8	..	60.4	..	59.6	..	60.4	..
	26	64.2	..	63.4	..	62.2	..	61.6	..	—	..	60.5	..
	27	67.5	..	66.5	..	66.2	..	66.0	..	65.5	..	65.0	..
	28	61.8	..	60.8	..	59.6	..	58.0	..	57.5	..	56.8	..
	29	59.8	..	59.6	..	59.0	..	58.4	..	57.5	..	57.6	..
	30	59.8	..	59.0	..	—	..	57.8	..	57.4	..	57.0	..
	31 ^a	62.0	..	61.0	..	—	..	—	..	—	..	—	..
Hourly Means	61.07	..	60.38	..	59.98	..	58.75	..	58.20	..	58.04	..	

^a Omitted in the means.

VERTICAL FORCE.

One Scale Division = .000038 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00021.

12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
41.4	35.6	32.5	33.8	33.9	32.3	29.4	29.6	30.0	28.4	27.4	28.9	30.76
46.1	41.2	42.2	40.1	37.1	34.6	31.8	27.0	23.2	24.5	24.7	27.0	36.95
—	—	—	—	—	—	—	—	—	—	—	—	42.30
50.3	51.5	55.2	57.1	52.2	50.3	45.7	40.7	39.8	38.2	37.8	39.2	43.47
52.5	50.5	46.4	43.1	38.3	37.5	31.9	28.6	38.1	44.4	34.4	30.4	39.48
40.8	40.5	40.3	39.8	42.7	38.3	34.7	33.9	38.1	35.9	34.6	39.9	41.39
46.5	42.4	43.3	44.6	52.8	45.8	36.6	37.0	36.9	33.4	38.5	36.5	37.01
43.5	41.4	40.8	39.1	32.4	30.2	29.4	29.7	28.6	27.9	30.1	28.5	22.17
15.0	14.9	19.1	23.0	20.4	20.4	18.8	19.6	20.4	20.5	21.8	22.5	20.22
—	—	—	—	—	—	—	—	—	—	—	—	33.34
22.7	21.8	21.3	16.0	13.5	12.7	12.1	13.2	13.6	16.2	18.0	20.2	32.39
37.8	38.1	38.5	34.3	36.1	37.0	35.6	29.0	26.3	27.8	29.9	30.3	26.85
37.0	40.0	43.1	37.0	28.7	23.3	27.6	22.6	27.0	23.8	22.9	25.5	26.05
28.8	31.8	23.5	24.6	22.0	22.5	22.5	13.7	15.2	17.3	18.4	19.5	21.21
34.3	32.1	34.8	29.8	26.0	21.1	25.6	23.0	21.6	20.0	20.3	19.0	13.99
26.3	24.5	22.9	18.9	20.2	19.5	15.9	10.3	11.5	12.7	13.6	14.5	23.38
—	—	—	—	—	—	—	—	—	—	—	—	33.21
23.1	21.7	20.8	14.3	8.1	5.8	4.4	6.5	5.1	4.2	5.8	—	41.10
24.6	29.6	30.1	31.3	29.3	28.8	27.3	26.7	24.6	22.2	23.3	22.7	35.82
34.8	35.8	40.8	41.8	41.9	38.1	35.4	32.7	32.0	31.0	29.9	28.6	30.03
43.4	43.8	46.3	49.5	51.5	48.7	43.6	39.4	41.1	44.2	40.0	34.7	25.96
37.5	36.7	38.3	37.1	37.3	38.0	26.2	25.9	23.4	25.9	26.1	27.9	23.01
34.4	34.1	32.3	32.2	31.4	26.7	21.5	21.4	23.2	22.4	24.0	25.7	18.65
—	—	—	—	—	—	—	—	—	—	—	—	38.59
28.9	29.1	28.6	22.7	20.5	19.0	20.5	15.3	13.7	17.7	19.1	19.5	39.27
29.4	30.7	34.7	31.6	23.2	13.6	7.3	3.8	7.4	13.1	11.4	10.3	37.09
16.3	17.2	23.1	25.9	17.8	17.3	22.4	26.7	22.9	29.4	28.8	26.9	—
44.5	42.5	46.5	43.0	39.0	35.5	35.2	35.1	34.7	36.0	37.2	35.9	—
43.3	40.5	45.8	47.0	44.4	40.7	28.0	30.4	33.2	31.1	40.4	40.5	—
50.2	52.0	44.4	37.3	32.3	27.7	26.6	24.3	23.2	28.1	29.2	29.6	—
—	—	—	—	—	—	—	—	—	—	—	—	—
35.90	35.38	35.98	34.42	32.04	29.44	26.77	24.85	25.18	26.01	26.45	27.37	31.34

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

58.5	..	59.2	..	60.0	..	60.6	..	60.4	..	59.6	..	60.39
55.8	..	57.2	..	58.5	..	59.5	..	61.0	..	60.6	..	57.55
—	..	—	..	—	..	—	..	—	..	—	..	56.55
55.0	..	55.2	..	55.6	..	56.2	..	56.4	..	56.2	..	55.33
53.2	..	54.6	..	57.0	..	58.8	..	59.5	..	60.0	..	57.59
56.0	..	58.8	..	57.5	..	58.2	..	58.8	..	58.2	..	55.59
54.0	..	54.6	..	55.4	..	56.4	..	57.5	..	58.0	..	57.35
55.6	..	57.2	..	58.6	..	59.5	..	60.2	..	60.2	..	60.44
59.2	..	60.8	..	62.5	..	63.0	..	63.6	..	63.0	..	63.30
—	..	—	..	—	..	—	..	—	..	—	..	58.52
62.4	..	64.0	..	65.4	..	65.8	..	65.0	..	63.6	..	58.44
56.4	..	57.5	..	58.5	..	59.0	..	59.4	..	59.5	..	60.72
56.2	..	57.5	..	59.4	..	61.0	..	61.8	..	61.6	..	61.35
59.2	..	61.0	..	63.0	..	64.0	..	64.0	..	63.5	..	63.08
59.0	..	60.5	..	61.8	..	63.0	..	63.2	..	63.0	..	66.71
61.0	..	63.5	..	65.4	..	66.0	..	66.0	..	65.6	..	63.78
—	..	—	..	—	..	—	..	—	..	—	..	60.30
65.2	..	67.5	..	69.4	..	68.0	..	68.6	..	68.5	..	57.29
62.2	..	62.6	..	63.0	..	63.6	..	63.6	..	63.4	..	58.29
59.4	..	59.6	..	60.2	..	60.6	..	60.4	..	60.2	..	60.75
55.5	..	55.8	..	56.4	..	57.2	..	57.8	..	58.6	..	62.46
56.0	..	57.4	..	59.8	..	61.4	..	62.2	..	62.0	..	63.86
59.2	..	60.4	..	61.4	..	62.2	..	62.8	..	62.6	..	65.62
—	..	—	..	—	..	—	..	—	..	—	..	59.26
61.4	..	63.0	..	64.8	..	65.5	..	65.6	..	65.0	..	59.19
61.4	..	63.0	..	65.0	..	66.2	..	67.5	..	67.5	..	59.49
65.8	..	66.6	..	66.4	..	65.0	..	64.0	..	63.0	..	—
57.0	..	58.4	..	59.4	..	60.4	..	61.0	..	60.4	..	—
58.0	..	58.6	..	59.8	..	60.4	..	61.0	..	60.6	..	—
57.0	..	58.5	..	60.5	..	61.8	..	62.6	..	63.0	..	—
—	..	—	..	—	..	—	..	—	..	—	..	—
58.45	..	59.73	..	60.95	..	61.62	..	62.07	..	61.82	..	60.11

January 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.	
0	0		39.3	37.3	38.3	38.4	42.3	46.3	49.1	50.8	50.0	48.6	47.7
5	0		38.4	36.4	37.6	38.6	42.6	46.7	49.4	50.9	49.7	48.5	47.6
10	0		38.1	36.4	37.2	38.8	42.9	47.0	49.8	50.9	49.6	49.1	47.6
15	0		39.1	36.6	37.7	39.0	43.0	47.2	50.2	50.9	49.2	49.0	47.5
20	0		38.5	36.9	37.7	39.5	43.5	48.1	50.3	50.5	49.1	48.9	47.3
25	0		38.3	36.5	37.9	39.6	43.9	48.1	50.4	50.7	49.3	48.7	47.2
30	0		37.6	36.5	37.9	39.9	44.3	48.4	50.6	50.7	49.3	48.6	47.4
35	0		37.2	36.6	37.9	40.5	45.0	48.4	51.0	50.6	49.5	48.4	47.2
40	0		37.5	36.1	37.9	40.9	45.2	48.6	51.4	50.4	49.0	48.2	47.2
45	0		37.6	36.8	38.1	41.2	45.5	48.7	51.6	50.5	48.7	48.1	47.1
50	0		37.6	36.9	38.3	41.6	46.0	49.0	51.3	50.8	48.9	48.2	47.0
55	0		37.7	38.2	38.5	42.0	46.0	49.0	51.3	50.1	48.8	47.9	47.1
			One Scale Division = .000303 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		54.6	52.5	49.2	48.2	47.7	46.5	45.8	46.0	47.9	46.7	47.0
12	30		54.1	51.8	48.9	48.1	47.3	46.7	45.8	46.1	48.0	46.6	47.0
22	30		54.1	51.4	48.7	48.1	47.4	46.7	45.5	46.1	47.2	47.2	47.0
32	30		53.5	51.0	48.4	48.3	47.2	46.9	45.4	47.2	48.0	47.6	46.7
42	30		53.4	50.3	48.3	48.2	47.0	45.6	45.8	47.0	48.0	47.0	47.0
52	30		53.4	49.9	48.2	47.9	46.4	46.0	45.7	47.8	47.7	46.8	47.0
Thermometer			63.8	66.0	68.3	70.8	73.0	75.2	77.0	78.0	78.8	80.0	80.5
			One Scale Division = .00008 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
7	30		27.5	23.7	24.1	20.9	18.7	17.4	12.6	10.7	6.1	5.9	5.8
17	30		26.3	23.8	23.3	20.6	18.7	17.2	12.5	9.8	6.0	6.2	6.7
27	30		25.5	23.6	22.7	20.1	18.2	17.2	12.2	8.9	6.1	5.4	7.5
37	30		25.3	23.0	22.6	19.8	18.2	16.5	12.4	7.7	5.1	4.9	8.3
47	30		24.4	23.0	22.0	19.2	17.5	16.6	11.5	7.7	4.8	5.4	7.8
57	30		23.3	24.0	21.5	18.9	17.3	17.1	10.8	6.5	5.5	5.8	7.8
Thermometer			63.3	66.5	68.5	70.0	71.5	73.0	74.0	74.6	75.2	76.0	76.2
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.	Inch.	°	°								
19	10	0	29.614	61.8	56.1	N. W. by W.	Light.	0.00	Clear.				
	11	0	29.607	66.6	58.4	—	Calm.	0.00	Clear.				
	12	0	29.584	67.5	59.2	S. E. by S.	Light.	0.00	Clear.				
	13	0	29.584	71.2	60.1	S. E. by S.	Light.	0.00	Clear.				
	14	0	29.525	74.5	63.0	S. E. by S.	Light.	0.00	Clear.				
	15	0	29.495	78.5	65.0	S. E. by S.	Moderate.	0.25					
	16	0	29.469	80.0	65.8	S. E. by S.	Light.	—	Hazy atmosphere,				
	17	0	29.442	81.0	65.2	S. E. by S.	Light.	—	Hazy atmosphere.				
	18	0	29.436	82.0	65.6	S. E. by S.	Light.	1.00	Overcast.				
	19	0	29.436	79.0	65.3	S. E. by S.	Fresh.	1.00	Overcast and hazy.				
	20	0	29.467	70.2	60.3	S. E. by S.	Fresh.	1.00	Overcast and hazy.				
	21	0	29.505	64.0	59.1	S. E. by S.	Moderate.	1.00	Overcast.				

MAGNETICAL OBSERVATIONS.												
January 19th and 20th.												
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.
46.8	46.9	45.9	46.5	45.2	43.0	45.0	46.1	45.6	45.0	44.5	42.4	42.4
46.9	46.6	46.0	46.5	45.2	42.8	45.2	46.5	46.1	45.3	43.4	44.1	42.5
47.0	46.5	46.0	46.2	45.1	43.0	45.4	46.6	46.1	45.4	43.5	44.2	42.1
47.0	46.8	45.9	46.0	44.6	43.3	45.3	46.5	45.8	45.3	42.9	44.1	42.6
46.9	46.5	45.6	46.1	44.2	43.7	45.5	46.3	45.5	45.3	43.2	43.9	42.6
47.0	46.2	46.0	46.0	44.1	44.1	45.8	46.0	45.5	45.2	43.6	43.8	42.5
47.1	46.2	45.9	45.6	44.0	44.4	46.4	45.8	45.4	45.0	43.5	44.1	42.0
47.1	46.0	46.1	46.1	43.8	43.6	46.1	45.6	45.5	45.2	43.7	43.7	42.5
47.0	46.5	46.4	45.7	43.5	44.5	46.0	45.6	45.5	45.0	43.0	43.5	41.0
47.0	46.2	46.4	45.4	43.2	44.3	46.0	45.5	45.5	44.7	43.2	43.2	41.3
47.0	46.0	46.4	45.2	43.0	44.5	46.0	45.5	45.5	44.8	42.3	43.2	40.4
47.0	46.0	46.4	45.0	42.1	45.0	45.9	45.5	45.4	44.9	42.3	43.2	40.1

HORIZONTAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah. = .000234.												
47.1	48.8	49.4	49.8	50.1	50.0	51.0	51.6	52.0	52.6	52.5	53.3	53.5
47.3	49.1	49.4	49.6	50.1	50.4	51.1	51.7	52.2	52.2	52.7	53.0	53.5
48.0	49.2	49.5	49.7	49.8	50.6	51.2	52.0	52.5	52.5	52.3	53.0	53.5
48.0	49.5	49.7	49.7	49.7	50.6	51.2	52.1	52.5	52.7	52.6	53.0	53.0
48.7	49.4	49.8	49.8	49.6	50.5	51.4	52.1	52.5	52.2	53.2	53.5	53.7
48.9	49.1	49.7	49.9	49.7	50.8	51.3	52.2	52.5	52.0	53.0	53.5	53.5
79.0	77.0	76.0	75.0	74.0	73.0	72.2	72.2	70.8	70.2	69.2	68.0	67.0

VERTICAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah. = .00021.												
7.0	8.6	7.9	11.3	13.9	13.7	13.9	16.2	15.2	16.2	16.8	18.4	18.8
7.4	9.2	6.1	12.5	14.2	13.5	13.8	15.0	15.2	16.7	17.2	17.9	18.8
7.5	9.5	6.7	12.5	13.8	12.4	15.1	15.8	15.6	16.8	17.7	18.1	18.4
7.7	9.3	7.3	13.2	13.4	13.5	14.9	15.5	15.8	16.5	17.9	18.1	18.5
8.0	9.8	9.0	14.3	13.5	14.5	15.3	16.5	16.2	16.8	17.7	18.4	18.1
8.4	7.2	11.2	13.5	13.4	16.8	15.7	16.0	16.2	16.8	17.9	18.5	17.9
75.5	75.0	75.0	74.5	73.5	73.0	72.5	72.5	71.2	70.5	70.0	69.0	68.4

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.					
19	D.	H.	M.	In.	°	°						
	22	0	29.528	63.0	59.8	S. E. by S.	Fresh.	1.00	Overcast with light rain.			
20	23	0	29.526	62.2	60.2	—	Calm.	1.00	Overcast; rain.			
	0	0	29.488	62.0	59.7	S. E. by S.	Light.	1.00	Rain ceased.			
1	0	0	29.491	62.0	59.4	N. W. by W.	Moderate.	.62				
	2	0	29.504	63.0	59.0	—	Calm.	1.00	Overcast.			
3	0	0	29.496	63.8	59.1	—	Calm.	.50	Sky Clearing.			
	4	0	29.496	63.8	58.8	W. N. W.	Light.	.50	Sky Clearing.			
5	0	0	29.496	63.5	58.0	N. W. by W.	Light.	1.00	Overcast; much appearance of rain, sultry and close.			
	6	0	29.518	62.2	57.8	N. W. by W.	Light.	1.00				
7	0	0	29. —	60.0	51.2	N. W. by W.	Moderate.	1.00	Overcast.			
	8	0	29.592	57.2	50.0	N. W. by W.	Light.	—	Light fleecy clouds in all directions.			
9	0	0	29.609	58.4	51.3	N. W. by W.	Moderate.	—	Unsettled sky.			

February 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.
0	0		62.5	61.4	59.6	65.4	70.3	74.3	75.6	75.7	74.6	74.5
5	0		62.0	61.1	60.3	65.6	70.2	74.8	76.0	75.6	74.7	74.6
10	0		62.4	60.3	61.2	66.0	70.7	74.9	76.8	75.3	74.6	74.2
15	0		62.8	61.2	61.3	65.8	71.5	74.8	76.5	75.2	74.2	74.0
20	0		62.6	60.3	62.2	66.5	72.0	75.0	76.6	75.3	74.7	73.5
25	0		62.4	62.5	63.9	66.8	71.6	75.3	76.3	75.0	74.7	73.6
30	0		60.5	62.9	63.4	67.6	72.6	75.6	75.9	75.2	74.6	73.5
35	0		62.0	62.0	62.9	68.1	73.1	75.6	75.9	75.6	74.6	72.9
40	0		62.4	61.0	63.7	68.3	73.0	75.4	76.4	75.6	74.5	72.9
45	0		62.8	61.8	65.1	68.8	73.8	75.4	76.0	74.9	74.4	72.9
50	0		61.7	60.5	66.1	69.3	74.3	75.7	76.0	74.9	74.1	73.0
55	0		61.8	61.1	64.7	69.5	74.4	75.8	75.9	74.7	74.5	72.9
			One Scale Division = .000130 parts of the H. F.					HORIZONTAL FORCE.				
M.	S.											
2	30		70.4	69.4	64.3	62.4	60.4	59.2	59.2	58.8	57.5	60.2
12	30		71.1	68.7	63.8	62.0	59.9	59.7	59.3	59.1	57.3	59.9
22	30		70.8	67.5	62.9	61.8	59.9	60.3	60.2	58.4	58.1	58.9
32	30		69.8	67.1	62.6	61.6	61.1	60.8	58.4	59.6	58.2	58.7
42	30		70.2	66.8	62.7	62.5	61.5	59.1	58.5	59.3	57.6	57.5
52	30		70.4	66.0	60.7	60.9	60.6	59.4	58.8	58.1	58.3	58.7
Thermometer			62.8	63.2	65.0	67.0	69.0	71.0	72.5	74.0	75.0	75.5
			One Scale Division = .000035 parts of the V. F.					VERTICAL FORCE.				
M.	S.											
7	30		98.2	86.1	81.5	79.9	76.1	68.9	67.8	64.1	64.7	60.2
17	30		96.6	86.4	82.4	78.9	76.7	67.4	67.4	64.6	64.2	63.4
27	30		94.6	88.5	83.4	77.9	75.0	70.6	66.0	64.2	63.7	61.1
37	30		95.4	84.2	82.4	77.5	74.1	66.7	66.7	63.8	65.9	60.3
47	30		90.9	83.1	82.7	75.2	71.4	67.9	65.6	62.4	62.2	62.5
57	30		87.7	81.3	81.3	76.2	69.9	67.4	64.5	64.0	61.8	64.4
Thermometer			60.8	62.2	64.4	66.0	68.0	69.5	70.8	71.5	72.0	72.0
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.	°	°							
25	10	0	30.186	54.2	51.5	—	Calm.	0.00	Hazy.			
	11	0	30.191	58.0	53.9	—	Calm.	0.00	Hazy.			
	12	0	30.196	62.2	55.5	—	Calm.	0.00	Hazy.			
	13	0	30.198	65.2	56.8	—	Calm.	0.00	Hazy.			
	14	0	30.194	67.5	58.4	—	Calm.	0.00	Hazy.			
	15	0	30.190	70.5	60.3	S. by E.	Light.	0.00	Hazy.			
	16	0	30.190	72.2	61.6	S. by E.	Fresh.	0.00	Hazy.			
	17	0	30.190	70.0	60.6	S. by E.	Fresh.	0.00	Hazy.			
	18	0	30.185	69.0	60.4	S. S. E.	Fresh.	0.00	Much haze.			
	19	0	30.190	67.5	59.5	S. E. by S.	Moderate.	0.00	Hazy.			
	20	0	30.200	64.0	57.4	S. E. by S.	Moderate.	0.25				
	21	0	30.217	61.5	56.8	S. E. by S.	Moderate.	—	Sky very nearly overcast; appearance of rain.			

MAGNETICAL OBSERVATIONS.													February 25th and 26th.	
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.		
73.0	71.3	70.7	69.1	69.6	68.7	69.5	69.3	69.6	69.6	70.6	69.2	68.0		
—	71.2	70.8	68.5	69.6	68.8	69.8	69.0	69.8	69.7	70.8	69.1	67.8		
72.7	71.4	71.1	68.5	69.8	69.1	69.6	69.2	69.6	69.5	71.0	69.4	67.7		
72.6	72.1	71.4	70.0	69.9	69.3	69.7	69.1	69.5	69.6	71.0	69.9	67.3		
72.8	72.3	71.7	69.7	70.0	69.3	70.0	69.1	69.3	69.7	70.7	69.6	66.9		
72.6	71.0	71.5	69.1	70.1	69.2	69.6	69.1	69.9	69.8	70.2	69.8	67.3		
72.5	70.7	71.2	69.0	69.8	69.3	69.6	69.3	69.7	69.8	70.7	69.5	65.8		
72.4	71.1	71.0	69.4	69.5	69.5	69.3	69.3	69.6	69.9	70.3	69.2	66.6		
71.9	70.7	70.8	69.6	69.5	69.7	69.2	69.5	69.5	70.0	69.9	68.9	65.9		
70.2	70.8	70.8	69.6	69.0	69.5	69.0	68.9	69.3	70.3	69.5	68.9	65.7		
70.4	70.8	70.9	69.4	68.8	69.5	69.1	69.5	69.6	70.7	69.6	68.7	65.1		
70.7	70.9	70.2	69.4	68.6	69.3	69.5	69.6	69.5	70.8	69.3	68.4	64.6		

HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .000234.	
59.2	60.5	60.2	63.3	66.1	64.5	63.9	64.3	64.8	65.6	66.0	67.2	68.0		
59.3	58.0	61.2	67.5	66.2	64.1	64.0	65.0	65.0	65.6	66.3	67.0	67.7		
58.6	56.6	60.9	66.3	67.3	64.2	64.5	64.9	65.9	65.8	66.7	67.8	67.5		
58.8	57.6	61.2	66.9	67.3	63.6	65.0	64.6	65.1	65.9	66.9	67.9	67.5		
59.5	58.2	61.4	64.8	65.9	63.8	64.6	64.9	65.4	65.7	67.4	68.0	66.9		
60.4	59.4	61.6	64.2	65.0	63.8	64.4	64.8	65.3	65.9	67.5	68.0	66.2		
74.2	73.0	71.8	70.5	69.8	70.8	69.2	69.0	68.5	68.0	68.0	67.5	67.0		

VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .00021.	
65.8	63.2	69.6	67.7	69.3	67.4	75.2	75.0	77.9	77.0	81.6	75.9	80.2		
63.8	65.9	70.0	64.7	68.0	69.8	75.8	77.1	79.6	77.6	79.9	77.6	80.6		
65.4	68.2	71.3	63.7	65.6	70.1	75.3	77.1	77.3	77.9	80.7	80.4	81.4		
63.2	70.2	71.5	65.2	64.0	72.0	75.5	76.1	78.6	78.8	79.9	78.3	80.8		
61.2	70.2	72.7	66.9	64.7	73.7	75.7	76.7	76.0	80.0	77.4	80.7	81.4		
61.6	69.8	71.9	69.1	66.6	74.0	76.3	79.2	78.6	79.6	77.6	79.7	82.4		
71.0	72.0	71.2	70.5	70.0	70.5	69.5	69.0	69.0	69.0	68.0	68.0	67.0		

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.	°	°							
25	22	0	30.237	60.0	55.9	S. E. by S.	Moderate.	1.00	Overcast; with appearance of rain.			
	23	0	30.257	59.5	56.0	S. E. by S.	Light.	1.00	Overcast and gloomy; drizzling rain.			
26	0	0	30.263	59.0	56.0	S. E. by S.	Light.	1.00	Overcast; with light drizzling rain.			
	1	0	30.261	59.0	56.5	S. S. E.	Light.	1.00	Overcast.			
	2	0	30.249	59.0	56.8	Southerly.	Light.	1.00	Overcast and gloomy.			
	3	0	30.285	59.5	57.2	S. E.	Light.	1.00	Overcast and gloomy.			
	4	0	30.265	60.0	57.5	S. E.	Light.	1.00	Overcast and gloomy.			
	5	0	30.247	60.5	57.5	W. N. W.	Moderate.	.50	Partially clear.			
	6	0	30.248	59.5	56.8	—	Calm.	.00	Perfectly clear; moonlight.			
	7	0	30.247	58.0	55.7	—	Calm.	.25				
	8	0	30.259	56.5	53.5	—	Calm.	—	Unsettled appearance of the weather.			
	9	0	30.267	55.1	54.1	—	Calm.	.13	Hazy.			

March 23rd and 24th.			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		66·2	62·9	61·9	67·2	77·1	77·2	79·1	79·0	78·2	78·4	77·2
5	0		65·6	64·5	63·7	70·1	77·2	77·0	79·9	78·9	78·4	78·3	76·9
10	0		65·9	64·3	65·7	72·3	76·9	78·0	79·5	78·4	78·3	78·4	76·1
15	0		65·5	63·7	63·0	73·7	76·9	77·5	79·6	80·0	78·4	77·8	75·1
20	0		65·8	61·5	62·2	74·5	76·9	77·5	80·1	79·0	78·0	77·5	74·8
25	0		65·2	60·6	61·1	75·0	77·0	77·8	79·3	79·4	77·9	77·7	74·8
30	0		66·3	62·2	61·4	75·5	77·0	78·3	79·3	79·8	77·6	76·9	75·2
35	0		63·9	62·8	63·3	75·9	76·9	78·7	79·3	79·2	77·6	77·0	74·9
40	0		64·0	62·9	65·8	76·0	76·9	79·3	78·9	78·9	78·2	76·9	74·7
45	0		59·8	64·5	65·7	76·9	77·3	79·4	79·3	78·9	78·4	76·3	74·9
50	0		62·7	62·8	63·4	76·9	77·3	78·7	79·1	78·7	77·9	76·6	75·1
55	0		63·2	62·4	65·6	77·2	77·3	79·1	78·8	78·6	77·4	77·2	74·2
			One Scale Division = ·000130 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		81·8	81·8	78·8	73·6	77·6	75·6	77·8	77·1	76·5	78·5	74·6
12	30		82·4	80·5	77·7	73·8	77·2	76·3	76·2	76·5	76·6	77·5	75·4
22	30		83·2	77·6	73·6	75·9	76·9	76·0	76·1	78·2	77·5	76·9	74·7
32	30		81·3	77·8	70·3	76·9	77·3	77·2	75·4	77·0	76·8	74·7	74·6
42	30		78·2	79·1	74·6	77·0	76·5	77·7	75·9	76·8	78·9	76·3	76·3
52	30		81·2	78·2	72·3	77·1	76·0	76·6	76·9	76·7	75·6	74·7	77·3
Thermometer			60·0	60·5	61·0	62·0	63·0	63·5	63·6	64·0	64·0	64·4	64·5
			One Scale Division = ·000035 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
7	30		83·2	77·0	75·2	79·1	71·8	73·5	74·7	74·3	75·9	77·8	80·4
17	30		80·1	75·1	71·3	78·6	72·4	72·9	76·0	75·0	76·1	77·7	76·8
27	30		78·7	75·4	72·1	77·9	71·2	74·0	76·4	75·0	75·6	78·6	75·4
37	30		79·3	75·5	76·9	75·1	71·0	73·7	76·0	76·1	75·6	79·6	75·6
47	30		81·0	73·6	70·8	73·0	72·5	73·2	74·9	75·1	75·9	78·4	72·7
57	30		77·7	73·2	73·6	73·9	72·1	74·4	74·5	75·2	77·7	79·6	68·9
Thermometer			58·5	59·0	59·5	61·0	61·5	61·5	62·0	62·2	62·0	62·2	62·5
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.	°	°								
23	10	0	29·720	55·5	49·0	N.W. by N.	Strong Squalls.	1·00	Overcast and gloomy.				
	11	0	29·729	57·0	50·0	N.W. by W.	Strong Squalls.	1·00	Overcast and gloomy.				
	12	0	29·725	60·0	51·9	N.W. by W.	Moderated.	1·00	Overcast.				
	13	0	29·731	65·5	53·5	W. N.W.	Strong Squalls.	1·00	Gloomy.				
	14	0	29·702	63·0	52·0	N.W.	Fresh Squalls.	1·00	Overcast, with appearance of rain.				
	15	0	30·094	62·2	53·0	N.W.	Much moderated.	1·00	Overcast and gloomy, with appearance of rain.				
	16	0	30·089	61·6	53·0	N.W. by N.	Fresh.	1·00	Overcast and gloomy, with appearance of rain.				
	17	0	30·086	61·4	53·4	N.W.	Moderate.	1·00	Overcast and gloomy, much appearance of rain.				
	18	0	30·089	61·5	53·5	—	Calm.	1·00	Overcast and gloomy; appearance of rain.				
	19	0	30·095	60·8	53·6	—	Calm.	1·00	Overcast.				
	20	0	30·103	59·8	51·8	N.W. by N.	Light.	·62					
	21	0	30·108	57·5	48·8	W. N.W.	Fresh Squalls.	—	Threatening in the W. N. W.				

MAGNETICAL OBSERVATIONS.

March 23rd and 24th.

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.
73.6	62.8	65.2	70.9	71.7	71.9	71.7	71.5	71.0	73.8	71.7	68.0	70.4
73.7	62.2	65.5	71.8	71.7	72.0	71.5	71.3	71.0	73.5	71.4	67.7	70.6
73.6	63.5	66.1	72.4	71.8	71.3	71.6	71.0	74.1	72.9	71.4	67.6	70.1
72.9	65.0	67.0	71.9	71.9	71.1	71.7	70.5	74.9	72.1	71.7	66.9	70.4
72.9	65.7	67.0	71.5	71.9	71.5	71.5	70.2	75.1	71.2	71.7	66.5	70.2
73.5	67.5	65.9	71.8	72.0	71.2	71.4	70.0	74.9	71.0	72.1	66.5	70.0
72.7	68.3	67.2	71.8	72.0	71.0	71.6	70.2	74.8	71.4	71.9	66.6	70.1
71.3	66.8	69.6	71.9	72.0	70.9	71.5	70.8	75.5	71.3	71.1	67.1	70.0
71.3	65.1	70.8	72.1	71.4	71.4	71.5	71.3	75.5	71.4	70.3	68.0	70.1
71.5	64.7	70.2	72.0	71.7	71.5	71.3	71.2	75.1	71.6	69.8	68.8	70.0
70.2	65.2	70.5	71.8	71.7	71.7	71.2	72.3	74.8	72.4	69.2	69.5	69.6
66.3	64.4	71.1	71.7	71.9	71.6	71.0	71.6	74.6	72.1	68.9	70.0	69.3

HORIZONTAL FORCE.

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

76.4	73.6	75.3	74.8	77.2	78.3	78.2	78.7	78.3	81.3	81.8	82.9	75.6
76.8	78.7	69.8	74.2	77.8	79.5	77.7	79.4	80.0	80.7	80.9	82.6	76.0
74.8	81.3	66.7	74.4	77.5	79.7	78.8	78.6	79.5	80.4	81.0	80.9	77.3
74.2	74.2	70.5	75.0	77.6	78.0	79.0	79.0	81.1	81.1	81.3	77.4	78.8
77.9	74.7	70.5	75.8	77.2	78.3	78.4	79.1	81.8	80.4	82.2	76.2	79.1
73.1	76.4	72.6	76.5	77.8	78.5	78.2	77.6	81.5	81.4	82.4	75.7	78.3
64.8	64.2	64.0	63.0	62.5	62.0	61.5	62.0	61.0	60.4	60.0	60.0	60.0

VERTICAL FORCE.

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

68.2	61.8	65.9	80.1	77.0	75.8	78.3	81.5	82.1	78.5	73.5	68.2	83.3
65.5	59.0	74.6	78.8	75.1	74.8	78.7	78.5	82.4	77.1	73.9	68.6	82.9
67.6	59.4	79.4	78.6	75.3	74.2	78.8	78.1	82.6	76.4	74.6	68.6	81.0
65.5	63.6	82.1	79.4	75.0	77.0	78.9	79.3	80.9	75.9	73.3	75.6	75.3
63.6	65.2	81.5	78.9	75.3	77.8	79.7	79.1	80.1	76.1	71.1	79.5	73.8
61.2	63.1	80.4	77.3	75.5	78.0	80.5	80.1	79.1	75.4	69.3	81.8	71.7
64.0	64.0	64.0	63.0	63.0	63.0	62.0	61.0	61.2	61.0	61.4	61.5	61.5

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.		
23	22	0	In. 30.138	56.0	48.0	Variable.	Squally.	.62	Overcast and gloomy. Overcast. Sky a little cleared. Overcast. Overcast. Overcast and gloomy. Overcast and gloomy. Overcast and gloomy.
	23	0	30.163	54.5	46.0	S.W.	Moderate.	1.00	
24	0	0	30.171	53.5	45.8	S.W. by S.	Light.	1.00	
	1	0	30.169	53.0	46.0	W. by N.	Light.	—	
	2	0	30.158	52.0	49.0	S. by W.	Light.	1.00	
	3	0	29.932	51.3	44.0	S.S.W.	Light.	.75	
	4	0	29.934	51.2	44.0	S.W. by S.	Light.	.75	
	5	0	29.954	51.2	44.5	S.S.W.	Light.	.75	
	6	0	29.957	51.0	44.4	N. by E.	Light.	1.00	
	7	0	29.984	51.2	44.6	S.W. by S.	Light.	1.00	
	8	0	30.004	51.0	44.6	S.W. by S.	Light.	1.00	
	9	0	30.016	50.5	44.5	S. by W.	Light.	1.00	

April 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.	
0	0		69.0	67.9	68.4	67.8	70.9	75.0	75.1	78.4	79.1	76.8	
5	0		69.0	67.5	68.4	67.5	71.5	74.6	74.4	78.0	79.2	76.7	
10	0		69.0	67.5	68.2	67.1	71.4	74.4	73.5	78.1	79.3	77.3	
15	0		69.3	68.4	68.2	64.9	72.2	75.1	75.6	77.3	79.5	77.4	
20	0		69.3	67.3	68.0	67.5	72.4	75.1	77.4	76.8	79.4	78.9	
25	0		68.2	67.5	67.9	68.1	73.1	75.8	78.0	76.8	79.1	79.1	
30	0		68.0	67.9	68.0	68.8	73.1	76.9	78.2	77.2	78.0	78.7	
35	0		68.4	67.9	68.5	69.5	72.5	—	77.8	77.5	77.0	78.0	
40	0		68.4	67.6	68.4	69.3	73.4	78.0	77.8	77.9	76.4	77.7	
45	0		68.2	67.5	67.9	69.8	74.6	77.7	78.0	78.3	75.9	77.3	
50	0		68.0	67.9	67.5	70.3	74.6	77.2	78.5	78.8	76.1	77.8	
55	0		67.8	68.0	66.9	71.0	74.9	75.7	78.6	78.4	75.9	74.1	
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		64.1	61.8	56.5	52.6	50.4	44.7	33.9	39.7	47.2	52.1	
12	30		63.6	62.3	54.6	51.7	49.9	46.2	33.3	40.1	46.6	52.1	
22	30		61.7	61.1	53.1	52.3	49.9	45.3	35.4	41.3	45.4	51.3	
32	30		62.6	59.7	53.2	52.7	49.5	45.9	35.0	45.9	45.9	43.9	
42	30		62.4	58.7	52.1	52.7	50.7	43.1	36.9	46.1	46.2	42.2	
52	30		62.6	57.8	51.3	52.5	47.8	36.1	37.7	47.7	49.3	39.1	
Thermometer.			54.8	55.0	55.8	56.8	58.0	59.4	60.6	61.5	62.5	62.5	62.0
			One Scale Division = .000035 parts of the V. F..					VERTICAL FORCE.					
M.	S.												
7	30		106.8	101.2	100.7	95.9	91.7	96.8	107.1	97.8	86.4	84.8	87.4
17	30		106.5	101.2	101.6	92.4	93.5	97.9	108.3	93.9	87.7	86.6	80.6
27	30		107.2	99.7	102.2	94.5	92.3	97.7	108.0	91.3	87.2	88.9	80.3
37	30		106.9	99.8	101.8	93.0	91.5	98.6	107.1	88.1	85.8	95.0	79.7
47	30		104.5	100.0	100.7	90.1	92.6	100.7	103.1	86.6	85.2	97.3	80.4
57	30		103.4	99.8	99.7	91.1	94.1	106.8	102.0	85.6	83.8	93.0	78.4
Thermometer			52.8	54.0	56.0	56.0	57.0	58.0	58.8	60.0	60.2	60.5	60.5
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.	°	°								
20	10	0	30.201	45.0	44.5	S. by W.	Light.	0.38					
	11	0	30.219	48.4	47.4	N. W.	Light.	0.38					
	12	0	30.223	50.6	49.4	N. by E.	Moderate.	0.25					
	13	0	30.215	54.6	51.0	N. by E.	Light.	0.38					
	14	0	30.211	58.0	52.4	N. by E.	Light.	—	Becoming overcast.				
	15	0	30.202	59.5	51.6	N. E.	Light.	1.00	Overcast.				
	16	0	30.189	59.6	52.4	—	Calm.	1.00	Overcast; appearance of rain.				
	17	0	30.171	59.5	52.4	—	Calm.	1.00	Overcast; appearance of rain.				
	18	0	30.169	57.8	51.3	—	Calm.	1.00	Overcast; appearance of rain.				
	19	0	30.181	55.5	50.9	S. E. by S.	Light.	1.00	Overcast; much appearance of rain.				
	20	0	30.189	54.0	49.4	S. E. by S.	Light.	1.00	Overcast; much appearance of rain.				
	21	0	30.195	53.0	49.8	—	Calm.	1.00	Overcast and gloomy.				

MAGNETICAL OBSERVATIONS.

April 20th and 21st.

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.	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.
71.4	72.0	69.8	55.3	62.5	69.9	67.9	78.4	72.4	74.0	70.0	70.1	71.2
71.3	72.2	68.0	57.2	63.1	69.7	67.7	77.5	73.3	73.7	69.5	70.6	71.5
71.6	72.0	66.5	58.7	64.8	69.9	68.5	75.2	73.3	73.5	69.5	71.0	71.5
71.3	72.3	63.4	59.6	65.5	70.4	70.5	73.5	72.8	73.0	69.6	70.8	71.5
70.7	71.6	62.9	61.0	66.6	70.5	73.5	71.7	72.0	72.7	69.3	70.0	71.6
70.7	72.1	64.5	61.5	67.0	69.6	74.2	71.0	71.4	72.1	69.8	69.8	70.6
71.1	71.5	64.6	61.3	67.7	69.0	72.7	70.5	70.8	71.2	70.1	69.5	71.2
71.7	71.7	61.1	61.6	68.0	68.6	72.6	69.8	70.2	70.4	70.6	69.9	70.7
71.1	71.6	54.7	62.2	68.6	68.6	72.5	70.5	70.3	70.3	70.8	70.5	71.3
71.1	71.5	50.7	62.9	68.7	68.9	73.0	70.3	70.9	69.9	70.2	70.5	70.8
71.3	71.6	51.5	63.0	69.3	68.3	74.3	69.5	72.1	69.4	70.0	70.9	70.8
71.5	71.3	53.0	63.1	69.6	68.1	77.0	70.5	73.1	69.6	69.8	71.4	70.2

HORIZONTAL FORCE.

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

45.6	49.2	43.6	65.1	51.9	49.6	53.1	58.7	51.5	51.5	55.2	53.0	54.3
44.3	50.1	40.9	63.7	50.6	50.9	56.4	57.5	50.3	52.6	53.9	53.7	55.2
45.7	49.9	45.0	61.9	48.5	51.1	63.3	58.7	51.5	54.0	53.2	53.1	55.2
48.1	49.2	45.3	58.0	47.7	50.4	63.0	58.3	50.2	55.3	53.1	52.5	55.2
49.5	47.5	48.4	57.2	48.6	51.4	59.4	55.9	49.6	55.7	53.1	52.2	58.0
49.9	46.5	61.7	53.9	48.7	54.1	59.2	53.3	50.1	56.5	52.9	52.8	59.2
62.0	62.0	61.8	61.4	61.0	60.4	60.4	60.2	60.0	59.0	59.0	58.0	57.5

VERTICAL FORCE.

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

79.1	75.8	75.7	48.9	74.1	85.1	81.4	81.4	84.9	78.0	74.5	86.6	89.8
79.5	76.0	76.7	52.6	77.5	88.5	81.2	79.5	86.2	76.3	75.7	86.0	88.4
78.7	74.1	75.6	56.7	84.8	85.1	78.3	74.4	77.7	75.3	79.3	85.9	88.2
75.9	75.9	68.3	60.5	86.5	85.6	74.0	72.1	77.7	Vibrating.	81.7	88.0	88.7
75.8	76.9	59.6	63.2	85.8	84.9	78.4	72.4	78.6	Vibrating.	82.9	89.0	87.4
73.0	78.3	50.5	69.8	87.8	82.5	80.3	75.4	79.7	72.5	83.4	89.9	86.1
62.8	63.2	63.2	64.0	63.5	62.0	61.5	61.5	62.4	61.8	60.8	60.5	59.2

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	22	0	30.206	52.5	47.4	—	Calm.	0.38	
	23	0	30.205	50.0	47.2	S. E. by S.	Light.	1.00	Overcast.
21	0	0	30.198	49.5	48.0	—	—	1.00	Overcast.
	1	0	30.204	49.5	49.0	S. E. by S.	Light.	1.00	Overcast.
	2	0	30.200	49.8	49.0	S. E. by S.	Light.	1.00	Overcast.
	3	0	30.201	49.5	48.4	—	Calm.	1.00	Overcast.
	4	0	30.199	49.4	47.8	—	Calm.	1.00	Overcast.
	5	0	30.197	47.5	45.5	—	Calm.	0.13	Clear and starlight.
	6	0	30.187	45.8	44.4	—	Calm.	0.25	A few dark clouds in the north.
	7	0	30.188	45.8	45.0	—	Calm.	0.38	
	8	0	30.205	46.0	44.4	—	Calm.	0.25	
	9	0	30.201	47.5	44.4	—	Calm.	1.00	Overcast, with appearance of rain.

May 27th and 28th.			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		70.5	69.8	69.6	70.0	70.1	71.2	73.4	74.5	75.2	72.2	71.1
5	0		70.5	70.1	69.3	69.7	69.8	70.7	73.4	74.6	75.2	71.9	71.5
10	0		71.0	70.0	69.5	69.6	70.0	71.5	73.6	74.6	75.2	72.0	71.5
15	0		70.9	70.0	69.6	69.7	70.4	71.6	73.7	74.6	75.0	72.0	71.5
20	0		70.5	69.6	69.7	70.1	70.4	71.7	73.6	74.7	75.5	71.8	71.6
25	0		70.7	69.7	69.6	69.6	70.5	72.4	73.9	74.9	75.0	72.1	71.6
30	0		70.7	69.8	69.7	69.6	71.0	72.2	74.1	75.0	74.2	71.5	71.6
35	0		70.5	69.6	69.7	70.3	71.1	72.5	74.1	74.9	74.4	71.4	71.5
40	0		70.4	69.6	69.6	69.2	71.1	73.0	74.5	74.9	74.0	70.9	71.5
45	0		70.3	69.8	69.9	70.0	71.0	73.3	74.4	74.8	73.4	70.4	71.5
50	0		70.5	69.7	69.8	69.6	70.9	73.3	74.5	74.7	73.0	70.4	71.7
55	0		70.3	69.7	69.9	69.6	71.1	73.0	74.4	74.9	72.7	70.5	71.8
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		74.5	75.4	72.8	68.3	67.0	64.4	65.5	64.0	66.5	67.5	69.0
12	30		74.8	74.8	71.9	68.5	66.9	64.9	65.5	64.0	67.0	66.5	69.5
22	30		75.1	74.7	71.2	68.5	66.9	64.9	65.2	65.0	67.2	68.5	70.0
32	30		75.4	74.2	70.3	67.4	66.0	65.7	65.0	66.0	65.5	68.5	70.0
42	30		75.1	73.9	69.8	67.1	65.7	65.3	65.0	65.9	65.6	67.5	70.5
52	30		75.1	73.3	68.9	67.4	65.0	65.9	65.0	65.7	65.2	68.0	71.0
Thermometer			56.0	55.2	55.5	55.0	55.2	55.5	54.2	57.0	58.0	58.0	58.0
			One Scale Division = .000036 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
7	30		33.4	30.7	42.3	46.3	45.4	45.4	46.4	44.8	47.6	47.2	Vibrating
17	30		32.8	34.5	43.2	46.4	44.9	45.4	46.5	45.6	46.3	46.8	24.4
27	30		31.8	36.7	44.6	45.3	45.0	46.1	45.7	47.6	46.9	40.7	24.3
37	30		30.3	38.7	45.9	45.6	45.7	46.1	45.9	46.1	47.4	33.4	26.3
47	30		30.4	40.1	46.5	44.8	45.2	46.5	46.3	45.9	47.2	31.1	23.0
57	30		30.3	41.8	46.2	44.1	45.2	46.2	45.6	45.7	46.5	Vibrating.	23.3
Thermometer			55.0	56.5	54.0	53.5	53.8	54.2	56.5	55.0	55.0	55.0	59.0
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.	°	°								
27	10	0	29.581	49.0	44.6	N. W. by N.	Fresh.	1.00	Overcast.				
	11	0	29.599	48.8	45.0	N. W. by N.	Moderate.	.75					
	12	0	29.603	49.0	45.1	N. W. by N.	Moderate.	1.00	Overcast.				
	13	0	29.613	50.2	46.3	N. W. by N.	Moderate.	1.00	Overcast, gloomy; occasional light showers.				
	14	0	29.595	51.8	46.9	N. W. by N.	Light.	1.00	Overcast.				
	15	0	29.586	53.0	47.9	N. W. by N.	Moderate.	.75	Showery.				
	16	0	29.558	53.5	47.3	N. W. by N.	Squally.	.25					
	17	0	29.564	54.2	47.2	N. W. by N.	Squally.	.62					
	18	0	29.566	52.5	45.6	N. W. by N.	Squally.	.62					
	19	0	29.565	50.2	44.6	N. W. by N.	Moderate.	.50					
	20	0	29.575	49.0	44.0	N. W. by N.	Moderate.	.62					
	21	0	29.597	48.0	43.6	N. W. by N.	Moderate.	.13					

MAGNETICAL OBSERVATIONS.												
May 27th and 28th.												
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.
71.8	69.7	69.5	70.4	69.7	69.4	70.0	69.8	71.0	71.2	71.4	71.3	70.5
71.8	69.5	69.5	70.1	69.7	69.5	70.0	69.4	71.0	72.0	71.4	71.2	70.3
71.7	69.9	69.5	70.0	69.9	69.5	70.0	69.6	70.8	71.2	71.4	71.0	70.3
71.7	70.2	69.5	70.4	69.7	69.6	70.2	69.8	70.6	71.6	71.4	70.4	70.3
71.7	70.0	69.6	70.4	70.0	70.0	70.4	70.2	70.6	71.6	71.4	70.8	70.4
71.6	69.8	70.4	70.4	70.0	69.6	70.2	70.6	70.6	71.4	71.6	70.4	70.6
71.6	69.7	70.5	70.0	70.0	69.8	70.2	70.8	70.6	71.4	71.5	70.5	70.8
70.9	69.6	70.5	69.8	70.0	69.8	70.0	70.6	70.9	71.5	71.4	70.6	70.8
70.4	70.3	70.4	69.7	70.2	69.6	69.9	70.4	71.0	71.4	71.4	70.6	70.7
70.4	70.0	70.2	69.6	70.0	69.5	69.8	70.4	71.2	71.6	71.6	71.0	70.5
70.2	70.3	70.4	69.5	70.0	69.6	69.9	70.6	71.4	71.6	71.5	70.7	70.6
70.1	69.7	70.5	69.9	70.1	69.7	69.7	70.8	71.2	71.5	71.3	70.7	70.5

HORIZONTAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.												
71.0	71.7	71.8	70.2	71.6	72.0	71.4	73.7	73.2	73.4	74.4	75.5	77.1
71.0	72.1	71.9	72.5	72.3	70.8	72.1	73.3	73.1	73.6	74.9	75.6	77.5
71.0	72.1	70.1	71.0	72.3	72.0	73.0	73.0	73.3	73.4	75.1	75.8	77.8
71.7	72.1	69.4	71.5	72.4	71.4	72.3	73.3	72.3	74.2	74.9	76.0	78.0
71.0	72.0	69.7	71.2	71.8	72.7	72.8	72.9	72.8	74.0	75.1	76.2	78.3
71.0	72.3	70.5	72.1	72.8	71.1	73.3	72.8	72.8	74.6	75.3	77.1	79.2
57.0	59.0	56.0	58.7	56.5	56.8	55.5	55.2	54.5	55.5	54.0	54.0	54.0

VERTICAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = 00021.												
23.6	21.2	23.3	28.2	29.2	28.9	35.7	36.4	39.6	40.2	35.8	32.2	32.5
24.1	22.0	24.7	24.3	30.1	31.6	36.1	38.7	39.5	41.1	35.4	31.5	30.3
24.0	21.6	26.6	23.7	30.9	32.5	36.0	38.6	39.4	40.5	34.1	32.5	30.8
23.6	22.0	28.6	23.0	30.9	33.9	35.7	38.1	40.1	37.6	34.1	31.9	30.0
23.9	22.5	29.5	24.5	28.6	33.6	36.3	38.2	41.3	37.4	33.0	32.7	31.3
23.4	24.2	29.3	27.1	27.4	35.5	36.4	38.7	40.4	37.9	33.4	32.5	29.9
59.0	57.0	58.5	56.5	59.2	58.8	57.2	57.0	56.5	56.0	56.4	57.0	56.0

Declination, 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.	°	°							
27	22	0	29.609	47.0	42.4	N. W. by N.	Moderate.	0.13	Fair.			
	23	0	29.616	46.8	41.9	N. W. by N.	Light.	0.50	Partially clear.			
28	0	0	29.636	46.6	42.2	N. W. by N.	Light.	0.50				
	1	0	29.666	45.2	42.1	N. W. by N.	Light.	0.25				
	2	0	29.676	44.0	40.6	N. W. by N.	Light.	0.25				
	3	0	29.680	43.4	40.0	W. N. W.	Light.	0.25				
	4	0	29.688	43.0	38.9	N. W. by N.	Moderate.	0.13				
	5	0	29.694	42.0	33.0	E. by N.	Light.	0.62				
	6	0	29.701	42.0	38.0	E. by N.	Light.	0.62				
	7	0	29.715	42.0	38.5	E. S. E.	Light.	1.00	Overcast; inclined to rain.			
	8	0	29.741	41.6	39.0	—	Calm.	1.00	Overcast.			
	9	0	29.824	41.0	38.6	—	Calm.	0.13	Fair.			

June 22nd and 23rd.			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		—	73.3	72.1	71.6	72.1	74.1	78.2	78.1	80.0	76.8	74.4
5	0		73.5	73.2	71.8	72.2	72.7	75.3	77.6	78.4	82.2	78.2	75.0
10	0		73.6	73.1	71.5	71.1	71.6	75.6	77.6	78.1	82.5	76.8	75.8
15	0		73.7	72.9	71.9	70.4	71.9	75.2	75.8	77.9	81.6	76.8	76.0
20	0		73.7	72.8	71.5	70.8	72.5	74.6	77.0	78.1	79.7	77.3	77.2
25	0		73.2	72.6	71.6	71.2	73.3	76.0	77.2	78.5	79.5	77.2	77.8
30	0		73.3	72.9	71.4	71.4	72.8	75.9	77.0	78.8	79.0	77.3	77.9
35	0		73.3	72.3	71.4	71.6	72.4	75.7	76.9	78.8	79.0	76.8	78.3
40	0		73.3	71.8	70.9	71.7	72.7	75.6	76.3	78.7	77.8	75.1	74.4
45	0		73.0	72.2	70.7	71.0	73.6	75.8	76.8	78.8	77.0	75.4	70.9
50	0		73.5	72.2	71.2	71.8	73.1	76.7	77.1	78.7	76.6	75.0	70.1
55	0		73.2	72.0	70.4	71.7	73.5	76.3	78.4	79.0	76.4	75.2	71.2
M. S.			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
			89.7	90.8	91.2	81.8	80.8	76.4	76.0	72.5	72.6	71.4	73.0
2	30		90.3	90.5	89.4	83.0	80.2	75.7	73.5	72.4	67.4	72.0	72.5
22	30		90.8	90.5	89.7	83.8	80.3	73.8	75.6	75.0	67.2	71.0	71.5
32	30		91.4	90.5	89.0	84.7	78.7	74.6	73.0	74.5	67.0	70.5	69.5
42	30		91.9	92.3	87.5	84.3	79.0	74.2	70.2	74.3	69.5	71.8	66.0
52	30		91.4	91.6	85.8	82.2	76.6	77.1	72.7	71.7	69.0	72.8	65.5
Thermometer			47.0	48.0	48.3	49.0	49.7	50.2	51.0	50.8	51.0	50.1	50.1
M. S.			One Scale Division = .000039 parts of the V. F.					VERTICAL FORCE.					
			67.5	53.4	49.3	52.7	—	54.5	53.3	56.8	63.4	59.3	50.7
7	30		62.5	52.3	48.9	50.6	—	54.8	55.3	56.0	65.0	59.3	53.7
17	30		58.8	51.7	50.3	49.8	51.7	54.1	54.0	55.3	68.4	58.2	56.9
27	30		55.3	50.3	50.0	48.2	51.1	52.5	53.8	55.4	64.7	54.0	—
37	30		54.0	47.7	50.8	48.7	52.4	54.5	56.1	56.4	62.3	52.2	58.2
47	30		52.1	49.2	51.8	48.2	53.3	53.1	56.8	58.7	62.6	54.0	60.8
Thermometer			47.0	50.0	50.4	51.2	52.0	52.6	53.0	53.0	52.8	52.0	52.4
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.	°	°								
22	10	0	29.814	40.5	38.6	W. N. W.	Light.	0.88	Nearly overcast.				
	11	0	29.824	41.0	39.1	W. N. W.	Light.	0.75					
	12	0	29.816	43.0	41.0	W. N. W.	Light.	0.62					
	13	0	29.814	45.0	41.0	S.	Light.	1.00	Overcast; light passing shower.				
	14	0	29.808	46.0	42.0	S. W. by W.	Light.	1.00	Overcast.				
	15	0	29.805	46.0	41.0	S. W. by W.	Light.	1.00	Overcast.				
	16	0	29.798	45.8	41.0	S. W. by W.	Light.	0.50	Partially clear.				
	17	0	29.818	45.8	39.3	S. W. by W.	Light.	0.25					
	18	0	29.824	44.0	38.4	W.	Light.	0.25					
	19	0	29.812	42.7	37.5	W.	Light.	0.25					
	20	0	29.823	40.0	35.7	W.	Light.	0.25					
	21	0	29.842	37.8	34.6	—	Calm.	0.00	Clear.				

MAGNETICAL OBSERVATIONS.												
												June 22nd and 23rd.
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.
71.1	73.3	74.8	72.7	60.7	70.5	72.7	72.2	74.2	72.5	74.2	76.4	74.6
69.8	73.4	74.6	72.1	62.1	70.4	72.9	71.8	74.0	73.3	74.3	77.8	74.1
68.9	74.3	74.2	70.8	63.3	70.2	72.4	72.2	74.2	73.9	74.7	78.5	73.9
70.0	74.2	73.8	69.9	62.8	70.0	72.2	72.4	73.7	73.3	75.9	79.3	73.9
70.9	74.6	73.2	69.3	63.5	70.3	71.7	72.5	73.8	74.0	75.7	80.3	74.1
72.2	75.2	73.3	69.6	64.9	70.4	70.4	73.0	73.5	73.7	75.6	79.9	74.1
73.1	74.9	72.9	70.4	65.6	70.9	70.0	73.2	73.2	74.2	74.9	79.4	74.5
73.3	74.2	73.1	70.9	66.8	71.7	70.5	73.5	73.4	74.0	73.7	78.6	74.9
73.1	74.4	72.9	71.4	67.5	71.3	70.8	73.5	73.3	73.9	73.4	77.6	74.6
71.8	74.6	73.3	71.6	67.9	71.7	71.0	73.2	73.3	73.9	72.7	77.1	74.1
73.0	74.5	72.6	68.2	68.9	72.1	71.4	73.6	73.2	74.2	74.3	75.9	75.2
73.7	74.9	72.3	63.1	70.0	72.4	72.1	74.5	72.4	74.3	75.3	74.9	74.5

HORIZONTAL FORCE.												
												Change in the Magnetic moment of the Bar for 1° Fah. = .000234.
65.5	69.8	73.1	73.9	77.7	77.8	78.3	76.8	78.0	78.8	82.6	76.0	83.7
72.6	71.2	73.6	70.9	78.2	76.8	78.2	77.3	79.1	79.2	83.9	76.3	82.9
74.5	72.1	76.0	70.1	79.9	76.3	77.1	77.4	78.9	79.5	86.2	78.6	—
72.5	72.3	75.9	70.4	79.9	76.6	76.1	77.6	78.4	79.8	7.5	82.4	83.7
70.5	73.1	73.0	73.4	78.8	76.4	76.1	78.0	79.0	81.0	84.9	85.8	84.3
71.0	74.0	70.1	72.0	79.6	77.6	76.5	78.3	78.9	81.6	79.5	85.5	84.8
50.1	51.0	51.0	50.0	50.0	49.2	49.0	49.0	49.0	49.2	48.8	49.0	48.5

VERTICAL FORCE.												
												Change in the Magnetic moment of the Bar for 1° Fah. = .00021.
59.5	—	59.8	63.3	51.4	59.1	66.0	65.7	65.2	63.4	61.5	70.3	52.7
55.2	—	60.3	61.6	50.9	59.6	65.8	67.7	64.0	63.7	61.6	71.4	54.6
54.5	—	58.3	63.6	51.7	63.6	65.2	67.9	63.0	64.0	59.4	69.6	55.5
56.0	60.9	58.4	65.5	51.9	63.0	66.7	67.6	64.3	64.0	55.5	63.5	56.1
57.1	59.9	61.0	61.3	55.5	65.6	67.9	65.7	63.3	62.9	57.1	57.2	55.5
60.2	59.7	65.2	53.4	56.9	66.5	67.1	65.9	62.7	62.5	64.4	54.0	56.5
52.0	54.0	51.6	51.2	51.0	50.8	50.2	49.8	51.0	50.6	50.3	50.5	50.5

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.	°	°							
22	22	0	29.848	36.8	34.5	N. W.	Light.	0.13	Nearly clear.			
	23	0	29.832	36.5	34.5	N. N. W.	Light.	0.00	Clear.			
23	0	0	29.826	36.2	33.6	—	Calm.	0.00	Clear.			
	1	0	29.812	37.5	34.2	N. W.	Moderate.	0.00	Clear.			
	2	0	29.792	38.0	34.6	N. W.	Moderate.	0.00	Clear.			
	3	0	29.780	37.5	34.6	N. W.	Fresh.	0.00	Clear.			
	4	0	29.782	38.5	35.6	N. W. by N.	Light.	1.00	Overcast.			
	5	0	29.766	39.0	36.3	—	Calm.	0.38	Partially clear.			
	6	0	29.740	39.0	36.4	N. W. by N.	Moderate.	0.38				
	7	0	29.728	39.4	37.4	N. W. by N.	Light.	0.25				
	8	0	29.722	41.0	37.6	N. W. by N.	Moderate.	0.38				
	9	0	29.736	40.5	37.4	N. W. by N.	Light.	0.50				

July 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.
0	0		74.6	74.6	73.0	72.4	73.8	74.9	75.9	77.1	76.0	75.4
5	0		74.1	74.6	72.8	72.7	73.7	75.0	75.9	76.8	76.0	75.0
10	0		74.5	75.4	72.7	72.9	73.6	75.5	76.3	76.7	75.6	75.0
15	0		—	74.8	72.8	73.1	73.7	75.3	76.2	76.7	75.5	75.1
20	0		74.5	74.8	73.0	73.0	73.7	75.0	76.1	76.4	75.3	75.0
25	0		75.1	74.4	72.8	72.8	73.8	75.0	76.3	76.5	75.4	75.2
30	0		75.3	73.8	72.7	73.2	73.9	75.0	76.5	76.4	75.4	75.2
35	0		75.5	73.4	72.9	73.4	74.0	75.1	76.4	76.5	75.3	75.4
40	0		75.9	73.1	72.6	73.2	73.9	75.0	76.7	76.5	75.2	75.6
45	0		75.3	72.5	72.8	73.6	74.0	75.3	76.9	76.4	75.3	75.6
50	0		75.4	72.6	72.6	73.7	74.1	75.5	77.0	76.1	75.5	75.5
55	0		74.9	72.6	72.6	74.1	74.7	75.6	77.2	76.0	75.5	75.3
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.				
M.	S.											
2	30		70.4	72.9	69.8	66.0	63.0	59.1	59.3	59.0	60.5	60.4
12	30		70.5	73.7	70.0	65.4	62.2	58.6	60.0	59.0	60.0	61.3
22	30		70.1	74.1	69.3	65.0	61.5	58.5	59.9	60.0	60.5	62.3
32	30		70.5	73.1	68.4	64.7	60.9	59.3	59.0	60.5	61.6	62.9
42	30		70.4	71.0	68.3	64.3	60.3	59.7	60.2	60.6	61.5	62.4
52	30		70.7	70.3	67.0	63.6	59.9	59.6	60.2	60.5	61.1	62.2
Thermometer			55.0	55.5	57.0	57.0	58.0	58.5	59.5	60.5	60.5	61.0
			One Scale Division = 0.00038 parts of the V. F.					VERTICAL FORCE.				
M.	S.											
7	30		52.4	42.0	39.2	39.2	35.9	38.8	34.0	38.1	39.0	39.0
17	30		49.9	39.8	39.7	39.3	36.6	38.5	34.5	38.1	39.3	—
27	30		48.4	37.9	39.5	37.9	37.1	36.5	35.7	38.6	39.4	39.0
37	30		46.5	37.2	39.5	37.7	38.4	35.4	36.6	38.1	37.9	37.9
47	30		45.5	37.6	39.2	37.3	38.3	34.6	36.5	38.6	38.0	38.1
57	30		43.7	39.2	38.7	37.3	38.5	33.0	37.8	38.8	38.8	37.3
Thermometer			53.2	55.0	56.0	56.5	57.0	58.0	59.0	59.0	59.0	59.0
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	29.598	52.6	51.8	—	Calm.	1.00	Overcast; with appearance of rain.			
	11	0	29.596	52.5	52.0	E. N. E.	Light.	1.00	Overcast and gloomy.			
	12	0	29.603	53.2	52.4	—	Calm.	1.00	Overcast and gloomy.			
	13	0	29.599	53.6	52.0	—	Calm.	—	Clouds breaking.			
	14	0	29.588	56.6	55.0	S. E. by S.	Light.	0.38				
	15	0	29.580	58.6	56.6	S. E. by S.	Light.	0.25				
	16	0	29.556	59.8	56.6	S. E. by S.	Light.	0.75	Gloomy; appearance of rain.			
	17	0	29.532	59.0	56.1	—	Calm.	1.00	Overcast and gloomy.			
	18	0	29.528	58.0	53.6	—	Calm.	1.00	Overcast.			
	19	0	29.526	56.0	53.6	W.	Light.	1.00	Overcast.			
	20	0	29.525	55.0	53.4	—	Calm.	1.00	Overcast.			
	21	0	29.533	53.5	52.0	N. W.	Light.	1.00	Overcast.			

MAGNETICAL OBSERVATIONS.

July 20th and 21st.

DECLINATION.

Angular Value of one Scale Division = $0' \cdot 71$.

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.
74·1	73·8	73·4	73·1	73·2	70·0	74·4	74·2	74·9	74·9	75·1	75·3	74·3
74·2	73·9	73·2	73·1	73·2	70·7	75·1	74·2	74·9	74·9	75·1	75·2	74·2
74·0	73·7	73·3	73·3	73·0	71·6	75·3	74·2	74·8	75·0	75·0	75·4	74·2
74·0	73·7	73·1	73·2	70·9	71·9	75·4	74·4	74·6	75·0	74·7	75·0	74·2
74·1	73·5	73·1	73·2	70·4	71·6	75·1	74·3	74·5	75·2	74·6	74·8	74·4
74·1	73·4	73·1	73·5	70·5	71·4	74·9	74·1	74·6	74·8	74·8	74·7	74·3
74·1	73·2	73·3	72·6	70·2	71·4	74·9	74·1	75·0	74·6	74·6	74·5	74·2
74·1	73·3	73·0	72·6	70·5	72·2	74·5	74·4	75·0	74·5	74·5	74·4	74·3
74·1	73·1	73·2	73·0	70·6	73·2	74·1	74·3	74·9	74·9	74·8	74·5	74·3
74·0	73·2	73·3	73·2	70·3	73·2	74·2	74·6	74·8	75·1	75·0	74·5	74·1
73·8	73·3	73·3	73·1	70·1	73·2	74·1	74·9	75·0	75·6	75·1	74·3	74·1
73·8	73·2	73·3	73·2	70·0	72·4	74·2	75·1	74·8	75·7	75·2	74·4	74·3

HORIZONTAL FORCE.

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

63·0	63·4	62·8	62·4	60·7	60·7	60·3	63·1	62·9	63·7	65·1	66·6	68·1
63·0	63·3	63·1	62·5	61·1	60·0	60·6	63·1	63·2	63·9	65·1	66·7	68·4
63·5	63·3	63·1	61·8	60·7	59·9	61·6	63·2	63·5	63·8	65·9	67·3	68·6
63·2	63·1	63·2	61·7	62·0	61·5	62·1	62·9	63·7	64·3	65·9	67·5	68·8
63·2	63·2	62·8	61·6	61·7	61·7	62·6	62·7	63·4	65·0	66·5	68·0	68·9
63·3	62·7	63·0	61·3	61·0	60·8	62·7	63·4	63·6	65·3	66·8	68·3	69·7
61·0	61·0	60·0	60·0	60·0	59·5	59·0	59·0	59·4	59·0	58·5	58·0	57·2

VERTICAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah' = $\cdot 00021$.

35·5	36·9	36·7	39·2	41·4	42·3	47·2	41·5	42·3	43·1	44·2	45·4	43·9
35·2	36·7	36·7	39·6	39·5	44·8	47·1	41·4	42·3	43·1	44·2	45·2	44·2
35·6	37·0	37·0	39·6	38·5	45·2	45·3	41·1	42·3	44·9	44·2	44·9	44·6
36·3	36·5	37·5	39·8	39·0	45·4	42·9	41·0	43·1	44·5	44·6	44·3	44·6
36·7	36·2	38·5	41·0	39·9	45·3	41·8	41·7	42·7	44·7	45·3	43·9	45·0
36·7	36·7	38·6	41·2	40·5	46·4	41·4	41·8	43·1	45·3	45·3	43·9	45·0
59·0	59·0	59·0	59·5	59·0	59·0	58·5	58·5	58·4	58·0	57·5	57·0	56·4

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.	°	°				
20	22	0	29·549	52·5	51·0	—	Calm.	1·00	Overcast; rain.
	23	0	29·551	50·6	50·0	—	Calm.	1·00	Overcast; rain.
21	0	0	29·558	50·4	49·6	—	Calm.	1·00	Overcast and gloomy; rain.
	1	0	29·561	49·8	49·2	—	Calm.	1·00	Overcast; continued rain.
	2	0	29·553	49·4	48·6	—	Calm.	1·00	Overcast; rain ceased.
	3	0	29·531	48·6	47·6	—	Calm.	1·00	Overcast.
	4	0	29·513	47·8	46·4	—	—	—	—
	5	0	29·498	47·0	43·8	N. N. W.	Moderate.	0·25	—
	6	0	29·471	46·0	43·4	N. N. W.	Moderate.	0·13	—
	7	0	29·458	45·0	42·8	N. N. W.	Moderate.	0·00	Clear.
	8	0	29·460	44·8	42·8	N. N. W.	Moderate.	1·00	Overcast.
	9	0	29·456	44·8	43·0	N. N. W.	Moderate.	1·00	Overcast.

August 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.	Sc. Div.
0	0	75.1	73.1	71.9	71.3	70.6	72.2	74.4	77.0	77.1	75.9	75.2
5	0	—	73.9	72.1	70.7	70.8	71.8	75.1	77.0	77.1	75.6	75.2
10	0	75.1	74.0	71.6	70.9	71.3	71.3	75.2	77.2	77.0	74.8	75.1
15	0	74.5	73.9	71.9	70.6	71.0	72.0	75.2	76.8	77.0	74.6	75.3
20	0	73.8	73.7	72.2	69.5	70.6	72.4	75.5	77.0	76.8	74.1	75.3
25	0	74.6	73.4	72.0	70.5	71.0	72.9	75.8	77.1	76.7	74.1	75.1
30	0	75.1	73.7	72.1	70.7	72.1	73.0	76.0	77.0	76.4	74.5	75.3
35	0	74.2	73.1	72.1	70.0	71.6	73.4	75.9	77.0	76.1	74.9	75.2
40	0	73.9	73.1	72.0	69.8	72.1	73.6	76.1	77.0	76.3	75.5	75.0
45	0	73.7	72.8	71.2	70.5	71.1	73.6	76.2	77.0	76.0	75.5	75.0
50	0	74.2	72.5	71.7	70.3	71.8	74.1	76.7	77.1	75.9	75.5	75.2
55	0	74.0	72.1	71.5	70.1	71.4	74.7	76.5	77.0	76.0	75.4	75.4

M. S.		One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
		82.5	82.3	78.0	76.1	71.5	67.2	68.0	69.0	66.5	63.6	66.0
2	30	83.0	82.9	77.8	75.1	71.9	67.0	68.2	68.5	67.2	60.5	66.5
12	30	82.5	82.0	76.8	73.1	71.2	66.6	67.7	68.5	66.8	69.0	66.0
22	30	81.7	80.2	78.5	74.2	70.5	66.6	68.5	68.5	66.2	60.9	66.6
32	30	82.4	79.3	78.1	73.4	67.0	67.1	68.5	67.0	66.0	62.5	66.5
42	30	83.8	79.3	77.6	74.0	66.3	67.5	69.0	67.4	64.4	64.5	67.0

Thermometer		52.0	53.5	53.0	54.0	54.5	55.0	55.0	56.8	57.4	58.0	58.0
		°	°	°	°	°	°	°	°	°	°	°

M. S.		One Scale Division = .000038 parts of V. F.					VERTICAL FORCE.					
		38.6	31.9	32.2	33.0	33.5	33.3	31.9	30.4	32.3	33.0	28.6
7	30	36.4	32.0	33.8	31.8	32.2	33.9	31.4	31.3	32.2	34.7	28.4
17	30	36.2	32.8	33.6	33.3	33.4	34.2	31.4	30.2	32.5	35.2	26.8
27	30	34.9	32.5	32.8	32.9	29.9	34.0	30.5	30.5	32.7	34.5	26.9
37	30	33.9	33.3	31.9	32.1	30.7	34.1	30.1	31.5	32.6	33.0	26.5
47	30	32.4	32.2	31.5	33.8	29.8	33.3	29.2	31.5	32.9	30.7	25.5

Thermometer		52.0	53.0	53.5	54.0	54.5	55.0	55.0	55.6	56.4	56.4	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.	°	°				
26	10	0	29.589	43.8	43.6	N. W. by N.	Light.	—	Thick fog.
	11	0	29.594	45.2	45.2	—	—	—	Clear in zenith.
	12	0	29.598	47.5	47.5	N. by W.	Light.	0.62	
	13	0	29.584	50.2	49.2	—	—	—	
	14	0	29.575	52.2	51.4	N. by W.	Light.	0.50	
	15	0	29.540	54.0	51.2	—	—	—	
	16	0	29.532	55.4	52.2	N. W. by N.	Moderate.	0.50	
	17	0	29.523	57.0	52.1	—	—	—	
	18	0	29.523	57.2	51.7	N. W. by N.	Moderate.	1.00	Overcast.
	19	0	29.531	58.0	52.4	—	—	—	
	20	0	29.548	56.5	51.6	N. by W.	Light.	0.62	
	21	0	29.568	54.0	50.0	—	—	—	

MAGNETICAL OBSERVATIONS.												August 26th and 27th	
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.	
74.8	72.8	74.2	70.7	73.0	74.0	74.6	75.1	75.4	75.8	75.4	75.3	75.5	
74.7	72.1	73.5	70.2	73.1	74.2	74.6	75.2	75.3	76.0	75.5	75.4	75.6	
74.7	71.4	73.0	69.8	72.9	74.2	74.5	75.6	75.3	75.8	75.5	75.4	75.6	
75.0	72.0	72.3	69.8	72.8	74.6	74.2	75.7	75.3	75.6	75.4	75.3	75.3	
74.8	73.2	71.1	69.8	73.0	74.2	74.4	75.6	75.2	75.6	75.0	75.4	75.4	
74.8	73.3	69.9	70.0	73.0	74.9	74.4	75.8	75.4	75.5	75.3	75.9	75.1	
74.4	73.7	70.3	70.0	73.6	75.1	74.2	75.5	75.5	75.5	75.7	75.8	75.0	
74.3	73.7	70.5	70.2	73.6	75.2	73.9	75.5	75.5	75.3	75.6	75.8	75.0	
74.0	74.2	70.7	71.4	73.5	75.2	74.0	75.3	75.7	75.0	75.6	75.9	74.9	
74.3	74.3	70.9	72.2	73.6	74.9	74.2	75.5	75.6	75.6	75.4	75.8	74.8	
74.4	74.3	71.0	73.0	73.8	74.8	74.4	75.6	75.6	75.5	75.2	76.0	74.7	
73.9	74.2	70.9	73.0	74.0	74.2	75.0	75.6	75.8	75.6	75.2	75.5	74.6	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah. = .000234.	
66.5	69.1	67.9	67.7	67.4	70.2	70.1	69.9	71.0	72.9	4.	75.4	76.1	
67.4	71.8	67.2	66.8	68.8	70.6	69.4	70.5	71.2	72.9	75.0	75.3	75.5	
67.0	72.4	67.9	67.8	67.0	69.2	69.4	70.0	71.0	73.2	75.1	75.3	75.9	
67.0	71.3	68.3	66.9	67.2	70.5	68.9	70.5	71.5	74.0	75.4	75.4	76.3	
66.5	69.9	68.6	67.7	63.2	69.1	69.3	70.6	72.0	74.0	75.3	75.5	76.5	
66.8	68.7	67.6	67.8	69.3	70.3	69.1	70.9	72.1	75.1	75.4	75.9	77.4	

VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah. = .00021.	
25.0	18.1	20.1	17.3	24.7	22.1	22.5	24.1	27.1	29.8	23.8	21.9	23.4	
24.6	21.2	20.0	17.8	24.2	22.7	21.6	23.6	27.3	29.1	22.9	22.2	23.4	
23.8	22.1	18.3	19.6	23.2	23.4	23.2	23.7	29.1	27.3	23.8	22.8	23.7	
22.5	22.9	18.0	21.6	23.7	23.5	24.0	23.6	31.4	25.5	23.1	23.1	22.9	
22.5	19.3	16.7	23.9	22.1	23.7	24.0	23.9	31.7	25.5	22.0	23.4	22.0	
20.0	21.3	17.7	24.7	21.2	22.3	24.9	26.1	31.4	24.6	21.9	23.4	20.7	
57.4	58.0	59.0	59.5	59.5	59.5	59.0	59.0	59.0	57.5	57.8	58.0	57.3	

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	29.583	52.8	52.8	—	Calm.	0.50	
	23	0	29.599	51.2	48.6	—	—	—	
27	0	0	29.621	50.2	47.8	—	Calm.	0.50	
	1	0	29.631	49.8	47.6	—	—	—	
	2	0	29.633	49.6	47.4	N. W. by N.	Light.	0.25	
	3	0 ^a	—	—	—	—	—	—	
	4	0	—	—	—	—	—	—	
	5	0	—	—	—	—	—	—	
	6	0	—	—	—	—	—	—	
	7	0	—	—	—	—	—	—	
	8	0	—	—	—	—	—	—	
	9	0	—	—	—	—	—	—	

^a Midnight of Saturday at Hobarton; no meteorological record received from the Observatory.

September 21st and 22nd.			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		77.3	76.3	74.5	73.9	75.6	76.1	79.0	82.0	82.5	80.7	78.2
5	0		76.9	76.0	73.7	74.0	75.1	76.3	79.0	82.7	82.6	80.5	77.5
10	0		76.9	75.8	73.5	74.9	75.0	76.3	79.3	82.6	82.7	80.0	77.4
15	0		77.5	75.4	72.8	74.8	75.1	76.6	79.9	81.6	82.4	79.1	77.2
20	0		77.7	75.1	72.6	75.5	75.0	77.2	79.6	81.0	81.8	78.4	77.1
25	0		77.0	75.2	72.4	75.3	75.6	77.3	80.3	81.7	81.3	78.2	76.4
30	0		76.8	75.1	72.2	75.9	75.6	77.6	80.2	81.8	81.3	78.1	76.2
35	0		76.4	75.5	72.3	75.8	75.6	77.6	80.5	82.4	81.3	78.2	76.0
40	0		76.5	74.4	72.4	75.3	75.8	78.0	80.4	82.6	80.7	78.4	75.7
45	0		76.3	74.0	72.2	74.7	76.2	78.1	80.7	82.4	80.8	78.0	75.9
50	0		76.0	74.0	72.6	74.8	75.8	78.3	80.6	81.9	80.5	78.0	76.1
55	0		76.2	74.6	73.0	75.2	76.3	78.5	81.1	82.6	80.6	78.0	76.0
M. S.			One Scale Division = .000120 parts of the H. F.						HORIZONTAL FORCE.				
			76.2	69.8	71.4	61.9	58.8	62.6	64.1	66.3	61.4	65.1	63.6
2	30		76.0	70.5	69.9	56.3	60.5	63.7	64.7	66.0	63.6	62.5	63.0
22	30		74.7	70.2	69.6	51.4	61.6	64.2	63.7	64.4	63.3	62.2	61.0
32	30		72.7	71.7	68.5	48.9	61.0	63.7	63.7	62.9	64.7	64.8	59.2
42	30		70.2	71.5	68.3	49.2	63.0	64.1	64.0	61.2	65.1	65.0	58.4
52	30		70.2	72.4	65.4	54.5	62.9	64.1	63.6	60.6	65.0	63.9	57.5
Thermometer			56.0	56.0	56.5	56.7	57.2	57.8	58.8	60.4	61.8	62.4	60.2
M. S.			One Scale Division = .000038 parts of the V. F.						VERTICAL FORCE.				
			31.1	37.9	32.9	39.5	37.0	29.0	27.3	23.3	25.7	17.9	16.7
7	30		32.0	35.7	33.6	46.2	34.8	29.3	26.2	23.0	22.3	17.7	17.5
27	30		32.4	36.6	31.3	49.8	29.9	27.6	25.6	27.0	21.1	17.8	19.3
37	30		34.8	34.6	32.2	53.0	30.6	27.1	24.6	25.5	20.1	16.6	20.3
47	30		36.9	33.3	32.5	49.8	29.3	27.5	23.6	25.4	18.6	17.2	21.5
57	30		38.6	34.5	35.0	43.5	29.4	—	23.4	27.5	19.6	16.7	22.2
Thermometer			54.8	55.0	55.0	55.5	56.0	56.5	57.5	58.8	59.8	59.8	63.0
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.										
21	10	0	29.846	50.0	50.0	—	Calm.	1.00	Overcast and misty.				
	11	0	29.862	51.2	51.0	—	—	—	—				
	12	0	29.840	52.6	51.0	N.W. by W.	Light.	1.00	Overcast and gloomy.				
	13	0	29.820	54.2	52.0	—	—	—	—				
	14	0	29.769	57.4	53.8	N. by W.	Light.	1.00	Overcast.				
	15	0	29.720	60.5	55.8	—	—	—	—				
	16	0	29.678	62.0	55.8	N.W. by N.	Light.	0.75	—				
	17	0	29.655	63.4	57.0	—	—	—	—				
	18	0	29.633	62.8	57.6	S.E. by E.	Light.	1.00	Overcast.				
	19	0	29.607	60.0	55.5	—	—	—	—				
	20	0	29.598	58.0	54.6	S.E. by E.	Light.	1.00	Overcast and gloomy.				
	21	0	29.594	56.0	54.0	—	—	—	—				

MAGNETICAL OBSERVATIONS. September 21st and 22nd.

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.
75.8	72.1	70.3	72.0	71.5	74.7	74.5	74.6	75.8	76.9	82.6	78.5	77.0
76.3	73.7	71.4	71.9	72.2	74.6	74.1	74.5	76.1	77.2	82.9	78.7	77.1
75.9	71.9	73.0	71.6	72.2	74.1	74.1	74.0	76.2	76.1	82.3	79.7	77.0
77.2	69.6	73.7	71.0	72.0	73.8	73.6	74.1	76.3	75.0	82.4	80.8	76.8
76.2	67.6	73.5	—	71.5	73.6	73.3	74.0	76.5	74.5	81.6	80.6	76.9
75.7	68.4	74.2	71.0	71.4	73.6	73.4	73.5	77.1	75.6	81.2	79.6	77.2
75.4	70.6	73.6	71.2	71.6	74.1	74.0	74.0	77.4	76.5	80.0	79.5	77.3
75.2	70.3	72.7	72.0	72.2	74.2	74.0	74.0	77.8	76.8	78.7	78.6	76.9
74.7	69.1	72.0	72.5	73.2	73.2	75.3	74.3	78.1	78.0	77.6	77.8	76.5
75.2	70.0	71.1	73.0	74.9	74.0	75.3	74.2	78.2	79.4	77.3	78.0	76.5
74.9	71.1	71.0	72.1	74.9	74.7	76.0	74.4	78.1	80.7	77.4	77.6	76.3
74.4	70.7	71.6	71.2	75.2	74.5	75.6	75.0	77.4	81.7	77.7	77.1	76.5

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

56.5	62.5	60.9	59.6	61.6	63.7	65.2	64.7	62.9	67.7	77.0	69.5	67.2
56.5	67.6	61.5	59.6	62.4	67.5	65.0	65.8	63.2	68.1	81.0	69.7	67.1
56.7	71.4	61.5	60.7	62.0	65.7	63.5	64.8	63.7	67.2	81.4	67.5	68.0
59.2	69.0	60.6	61.9	64.7	66.4	62.6	63.6	63.9	67.8	77.4	67.6	68.2
56.7	66.5	58.8	62.3	69.0	65.8	64.2	63.2	65.7	68.8	75.4	67.7	67.5
56.5	61.7	59.3	61.9	70.5	66.2	64.7	62.9	67.3	72.4	72.7	67.0	67.4
63.0	63.5	63.0	62.8	63.0	63.0	63.0	63.0	62.6	62.4	62.2	62.2	63.0

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

23.2	14.3	16.2	20.0	17.4	6.0	4.2	14.7	20.6	15.2	11.9	11.4	13.5
23.6	—	17.9	18.8	16.9	7.3	13.2	13.3	19.5	11.7	5.5	15.3	13.0
21.2	2.8	19.5	18.2	17.0	5.6	9.1	15.3	20.6	14.8	1.6	14.8	12.0
18.2	1.3	18.2	19.1	16.1	5.3	15.5	17.2	20.5	15.7	2.3	14.4	11.4
19.8	3.7	19.7	17.7	12.2	6.8	17.9	18.0	18.9	18.6	3.8	13.5	11.0
21.6	10.9	20.6	16.9	13.1	6.5	12.7	20.1	16.4	16.1	8.0	13.1	12.1
60.0	60.8	62.0	62.0	62.5	63.5	64.0	64.5	63.2	63.6	63.5	63.0	63.0

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.						
21	22	0	29.606	55.5	54.0	S.E. by E.	Light.	1.00	Overcast and gloomy.
	23	0	29.605	54.8	53.8	—	—	—	—
22	0	0	29.617	55.6	52.4	N.W. by N.	Light.	1.00	Slight rain; overcast.
	1	0	29.589	57.4	52.6	—	—	—	—
	2	0	29.579	58.0	53.2	—	Calm.	1.00	Overcast.
	3	0	29.547	57.6	52.8	—	—	—	—
	4	0	29.529	58.8	53.4	N.W. by N.	Light.	1.00	Overcast; gloomy.
	5	0	29.484	59.0	52.7	—	—	—	—
	6	0	29.450	58.0	52.8	N.W. by N.	Light.	1.00	Overcast, with rain.
	7	0	29.436	58.2	53.4	—	—	—	—
	8	0	29.420	59.8	53.8	N.W. by N.	Strong.	0.50	Partially overcast; squally breeze.
	9	0	29.406	59.0	53.2	—	—	—	—

October 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		72.1	67.8	67.7	71.6	74.9	78.3	81.2	83.6	82.8	79.9	77.6
5	0		72.1	68.3	67.6	71.8	75.1	78.2	81.4	83.5	82.4	79.6	77.6
10	0		71.6	68.5	67.6	71.6	75.2	78.7	81.5	83.6	82.1	79.5	77.3
15	0		71.3	68.4	67.8	72.4	75.8	79.0	81.8	83.7	81.9	79.1	76.9
20	0		71.0	68.3	68.5	71.9	75.8	79.5	82.3	83.5	81.9	79.0	76.7
25	0		70.2	68.3	68.0	72.8	76.9	79.8	82.4	83.5	81.5	78.9	76.7
30	0		70.2	68.3	68.8	73.2	76.4	80.1	82.6	83.3	81.1	78.6	76.8
35	0		69.9	67.6	69.2	73.6	76.7	80.4	82.6	83.3	81.2	78.2	76.8
40	0		69.6	67.5	70.3	74.3	77.0	80.6	83.0	83.1	80.8	78.2	76.7
45	0		69.0	67.7	70.5	74.4	77.5	80.9	83.2	83.2	80.8	78.0	76.7
50	0		69.0	67.5	70.9	74.3	77.7	81.3	83.2	83.0	80.4	78.0	76.6
55	0		68.2	67.0	71.3	74.3	78.1	81.2	83.3	82.8	80.2	77.8	76.4
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		84.8	82.0	79.3	73.6	73.1	70.5	72.0	71.2	76.0	74.5	75.5
12	30		85.7	81.3	77.8	73.5	72.9	71.6	72.5	72.5	74.5	74.0	76.3
22	30		84.8	81.8	76.4	71.6	72.3	71.4	74.0	72.5	75.5	74.0	77.5
32	30		83.3	80.0	75.7	72.1	72.0	71.3	70.0	73.0	75.0	75.0	78.4
42	30		82.0	80.3	74.2	72.8	72.0	72.0	70.0	75.0	74.0	75.5	78.5
52	30		81.9	79.4	74.2	71.7	72.1	71.8	71.0	75.0	74.0	76.6	79.5
Thermometer			48.5	49.8	51.0	52.2	53.0	54.0	54.8	55.4	55.6	55.8	55.2
			One Scale Division = .000038 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
7	30		56.6	50.7	45.8	52.1	49.9	48.1	48.2	47.2	43.4	41.4	40.3
17	30		55.7	49.5	46.7	54.0	49.1	47.5	47.6	45.8	44.5	41.4	40.2
27	30		54.2	47.4	48.0	53.4	49.2	47.9	48.0	45.2	43.1	41.6	40.2
37	30		53.6	48.8	49.4	52.8	48.7	47.5	48.7	44.9	43.5	41.4	40.2
47	30		53.4	47.4	51.9	53.0	48.5	46.5	48.8	43.8	42.9	41.1	40.5
57	30		50.0	46.4	51.8	51.4	47.6	45.6	48.3	43.8	42.0	40.6	39.5
Thermometer			49.0	50.0	51.0	51.0	52.0	52.5	53.0	53.4	53.6	54.0	54.0
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.	°	°								
19	10	0	29.197	45.6	42.2	N. W. by N.	Squally.	0.25	Rain.				
	11	0	29.188	49.0	44.6	—	—	—	—				
	12	0	29.206	51.6	45.9	N. W. by N.	Fresh gale.	0.50	—				
	13	0	29.169	54.5	47.2	—	—	—	—				
	14	0	29.161	56.0	48.2	N. W. by N.	Light.	0.75	Rainy.				
	15	0	29.154	55.2	45.3	—	—	—	—				
	16	0	29.172	51.0	45.6	S. by W.	Fresh.	0.62	Rain.				
	17	0	29.173	50.8	44.6	—	—	—	—				
	18	0	29.190	50.2	44.0	S.	Strong.	0.50	—				
	19	0	29.213	46.8	43.8	—	—	—	—				
	20	0	29.227	45.0	42.6	S. E. by S.	Moderate.	1.00	Overcast.				
	21	0	29.272	43.0	41.0	—	—	—	—				

MAGNETICAL OBSERVATIONS.

October 19th and 20th.

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.
76.4	76.0	70.3	72.0	67.6	73.0	75.3	76.0	76.8	77.0	76.0	74.7	73.9
76.4	76.0	71.8	71.0	68.4	73.4	75.5	76.6	77.2	76.8	75.6	74.3	73.6
76.3	76.3	72.2	70.5	70.1	72.8	76.1	76.8	77.0	76.9	75.5	74.1	73.3
75.8	75.4	72.6	70.4	71.3	72.6	76.1	76.5	77.0	77.1	75.3	74.1	73.0
75.8	74.8	73.6	70.4	72.0	72.8	76.2	76.6	76.9	77.2	75.1	74.2	72.5
75.9	74.5	73.4	70.0	72.5	72.8	76.2	76.3	76.9	77.0	75.2	74.2	72.3
76.2	74.8	73.2	69.2	73.0	73.3	76.2	76.2	77.0	76.9	75.2	74.1	72.5
76.2	74.1	72.8	70.6	73.1	73.6	76.2	76.2	76.8	76.8	75.0	74.3	72.1
76.3	71.8	72.9	69.9	72.6	73.9	76.5	76.6	76.8	76.3	74.7	74.9	71.8
76.0	69.9	73.3	69.6	72.6	74.1	76.2	76.6	76.6	76.1	74.7	74.8	72.7
76.0	69.5	73.1	68.9	72.6	74.5	76.0	76.8	76.5	76.1	74.8	75.0	71.0
76.2	70.6	73.0	68.4	72.8	74.8	76.0	76.6	76.6	76.4	74.8	73.9	70.3

HORIZONTAL FORCE.

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

79.0	79.4	80.1	78.4	88.4	83.2	81.7	83.9	85.9	85.0	87.3	87.0	88.0
80.0	81.7	79.3	79.4	87.8	82.4	83.1	84.5	85.7	85.4	86.0	87.5	88.2
79.0	80.5	80.1	81.1	87.0	81.3	83.1	83.9	86.3	87.3	86.1	87.3	87.7
80.6	80.9	79.7	89.3	85.6	80.0	83.1	84.4	87.0	88.6	86.3	87.8	88.3
80.3	79.5	81.2	91.1	83.6	80.4	83.8	84.8	86.6	87.5	87.0	88.5	88.6
80.2	80.9	79.0	89.9	83.3	81.0	83.2	84.9	84.8	87.5	87.5	88.2	87.3
55.0	54.8	54.0	53.5	53.0	52.5	52.0	52.0	51.2	50.4	50.8	50.8	50.4

VERTICAL FORCE.

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

39.5	39.1	38.9	42.7	32.0	45.6	48.1	44.4	45.6	49.3	48.7	48.6	50.7
39.0	37.5	40.4	42.7	35.3	47.1	46.1	41.5	46.0	49.8	50.1	48.4	50.8
39.3	37.8	42.3	38.7	37.3	47.3	45.8	43.4	46.1	49.2	50.7	48.3	51.0
37.6	36.7	42.7	33.9	40.4	48.4	46.4	43.3	46.4	48.5	50.7	50.3	49.5
37.9	33.6	41.9	29.6	41.9	48.8	43.0	44.8	46.8	48.3	50.8	49.6	49.7
37.3	36.5	43.8	28.0	44.4	47.5	44.2	46.2	49.4	49.8	49.8	49.2	50.7
50.5	53.8	53.5	53.0	53.0	53.0	53.0	53.5	52.2	51.4	50.2	50.8	50.2

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.		
19	22	0	29.305	41.0	40.4	—	Calm.	1.00	Heavy rain.
	23	0	29.354	41.0	39.6	—	—	—	—
20	0	0	29.364	39.6	38.4	S. by W.	Light.	1.00	Overcast; heavy rain.
	1	0	29.411	39.5	39.3	—	—	—	—
	2	0	29.414	40.4	38.5	S. by W.	Fresh.	1.00	Squally; overcast.
	3	0	29.464	41.0	38.4	—	—	—	—
	4	0	29.452	41.6	38.0	S. W.	Fresh.	1.00	Overcast.
	5	0	29.496	39.8	36.6	—	—	—	—
	6	0	29.524	39.8	37.4	S. by W.	Moderate.	0.50	—
	7	0	29.537	39.0	37.2	—	—	—	—
	8	0	29.574	38.5	36.0	S. E. by S.	Light.	0.50	Cloudy.
	9	0	29.596	38.8	35.0	—	—	—	—

November 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.	
0	0		75.5	74.8	76.1	79.6	84.6	88.7	89.9	88.6	86.6	85.9	84.6
6	0		75.4	74.5	76.4	79.9	85.0	88.9	89.9	88.6	86.7	85.9	84.5
12	0		75.2	74.6	76.7	80.5	84.1	89.2	89.8	88.4	86.3	85.8	84.5
18	0		75.0	74.6	76.9	80.9	86.0	89.3	89.7	88.4	86.1	85.7	84.6
24	0		75.2	74.7	77.2	81.3	86.3	89.5	89.7	88.2	86.2	85.6	84.3
30	0		75.2	74.6	77.5	81.9	86.7	89.7	89.5	87.9	86.1	85.5	84.3
36	0		75.4	74.7	78.0	82.7	87.1	89.9	89.4	87.5	85.5	85.5	84.2
42	0		75.2	75.0	78.2	83.0	87.5	89.8	89.2	87.5	85.9	85.3	83.8
48	0		75.2	75.3	78.7	83.5	87.8	90.0	88.9	87.2	86.0	85.5	83.6
54	0		75.1	75.7	79.0	84.1	88.3	90.0	88.8	87.0	85.9	85.1	83.4

M. S.		One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
0	0	78.4	75.2	70.7	67.6	70.4	74.4	79.0	82.3	80.9	79.6	79.1
6	0	78.0	75.0	70.4	67.8	70.8	74.7	79.8	82.2	80.8	79.1	78.9
12	0	77.6	74.6	70.0	68.0	71.0	74.9	80.0	82.3	80.8	79.4	79.2
18	0	77.4	74.4	69.5	68.4	71.6	75.9	80.1	82.1	80.8	78.8	79.7
24	0	77.2	73.6	69.1	68.3	72.3	76.6	81.2	82.2	81.0	78.9	79.3
30	0	76.8	73.1	68.6	68.7	72.4	77.2	81.8	81.8	80.5	79.0	79.4
36	0	76.5	72.7	68.3	69.2	72.8	77.8	81.9	81.6	79.7	78.5	79.7
42	0	76.1	72.1	68.2	69.8	73.3	78.0	82.5	81.6	79.8	79.1	80.1
48	0	76.0	71.7	67.9	70.0	73.6	78.3	82.5	81.6	79.5	79.6	79.8
54	0	75.7	71.3	67.9	70.3	74.1	78.4	82.4	81.2	79.4	79.7	79.6

Thermometer		51.2	52.3	52.5	53.0	53.0	53.0	—	54.4	55.0	55.7	56.2
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M. S.		One Scale Division = .000038 parts of the V. F.					VERTICAL FORCE.					
0	0	63.0	63.0	65.2	63.2	61.6	56.5	53.3	50.1	49.1	49.5	47.7
6	0	63.2	63.9	65.2	63.2	61.1	56.0	52.9	50.1	49.1	49.5	48.1
12	0	63.2	63.9	64.9	62.8	61.0	55.8	52.8	50.1	49.1	48.8	48.1
18	0	63.6	63.9	64.2	62.8	60.3	55.0	52.7	50.0	48.5	48.8	47.8
24	0	63.6	64.2	62.7	62.5	59.7	54.6	52.4	49.8	48.5	48.8	47.8
30	0	63.6	64.2	62.7	62.5	59.2	54.0	51.9	49.8	48.4	48.8	47.8
36	0	63.1	64.7	62.7	62.4	58.3	53.6	51.2	49.7	49.0	48.8	47.4
42	0	63.1	65.0	62.7	62.2	58.0	53.3	50.5	49.4	49.0	48.8	47.0
48	0	63.1	65.0	62.7	62.1	57.6	53.4	50.4	49.2	49.5	47.8	47.0
54	0	63.1	65.4	63.3	62.1	57.0	53.0	50.1	49.1	49.5	47.8	47.0

Thermometer		49.8	50.0	50.5	50.8	51.0	51.5	51.8	52.2	52.8	53.5	54.0
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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	29.547	47.0	46.1	S. by E.	Gale.	1.00	Overcast, with rain,
	11	0	29.568	50.0	46.6	S. by E.	Squally gale.	1.00	Overcast and gloomy.
	12	0	29.595	51.3	47.5	S. by E.	Squally gale.	1.00	Overcast and gloomy.
	13	0	29.610	51.8	46.8	S. by E.	Strong squall.	1.00	Overcast and gloomy.
	14	0	29.637	51.6	47.0	S. by E.	Strong squall.	1.00	Overcast and misty.
	15	0	29.661	54.0	48.3	S. S. W.	Moderate and squally.	0.38	
	16	0	29.682	55.2	49.0	S. E. veer ^s . S. S. W.	Strong squall.	0.25	
	17	0	29.673	56.8	49.4	S. E. by E.	Fresh gale & squally.	0.75	
	18	0	29.686	57.2	50.0	S. E.	Strong.	0.50	
	19	0	29.700	58.2	50.2	S.	Fresh.	0.25	Wind more moderate.
	20	0	29.721	56.8	49.0	S. by E.	Fresh.	0.38	
	21	0	29.742	53.8	47.6	S. by E.	Strong.	0.38	

MAGNETICAL OBSERVATIONS.

November 25th and 26th.

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.
83.2	78.9	79.5	81.0	81.0	80.3	79.7	80.0	81.7	80.6	79.4	77.2	75.5
83.1	78.8	80.0	81.1	81.2	80.2	80.0	79.5	82.9	80.4	79.3	77.1	75.1
82.6	78.4	80.1	80.8	81.1	79.4	79.8	79.6	83.1	80.3	79.3	76.8	74.1
82.1	78.5	80.1	81.4	81.0	79.1	80.0	80.1	83.9	80.2	78.8	76.9	74.2
81.7	78.7	80.2	81.4	80.8	78.8	80.3	80.3	84.1	80.0	78.9	76.5	73.9
81.1	78.8	80.4	81.3	80.6	78.5	80.3	80.5	83.5	79.8	78.4	76.4	73.7
80.4	78.8	80.3	81.3	80.8	78.5	80.4	80.6	83.1	79.9	78.2	76.2	73.8
80.1	78.7	80.6	81.2	80.5	79.0	80.5	80.5	82.4	79.9	77.9	76.2	73.7
79.7	79.0	80.8	81.1	80.2	79.9	80.5	80.8	81.7	79.9	77.5	75.8	73.8
79.7	79.1	80.9	81.0	79.9	79.8	80.5	80.5	81.2	80.0	77.2	75.8	73.6

HORIZONTAL FORCE.

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

80.0	82.8	81.2	82.2	81.7	82.2	82.2	80.8	81.4	83.0	82.1	82.5	82.7
79.2	82.1	80.7	82.4	82.4	82.0	82.0	81.0	81.5	82.4	82.8	82.3	82.6
78.8	82.0	80.6	82.3	82.6	82.7	82.0	81.0	81.8	82.2	82.3	82.1	82.9
78.7	81.3	80.2	81.8	82.5	83.0	81.7	80.7	82.5	82.1	82.9	82.7	83.3
79.3	81.1	80.4	81.5	82.1	82.7	81.5	80.7	82.8	81.9	82.9	82.6	83.2
79.7	81.6	80.7	81.5	81.8	82.1	81.0	80.6	83.5	81.2	82.7	82.6	82.7
80.3	81.3	80.9	82.1	82.5	81.7	81.5	81.0	83.9	81.1	82.8	82.5	82.5
81.0	80.7	81.1	82.0	82.1	82.2	82.4	80.8	83.6	81.7	82.6	82.4	82.4
82.0	81.1	81.4	81.8	80.6	82.5	82.2	81.1	83.7	82.0	82.4	82.5	82.2
81.7	81.1	81.4	81.8	82.5	82.3	81.0	81.5	83.4	81.7	82.5	82.6	82.1
57.0	57.0	56.4	55.6	55.2	54.8	54.4	54.2	53.8	53.5	53.0	53.0	52.6

VERTICAL FORCE.

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

47.0	38.0	39.0	46.5	49.5	51.0	52.3	54.3	55.3	50.8	55.1	54.7	53.4
47.0	36.6	39.7	46.7	49.5	50.5	52.3	54.0	55.6	51.5	55.3	54.6	52.8
47.2	37.2	40.7	46.9	49.4	50.1	52.8	54.0	56.0	52.0	54.7	54.7	52.6
47.5	37.7	41.8	47.1	49.3	49.4	53.4	54.3	56.0	52.7	54.6	53.4	52.6
46.5	38.3	42.3	47.9	49.7	49.4	53.4	54.3	55.1	53.4	54.2	53.0	53.2
45.9	36.5	43.0	48.3	50.2	49.4	54.3	54.3	54.2	54.4	54.3	53.3	53.4
45.0	36.3	43.9	48.6	50.2	51.1	54.3	54.5	53.2	54.8	54.4	53.5	53.4
43.8	37.5	44.6	48.8	49.9	51.7	54.3	54.4	52.2	55.5	54.3	53.2	53.7
41.7	37.4	45.0	48.8	50.6	51.2	54.0	53.9	51.8	55.1	54.5	53.1	53.7
40.5	38.2	45.9	48.9	51.1	51.2	54.0	54.4	51.0	55.4	54.8	53.4	53.9
54.2	55.0	56.0	54.8	54.4	54.0	53.7	53.3	53.2	53.2	52.5	52.4	52.0

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.	°	°				
25	22	0	29.756	50.2	45.6	S. by E.	Strong.	0.38	
	23	0	29.787	48.2	44.9	S. E.	Fresh.	0.13	Fair.
26	0	0	29.806	47.6	43.0	S. E. by S.	Fresh.	0.25	Occasional squalls.
	1	0	29.819	46.8	42.6	S. by E.	Moderate.	0.00	Fair.
	2	0	29.818	45.8	42.0	S. by E.	Light.	0.00	Fair.
	3	0	29.919	44.0	41.9	S.	Light.	0.00	Fair.
	4	0	29.922	43.2	41.4	N.W. by W.	Light.	0.00	Fair.
	5	0	29.924	43.0	41.4	W. by S.	Light.	0.25	Fair.
	6	0	29.941	42.8	41.0	W.	Light.	0.25	Fair.
	7	0	29.950	43.8	42.3	N.W. by W.	Moderate.	0.50	Partially clear.
	8	0	29.972	44.8	43.2	N.W. by W.	Light.	0.25	Fair.
	9	0	29.985	47.4	45.0	N.W. by W.	Moderate.	0.75	

December 21st and 22nd.			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		74.8	73.1	73.0	75.3	77.4	82.7	86.8	88.3	87.5	87.5	
6	0		74.8	72.9	73.1	75.3	77.8	83.2	87.0	88.0	87.8	87.3	
12	0		74.8	72.9	73.3	75.6	78.2	83.7	87.4	88.0	87.9	87.6	
18	0		74.7	73.2	73.3	75.8	79.1	84.1	87.5	87.9	87.8	87.4	
24	0		74.7	73.5	73.6	75.9	79.7	84.6	87.8	88.0	87.6	87.1	
30	0		74.3	73.3	73.8	76.0	80.2	85.1	87.9	87.9	87.6	87.2	
36	0		74.1	73.4	74.1	76.4	80.9	85.6	88.1	87.7	87.6	87.3	
42	0		73.6	73.1	74.4	76.6	81.1	85.9	88.2	87.9	87.8	87.1	
48	0		73.6	72.8	74.6	76.8	81.8	86.3	88.4	87.9	87.8	87.4	
54	0		73.1	73.0	74.8	77.6	82.3	86.5	88.3	87.8	87.6	87.3	
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		82.6	83.8	84.4	81.5	78.3	75.7	74.9	75.7	77.9	82.3	
8	0		83.3	84.0	84.3	81.2	78.2	75.7	75.9	75.7	78.8	80.8	
14	0		83.7	84.1	83.7	80.9	78.2	75.4	76.0	76.1	78.4	81.2	
20	0		83.7	84.6	83.5	80.5	77.9	75.1	74.6	76.3	78.9	80.7	
26	0		83.7	84.9	83.3	80.0	77.6	74.6	73.3	77.5	77.7	80.7	
32	0		83.7	84.9	83.0	79.5	77.1	74.9	73.2	77.6	77.1	81.5	
38	0		83.6	84.7	82.8	78.7	76.3	75.1	73.2	78.2	79.4	81.8	
44	0		83.4	84.6	82.1	78.7	76.2	75.1	73.5	76.7	81.1	80.9	
50	0		83.7	84.5	82.1	78.9	76.0	74.5	74.3	76.3	81.5	81.5	
56	0		83.5	84.6	81.7	78.6	75.9	74.9	75.3	77.0	81.3	80.8	
Thermometer			56.5	56.5	56.6	57.0	57.2	57.6	58.2	58.8	59.6	59.5	60.0
			One Scale Division = .000038 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
4	0		43.6	41.1	43.3	43.9	46.3	49.5	51.1	47.4	42.7	38.9	
10	0		43.0	41.1	43.3	44.3	46.6	50.0	51.0	46.7	41.6	40.1	
16	0		42.6	41.5	43.3	44.3	46.8	50.2	50.5	46.0	41.0	40.1	
22	0		42.4	42.0	43.8	44.6	47.1	51.2	50.5	45.5	40.2	40.4	
28	0		42.2	42.1	43.8	44.6	47.5	51.2	51.1	44.8	40.5	41.2	
34	0		42.0	42.7	43.6	45.4	47.8	51.2	51.2	44.0	40.5	40.8	
40	0		41.8	42.9	43.5	45.7	48.2	51.1	51.0	43.9	40.3	40.3	
46	0		41.8	42.7	43.5	46.1	49.0	51.1	50.5	43.6	39.6	40.9	
52	0		41.6	43.5	43.8	46.2	49.5	51.1	49.7	43.9	38.6	41.3	
58	0		41.3	43.4	43.8	46.3	49.5	51.5	48.7	43.6	39.4	41.1	
Thermometer			55.5	55.5	55.5	55.5	55.8	56.0	56.4	56.8	57.2	57.5	57.8
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.	°	°								
21	10	0	29.648	52.2	47.0	N. W. by N.	Fresh; squally.	1.00	Overcast and gloomy.				
	11	0	29.625	52.8	47.7	N. W. by N.	Strong gale.	1.00	Overcast, very gloomy, and threatening.				
	12	0	29.610	53.8	48.7	N. W. by N.	Increasing squalls.	1.00	Gloomy; threatening.				
	13	0	29.596	55.0	49.6	N. W. by N.	Moderate.	0.75	Inclined to rain.				
	14	0	29.583	58.2	51.4	N. W. by N.	Fresh.	0.62					
	15	0	29.572	60.0	52.4	N. W. by N.	Fresh.	1.00	Overcast; inclined to rain.				
	16	0	29.574	60.2	54.4	N. N. W.	Fresh.	1.00	Overcast; inclined to rain.				
	17	0	29.572	61.2	56.0	N. N. W.	Moderate.	1.00	Thick mist.				
	18	0	29.572	56.0	53.1	N. N. W.	Moderate.	1.00	Heavy rain and thick weather.				
	19	0	29.571	56.2	53.6	S. E. by S.	Fresh.	1.00	Gloomy, with rain.				
	20	0	29.591	54.8	52.2	S. E. by S.	Fresh.	1.00	Gloomy, with rain; unsettled weather.				
	21	0	29.611	56.0	53.6	W. S. W.	Light.	1.00	Overcast; rain ceased.				

MAGNETICAL OBSERVATIONS.												December 21st and 22nd.	
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.	
84·1	83·2	82·0	80·9	80·1	79·2	79·0	78·7	78·3	78·1	77·7	77·3	76·1	
84·0	83·1	82·0	80·9	80·0	79·2	79·5	78·7	78·2	78·0	77·9	77·1	76·0	
84·7	83·1	81·9	80·8	80·1	79·2	79·1	78·7	78·4	78·0	77·5	77·5	75·2	
84·5	83·1	81·9	80·9	79·8	79·2	78·7	78·6	78·1	78·0	77·1	77·1	74·8	
84·3	82·8	81·9	80·8	79·7	79·2	78·7	78·7	78·2	78·3	77·0	76·8	75·0	
83·8	82·4	81·7	80·4	79·5	79·3	78·7	78·6	78·2	77·9	76·8	76·3	75·2	
83·5	82·4	82·0	80·2	79·4	79·3	79·0	78·7	78·6	77·7	77·0	76·3	75·2	
83·5	82·4	81·7	80·0	79·3	79·2	78·9	78·6	78·8	77·8	76·9	76·3	75·3	
83·3	82·3	81·3	80·0	79·1	79·2	78·8	78·7	78·8	77·6	77·0	76·3	75·2	
83·0	82·1	81·1	80·0	79·2	79·1	78·7	78·5	78·2	77·8	77·3	76·3	74·7	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = ·000234.	
73·9	74·8	77·3	78·0	78·6	78·0	79·7	80·7	81·6	82·3	82·5	84·6	87·3	
75·2	75·2	77·2	77·8	78·4	78·2	79·8	80·7	80·8	83·0	82·1	84·9	87·9	
75·1	75·8	76·9	78·5	78·3	78·2	80·2	80·5	81·1	82·7	81·4	84·7	88·3	
74·6	76·2	77·3	78·5	78·2	78·0	80·1	80·7	81·7	82·8	81·5	85·2	88·6	
74·1	76·4	77·8	78·5	78·1	78·3	80·4	81·3	81·3	82·5	82·0	85·4	89·1	
74·0	76·7	77·0	78·9	77·7	78·3	80·2	81·7	82·1	82·6	82·1	86·0	89·4	
74·5	76·8	76·8	78·6	78·3	78·4	80·6	81·3	82·9	81·8	82·4	86·1	89·6	
74·7	77·3	76·1	78·0	77·4	78·6	80·5	82·3	83·0	81·6	82·9	86·3	89·6	
74·3	77·2	77·1	78·4	77·8	78·7	80·8	81·7	82·5	81·3	83·3	86·7	89·8	
74·2	77·5	77·4	78·6	78·0	79·0	80·5	81·2	82·6	81·5	83·7	86·9	90·0	
60·2	60·0	60·0	60·0	59·4	59·0	58·2	57·8	57·0	56·6	56·5	56·4	56·1	

VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = ·00021.	
44·1	39·6	34·7	36·5	37·1	39·0	39·8	40·0	40·9	41·9	43·7	43·0	40·7	
43·8	39·3	35·0	36·2	37·5	38·8	39·8	40·3	40·9	42·2	43·3	42·7	40·5	
43·1	38·7	35·4	35·4	38·0	39·2	39·3	40·4	41·3	42·0	43·3	42·4	40·0	
42·7	36·9	35·3	35·1	38·2	39·6	39·3	40·7	41·3	42·5	43·5	42·1	39·4	
42·1	36·3	35·1	35·1	38·1	39·8	39·5	39·8	41·7	42·1	43·6	41·5	39·6	
41·6	35·9	35·5	35·0	38·5	39·8	40·0	40·2	42·0	42·2	43·8	41·1	39·6	
41·0	35·8	36·2	35·2	37·8	40·1	39·9	40·0	42·0	42·5	43·8	41·0	39·4	
40·4	35·4	37·1	35·7	37·9	40·0	40·1	40·4	41·3	42·8	43·8	40·8	38·9	
40·0	35·0	37·1	36·6	38·5	39·8	40·0	40·3	41·3	43·3	43·5	40·7	38·3	
40·0	34·7	37·0	36·9	39·7	39·8	40·3	40·7	41·7	43·7	43·2	40·7	37·2	
58·5	58·6	58·6	58·4	58·2	58·0	57·8	57·5	56·5	56·0	56·0	55·6	55·1	

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.	°	°						
21	22	0	29·617	55·5	52·8	—	Calm.	1·00	Overcast.		
	23	0	29·660	53·2	47·6	—	Calm.	1·00	Overcast.		
22	0	0	29·685	51·4	46·2	S. W.	Light.	1·00	Overcast.		
	1	0	29·675	50·6	46·0	W. N. W.	Fresh.	1·00	Overcast; thick and gloomy.		
	2	0	29·678	50·2	45·4	—	Calm.	0·38			
	3	0	29·673	49·4	45·0	N. by W.	Moderate.	0·38			
	4	0	29·673	48·8	44·9	N. by W.	Moderate.	0·38			
	5	0	29·663	48·0	44·0	N. W. by N.	Moderate.	0·25			
	6	0	29·669	47·6	44·4	N. W. by N.	Moderate.	0·38			
	7	0	29·682	48·0	45·0	N. W. by N.	Moderate.	1·00	Overcast, with broken clouds.		
	8	0	29·674	48·6	45·6	N. W. by N.	Moderate.	0·75			
	9	0	29·694	50·0	47·6	N. W. by N.	Moderate.	0·50			



VAN DIEMEN ISLAND, 1842.

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	1.717	1.705	1.704	—	—	—	—	—	—	—	—	
	2	—	—	—	1.617	1.609	1.597	1.586	1.576	1.551	—	1.511	1.501
	3	1.245	1.222	1.207	1.173	1.183	1.190	1.197	1.204	1.226	1.210	1.220	1.204
	4	1.078	—	1.054	1.048	1.040	1.036	1.041	1.059	1.105	1.149	1.174	1.193
	5	1.550	1.565	1.585	1.598	1.603	1.619	1.634	1.638	1.690	1.728	1.761	1.806
	6	—	2.003	2.022	2.029	2.054	2.046	2.061	2.067	2.101	2.114	2.129	2.135
	7	2.162	2.153	2.150	2.132	2.094	2.076	2.062	2.073	2.079	2.087	2.106	2.106
	8	2.119	2.119	2.115	—	—	—	—	—	—	—	—	—
	9	—	—	—	2.243	2.232	2.211	2.212	2.216	2.223	2.229	2.246	2.240
	10	2.184	2.187	2.174	2.181	2.163	2.150	2.151	2.154	2.164	2.174	2.184	2.191
	11	2.141	2.140	2.139	2.144	2.133	2.109	2.092	2.084	2.082	2.080	2.082	2.071
	12	1.799	1.777	1.757	1.722	1.703	—	1.626	1.603	1.578	1.565	1.556	1.530
	13	1.442	1.439	1.430	—	1.447	1.439	1.440	1.456	1.484	1.496	1.512	1.517
	14	1.532	1.501	1.471	1.428	1.403	1.342	1.289	1.241	1.251	1.259	1.246	1.226
	15	1.386	1.341	1.301	—	—	—	—	—	—	—	—	—
	16	—	—	—	1.536	1.502	1.501	1.460	1.446	1.466	1.478	1.498	1.490
	17	1.802	1.831	1.844	1.856	1.856	1.866	1.881	1.894	1.919	1.916	1.922	1.924
	18	1.666	1.616	1.566	1.546	1.522	1.497	1.469	1.437	—	1.430	1.432	1.433
	19	1.628	1.635	1.639	1.646	1.628	1.626	1.615	1.609	1.611	1.610	1.614	1.607
	20	1.488	1.491	1.504	1.496	1.496	1.496	1.518	—	1.592	1.609	1.646	—
	21	1.897	1.917	1.934	1.944	1.940	1.951	1.970	1.987	1.999	2.012	2.022	2.032
	22	2.044	2.045	2.035	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.730	1.707	1.681	1.653	1.642	1.622	1.579	1.555	1.540
	24	1.346	1.345	1.347	1.348	—	1.354	1.387	1.416	1.456	1.474	1.508	1.505
	25	1.578	1.563	1.558	1.534	—	1.504	1.505	1.508	1.525	1.532	1.539	1.548
	26	1.540	1.529	1.522	1.502	1.502	1.498	1.497	1.494	1.496	1.500	1.522	1.538
	27	1.892	1.918	1.936	1.951	1.969	1.993	2.020	—	2.052	2.084	2.112	2.140
	28	2.259	2.251	2.243	2.239	2.230	2.207	2.201	—	2.212	2.211	2.209	2.206
	29	2.132	2.121	2.106	—	—	—	—	—	—	—	—	—
	30	—	—	—	1.848	1.819	1.798	1.776	1.747	1.779	1.773	1.755	1.753
	31	1.759	1.757	1.757	1.757	1.738	1.728	1.715	1.717	1.720	1.747	1.747	1.749
Hourly Means	1.7354	1.7668	1.7346	1.7299	1.7322	1.7006	1.6945	1.6638	1.7193	1.7218	1.7234	1.7274	
FEBRUARY.	1	1.825	1.838	1.841	1.841	1.841	1.844	1.844	1.844	1.878	1.899	—	1.928
	2	1.964	1.963	1.968	1.962	1.970	1.975	1.996	2.010	2.037	2.044	2.080	2.100
	3	2.205	—	2.200	2.191	2.190	2.193	2.195	2.197	2.208	2.218	2.238	2.260
	4	2.159	2.149	2.130	2.119	2.098	2.082	2.045	2.038	2.039	2.038	2.035	2.022
	5	1.915	1.885	1.879	—	—	—	—	—	—	—	—	—
	6	—	—	—	1.541	1.525	1.595	1.461	1.451	1.437	1.415	1.405	—
	7	1.332	1.366	1.361	1.328	1.314	1.303	1.296	1.282	1.282	1.284	1.284	1.266
	8	1.524	1.544	1.552	1.564	1.557	1.569	1.580	1.588	—	1.617	1.642	1.665
	9	1.728	1.735	1.731	1.727	1.701	1.669	1.643	1.693	1.660	1.628	1.635	1.655
	10	1.632	1.649	1.661	1.665	1.676	1.701	1.686	1.691	1.728	1.766	1.792	1.812
	11	1.949	1.947	1.948	1.944	1.930	1.920	1.916	1.906	1.916	1.914	1.926	1.926
	12	1.992	2.002	2.017	—	—	—	—	—	—	—	—	—
	13	—	—	—	2.178	2.178	2.186	2.197	2.197	2.225	2.249	2.268	2.278
	14	2.272	2.262	2.257	2.239	—	2.197	2.183	2.179	2.169	2.177	2.183	2.176
	15	2.074	2.063	2.058	2.055	2.039	2.018	2.009	2.021	2.031	2.041	2.042	2.048
	16	2.053	2.053	2.049	2.053	2.055	2.055	2.055	2.058	2.076	2.092	2.110	2.118
	17	2.022	2.013	1.997	1.965	1.951	1.935	1.915	1.911	1.901	1.889	1.879	1.857
	18	1.656	1.643	1.645	1.638	1.632	1.640	1.640	1.649	1.664	1.702	1.749	1.769
	19	1.859	1.857	1.851	—	—	—	—	—	—	—	—	—
	20	—	—	—	2.015	2.021	2.027	2.029	2.037	2.063	2.081	2.107	2.123
	21	2.236	2.240	2.241	2.240	2.236	—	2.231	2.227	2.236	2.250	2.259	2.264
	22	2.169	2.180	2.178	2.175	2.173	2.170	2.165	—	2.168	2.179	2.198	2.206
	23	2.107	2.109	2.109	2.100	2.090	2.084	2.077	2.069	2.075	2.071	2.074	2.071
	24	1.926	1.924	1.926	1.924	1.919	1.907	1.903	1.902	1.905	1.907	1.915	1.919
	25	2.068	2.073	2.085	2.085	2.092	2.098	2.108	2.117	2.139	2.161	2.186	2.191
	26	2.263	2.261	2.249	—	—	—	—	—	—	—	—	—
	27	—	—	—	2.285	2.265	2.247	2.248	2.247	2.259	2.267	2.281	2.297
	28	2.248	2.234	2.220	2.200	2.194	2.178	2.156	2.140	2.144	2.152	2.114	2.106
Hourly Means	1.9657	1.9561	1.9647	1.9597	1.9586	1.9388	1.9407	1.9328	1.9669	1.9601	1.9740	2.0025	

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	
—	—	—	—	—	—	—	—	—	—	—	—	—
1.446	1.412	1.369	1.325	1.248	1.211	1.171	1.164	1.146	1.136	1.191	1.225	1.4225
1.190	1.188	1.188	1.170	1.166	1.165	1.137	1.107	1.095	1.079	1.083	1.085	1.1722
1.207	1.225	1.233	1.264	1.284	1.300	1.326	1.342	1.380	1.410	1.472	1.519	1.2147
1.823	1.827	1.836	1.827	1.828	1.831	1.844	1.868	1.893	1.918	1.947	1.967	1.7577
2.133	2.130	2.127	2.123	2.117	2.112	2.117	2.104	2.130	2.137	2.139	2.151	2.0992
2.099	2.092	2.085	2.078	2.055	2.064	2.055	2.061	2.055	2.073	2.084	2.103	2.0910
—	—	—	—	—	—	—	—	—	—	—	—	—
2.237	2.228	2.216	2.193	2.181	2.175	2.165	2.164	2.165	2.179	2.190	2.194	2.1955
2.199	2.190	2.157	2.157	2.155	2.141	2.133	2.122	2.119	2.122	2.124	2.136	2.1588
2.043	2.017	1.996	1.951	1.894	1.855	1.840	1.813	—	1.800	1.803	1.803	2.0049
1.510	1.444	1.427	1.390	1.377	1.360	1.349	1.360	1.358	1.361	1.380	1.418	1.5196
1.508	1.522	1.521	1.522	1.513	1.517	1.531	1.531	1.531	1.543	1.542	1.544	1.4968
1.207	1.236	1.279	1.263	1.282	1.316	1.334	1.352	1.344	1.375	—	1.387	1.3289
—	—	—	—	—	—	—	—	—	—	—	—	—
1.494	1.494	1.510	1.514	1.549	1.568	1.585	1.616	1.632	1.674	1.723	1.758	1.5217
1.903	1.891	1.874	1.837	1.824	1.813	1.779	1.722	1.718	1.716	1.730	1.690	1.8336
1.434	1.438	1.459	1.468	1.487	1.502	1.509	1.527	1.557	1.566	1.598	1.617	1.5120
1.584	1.584	1.525	1.495	1.469	1.442	1.436	1.436	1.467	1.505	1.528	1.526	1.5610
1.672	1.690	1.698	1.700	1.709	1.729	1.739	1.753	1.793	1.819	1.851	1.875	1.6529
2.023	2.025	2.015	2.005	2.007	2.007	2.014	2.019	2.007	2.005	2.038	2.043	1.9922
—	—	—	—	—	—	—	—	—	—	—	—	—
1.515	1.521	1.490	1.439	1.391	1.357	1.338	1.315	1.304	1.294	1.289	1.331	1.5590
1.524	1.519	1.513	1.515	1.525	1.510	1.528	1.544	1.543	1.555	1.568	1.581	1.4744
1.538	1.536	1.522	1.509	1.478	1.462	1.465	1.466	1.468	1.490	1.507	1.521	1.5155
1.540	1.562	1.596	1.612	1.635	1.655	1.679	1.699	1.725	1.761	1.809	1.856	1.5945
2.165	2.165	2.173	2.174	2.181	2.185	2.183	2.187	2.206	2.204	2.225	2.253	2.1029
2.209	2.218	2.199	2.186	2.173	2.158	2.138	2.128	2.123	2.119	2.129	2.127	2.1902
—	—	—	—	—	—	—	—	—	—	—	—	—
1.745	1.737	1.739	1.716	1.694	1.674	1.668	1.673	1.684	1.709	1.714	1.740	1.7625
1.765	1.771	1.762	1.753	1.736	1.736	1.739	1.743	—	1.767	1.801	1.819	1.7775
1.7197	1.7178	1.7119	1.6995	1.6907	1.6863	1.6847	1.6852	1.6851	1.7045	1.7486	1.7411	1.7132
—	—	—	—	—	—	—	—	—	—	—	—	—
1.923	1.905	1.901	1.897	1.894	1.885	1.874	1.866	1.877	1.891	1.917	1.937	1.8778
2.113	2.115	2.108	2.104	2.109	2.111	2.122	2.126	2.137	2.146	2.168	2.189	2.0674
2.261	2.242	2.215	2.194	2.189	2.173	2.168	2.153	2.148	2.146	2.153	2.157	2.1910
2.005	1.991	1.961	1.945	1.930	1.919	1.909	1.901	1.891	1.894	1.907	1.915	2.0051
—	—	—	—	—	—	—	—	—	—	—	—	—
1.372	1.312	1.301	1.292	1.271	1.271	1.350	1.355	1.371	1.388	1.389	1.343	1.4576
1.272	1.266	1.262	1.258	1.270	1.307	1.348	1.406	1.422	1.454	1.460	1.494	1.3299
1.674	1.658	1.641	1.635	1.639	1.651	1.656	1.666	1.669	1.679	1.700	1.725	1.6263
1.624	1.587	1.569	1.577	1.566	1.570	1.571	1.576	1.552	1.568	1.581	1.606	1.6313
1.817	1.811	1.814	1.812	1.815	1.823	1.834	1.838	1.867	1.905	1.917	1.950	1.7776
1.916	1.924	1.927	1.901	1.915	1.889	1.893	1.907	1.902	1.926	1.942	1.978	1.9234
—	—	—	—	—	—	—	—	—	—	—	—	—
2.282	2.277	2.265	2.260	2.254	2.242	2.227	—	2.239	2.241	2.269	2.271	2.2084
2.160	2.151	2.135	2.117	2.114	2.084	2.081	2.069	2.061	2.065	2.068	2.082	2.1513
2.050	2.027	2.022	2.018	2.003	1.987	1.977	1.982	1.987	2.007	2.028	2.043	2.0262
2.101	2.097	2.081	2.062	2.040	2.034	2.007	1.999	2.001	1.999	2.017	2.027	2.0538
1.851	1.827	1.802	1.784	1.767	1.732	1.698	1.678	1.648	1.652	1.657	1.662	1.8330
1.784	1.795	1.784	1.785	1.782	1.779	1.783	1.783	1.792	1.799	1.824	1.838	1.7314
—	—	—	—	—	—	—	—	—	—	—	—	—
2.137	2.155	2.155	2.149	2.164	2.176	2.168	2.165	2.167	2.175	2.192	2.217	2.0871
2.270	2.230	2.213	2.205	2.187	2.162	2.145	2.131	2.113	2.123	2.140	2.162	2.2061
2.205	2.192	2.158	2.145	2.126	2.107	2.095	2.091	2.089	2.078	2.094	2.102	2.1560
2.070	2.057	1.991	1.971	1.945	1.930	1.910	1.878	1.874	1.880	1.895	1.916	2.0147
1.919	1.904	1.900	1.913	1.932	1.945	1.959	1.949	1.961	1.978	2.007	2.051	1.9331
2.196	2.198	2.194	2.190	2.190	2.190	2.185	2.190	2.200	2.217	2.237	2.257	2.1603
—	—	—	—	—	—	—	—	—	—	—	—	—
2.301	2.305	2.293	2.277	2.272	2.268	2.255	2.251	2.244	2.241	2.253	2.252	2.2660
2.102	2.088	2.066	2.025	1.999	1.970	1.947	1.916	1.908	1.901	1.898	1.894	2.0750
1.9752	1.9631	1.9482	1.9381	1.9322	1.9252	1.9234	1.9076	1.9216	1.9314	1.9464	1.9611	1.9490

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	1.880	1.867	1.834	1.815	1.775	1.765	1.747	1.734	1.720	1.734	1.759	1.763
	2	1.971	1.977	1.985	1.985	1.985	1.988	1.980	1.991	2.001	2.014	2.022	2.030
	3	1.980	1.971	1.951	1.941	1.928	1.920	1.913	1.910	1.912	1.916	1.929	1.938
	4	2.028	2.038	2.051	2.060	2.045	2.082	2.116	2.124	2.156	2.186	2.220	2.250
	5	—	2.461	2.461	—	—	—	—	—	—	—	—	—
	6	—	—	—	2.392	2.392	2.396	2.398	2.390	2.391	2.395	2.391	2.391
	7 ^a	—	2.197	2.199	2.194	—	—	—	—	2.139	2.146	2.149	2.152
	8	2.029	2.049	2.037	2.033	2.015	2.010	1.993	1.985	1.987	1.993	1.996	1.993
	9	1.859	1.855	1.831	1.797	1.775	1.757	1.740	1.704	1.706	1.693	1.672	1.659
	10	1.713	1.743	1.787	1.796	1.802	1.814	1.829	1.833	1.860	1.879	1.893	1.915
	11	1.953	1.941	1.941	1.932	1.921	1.908	1.900	1.900	1.907	1.913	1.916	1.920
	12	2.017	2.027	2.057	—	—	—	—	—	—	—	—	—
	13	—	—	—	2.311	2.311	2.296	2.302	2.289	2.307	2.342	2.347	2.343
	14	2.295	2.290	2.272	—	2.244	2.224	2.213	2.206	2.190	2.190	2.190	2.183
	15	2.087	2.081	2.074	2.082	2.066	2.062	2.064	2.054	2.064	2.074	2.098	2.107
	16	2.220	2.221	2.223	2.212	2.209	2.204	2.196	2.190	2.187	2.195	2.207	2.212
	17	2.044	2.043	2.045	2.019	2.003	1.985	1.982	1.972	1.974	1.974	1.978	1.982
	18	1.734	1.705	1.687	1.653	1.635	1.610	1.577	1.560	1.518	1.545	1.549	1.538
	19	1.382	1.383	1.382	—	—	—	—	—	—	—	—	—
	20	—	—	—	1.494	1.500	—	1.502	1.508	1.512	1.526	1.540	1.556
	21	1.802	1.826	1.832	1.850	1.868	1.878	1.889	1.904	1.923	1.947	1.969	1.994
	22	2.032	2.040	2.037	2.032	2.031	2.017	2.009	1.999	2.008	2.010	2.018	2.026
	23	1.888	1.860	1.831	1.802	1.776	1.754	1.710	1.734	1.739	1.743	1.720	1.729
	24	1.858	1.881	1.896	1.932	1.934	1.954	1.957	1.984	2.004	2.016	2.057	2.082
	25	2.171	2.169	2.158	2.153	2.158	2.146	2.144	2.145	2.147	2.167	2.184	2.182
	26	2.158	2.151	2.147	—	—	—	—	—	—	—	—	—
	27	—	—	—	1.988	1.984	1.978	1.977	2.000	2.023	2.025	2.039	2.039
	28	2.057	2.053	2.042	2.024	2.024	—	2.036	2.049	2.064	2.086	2.090	2.114
	29	2.100	2.098	2.084	2.076	2.060	2.052	2.042	2.040	2.026	2.026	2.032	2.038
	30	1.755	1.730	1.707	1.638	1.617	1.596	1.577	1.571	1.576	1.584	1.572	1.574
	31	1.536	1.544	1.546	1.559	1.581	1.585	1.605	1.617	1.658	1.680	1.704	1.738
Hourly Means	1.9420	1.9704	1.9666	1.9527	1.9476	1.9575	1.9384	1.9382	1.9518	1.9629	1.9719	1.9795	
APRIL.	1	1.949	1.951	1.957	1.953	1.951	1.936	1.924	1.925	1.922	1.921	1.918	1.911
	2	1.650	1.619	1.602	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.528	1.525	1.526	1.528	1.528	1.536	1.548	1.550	1.547
	4	1.299	1.327	1.344	—	1.359	1.363	1.352	1.346	1.352	1.378	1.392	1.414
	5	1.303	1.267	1.227	1.187	1.121	1.057	1.015	0.943	0.928	0.904	0.898	0.894
	6	0.886	0.901	0.928	0.930	0.962	0.972	1.003	1.039	1.072	1.114	1.132	1.168
	7	1.540	1.541	1.555	1.554	1.550	1.547	1.556	1.546	1.551	1.559	1.566	1.588
	8	1.690	1.705	1.720	1.733	1.732	1.732	1.726	1.728	1.731	1.730	1.729	1.732
	9	1.550	1.534	1.489	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.384	1.374	1.372	1.372	1.362	1.367	1.369	1.375	1.386
	11	1.588	1.612	1.620	1.641	1.652	1.660	1.664	1.670	1.686	1.714	1.742	1.768
	12	1.938	1.938	1.938	1.938	1.938	1.937	1.936	—	1.936	1.928	1.950	1.967
	13	1.978	1.969	1.949	1.928	1.918	1.908	1.890	1.897	1.901	1.891	1.866	1.868
	14	1.642	1.641	1.626	1.622	1.619	1.617	1.614	1.603	1.605	1.621	1.633	1.695
	15	1.937	1.954	1.968	1.966	1.965	1.964	1.966	1.968	1.982	1.983	1.990	2.006
	16	1.833	1.807	1.793	—	—	—	—	—	—	—	—	—
	17	—	—	—	2.063	2.066	2.066	2.068	2.072	2.088	2.098	2.114	2.128
	18	2.163	2.163	2.161	2.160	2.158	2.159	2.160	2.160	2.174	2.182	2.198	2.213
	19	2.214	2.220	2.218	2.207	2.206	2.201	2.192	2.192	2.205	2.214	2.225	2.225
	20	2.207	2.211	2.208	2.204	2.211	2.201	2.195	2.195	2.197	2.199	2.201	2.219
	21	2.198	2.204	2.200	2.201	2.199	2.197	2.187	2.188	2.205	2.201	2.199	2.200
	22	2.170	2.165	2.159	2.154	2.150	2.146	2.136	2.132	2.133	2.145	2.149	—
	23	2.143	2.143	2.132	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.762	—	1.754	1.752	1.743	1.764	1.754	1.738	1.754
	25	1.809	1.782	1.828	1.814	1.808	1.794	1.794	1.799	1.802	1.802	1.799	—
	26	1.351	1.315	1.283	1.251	1.248	1.259	1.261	1.257	1.219	1.241	1.264	1.245
	27	1.542	1.584	1.602	1.628	1.656	1.687	1.713	1.719	1.788	1.825	1.862	1.882
	28	1.979	1.977	1.965	1.955	1.947	1.927	1.920	1.904	1.904	1.904	1.902	1.897
	29	1.876	1.878	1.890	1.896	1.895	1.899	1.902	1.908	1.929	1.934	1.934	1.936
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	1.7774	1.7763	1.7745	1.7775	1.7587	1.7552	1.7530	1.7427	1.7591	1.7664	1.7730	1.7671	

* Omitted in the daily 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	
1.763	1.775	1.791	1.811	1.815	1.825	1.834	1.859	1.883	1.906	1.933	1.961	1.8145
2.040	2.027	2.013	1.993	1.972	1.953	1.944	1.935	1.935	1.949	1.963	1.977	1.9846
1.932	1.915	1.891	1.874	1.862	1.858	1.873	1.899	1.923	1.937	1.965	2.002	1.9225
2.264	2.286	2.295	2.299	2.325	2.329	2.333	2.360	2.374	2.389	2.410	2.440	2.2275
—	—	—	—	—	—	—	—	—	—	—	—	—
2.381	2.358	2.324	2.307	2.278	2.262	2.250	2.232	2.206	2.200	2.210	2.211	2.3338
2.137	2.123	2.097	2.070	2.047	2.017	1.996	1.982	1.968	1.986	2.005	2.032	—
1.997	1.985	1.961	1.917	1.893	1.872	1.855	1.845	1.849	1.847	1.849	1.857	1.9520
1.624	1.592	1.540	1.512	1.464	1.480	1.493	1.532	1.561	1.610	1.669	1.696	1.6592
1.932	1.945	1.933	1.927	1.933	1.931	1.921	1.923	1.929	1.925	1.945	1.955	1.8776
1.910	1.922	1.899	1.879	1.865	1.870	1.861	1.873	1.885	1.915	1.914	1.987	1.9097
—	—	—	—	—	—	—	—	—	—	—	—	—
2.358	2.366	2.344	2.326	2.320	2.310	2.294	2.284	2.287	2.289	2.287	2.291	2.2794
2.182	2.164	2.131	2.120	2.081	2.073	2.065	2.062	2.067	2.071	2.079	2.092	2.1602
2.139	2.149	2.170	2.173	2.167	2.155	2.153	2.165	2.181	2.199	2.209	2.222	2.1248
2.196	2.192	2.159	2.120	2.083	2.067	2.045	2.031	2.029	2.029	2.043	2.058	2.1470
1.973	1.952	1.912	1.885	1.835	1.801	1.783	1.768	1.763	1.753	1.746	1.739	1.9130
1.515	1.510	1.465	1.431	1.406	1.381	1.365	1.361	1.361	1.367	1.380	1.377	1.5096
—	—	—	—	—	—	—	—	—	—	—	—	—
1.583	1.587	1.579	1.581	1.582	1.612	1.615	1.634	1.668	1.696	1.734	1.777	1.5623
2.013	2.031	1.993	1.978	1.955	1.949	1.952	1.965	1.972	1.990	2.017	2.019	1.9382
2.003	2.007	2.010	1.956	1.925	1.894	1.875	1.845	1.846	1.861	1.883	1.893	1.9690
1.725	1.731	1.702	1.705	1.713	1.705	1.705	1.715	1.735	1.765	1.820	1.846	1.7564
2.109	2.121	2.101	2.094	2.089	2.086	2.089	2.095	2.103	2.108	2.138	2.163	2.0355
2.174	2.167	2.141	2.127	2.113	2.118	2.110	2.116	2.122	2.119	2.132	2.156	2.1466
—	—	—	—	—	—	—	—	—	—	—	—	—
2.041	2.048	2.037	2.032	2.018	1.993	1.985	2.010	—	2.027	2.034	2.044	2.0338
2.118	2.122	2.114	2.115	2.109	2.093	2.091	2.095	2.102	2.110	2.102	2.111	2.0835
2.031	2.027	1.979	1.954	1.914	1.873	1.851	1.861	1.839	1.842	1.811	1.796	1.9772
1.574	1.564	1.564	1.540	1.528	1.516	1.501	1.498	1.497	1.498	1.518	1.532	1.5761
1.755	1.781	1.822	—	1.843	1.842	1.865	1.889	1.898	1.918	1.926	1.945	1.7320
—	—	—	—	—	—	—	—	—	—	—	—	—
1.9803	1.9795	1.9617	1.9510	1.9309	1.9209	1.9150	1.9198	1.9224	1.9372	1.9527	1.9696	1.8397
—	—	—	—	—	—	—	—	—	—	—	—	—
1.936	1.903	1.858	1.831	1.789	1.727	1.701	1.685	1.679	1.674	1.681	1.674	1.8482
—	—	—	—	—	—	—	—	—	—	—	—	—
1.535	1.521	1.508	1.480	1.450	1.404	1.373	1.356	1.334	1.322	1.320	1.314	1.4835
1.403	1.412	1.389	1.370	1.346	1.327	1.314	1.301	1.306	1.327	1.341	1.322	1.3515
0.896	0.887	0.861	0.853	0.824	0.805	0.804	0.806	0.819	0.820	0.844	0.870	0.9514
1.195	1.239	1.268	1.301	1.321	1.343	1.369	1.417	1.445	1.470	1.507	1.520	1.1876
1.601	1.603	1.601	1.595	1.587	1.595	1.593	1.595	1.607	1.632	1.652	1.677	1.5830
1.710	1.705	1.691	1.650	1.599	1.580	1.562	1.542	1.545	1.544	1.554	1.561	1.6638
—	—	—	—	—	—	—	—	—	—	—	—	—
1.387	1.373	1.355	1.340	1.339	1.363	1.369	1.382	1.424	1.439	1.517	1.544	1.4069
1.798	1.808	1.814	1.817	1.817	1.830	1.838	1.850	1.867	1.900	1.922	1.928	1.7586
1.992	1.992	1.978	1.969	1.967	1.955	1.960	1.964	1.977	1.971	1.981	1.980	1.9578
1.848	1.826	1.791	1.765	1.686	1.667	1.653	1.634	1.628	1.658	1.651	1.651	1.8092
1.719	1.729	1.740	1.735	1.755	1.773	1.802	1.829	1.842	1.894	1.926	1.934	1.7173
2.009	2.026	1.988	1.945	1.917	1.895	1.879	1.863	1.860	1.853	1.859	1.844	1.9411
—	—	—	—	—	—	—	—	—	—	—	—	—
2.128	2.112	2.106	2.096	2.081	2.070	2.073	2.080	2.094	2.089	2.127	2.141	2.0580
2.220	2.214	2.208	2.199	2.206	2.182	2.177	2.177	2.176	2.180	2.179	2.209	2.1824
2.247	2.256	2.243	2.220	2.206	2.188	2.178	2.173	2.188	2.184	2.202	2.203	2.2086
2.223	2.215	2.211	2.202	2.189	2.171	2.169	2.181	2.189	2.195	2.206	2.205	2.2002
2.219	2.195	2.183	2.164	2.146	2.129	2.121	2.130	2.139	2.146	2.159	2.163	2.1780
2.169	2.159	2.147	2.129	2.092	2.084	2.083	2.094	2.100	2.118	2.128	2.138	2.1339
—	—	—	—	—	—	—	—	—	—	—	—	—
1.762	1.759	1.744	1.721	1.700	1.686	1.709	1.711	1.728	1.749	1.786	1.801	1.7954
1.796	1.755	1.740	1.684	1.608	1.581	1.540	1.504	1.502	1.475	1.445	1.391	1.6892
1.277	1.273	1.268	1.250	1.245	1.245	1.247	1.243	1.391	1.443	1.486	1.516	1.2949
1.906	1.914	1.910	1.908	1.921	1.918	1.920	1.934	1.943	1.957	1.962	1.973	1.8189
1.893	1.906	1.898	1.877	1.861	1.845	1.839	1.845	1.848	1.849	1.861	1.884	1.8995
2.005	2.002	1.991	1.977	1.953	1.949	1.946	1.948	1.957	1.953	1.974	1.968	1.9375
—	—	—	—	—	—	—	—	—	—	—	—	—
1.7950	1.7914	1.7796	1.7631	1.7442	1.7325	1.7288	1.7298	1.7435	1.7537	1.7708	1.7764	1.7621

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	
April 30	1.962	1.953	1.945	—	—	—	—	—	—	—	—	—	
1	—	—	—	1.790	1.782	1.770	1.760	1.754	1.754	1.758	1.756	1.759	
2	1.850	1.886	1.892	1.914	1.925	1.936	1.944	1.948	1.966	—	2.042	2.064	
3	1.946	1.928	1.918	1.906	1.887	1.851	1.828	1.810	1.786	1.766	1.782	1.756	
4	1.516	1.503	1.489	1.484	1.463	1.437	1.409	1.373	1.383	1.393	1.400	1.404	
5	1.300	1.260	1.286	1.306	1.285	1.280	1.323	1.380	1.385	1.391	1.393	1.464	
6	1.663	1.662	1.658	1.609	1.662	1.663	1.677	1.685	1.702	1.718	1.736	1.766	
7	1.825	1.825	1.818	—	—	—	—	—	—	—	—	—	
8	—	—	—	1.503	1.501	1.515	1.533	1.545	1.558	1.568	1.610	1.626	
9	1.708	1.703	1.700	1.704	1.697	1.683	1.673	1.681	1.684	1.693	1.682	1.675	
10	1.466	1.449	1.419	1.413	1.378	1.368	1.338	1.330	1.323	1.330	1.335	1.355	
11	1.414	1.430	1.437	1.447	1.453	1.441	1.435	1.429	1.431	1.446	1.459	1.482	
12	1.515	1.517	1.514	1.508	1.488	—	1.443	1.395	1.429	1.443	1.433	1.461	
13	1.487	1.485	1.481	1.491	1.535	1.547	1.554	1.566	1.598	1.615	1.641	1.673	
14	2.009	2.026	2.034	—	—	—	—	—	—	—	—	—	
15	—	—	—	2.283	2.275	2.270	2.270	—	2.273	2.279	2.296	2.297	
16	2.183	2.186	2.176	2.170	2.161	2.153	2.146	2.134	2.126	2.121	2.124	2.111	
17	1.921	1.907	1.893	1.861	1.846	1.828	1.808	1.782	1.785	1.777	1.769	1.775	
18	1.766	1.768	1.771	1.786	1.795	1.808	1.814	1.826	1.850	1.862	1.876	1.893	
19	1.977	1.973	1.969	1.965	1.965	1.981	1.968	1.952	1.948	1.948	1.948	1.952	
20	1.796	1.786	1.772	1.762	1.755	1.749	1.737	1.717	1.742	1.782	1.800	1.820	
21	1.760	1.731	1.726	—	—	—	—	—	—	—	—	—	
22	—	—	—	1.384	1.330	1.292	1.241	1.187	1.193	1.187	1.187	1.185	
23	1.165	1.165	1.175	1.194	1.200	1.202	1.241	1.274	1.322	1.360	1.392	1.438	
24	1.651	1.645	1.642	1.626	1.608	1.577	1.574	1.571	1.568	1.590	1.592	1.612	
25	1.760	1.756	1.768	1.774	1.764	1.766	1.745	1.769	1.754	1.772	1.790	1.798	
26	1.824	1.822	1.818	1.810	1.792	1.784	1.768	1.762	1.766	1.760	1.758	1.757	
27	1.559	1.535	1.511	1.499	1.504	1.510	1.520	1.526	1.543	1.549	1.581	1.599	
28	1.636	1.666	1.676	—	—	—	—	—	—	—	—	—	
29	—	—	—	1.397	1.397	1.401	1.407	1.414	1.443	1.465	1.487	1.503	
30	1.574	1.578	—	1.533	1.510	1.478	1.444	1.436	1.438	1.475	1.508	1.538	
31	1.635	1.643	1.645	1.641	—	1.583	1.561	1.548	1.560	1.577	1.584	1.599	
Hourly Means	1.6988	1.6959	1.6974	1.6578	1.6522	1.6490	1.6356	1.6075	1.6411	1.6394	1.6652	1.6801	
JUNE.	1	1.873	1.878	1.886	1.883	1.877	1.880	1.874	1.874	—	1.851	1.854	1.844
2	1.746	1.752	1.758	1.763	1.773	1.770	1.764	1.758	—	1.793	1.793	1.795	
3	1.760	1.757	1.749	1.737	1.719	1.714	1.707	1.694	1.694	1.688	1.674	1.662	
4	1.965	1.982	1.993	—	—	—	—	—	—	—	—	—	
5	—	—	—	1.765	1.769	—	1.769	1.769	1.770	1.778	1.800	1.808	
6	1.597	1.575	1.559	1.521	1.500	1.482	1.476	1.476	1.480	1.486	1.488	1.485	
7	1.288	1.265	1.278	1.245	1.254	1.254	1.266	1.273	1.274	1.272	1.272	1.264	
8	1.090	1.097	1.111	1.105	—	1.091	1.079	1.069	1.061	1.053	1.045	1.025	
9	0.971	0.958	0.959	0.951	0.937	0.940	0.930	0.938	0.938	0.940	0.976	0.927	
10	1.348	1.364	1.374	1.375	1.377	1.372	1.372	1.364	1.410	1.444	1.462	1.483	
11	—	1.644	1.654	—	—	—	—	—	—	—	—	—	
12	—	—	—	1.741	1.741	1.739	1.744	1.744	1.754	1.752	1.769	1.762	
13	—	1.770	1.764	1.752	1.747	1.747	1.745	1.745	1.746	1.752	1.760	1.752	
14	1.750	1.742	1.730	1.723	—	1.740	1.751	1.750	1.762	1.782	1.793	1.799	
15	1.525	1.507	1.512	1.518	1.525	1.531	1.526	1.516	1.516	1.518	1.512	1.508	
16	1.497	1.493	1.492	1.508	1.511	1.512	1.512	1.522	1.540	1.556	1.576	1.594	
17	1.532	1.538	1.548	1.555	1.530	1.533	1.535	1.533	1.538	1.568	1.586	1.610	
18	1.737	1.663	1.651	—	—	—	—	—	—	—	—	—	
19	—	—	—	1.495	1.491	1.485	1.479	1.490	1.501	1.529	1.533	1.551	
20	1.715	1.744	1.772	1.787	1.832	1.848	1.857	1.866	1.892	1.900	1.922	1.942	
21	1.912	1.900	1.892	1.884	1.866	1.871	1.869	1.861	1.857	1.853	1.853	1.862	
22	1.833	1.824	1.814	1.805	1.810	1.802	1.794	1.792	1.787	1.797	1.814	1.824	
23	1.826	1.812	1.792	1.780	1.782	1.766	1.740	1.728	1.722	1.736	1.756	1.769	
24	1.966	1.985	2.004	2.012	—	2.044	2.044	2.062	2.074	2.095	2.113	2.139	
25	2.201	2.230	2.222	—	—	—	—	—	—	—	—	—	
26	—	—	—	2.319	2.361	—	2.324	2.309	2.276	2.310	2.315	2.311	
27	2.291	2.290	2.288	2.276	2.254	2.252	2.237	2.235	2.241	2.250	2.256	2.266	
28	2.126	2.116	2.114	2.064	2.060	2.050	2.038	2.018	1.994	1.974	1.960	1.938	
29	1.454	1.458	1.438	1.441	1.425	1.412	1.374	1.350	1.342	1.332	1.330	1.298	
30	1.189	1.183	1.190	1.188	1.189	1.194	1.198	1.204	1.220	1.230	1.240	1.246	
Hourly Means	1.6747	1.6741	1.6748	1.6613	1.6665	1.6262	1.6540	1.6515	1.6412	1.6630	1.6712	1.6717	

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	
—	—	—	—	—	—	—	—	—	—	—	—	1.7956
1.756	—	1.788	1.777	1.756	1.751	1.769	1.771	1.774	1.780	1.803	1.832	1.7995
2.058	2.054	2.054	2.028	1.989	2.090	2.090	2.087	2.025	1.984	1.985	1.971	1.7048
1.730	1.679	1.648	1.596	1.552	1.597	1.468	1.456	1.462	1.517	1.522	1.525	1.4004
1.397	1.397	1.404	1.378	1.366	1.349	1.372	1.362	1.341	1.341	1.329	1.321	1.4418
1.475	1.478	1.497	1.486	1.489	1.511	1.539	1.562	1.579	1.630	1.638	1.667	1.7347
1.763	1.758	1.760	1.767	1.777	1.775	1.774	1.796	1.805	1.811	1.820	1.827	1.6186
—	—	—	—	—	—	—	—	—	—	—	—	1.6284
1.646	1.635	1.626	1.610	1.583	1.566	1.577	1.593	1.609	1.632	1.658	1.684	1.3561
1.663	1.655	1.645	1.597	1.564	1.548	1.533	1.543	1.532	1.523	1.508	1.488	1.4724
1.363	1.336	1.319	1.311	1.291	1.270	1.308	1.324	1.352	1.369	1.394	1.406	1.4776
1.494	1.505	1.509	1.497	1.491	1.489	1.487	1.495	1.504	1.519	1.522	1.521	1.6945
1.465	1.476	1.478	1.476	1.477	1.478	1.488	1.501	1.492	1.507	1.502	1.498	2.2162
1.708	1.727	1.756	1.781	1.792	1.818	1.832	1.856	1.886	1.916	1.950	1.974	2.0700
—	—	—	—	—	—	—	—	—	—	—	—	1.7840
2.290	2.260	2.258	2.239	2.225	2.211	2.206	2.193	2.203	2.195	2.194	2.187	1.8811
2.109	2.113	2.062	2.013	1.982	1.961	1.956	1.949	1.934	1.938	1.943	1.929	2.9102
1.766	1.758	1.758	1.734	1.715	1.713	1.713	1.723	1.735	1.740	1.750	1.758	1.7902
1.940	1.946	1.940	1.915	1.916	1.922	1.921	1.948	1.953	1.964	1.982	1.986	1.2374
1.957	1.947	1.924	1.881	1.871	1.855	1.834	1.821	1.813	1.792	1.796	1.808	1.4120
1.825	1.837	1.845	1.815	1.815	1.808	—	1.808	1.812	1.805	1.801	1.785	1.6406
—	—	—	—	—	—	—	—	—	—	—	—	1.7842
1.189	1.173	1.141	1.111	1.066	1.057	1.061	1.065	1.083	1.096	1.114	1.140	1.7220
1.451	1.499	1.520	1.524	1.526	1.549	1.571	1.595	1.610	1.626	1.640	1.648	1.5618
1.633	1.643	1.642	1.649	1.661	1.650	1.675	1.687	1.692	1.716	1.725	1.747	1.5193
1.820	1.815	1.810	1.782	1.784	1.773	1.778	1.781	1.801	1.818	1.823	1.821	1.5506
1.760	1.747	1.729	1.696	1.668	1.648	1.633	1.615	1.603	1.606	1.604	1.593	1.6751
1.603	1.613	1.595	1.586	1.558	1.564	1.566	1.565	1.575	1.597	1.609	1.616	1.7902
—	—	—	—	—	—	—	—	—	—	—	—	1.2374
1.528	1.546	1.553	1.537	1.527	1.529	1.546	1.551	1.562	1.565	1.565	1.563	1.4120
1.555	1.580	1.571	1.567	1.572	1.577	1.593	1.611	1.623	1.625	1.637	1.641	1.6406
1.633	—	1.690	1.690	1.717	1.728	1.745	1.756	1.776	1.832	1.847	1.862	1.7842
1.6880	1.6871	1.6860	1.6683	1.6567	1.6588	1.6552	1.6674	1.6717	1.6831	1.6911	1.6962	1.7220
1.820	1.790	1.769	1.737	1.696	1.651	1.649	1.664	1.671	1.695	1.716	1.740	1.7901
1.805	1.787	1.772	1.751	1.744	1.733	1.726	1.733	1.740	1.742	1.755	1.762	1.7615
1.667	1.730	1.722	1.706	1.744	1.778	1.806	1.837	1.871	1.898	1.940	1.952	1.7586
—	—	—	—	—	—	—	—	—	—	—	—	1.7645
1.806	1.798	1.771	1.747	1.720	1.697	1.676	1.659	1.653	1.639	1.630	1.619	1.4468
1.486	1.485	1.465	1.440	1.403	1.369	1.353	1.345	1.326	1.316	1.303	1.308	1.1843
1.239	1.224	1.173	1.122	1.085	1.050	1.046	1.045	1.047	1.055	1.055	1.077	1.0158
1.007	0.984	0.967	0.942	0.944	0.953	0.946	0.952	0.943	0.953	0.973	0.973	1.0825
1.078	1.110	1.130	1.152	1.156	1.200	1.230	1.264	1.290	1.326	1.338	1.342	1.4827
1.509	1.521	1.521	1.524	1.539	1.559	1.574	1.588	1.612	1.620	1.631	1.643	1.7442
—	—	—	—	—	—	—	—	—	—	—	—	1.7582
1.794	1.793	1.784	1.756	1.732	1.722	1.720	1.738	1.741	1.751	1.766	1.775	1.7378
1.782	1.786	1.770	1.761	1.746	1.721	1.754	1.766	1.768	1.772	1.770	1.762	1.4926
1.807	1.805	1.799	1.776	1.778	1.753	1.731	1.713	1.663	1.641	1.608	1.574	1.5706
1.514	1.519	1.516	1.505	1.465	1.432	1.422	1.407	1.425	1.469	1.477	1.458	1.6269
1.622	1.645	1.640	1.629	1.621	1.599	1.603	1.621	1.610	1.613	1.597	1.582	1.5648
1.646	1.659	1.665	1.663	1.668	1.688	1.706	1.716	1.739	1.756	1.765	1.769	1.8824
—	—	—	—	—	—	—	—	—	—	—	—	1.8612
1.529	1.580	1.564	1.557	1.544	1.540	1.555	1.550	1.589	1.612	1.656	1.675	1.8140
1.955	1.960	1.950	1.936	1.924	1.916	1.911	1.910	1.909	1.908	1.912	1.910	1.8389
1.884	1.884	1.873	1.858	1.849	1.846	1.840	1.824	1.833	1.830	1.830	1.839	2.0687
1.816	1.814	1.808	1.805	1.798	1.818	1.824	1.812	1.823	1.842	1.848	1.832	2.2922
1.776	1.774	1.776	1.777	1.781	1.784	1.822	1.838	1.860	1.877	1.918	1.942	2.2272
2.167	2.181	2.184	2.164	2.142	2.146	2.144	2.144	2.164	2.196	2.211	2.199	1.8792
—	—	—	—	—	—	—	—	—	—	—	—	1.2955
2.332	2.326	2.323	2.310	2.297	2.289	2.289	2.282	2.280	2.263	2.276	2.276	1.2563
2.289	2.278	2.262	2.239	2.212	2.155	2.148	2.138	2.142	2.148	2.155	2.151	—
1.890	1.856	1.832	1.802	1.767	1.736	1.714	1.682	1.652	1.615	1.568	1.535	—
1.293	1.270	1.239	1.209	1.187	1.165	1.164	1.164	1.175	1.184	1.195	1.192	—
1.279	1.290	1.294	1.287	1.280	1.282	1.288	1.314	1.328	1.347	1.346	1.346	—
1.6843	1.6865	1.6757	1.6598	1.6470	1.6380	1.6400	1.6425	1.6482	1.6565	1.6630	1.6628	1.6598

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	
JULY.	1	1.356	1.364	1.366	1.360	1.364	1.364	1.358	1.354	1.364	1.375	1.379	1.381
	2	1.636	1.646	1.652	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.242	1.214	1.208	1.192	1.171	1.139	1.135	1.126	1.120
	4	1.228	1.238	—	1.252	1.266	1.272	1.274	1.274	1.264	1.260	1.262	1.250
	5	1.367	1.366	1.322	1.296	1.284	1.284	1.270	1.256	1.265	1.289	1.318	1.340
	6	1.458	1.474	1.498	1.510	1.522	1.548	1.550	1.578	1.618	1.654	1.676	1.708
	7	1.933	1.943	1.956	1.966	1.972	1.968	1.962	2.060	1.956	1.954	1.960	1.992
	8	1.780	1.758	1.742	1.708	1.678	1.662	1.626	1.612	—	1.574	1.560	1.540
	9	1.392	1.399	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.540	1.542	1.544	1.552	1.579	1.603	1.633	1.654	1.690
	11	1.828	1.822	1.808	1.796	1.793	1.795	1.793	1.811	1.828	1.844	1.864	1.878
	12	1.899	1.870	1.866	1.828	1.812	1.800	1.764	1.728	1.712	1.734	1.748	1.795
	13	—	2.074	2.084	2.095	2.108	2.114	2.122	2.136	2.160	2.172	2.194	2.212
	14	2.229	2.229	2.230	2.230	2.216	2.200	2.182	2.176	1.170	2.156	2.157	2.169
	15	2.086	2.087	2.085	2.082	2.068	2.064	2.052	2.052	1.056	2.062	2.074	2.074
	16	2.022	1.998	1.998	—	—	—	—	—	—	—	—	—
	17	—	—	—	2.056	2.064	2.068	2.080	2.074	1.086	2.092	2.119	2.139
	18	2.132	2.124	2.128	2.104	2.094	2.087	2.079	2.069	1.069	2.058	2.046	2.044
	19	1.897	1.892	1.880	1.860	1.840	1.826	1.805	1.781	1.782	1.778	1.772	1.788
	20	1.676	1.672	1.668	1.664	1.638	1.624	1.614	1.602	1.596	1.588	1.598	1.596
	21	1.558	1.561	1.553	1.531	1.513	1.498	1.471	1.458	1.460	1.456	1.464	1.482
	22	1.624	1.628	1.638	1.637	1.641	1.662	1.678	1.683	1.697	1.713	1.724	1.745
	23	1.670	1.666	1.662	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.702	1.714	1.724	1.714	1.758	1.775	1.793	1.817	1.844
	25	2.028	2.030	2.014	1.994	1.974	1.973	1.949	1.934	1.908	1.888	1.858	1.837
	26	1.644	1.586	1.560	1.544	1.516	1.449	1.335	1.309	1.256	1.272	1.284	1.276
	27	1.115	1.089	1.091	1.047	1.050	1.036	1.038	1.024	1.044	1.052	1.059	1.074
	28	1.387	1.400	1.416	1.404	1.415	1.423	1.442	1.442	1.450	1.476	1.498	1.525
	29	1.740	1.746	1.746	1.746	1.746	1.750	1.754	1.754	1.764	1.774	1.782	1.798
	30	1.854	1.853	1.861	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	1.860	1.870	1.885	1.893	1.916	1.920	1.926	1.922
Hourly Means	1.7016	1.7121	1.7427	1.6878	1.6886	1.6851	1.6747	1.6757	1.6775	1.6808	1.6892	1.7007	
AUGUST.	1	2.060	2.066	2.070	2.069	2.060	2.058	2.056	2.056	—	2.086	2.094	2.108
	2	2.029	2.025	2.022	2.016	2.021	2.027	2.024	2.016	2.006	2.016	2.026	2.014
	3	1.774	1.768	1.756	1.732	—	1.685	1.639	1.621	1.585	1.543	1.511	1.489
	4	1.322	1.320	1.317	1.320	1.319	1.335	1.348	1.368	1.408	1.446	1.476	1.514
	5	1.752	1.750	1.756	1.764	1.768	1.768	1.766	1.774	1.764	1.774	1.784	1.794
	6	1.766	1.762	1.776	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.854	1.850	1.857	1.860	1.862	1.878	1.892	1.905	1.925
	8	1.918	1.911	1.907	1.904	1.892	1.886	1.876	1.859	1.857	1.858	1.858	1.850
	9	1.770	1.762	1.764	1.752	1.752	1.741	1.733	1.719	1.712	1.712	1.704	1.734
	10	1.727	1.730	1.735	1.733	1.733	1.735	1.733	1.737	1.741	1.767	1.784	1.794
	11	2.016	2.032	2.044	2.054	2.066	2.080	2.087	2.105	2.114	2.132	2.150	2.168
	12	2.188	2.194	2.196	2.194	2.191	2.181	2.171	2.174	2.182	2.182	2.181	2.181
	13	2.098	2.084	2.069	—	—	—	—	—	—	—	—	—
	14	—	—	—	2.037	2.034	2.022	2.014	2.018	2.024	2.024	2.022	2.022
	15	1.583	1.555	1.523	1.493	1.467	1.449	1.424	1.402	1.390	1.372	1.350	1.322
	16	1.256	1.278	1.302	1.324	1.348	1.359	1.363	1.373	—	—	1.368	1.352
	17	1.514	1.651	1.686	1.692	1.707	1.705	1.721	1.742	1.760	1.780	1.808	1.847
	18	1.730	1.704	1.672	1.644	1.600	1.568	1.544	1.516	1.484	1.468	1.506	1.540
	19	2.048	2.061	2.088	2.119	2.130	2.138	2.144	2.154	2.168	2.183	2.213	2.238
	20	2.246	2.241	2.239	—	—	—	—	—	—	—	—	—
	21	—	—	—	1.980	1.976	1.970	1.958	1.952	1.946	1.940	1.950	1.954
	22	1.853	1.841	1.827	1.819	1.794	1.774	1.762	1.744	1.740	1.740	1.740	1.752
	23	1.730	1.738	1.743	1.750	1.756	1.756	1.760	1.770	1.775	1.799	1.827	1.841
	24	1.938	1.948	1.948	1.938	—	1.932	1.932	1.934	1.939	1.942	1.968	1.986
	25	1.985	1.980	1.971	1.970	1.964	1.961	1.945	1.929	1.938	1.934	1.934	1.938
	26	1.710	1.684	1.664	1.662	—	1.622	1.606	1.587	1.586	1.584	1.589	1.594
	27	1.621	1.631	1.633	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	1.976	1.962	1.942	1.946	1.966	1.977	1.985	2.004
	29	2.174	2.186	2.203	2.212	2.224	2.224	2.228	2.234	2.260	2.266	2.277	2.281
	30	2.248	2.244	2.242	2.230	2.220	2.205	2.190	2.184	—	2.186	2.192	2.190
	31	1.987	1.983	1.969	1.938	1.926	1.894	1.868	1.846	1.830	1.814	1.802	1.776
Hourly Means	1.8531	1.8566	1.8564	1.8538	1.8656	1.8479	1.8405	1.8378	1.8397	1.8622	1.8520	1.8596	

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	
1.364	1.354	1.346	1.329	1.327	1.375	1.431	1.462	1.513	1.556	1.589	1.628	1.4024
1.173	1.197	1.194	1.185	1.161	1.163	1.152	1.179	1.183	1.197	1.194	1.219	1.2366
1.220	1.221	1.208	1.187	1.205	1.181	1.214	1.251	1.264	1.304	1.328	1.324	1.2412
1.364	1.370	1.378	1.374	1.362	1.362	1.425	1.420	1.422	1.439	1.446	1.438	1.3524
1.751	1.766	1.757	1.762	1.766	1.768	1.786	1.808	1.832	1.854	1.883	1.919	1.6852
1.983	1.976	1.962	1.918	1.868	1.857	1.846	1.842	1.812	1.812	1.794	1.787	1.9199
1.502	1.472	1.446	1.379	1.362	1.360	1.357	1.359	1.369	1.387	1.391	1.387	1.5222
1.733	1.762	1.768	1.766	1.773	1.790	1.800	1.802	1.814	1.828	1.833	1.838	1.6798
1.903	1.914	1.912	1.904	1.889	1.889	1.889	1.897	1.897	1.894	1.897	1.897	1.8601
1.780	1.798	1.814	1.806	1.813	1.829	1.857	1.879	1.914	1.930	1.969	2.003	1.8311
2.234	2.231	2.228	2.210	2.201	2.195	2.196	2.205	2.208	2.213	2.229	2.224	2.1759
2.176	2.185	2.161	2.132	2.112	2.108	2.098	2.092	1.083	2.082	2.085	2.086	2.1560
2.082	2.100	2.080	2.060	2.026	2.015	2.007	2.008	1.010	2.011	2.017	2.028	2.0536
2.145	2.149	—	2.116	2.106	2.097	2.096	2.100	1.096	2.106	2.119	2.131	2.0894
2.038	2.027	2.010	1.976	1.944	1.919	1.914	1.906	1.905	1.904	1.894	1.895	2.0153
1.776	1.769	1.756	1.730	1.702	1.695	1.679	1.773	1.679	1.679	1.679	1.680	1.7707
1.603	1.599	1.588	1.580	1.556	1.532	1.528	1.526	1.525	1.533	1.549	1.551	1.5919
1.506	1.518	1.515	1.514	1.497	1.502	1.522	1.528	1.557	1.578	1.591	1.606	1.5183
1.731	1.721	1.706	1.668	1.650	1.641	1.643	1.649	1.653	1.663	1.670	1.674	1.6725
1.893	1.904	1.917	1.928	1.935	1.938	1.948	1.968	1.980	1.992	2.007	2.029	1.8449
1.797	1.767	1.740	1.700	1.656	1.638	1.646	1.648	1.654	1.652	1.655	1.660	1.8166
1.250	1.250	1.218	1.194	1.178	1.141	1.125	1.121	1.138	1.137	1.140	1.125	1.2936
1.085	1.096	1.101	1.097	1.087	1.118	1.150	1.204	1.232	1.274	1.319	1.366	1.1187
1.556	1.572	1.585	1.597	1.600	1.614	1.642	1.658	1.672	1.698	1.716	1.726	1.5381
1.820	1.816	1.802	1.792	1.777	1.784	1.792	1.804	1.815	1.828	1.839	1.844	1.7839
1.980	1.996	2.000	1.984	1.974	1.979	1.982	1.998	—	2.027	2.042	2.042	1.9438
1.7094	1.7127	1.6877	1.6880	1.6741	1.6727	1.6818	1.6953	1.6891	1.7145	1.7260	1.7349	1.6958
2.122	2.127	2.102	2.074	2.065	2.060	2.062	2.052	2.046	2.046	2.040	2.034	2.0701
2.020	2.012	1.966	1.950	1.898	1.885	1.868	1.856	1.837	1.824	1.811	1.790	1.9566
1.475	1.458	1.441	1.403	1.369	1.348	1.332	1.319	1.309	1.321	1.311	1.319	1.5003
1.544	1.586	1.611	1.618	1.618	1.622	1.640	1.661	1.676	1.708	1.732	1.741	1.5104
1.810	1.805	1.798	1.782	1.757	1.752	1.750	1.740	1.738	1.723	1.729	—	1.7651
1.932	1.929	1.924	1.911	1.898	—	1.901	1.904	1.906	1.912	1.923	1.920	1.8799
1.864	1.858	1.832	1.802	1.783	1.766	1.756	1.753	1.754	1.766	1.768	1.770	1.8353
1.737	1.725	1.713	1.687	1.674	1.665	1.665	1.669	1.678	1.690	1.704	—	1.7157
1.820	1.845	1.852	1.858	1.869	1.875	1.884	1.913	1.930	1.962	1.974	1.998	1.8220
2.194	2.193	2.193	2.174	2.152	2.150	2.154	2.158	2.160	2.161	2.168	2.179	2.1285
2.190	2.187	2.187	2.154	2.137	2.124	2.124	2.114	2.105	2.104	2.110	2.114	2.1610
2.012	1.992	1.970	1.927	1.883	1.832	1.800	1.752	1.734	1.698	1.662	1.623	1.9314
1.272	1.212	1.183	1.124	1.120	1.075	1.083	1.087	1.094	1.129	1.165	1.238	1.2963
1.329	1.294	1.267	1.272	1.309	1.353	1.377	1.414	1.435	1.475	1.524	1.591	1.3620
1.871	1.868	1.867	1.868	1.832	1.818	1.802	1.794	1.779	1.778	1.754	1.746	1.7662
1.607	1.663	1.699	1.745	1.751	1.800	1.842	1.874	1.912	1.957	1.991	2.032	1.7020
2.248	2.255	2.251	2.238	2.223	2.222	2.214	2.215	2.220	2.220	2.227	2.232	2.1854
1.937	1.926	1.918	1.898	1.917	1.864	1.855	1.852	1.848	1.850	1.853	1.857	1.9553
1.746	1.744	1.742	1.732	1.717	1.709	1.705	1.705	1.692	1.698	1.715	1.724	1.7511
1.870	1.863	1.870	1.864	1.864	1.872	1.884	1.886	1.898	1.904	1.922	1.932	1.8281
2.000	1.990	1.978	1.962	1.952	1.950	1.944	1.951	1.948	1.948	1.969	1.982	1.9556
1.938	1.920	1.892	1.862	1.809	1.782	1.757	1.735	1.729	1.730	1.720	1.718	1.8767
1.598	1.584	1.575	1.540	1.532	1.523	1.523	1.531	1.548	1.568	1.583	1.599	1.5910
2.016	2.034	2.025	2.030	2.018	2.038	2.049	1.065	2.073	2.104	2.134	2.153	1.9731
2.292	2.294	2.272	2.251	2.240	2.240	2.220	2.212	2.214	2.225	2.237	2.244	2.2379
2.175	2.155	2.132	2.096	—	2.029	2.004	1.998	1.995	2.000	1.995	2.000	2.1323
1.728	1.677	1.641	1.605	1.565	1.535	1.525	1.525	1.531	1.540	1.551	1.567	1.7343
1.8647	1.8591	1.8482	1.8306	1.8058	1.8034	1.8045	1.8050	1.8070	1.8163	1.8249	1.8441	1.8390

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	1.591	1.593	1.553	1.558	—	—	—	—	1.522	1.520	1.522	1.526
	2	1.588	1.588	1.578	1.580	1.575	1.569	1.567	1.563	1.568	1.578	1.592	1.607
	3	1.691	1.710	1.712	—	—	—	—	—	—	—	—	—
	4	—	—	—	2.083	2.082	2.064	2.064	2.062	2.065	2.081	2.085	2.088
	5	1.978	1.973	1.964	1.948	1.940	1.925	1.907	1.903	1.878	1.885	1.889	1.894
	6	1.858	1.852	1.850	1.834	—	1.824	1.822	1.821	1.833	1.842	1.846	1.857
	7	1.855	1.852	1.842	1.842	1.858	1.846	1.841	1.841	1.847	1.851	1.865	1.873
	8	1.826	1.827	1.807	1.806	1.810	1.798	1.785	1.779	1.788	1.789	1.797	1.800
	9	—	—	—	—	1.648	1.659	1.664	1.672	1.679	1.696	1.729	1.754
	10	1.892	1.902	1.917	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	1.798	1.782	1.766	1.758	1.742	1.730	1.726	1.728
	12	1.688	1.692	1.682	1.678	1.680	1.670	1.672	1.678	1.678	1.692	1.702	1.718
	13	1.749	1.749	1.743	1.731	1.723	1.716	1.720	1.714	1.698	1.698	1.698	1.700
	14	1.405	1.373	1.347	1.326	1.312	1.290	1.278	1.262	1.262	1.261	1.263	1.266
	15	1.106	1.104	1.110	1.120	1.124	1.134	1.148	1.174	—	1.208	1.232	1.240
	16	1.360	1.378	1.394	1.421	1.438	1.438	1.460	1.501	1.531	1.567	1.599	1.615
	17	1.789	1.798	1.795	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	1.631	1.633	1.643	1.661	1.673	1.699	1.701	1.712
	19	1.922	1.932	1.932	1.934	1.932	1.931	1.934	1.948	1.954	1.971	1.988	2.008
	20	1.948	1.937	1.916	1.905	1.882	1.862	1.844	1.836	1.835	1.833	1.820	1.823
	21	1.818	1.824	1.834	1.828	1.830	1.832	1.832	1.856	1.854	1.858	1.846	1.862
	22	1.617	1.589	1.579	1.547	1.520	1.484	1.450	1.436	1.420	1.406	1.403	1.396
	23	1.525	1.519	1.504	1.480	1.471	1.451	1.422	1.412	1.421	1.423	1.427	1.447
	24	1.483	1.459	1.466	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	1.664	1.669	1.663	1.663	1.653	1.672	1.692	1.681
	26	1.817	1.820	1.822	1.820	1.822	1.825	1.819	1.820	1.832	1.844	1.860	1.867
	27	1.607	1.596	1.584	1.551	1.530	1.487	1.435	1.374	1.362	1.339	1.310	1.335
	28	1.503	1.518	1.513	1.518	1.502	1.490	1.482	1.572	1.439	1.465	1.475	1.466
	29	1.313	1.296	1.265	1.232	1.197	1.164	1.150	1.120	—	1.102	1.116	1.122
	30	1.208	1.199	1.180	1.134	1.119	1.117	1.097	1.092	1.082	1.113	1.099	1.116
Hourly Means	1.6455	1.6432	1.6356	1.6307	1.6287	1.6264	1.6186	1.6207	1.6507	1.6201	1.6262	1.6347	
OCTOBER.	1	1.093	1.101	1.090	—	—	—	—	—	—	—	—	—
	2	—	—	—	1.377	1.390	1.414	1.432	1.452	1.491	1.536	1.567	1.606
	3	1.613	1.585	1.533	1.464	1.440	1.446	1.438	1.442	1.462	1.504	1.533	1.556
	4	1.577	1.561	1.547	1.526	1.490	1.477	1.443	1.391	1.327	1.325	1.293	1.257
	5	—	1.479	1.460	1.438	1.402	1.359	1.307	1.300	1.310	1.310	1.287	1.325
	6	1.538	1.533	1.507	1.488	1.496	—	1.499	1.508	1.569	1.547	1.556	1.576
	7	1.724	1.746	1.771	1.781	1.806	1.814	1.844	1.861	1.874	1.899	1.930	1.938
	8	1.850	1.848	1.856	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	1.813	1.825	1.835	1.829	1.838	1.844	1.855	1.844
	10	1.726	1.711	1.707	1.698	1.698	1.692	1.681	1.690	—	—	1.738	1.749
	11	1.814	1.800	1.787	1.771	1.747	1.722	1.710	1.707	1.705	1.708	1.707	1.693
	12	1.455	1.457	1.442	1.418	1.409	1.377	1.335	1.306	1.283	1.251	1.222	1.223
	13	1.203	1.207	1.190	1.167	1.147	1.117	1.101	1.095	—	1.133	1.139	1.151
	14	1.529	1.528	1.536	1.539	1.534	1.532	1.522	1.544	—	1.557	1.575	1.576
	15	1.530	1.524	1.517	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	1.189	1.191	1.189	1.193	1.201	1.210	1.220	1.224
	17	1.278	1.279	1.267	1.245	1.242	1.219	1.189	1.173	1.148	1.120	1.108	1.097
	18	1.100	1.093	1.089	1.069	1.054	1.025	1.009	0.997	0.994	0.995	1.005	1.005
	19	1.232	1.247	1.243	1.238	1.236	1.233	1.227	1.213	1.202	1.202	1.197	1.188
	20	1.364	1.411	1.414	1.464	1.452	1.496	1.524	1.537	1.574	1.596	1.621	1.628
	21	1.488	1.473	1.469	1.438	1.448	1.446	1.449	1.456	1.490	1.512	1.514	—
	22	1.763	1.769	1.766	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.675	1.664	1.668	1.642	1.626	1.624	1.634	1.644	1.642
	24	1.548	1.523	1.501	1.459	—	1.429	1.405	1.401	1.395	1.395	1.396	1.388
	25	1.468	1.463	1.467	1.467	1.488	1.494	1.495	1.507	1.505	1.553	1.580	1.594
	26	1.695	1.714	1.750	1.748	1.747	1.752	1.758	1.778	1.797	1.819	1.851	1.864
	27	1.954	1.976	1.978	—	1.976	1.981	1.992	1.986	2.004	2.017	2.030	2.037
	28	1.958	1.950	1.940	1.916	1.905	1.890	1.885	1.887	1.882	1.886	1.882	1.875
	29	1.746	1.733	1.720	—	—	—	—	—	—	—	—	—
	30	—	—	—	1.365	1.346	1.354	1.360	1.371	1.383	1.391	1.399	1.427
	31	1.689	1.703	1.717	1.722	1.732	1.750	1.750	1.754	1.774	1.786	1.804	1.803
Hourly Means	1.5574	1.5544	1.5486	1.4988	1.5141	1.5081	1.5008	1.5002	1.5144	1.5092	1.5251	1.5306	

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	
1.543	1.547	1.535	1.515	1.511	1.505	1.512	1.526	1.543	1.563	1.580	1.584	1.5424
1.609	1.603	1.580	1.591	1.579	—	1.591	1.603	1.603	1.638	1.655	1.673	1.5947
—	—	—	—	—	—	—	—	—	—	—	—	—
2.094	2.095	2.080	2.046	2.012	1.990	1.979	1.968	1.970	1.976	1.983	1.984	1.9985
1.883	1.879	1.857	1.839	1.806	1.792	1.790	1.784	1.799	1.814	1.830	1.839	1.8748
1.858	1.858	1.844	1.833	1.829	1.813	1.801	1.814	1.812	1.825	1.840	1.844	1.8352
1.869	1.873	1.848	1.826	—	1.785	1.775	1.781	1.787	1.800	1.815	1.820	1.8344
1.790	1.780	1.753	1.725	1.698	1.681	1.673	1.663	1.655	1.658	1.660	—	1.7543
1.778	1.793	1.787	1.786	1.786	1.798	1.808	1.816	1.836	1.850	1.861	1.878	1.7639
—	—	—	—	—	—	—	—	—	—	—	—	—
1.695	1.677	1.664	1.646	1.628	1.630	1.624	1.632	1.642	1.650	1.666	1.680	1.7207
1.722	1.718	1.711	1.708	1.706	1.711	1.713	1.724	1.724	1.728	1.741	1.735	1.7030
1.675	1.635	1.609	1.546	1.508	1.484	1.459	1.435	1.421	1.417	1.413	1.410	1.6105
1.262	1.238	1.211	1.184	1.110	1.103	1.074	1.063	1.042	1.069	1.096	1.105	1.2167
1.241	1.235	1.223	1.210	1.212	1.222	1.234	1.244	1.256	1.271	1.302	1.323	1.2032
1.639	1.644	1.645	1.644	1.649	1.662	1.667	1.675	1.698	1.738	1.758	1.780	1.5792
—	—	—	—	—	—	—	—	—	—	—	—	—
1.738	1.732	1.757	1.761	1.767	1.777	1.795	1.816	1.829	1.852	1.872	1.901	1.7536
2.016	2.009	1.938	1.973	1.943	1.933	1.922	1.925	1.928	1.939	1.949	1.946	1.9506
1.805	1.800	1.776	1.723	1.705	1.710	1.704	1.723	1.749	1.780	1.790	1.814	1.8133
1.840	1.820	1.769	1.720	1.678	1.655	1.633	1.607	1.598	1.594	1.606	1.605	1.7583
1.394	1.424	1.426	1.428	1.424	1.440	1.439	1.463	1.472	1.498	1.527	1.528	1.4712
1.446	1.444	1.426	1.406	1.389	1.356	1.364	1.364	1.387	1.412	1.433	1.460	1.4329
—	—	—	—	—	—	—	—	—	—	—	—	—
1.689	1.688	1.694	1.692	1.695	1.708	1.715	1.731	1.753	1.777	1.799	1.806	1.6744
1.864	1.851	1.829	1.795	1.755	1.737	1.712	1.683	1.659	1.638	1.627	1.621	1.7808
1.328	1.357	1.347	1.339	1.352	1.370	1.392	1.417	1.440	1.504	1.489	1.479	1.4302
1.468	1.450	1.414	1.387	1.344	1.332	1.317	1.320	1.323	1.328	1.335	1.322	1.4285
1.132	1.143	1.139	1.140	1.131	1.148	1.148	1.171	1.188	1.198	1.203	1.206	1.1750
1.109	1.098	1.081	1.073	1.065	1.062	1.047	1.069	1.061	1.072	1.096	1.098	1.1036
1.6341	1.6304	1.6132	1.5975	1.5713	1.5762	1.5726	1.5776	1.5837	1.5996	1.6125	1.6176	1.6150
—	—	—	—	—	—	—	—	—	—	—	—	—
1.635	1.638	1.635	1.624	1.628	1.621	1.619	1.621	1.644	1.649	1.633	1.627	1.5051
1.555	1.554	1.561	1.549	1.570	1.564	1.562	1.565	1.576	1.581	1.588	1.598	1.5350
1.254	1.228	1.256	1.243	1.238	1.258	1.246	1.294	1.358	1.417	1.451	1.500	1.3732
1.358	1.370	1.380	1.387	1.397	1.396	1.388	1.413	1.430	1.480	1.537	1.537	1.3935
1.627	1.620	1.607	1.573	1.591	1.587	1.598	1.609	1.619	1.618	1.679	1.691	1.5755
1.957	1.984	1.986	1.946	1.936	1.919	1.908	1.911	1.913	1.924	1.914	1.901	1.8828
—	—	—	—	—	—	—	—	—	—	—	—	—
1.829	1.825	1.793	1.777	1.745	1.716	1.696	1.682	1.676	1.684	1.693	1.705	1.7851
1.783	1.770	1.762	1.764	1.760	1.742	1.753	1.751	1.770	1.790	1.803	1.814	1.7433
1.675	1.644	1.620	1.586	1.542	1.505	1.487	1.482	1.470	1.473	1.473	1.482	1.6379
1.168	1.147	1.106	1.036	1.010	1.111	1.118	1.136	1.166	1.194	1.198	1.204	1.2405
1.175	1.194	1.193	1.216	1.255	1.293	1.339	1.399	1.458	1.475	1.532	1.536	1.2485
1.572	1.559	1.546	1.529	1.519	1.521	1.521	1.517	1.520	1.521	1.533	1.531	1.5374
—	—	—	—	—	—	—	—	—	—	—	—	—
1.223	1.229	1.224	1.226	1.221	1.235	1.238	1.241	1.261	1.269	1.269	1.283	1.2655
1.092	1.104	1.057	1.050	1.043	1.043	1.039	1.064	1.054	1.062	1.089	1.105	1.1320
1.022	0.997	1.008	1.033	1.051	1.078	1.092	1.117	1.131	1.155	1.206	1.216	1.0642
1.206	1.169	1.161	1.154	1.172	1.173	1.190	1.213	1.227	1.272	1.305	1.354	1.2189
1.662	1.665	1.658	1.652	1.630	1.619	1.592	1.570	1.564	1.540	1.539	1.532	1.5543
1.551	1.562	1.566	1.586	1.611	1.615	1.639	1.657	1.687	1.709	1.731	1.750	1.5586
—	—	—	—	—	—	—	—	—	—	—	—	—
1.647	1.620	1.611	1.594	1.565	1.548	1.535	1.516	1.533	1.552	1.558	1.558	1.6231
1.370	1.365	1.355	1.349	1.351	1.356	1.360	1.362	1.370	1.404	1.437	1.459	1.4077
1.612	1.611	1.608	1.609	1.605	—	1.580	1.583	1.586	1.608	1.635	1.670	1.5560
1.863	1.856	1.843	1.851	1.846	1.847	1.853	1.857	1.882	1.899	1.921	1.945	1.8223
2.030	1.982	1.980	1.970	1.964	1.951	1.934	1.924	1.918	1.937	1.949	1.966	1.9755
1.866	1.839	1.828	1.809	1.769	1.749	1.738	1.724	1.735	1.733	1.741	1.749	1.8390
—	—	—	—	—	—	—	—	—	—	—	—	—
1.425	1.429	1.424	1.435	1.441	1.474	1.492	1.528	1.550	1.581	1.620	1.658	1.4855
1.799	1.787	1.769	1.746	1.728	1.721	1.715	1.708	1.697	1.697	1.705	1.708	1.7402
1.5368	1.5288	1.5207	1.5113	1.5072	1.5057	1.5089	1.5171	1.5306	1.5471	1.5669	1.5800	1.5262

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	1.702	1.689	1.668	1.635	1.606	1.588	1.578	1.563	1.583	1.601	1.598	1.604
	2	1.589	1.573	1.563	1.557	1.562	1.553	1.553	1.565	1.597	1.620	1.642	1.650
	3	1.762	1.764	1.761	1.761	1.749	1.737	1.719	1.729	—	1.739	1.764	1.772
	4	1.759	1.759	1.755	1.733	1.710	1.699	1.682	1.669	1.679	1.683	1.689	1.689
	5	1.603	1.569	1.564	—	—	—	—	—	—	—	—	—
	6	—	—	—	1.395	1.366	1.342	1.326	1.306	1.295	1.277	1.275	1.295
	7	1.524	1.553	1.569	1.583	1.592	1.600	1.620	1.634	—	1.700	1.711	1.725
	8	1.823	1.816	1.814	1.801	1.783	1.784	1.766	1.778	1.800	1.786	1.774	1.774
	9	1.462	1.436	1.415	1.363	1.324	1.282	1.276	1.302	—	1.295	1.321	1.350
	10	1.614	1.613	1.615	1.582	1.623	1.623	1.627	1.639	1.663	1.691	1.702	1.728
	11	1.695	1.681	1.681	1.636	1.646	1.608	1.546	1.546	1.503	1.507	1.494	1.491
	12	1.542	1.549	1.551	—	—	—	—	—	—	—	—	—
	13	—	—	—	1.623	1.586	1.559	1.533	1.499	1.479	1.463	1.447	1.411
	14	1.058	1.086	1.105	1.120	1.130	1.146	1.183	1.223	1.273	1.319	1.350	1.367
	15	1.501	1.496	1.485	1.459	1.429	1.403	1.370	1.358	1.355	1.353	1.319	1.281
	16	1.386	1.383	1.388	1.401	1.391	1.390	1.397	1.411	1.419	1.441	1.458	1.464
	17	1.380	1.383	1.381	1.402	1.408	1.411	1.429	1.427	—	1.451	1.449	1.469
	18	1.630	1.618	1.611	1.597	1.571	1.565	1.558	1.556	—	—	—	1.563
	19	1.548	1.535	1.509	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	0.987	1.009	1.057	1.081	1.119	1.159	1.194	1.248
	21	1.537	1.559	1.570	1.572	1.566	1.569	1.571	1.579	1.599	1.608	1.609	1.612
	22	1.566	1.550	1.526	1.505	1.472	1.422	1.424	1.410	1.391	1.368	1.353	1.312
	23	1.578	1.602	1.605	1.608	1.633	1.629	1.636	1.638	—	1.683	1.689	1.676
	24	1.624	1.627	1.597	1.607	1.563	1.553	1.515	1.515	1.504	1.504	1.504	1.507
	25	1.396	1.428	1.426	1.416	1.419	1.424	1.446	1.464	1.478	1.524	1.547	1.568
	26	1.806	1.819	1.818	—	—	—	—	—	—	—	—	—
	27	—	—	—	1.919	1.922	1.924	1.941	1.950	1.972	1.985	1.996	1.995
	28	2.000	1.976	1.958	1.955	1.935	1.939	1.951	1.965	1.983	1.993	1.988	1.981
	29	1.784	1.781	1.751	1.746	1.734	1.732	1.714	1.702	1.690	1.690	1.697	1.692
	30	1.506	1.474	1.440	1.414	1.372	1.318	1.272	1.249	1.232	1.269	1.293	1.361
Hourly Means	1.5913	1.5892	1.5818	1.5756	1.5415	1.5311	1.5265	1.5292	1.5307	1.5484	1.5547	1.5610	
DECEMBER.	1	1.397	1.386	1.382	1.369	1.361	1.403	1.408	1.432	1.432	1.433	1.441	1.446
	2	1.592	1.617	1.614	1.640	1.665	1.677	1.707	1.729	1.754	1.787	1.798	1.778
	3	1.682	1.665	1.643	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.541	1.549	1.569	1.577	1.603	1.619	1.661	1.695	1.725
	5	2.025	2.030	2.039	2.054	2.063	2.064	2.060	2.062	2.074	2.092	2.111	2.119
	6	1.985	1.968	1.948	1.914	1.890	1.858	1.840	1.828	1.804	1.797	1.790	1.784
	7	1.804	1.800	1.792	1.772	1.760	1.734	1.719	1.716	1.712	1.706	1.693	1.691
	8	1.732	1.739	1.748	1.750	1.754	1.770	1.788	1.806	1.825	1.863	1.870	1.894
	9	1.987	1.980	1.980	1.971	1.960	1.953	1.943	1.937	1.933	1.937	1.942	1.932
	10	1.779	1.752	1.735	—	—	—	—	—	—	—	—	—
	11	—	—	—	1.346	1.296	1.270	—	1.230	1.204	1.194	1.182	1.164
	12	1.399	1.399	1.404	1.435	1.443	1.455	1.446	1.460	1.497	1.524	1.545	1.566
	13	1.881	1.894	1.897	1.900	1.888	1.890	1.892	1.915	1.926	1.958	1.964	1.971
	14	1.961	1.959	1.961	1.954	1.949	1.948	1.944	1.948	1.958	1.965	1.966	1.951
	15	1.987	1.998	1.992	1.990	1.984	1.980	1.980	1.986	1.992	2.014	2.014	2.040
	16	2.098	2.098	2.094	2.088	2.087	2.075	2.061	2.069	2.093	2.110	2.120	2.127
	17	2.112	2.097	2.093	—	—	—	—	—	—	—	—	—
	18	—	—	—	1.731	1.710	1.683	1.647	1.629	1.601	1.594	1.577	1.587
	19	1.708	1.713	1.711	1.700	1.687	1.691	1.696	1.699	1.709	1.739	1.742	1.742
	20	1.915	1.914	1.911	1.925	1.912	1.905	1.905	—	1.940	1.947	1.961	1.958
	21	1.874	1.856	1.837	1.802	1.773	1.742	1.706	1.698	1.671	1.667	1.648	1.625
	22	1.685	1.675	1.678	1.673	1.673	1.663	1.669	1.682	1.674	1.694	1.696	1.678
	23	1.589	1.606	1.608	1.616	1.626	—	1.644	1.667	1.705	1.735	1.761	1.778
	24	1.922	1.934	1.948	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.970	1.948	1.935	1.942	1.943	1.947	1.960	1.967	1.971
	26	1.981	1.974	1.964	1.945	1.926	1.920	1.921	1.917	—	1.946	1.960	1.947
	27	1.757	1.737	1.734	1.712	1.687	1.670	1.653	1.687	1.689	1.745	1.781	1.792
	28	1.954	1.962	1.976	1.979	1.970	1.962	1.976	1.980	1.994	2.012	2.017	2.015
	29	1.996	1.996	1.990	1.978	1.971	1.968	1.960	1.956	1.962	1.979	1.996	2.001
	30	2.045	2.045	2.047	—	—	2.005	2.002	1.989	1.986	1.989	1.993	1.994
Hourly Means	1.8403	1.8382	1.8356	1.7902	1.7813	1.7916	1.8034	1.7827	1.7880	1.8095	1.8165	1.8183	

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	
1.607	1.607	1.607	1.617	1.619	1.626	1.631	1.626	1.621	1.604	1.598	1.601	1.6158
1.655	1.644	1.650	1.654	1.644	1.641	1.651	1.667	1.703	1.724	1.731	1.753	1.6309
1.774	1.760	1.758	1.753	1.750	1.748	1.760	1.750	1.734	1.739	1.749	1.759	1.7518
1.673	1.641	1.631	1.615	1.608	1.607	1.600	1.609	1.620	1.618	1.611	1.603	1.6642
1.308	1.309	1.304	1.333	1.392	1.399	1.360	1.414	1.424	1.442	1.479	1.505	1.3867
1.733	1.740	1.729	1.729	1.739	1.737	1.754	1.750	1.769	1.792	1.805	1.825	1.6919
1.749	1.717	1.695	1.644	1.601	1.574	1.556	1.557	1.557	1.560	1.546	1.510	1.6985
1.367	1.364	1.350	1.356	1.362	1.412	1.430	1.463	1.485	1.529	1.558	1.595	1.3955
1.722	1.718	1.715	1.706	1.705	1.682	1.674	1.679	1.684	1.701	1.687	1.704	1.6707
1.482	1.468	1.450	1.418	1.428	1.446	1.492	1.468	1.473	1.478	1.489	1.515	1.5267
1.379	1.351	1.298	1.256	—	1.146	1.043	1.035	1.021	1.008	1.027	1.052	1.3417
1.393	1.416	1.419	1.430	1.436	1.456	1.467	1.475	1.477	1.495	1.485	1.498	1.3253
1.252	1.223	1.211	1.192	1.187	1.195	1.205	1.217	1.251	1.298	1.328	1.362	1.3221
1.472	1.478	1.472	1.461	1.460	1.450	1.444	1.420	1.393	1.372	1.367	1.383	1.4209
1.491	1.503	1.517	1.509	1.511	1.503	1.547	1.550	1.564	1.586	1.600	1.615	1.4820
1.558	1.562	1.547	1.560	1.533	1.548	1.542	1.544	1.539	1.542	1.537	1.549	1.5633
1.235	1.250	1.270	1.311	1.301	1.357	1.381	1.409	1.451	1.480	1.491	1.510	1.2997
1.622	1.630	1.629	1.616	1.600	1.569	1.573	1.566	1.557	1.557	1.562	1.565	1.5832
1.280	1.277	1.297	1.304	1.310	1.387	1.373	1.391	1.414	1.453	1.481	1.524	1.4079
1.681	1.677	1.679	1.669	1.643	1.631	1.615	1.617	1.635	1.657	1.651	1.636	1.6421
1.469	1.430	1.414	1.428	1.356	1.348	1.354	1.456	1.349	1.371	1.401	1.414	1.4754
1.595	1.610	1.637	1.661	1.682	1.673	1.686	1.700	1.721	1.742	1.756	1.787	1.5744
1.977	1.957	1.951	1.944	1.936	1.937	1.933	1.939	1.964	1.971	1.986	1.999	1.8559
1.946	1.926	1.900	1.877	1.850	1.825	1.807	1.783	1.774	1.774	1.768	1.776	1.9846
1.662	1.611	1.591	1.547	1.532	1.524	1.538	1.551	1.550	1.547	1.534	1.520	1.6425
1.344	1.314	1.299	1.310	1.295	1.294	1.281	1.304	1.298	1.352	1.372	1.392	1.3358
1.5548	1.5455	1.5392	1.5346	1.5392	1.5275	1.5268	1.5362	1.5395	1.5535	1.5615	1.5751	1.7437
1.456	1.454	1.439	1.449	1.450	1.460	1.470	1.476	1.525	1.536	1.548	1.579	1.4472
1.772	1.769	1.754	1.741	1.733	1.703	1.683	1.664	1.648	1.655	1.659	1.667	1.7002
1.749	1.761	1.783	1.808	1.825	1.843	1.869	1.891	1.919	1.953	1.981	2.003	1.7464
2.097	2.075	2.045	2.035	2.011	1.999	1.989	1.989	1.988	1.995	1.990	1.989	2.0415
1.760	1.752	1.743	1.741	1.732	1.719	1.715	1.725	1.743	1.753	1.771	1.793	1.8064
1.664	1.655	1.653	1.623	1.600	1.587	1.582	1.593	1.617	1.635	1.670	1.702	1.6867
1.900	1.905	1.915	1.909	1.915	1.924	1.923	1.921	1.930	1.939	1.950	1.972	1.8601
1.924	1.915	1.892	1.878	1.861	1.845	1.827	1.808	1.807	1.795	1.791	1.788	1.8994
1.143	1.127	1.122	1.120	1.162	1.195	1.224	1.260	1.300	1.325	1.341	1.369	1.2974
1.591	1.606	1.632	1.643	1.656	1.678	1.702	1.721	1.751	1.798	1.831	1.862	1.5852
1.955	1.930	1.909	1.892	1.879	1.879	1.891	1.896	1.911	1.929	1.944	1.955	1.9144
1.939	1.929	1.917	1.901	1.893	1.893	1.906	1.913	1.925	1.937	1.951	1.976	1.9393
2.036	2.045	2.035	2.032	2.033	2.019	2.015	2.013	2.037	2.050	2.067	2.081	2.0175
2.124	2.117	2.110	2.099	2.084	2.081	2.077	2.071	2.066	2.079	2.087	2.105	2.0925
1.550	1.557	1.558	1.539	1.576	1.607	1.621	1.635	1.649	1.651	1.667	—	1.6813
1.755	1.757	1.770	1.774	1.775	1.805	1.789	1.799	1.815	1.843	1.886	1.882	1.7578
1.953	1.961	1.950	1.943	1.933	1.923	1.915	1.903	1.895	1.899	1.900	1.885	1.9240
1.610	1.596	1.583	1.572	1.574	1.572	1.572	1.571	1.591	1.611	1.617	1.660	1.6678
1.673	1.670	1.638	1.624	1.595	1.607	1.587	1.597	1.595	1.607	1.604	1.594	1.6471
1.790	1.790	1.793	1.791	1.805	1.804	1.808	1.798	1.809	1.843	1.877	1.895	1.7451
1.961	1.949	1.936	1.925	1.924	1.927	1.929	1.928	1.931	1.944	1.959	1.973	1.9447
1.938	1.915	1.900	1.865	1.845	1.815	1.801	1.789	1.771	1.768	1.762	1.755	1.8837
1.799	1.811	1.813	1.833	1.820	1.831	1.832	1.854	1.863	1.883	1.910	1.938	1.7846
2.011	2.005	2.005	1.992	1.974	1.965	1.947	1.954	1.953	1.970	1.998	2.008	1.9825
1.984	1.990	2.013	1.994	1.997	1.995	1.995	1.991	1.992	2.009	2.022	2.034	1.9904
1.987	1.983	1.970	1.951	1.935	1.905	1.889	1.875	1.855	1.843	1.857	1.861	1.9548
1.8123	1.8086	1.8030	1.7952	1.7918	1.7916	1.7907	1.7937	1.8033	1.8173	1.8328	1.8530	1.8079

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	58.5	56.8	—	—	—	—	—	—	—	—	
	2	—	—	—	55.0	55.0	55.8	56.2	57.0	56.8	—	62.0	65.5
	3	65.6	64.2	63.5	62.4	61.5	59.0	58.0	57.5	56.6	57.5	61.5	62.5
	4	53.8	—	51.0	50.5	50.0	50.0	49.5	49.6	50.8	51.8	55.2	62.2
	5	52.0	50.8	49.0	48.0	47.2	46.2	45.2	45.8	46.5	48.5	54.5	59.0
	6	—	54.4	51.6	51.2	50.5	50.2	49.2	49.0	51.2	55.0	58.5	61.0
	7	58.5	57.8	56.8	55.8	54.0	53.0	53.0	52.6	53.8	56.6	60.2	64.8
	8	58.4	58.0	57.5	—	—	—	—	—	—	—	—	—
	9	—	—	—	50.5	50.2	50.0	49.4	49.0	48.0	50.2	53.5	56.5
	10	54.5	54.2	54.5	53.0	50.4	49.2	48.0	47.0	49.5	51.8	56.4	60.2
	11	58.5	57.5	54.5	53.2	51.5	51.0	49.8	49.0	48.8	51.5	56.5	60.5
	12	64.5	63.0	62.0	60.8	60.5	—	61.2	60.5	60.4	63.5	65.7	70.8
	13	65.5	63.5	62.5	—	62.0	61.0	59.0	56.6	55.8	57.8	60.8	64.5
	14	59.0	58.0	57.5	57.0	56.5	56.0	56.0	56.0	55.5	53.0	52.5	55.0
	15	48.6	48.2	48.0	—	—	—	—	—	—	—	—	—
	16	—	—	—	56.0	56.0	56.0	56.0	56.6	57.2	58.0	58.8	60.7
	17	54.8	53.8	52.5	51.0	50.8	48.5	47.4	46.0	45.8	50.5	53.5	56.5
	18	59.0	58.0	57.0	56.3	56.5	56.2	55.8	55.0	—	57.0	59.5	64.6
	19	62.5	61.2	59.0	57.0	56.0	56.0	54.8	55.0	56.0	57.4	61.8	66.6
	20	62.0	62.0	63.0	63.8	63.8	63.5	62.2	60.0	57.2	58.4	61.0	—
	21	62.2	59.2	56.0	53.8	50.8	49.8	49.2	48.5	49.0	52.0	55.0	61.2
	22	57.2	57.5	57.5	—	—	—	—	—	—	—	—	—
	23	—	—	—	62.8	62.2	61.5	60.8	59.8	59.5	61.5	64.5	65.6
	24	65.5	64.0	63.0	62.0	—	60.5	61.2	62.0	61.5	62.5	64.8	67.5
	25	60.5	60.5	60.5	60.0	—	58.5	56.4	54.0	52.7	56.0	60.0	62.5
	26	60.5	59.2	59.0	58.8	58.6	58.5	57.2	55.8	55.2	55.0	55.5	55.5
	27	54.6	54.5	54.2	53.0	52.0	51.2	50.2	—	50.0	50.6	52.0	53.8
	28	52.8	52.5	52.0	52.0	51.8	51.8	52.0	—	52.0	53.5	54.8	57.5
	29	55.8	55.2	55.2	—	—	—	—	—	—	—	—	—
	30	—	—	—	53.0	53.8	54.2	55.0	56.0	56.0	56.2	59.0	63.0
	31	56.8	56.5	56.5	56.5	56.2	56.0	55.5	55.2	55.0	56.5	58.2	60.0
Hourly Means	58.57	57.69	56.56	55.74	54.91	54.54	54.16	53.90	53.63	55.29	58.30	61.50	
FEBRUARY.	1	55.5	56.0	56.5	56.8	56.0	55.5	55.0	55.0	54.2	53.0	—	58.5
	2	61.2	60.5	58.5	58.5	58.5	58.4	57.6	56.0	55.0	55.5	60.0	63.5
	3	57.0	55.8	55.0	54.2	52.5	53.5	54.0	54.0	54.0	53.8	55.0	61.2
	4	60.0	59.5	58.5	57.0	56.8	56.5	56.0	55.5	55.5	57.2	59.8	65.0
	5	60.5	59.5	58.5	—	—	—	—	—	—	—	—	—
	6	—	—	—	71.0	69.5	69.5	69.0	69.5	70.4	72.8	75.2	—
	7	66.0	67.5	64.0	61.8	61.0	61.0	60.0	60.0	60.0	60.2	61.0	64.5
	8	61.2	60.5	60.0	60.0	58.0	57.8	57.5	57.0	—	59.0	60.5	64.0
	9	59.5	58.8	58.0	57.8	57.5	58.0	58.0	58.2	58.5	59.0	63.0	64.2
	10	60.5	61.0	61.0	61.0	61.0	61.0	61.0	60.8	60.0	59.0	60.5	63.0
	11	57.2	55.0	54.8	54.2	54.5	53.8	53.5	53.0	53.5	53.5	54.0	54.5
	12	53.8	52.2	51.0	—	—	—	—	—	—	—	—	—
	13	—	—	—	53.0	52.5	52.2	51.5	51.5	49.8	50.5	52.5	56.0
	14	57.8	57.5	57.2	57.0	—	54.2	52.0	52.5	53.0	54.5	56.2	60.6
	15	60.5	60.2	59.2	59.8	59.0	57.2	58.0	57.0	57.0	57.0	58.5	60.0
	16	58.8	58.0	57.2	57.0	56.2	56.0	55.5	55.2	55.2	56.0	56.5	61.2
	17	60.6	60.0	59.6	59.4	59.5	59.5	59.2	59.0	59.0	58.6	60.0	62.8
	18	65.0	64.5	63.5	62.2	60.5	58.0	57.0	56.0	56.0	56.0	56.0	56.0
	19	56.0	55.0	54.5	—	—	—	—	—	—	—	—	—
	20	—	—	—	53.2	53.1	52.5	52.2	52.0	52.0	51.8	52.5	53.8
	21	52.2	50.8	49.5	49.0	48.0	—	47.6	47.0	47.0	48.5	49.2	53.8
	22	62.5	60.0	58.5	59.0	57.5	56.2	54.5	—	53.5	54.5	57.8	60.0
	23	64.5	62.2	60.8	60.7	60.7	59.5	59.2	58.5	58.0	58.0	61.0	65.0
	24	69.2	69.5	70.0	69.5	68.5	68.0	67.0	67.0	67.0	67.0	67.2	68.4
	25	58.5	57.0	56.2	55.0	54.0	53.0	52.0	51.0	50.5	50.5	54.2	58.0
	26	59.0	59.0	59.0	—	—	—	—	—	—	—	—	—
	27	—	—	—	60.0	60.0	60.0	60.0	60.0	59.6	59.4	59.8	60.0
	28	57.0	57.5	57.8	58.0	58.0	58.5	58.5	58.8	59.2	59.8	61.2	64.2
Hourly Means	59.75	59.06	58.28	58.55	57.95	57.82	56.91	56.72	56.43	56.88	58.77	60.79	

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	
—	—	—	—	—	—	—	—	—	—	—	—	—
73.2	78.4	80.0	80.4	81.2	91.2	93.2	95.3	94.5	86.0	71.8	67.0	70.96
63.5	64.0	63.5	65.0	66.8	63.5	66.0	70.5	68.0	64.8	59.5	55.2	62.50
61.5	64.0	64.2	61.5	67.0	62.0	62.2	60.0	57.0	57.5	54.5	53.2	56.48
64.4	68.0	70.4	71.4	71.4	68.2	65.8	65.8	65.8	63.8	61.3	58.8	57.82
65.8	69.0	71.7	72.2	73.0	72.5	72.0	70.0	68.8	64.5	62.2	59.7	61.01
69.5	72.8	73.8	75.0	72.4	70.0	69.0	67.5	64.0	63.0	60.4	59.0	62.22
—	—	—	—	—	—	—	—	—	—	—	—	—
60.4	62.0	64.8	67.8	69.5	69.0	68.0	65.5	62.8	60.5	57.5	55.5	58.10
62.8	66.0	67.8	69.5	70.0	70.4	71.0	70.4	69.0	65.3	62.5	59.5	59.70
65.5	71.5	76.5	79.8	80.6	81.4	82.0	77.0	—	70.0	67.0	65.5	63.44
74.5	81.5	86.2	88.2	90.0	91.8	78.5	72.5	69.5	67.0	65.6	65.8	70.61
65.5	67.8	70.5	73.5	73.0	74.6	74.0	74.0	73.0	69.0	64.0	60.5	65.58
59.2	60.5	55.0	60.0	61.6	61.0	60.4	59.3	57.5	54.8	—	50.5	57.03
—	—	—	—	—	—	—	—	—	—	—	—	—
63.8	68.5	70.2	73.5	75.5	76.0	74.5	75.8	73.0	66.7	61.2	57.5	62.35
61.5	64.0	68.0	71.5	72.2	70.0	69.0	67.2	64.5	62.2	61.2	60.0	58.43
69.5	71.8	74.8	80.2	80.8	81.8	82.5	81.8	77.5	73.2	69.7	65.3	67.12
67.5	71.2	74.5	78.5	80.0	81.0	82.0	79.0	70.2	64.0	63.0	62.2	65.68
66.5	68.5	71.5	76.0	76.7	77.8	79.0	78.0	78.0	72.2	67.0	64.4	67.50
64.0	66.5	70.0	73.2	72.5	71.2	69.5	67.2	65.5	61.5	59.5	57.5	60.20
—	—	—	—	—	—	—	—	—	—	—	—	—
68.5	74.8	74.0	80.6	88.0	91.0	92.2	93.2	92.8	89.8	85.0	80.0	72.51
69.5	72.6	75.0	76.6	77.2	80.2	76.0	73.8	67.0	63.5	61.8	61.0	67.33
66.5	71.5	73.0	74.2	74.6	74.0	73.0	73.5	71.5	67.2	62.5	61.0	64.53
55.5	55.0	55.0	54.2	54.0	53.3	54.5	56.0	57.5	54.8	54.0	54.8	56.14
55.5	57.0	58.0	60.0	60.2	60.5	59.5	58.0	57.0	55.8	54.5	53.0	55.00
58.5	58.5	62.2	64.5	65.0	64.6	65.0	63.0	62.2	61.0	58.0	56.2	57.45
—	—	—	—	—	—	—	—	—	—	—	—	—
67.2	70.2	71.8	73.2	73.2	71.8	72.0	70.0	61.5	60.0	58.5	57.2	61.62
62.8	65.5	67.5	66.5	65.5	66.5	65.0	63.2	—	60.8	59.8	58.5	60.02
64.72	67.73	69.61	71.81	72.77	72.90	72.15	71.06	68.67	65.34	62.48	59.95	62.34
63.0	67.0	72.2	72.5	74.2	75.0	77.0	78.4	77.2	71.5	66.0	62.2	63.83
67.5	68.5	69.6	70.8	70.5	70.0	69.5	68.2	66.0	62.5	59.5	58.0	62.66
63.8	67.2	69.5	71.2	72.5	71.2	71.5	71.0	69.0	65.5	62.5	60.8	61.49
69.0	70.5	77.0	78.0	73.5	74.2	72.4	72.0	71.7	68.2	65.0	62.5	64.64
—	—	—	—	—	—	—	—	—	—	—	—	—
83.2	88.2	89.0	92.2	91.5	90.5	74.8	68.0	68.0	67.2	67.0	66.5	73.54
67.2	67.8	71.8	73.2	71.5	67.5	67.0	63.0	63.5	63.5	63.5	62.0	64.52
65.0	68.2	70.6	73.8	73.0	71.5	70.8	69.5	67.5	64.5	63.2	60.0	64.05
70.5	71.5	74.0	75.5	77.0	76.5	72.6	70.0	66.8	65.5	63.2	61.2	64.78
66.0	70.0	71.0	74.8	72.5	70.0	69.4	67.5	64.8	61.2	60.0	59.0	64.00
54.8	56.5	60.6	63.0	63.5	60.5	59.8	57.5	57.5	58.0	55.5	54.5	56.38
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	64.5	65.0	68.0	68.0	69.6	68.0	—	62.2	61.0	59.0	58.2	57.83
62.5	66.6	66.0	68.5	72.5	69.5	67.0	66.2	64.5	63.0	62.0	61.0	60.95
65.0	68.2	67.5	66.5	67.5	69.5	67.8	65.5	63.8	62.0	60.0	59.5	61.93
62.2	64.8	67.5	68.5	68.8	69.0	71.0	70.4	68.0	66.2	63.0	61.5	61.82
63.8	68.4	69.8	71.4	71.0	73.0	72.5	71.8	69.8	68.5	66.8	65.5	64.56
57.2	60.2	62.8	63.0	64.5	64.5	64.0	60.5	59.2	58.8	57.2	56.2	59.95
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	60.0	60.5	64.8	66.2	65.5	64.5	63.5	61.5	58.8	56.0	54.0	57.09
58.5	62.8	66.5	70.0	72.5	75.0	75.2	76.0	75.5	70.0	66.0	64.0	59.77
65.6	67.5	71.8	76.5	78.8	78.6	78.8	78.2	76.5	72.8	69.8	66.8	65.90
68.5	73.0	76.8	80.5	83.0	85.5	85.2	84.5	81.5	75.5	72.5	70.5	69.38
72.5	75.2	78.8	72.5	71.0	68.0	69.0	69.5	69.5	66.0	62.0	60.0	68.85
62.2	65.2	67.5	70.5	72.2	70.0	69.0	67.5	64.0	61.5	60.0	59.5	59.96
—	—	—	—	—	—	—	—	—	—	—	—	—
59.5	60.0	63.8	68.8	69.5	64.0	62.5	61.5	59.6	58.8	57.8	57.0	60.78
67.0	69.2	72.5	77.5	78.0	79.0	77.0	75.5	71.5	68.5	65.5	64.2	65.58
64.62	67.54	70.09	72.17	72.63	71.98	70.68	69.38	67.46	64.96	62.62	61.03	63.09

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	61.8	59.5	58.5	57.0	59.0	60.5	60.8	60.5	61.5	62.0	65.0	68.0
	2	60.8	59.5	58.5	57.5	57.0	57.0	57.0	56.5	56.0	55.6	57.8	61.5
	3	58.0	57.0	55.5	54.0	53.5	52.8	51.8	51.0	51.2	51.2	54.8	58.8
	4	55.0	55.0	54.5	54.0	52.5	51.8	50.5	50.0	48.0	49.0	51.0	54.2
	5	—	53.2	52.8	—	—	—	—	—	—	—	—	—
	6	—	—	—	55.5	55.2	55.2	55.2	55.0	54.5	52.8	54.5	57.2
	7	—	57.2	55.4	54.0	—	—	—	—	50.8	50.4	53.0	56.0
	8	61.0	58.5	56.5	55.5	55.0	54.5	55.0	55.5	56.2	58.0	59.2	60.6
	9	64.0	63.5	63.0	62.5	60.8	60.8	60.8	60.8	60.5	60.5	61.5	61.5
	10	56.0	54.5	53.5	53.8	53.0	52.8	52.6	53.0	52.5	53.2	54.5	57.0
	11	56.0	55.5	55.5	55.5	55.2	54.8	54.0	53.2	52.5	53.2	55.0	57.2
	12	57.0	56.8	55.0	—	—	—	—	—	—	—	—	—
	13	—	—	—	55.4	54.0	50.5	49.3	48.2	48.0	48.8	50.0	53.5
	14	56.2	56.0	55.5	—	51.0	50.0	49.0	48.2	47.2	48.5	50.4	54.8
	15	56.0	54.5	52.0	51.0	51.8	51.5	51.0	51.2	51.5	51.8	53.5	56.5
	16	49.5	48.5	46.5	45.2	44.5	44.5	44.0	43.8	42.5	42.2	44.2	47.5
	17	54.0	54.0	54.0	53.8	54.0	53.0	50.0	49.0	49.8	51.0	54.5	56.2
	18	53.8	51.5	52.0	50.4	49.4	49.4	49.0	50.8	51.0	52.5	54.0	55.0
	19	55.0	54.0	53.0	—	—	—	—	—	—	—	—	—
	20	—	—	—	54.8	57.0	—	57.2	57.2	57.0	58.2	58.2	58.4
	21	54.5	54.0	53.5	53.2	52.2	50.5	48.5	47.5	46.7	46.2	47.0	59.0
	22	53.0	52.5	52.5	53.5	53.5	54.0	52.8	52.5	51.2	50.8	52.8	56.0
	23	54.8	54.2	54.5	54.5	54.5	54.8	54.0	54.0	52.9	53.0	55.5	57.0
	24	53.5	53.0	52.0	51.3	51.2	51.2	51.0	51.2	51.0	50.5	50.2	53.5
	25	49.2	48.4	47.0	46.2	45.0	44.8	44.5	44.0	44.0	44.0	46.0	50.4
	26	57.0	56.5	56.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	56.5	56.5	56.5	56.5	56.3	56.0	55.8	55.5	57.0
	28	56.0	55.8	54.5	55.5	55.8	—	53.8	53.0	51.4	52.0	54.0	57.0
	29	55.4	54.2	54.2	54.5	55.0	54.0	54.0	53.5	53.5	53.8	55.5	56.4
	30	64.5	64.0	63.5	62.5	63.0	65.2	66.0	66.0	65.2	64.0	63.2	64.5
	31	60.0	59.6	59.5	59.6	59.5	59.2	58.8	58.5	57.5	58.0	58.0	59.5
Hourly Means	56.48	55.59	54.78	54.51	54.20	53.72	53.35	53.09	52.60	52.93	54.40	56.86	
APRIL.	1	52.8	52.6	52.5	52.0	51.8	51.5	49.5	47.0	47.0	47.4	47.8	48.5
	2	51.0	49.0	48.4	—	—	—	—	—	—	—	—	—
	3	—	—	—	48.2	48.2	48.0	47.5	46.0	47.0	45.5	46.2	48.5
	4	59.8	58.8	55.5	—	51.8	51.0	50.2	49.0	49.0	49.3	51.0	52.4
	5	47.2	47.0	46.5	47.0	47.0	47.0	46.5	50.0	49.5	48.8	48.2	49.8
	6	50.0	49.8	48.8	47.8	47.5	47.6	47.8	48.1	48.0	47.5	47.5	50.3
	7	44.5	45.0	46.5	47.0	48.0	47.5	47.5	47.5	48.0	50.2	51.2	53.0
	8	54.0	54.0	53.5	53.0	52.5	51.0	50.4	49.6	48.0	48.5	49.5	51.5
	9	56.0	55.2	54.4	—	—	—	—	—	—	—	—	—
	10	—	—	—	43.5	43.0	43.2	43.2	42.8	42.0	42.0	42.4	45.4
	11	43.8	43.5	42.0	42.0	41.5	41.0	40.0	40.2	40.8	41.5	41.8	45.0
	12	45.5	46.0	46.4	46.0	45.2	46.5	48.5	—	48.0	50.0	50.5	52.5
	13	55.0	53.5	53.0	52.5	52.5	52.2	51.2	50.0	49.4	49.6	49.8	50.8
	14	59.0	57.2	56.0	55.0	54.5	54.0	53.2	51.8	52.0	52.2	53.2	54.0
	15	49.0	48.6	47.8	47.0	45.8	47.0	46.8	45.5	45.0	44.5	45.0	48.0
	16	53.5	53.0	53.0	—	—	—	—	—	—	—	—	—
	17	—	—	—	47.6	46.8	46.5	46.0	44.8	42.5	42.8	42.2	44.0
	18	50.5	50.0	50.0	49.2	48.0	46.2	45.8	45.0	45.0	46.2	47.2	48.2
	19	49.8	49.8	49.8	49.5	49.5	49.0	48.4	48.0	47.0	47.5	47.8	50.0
	20	49.8	48.4	47.5	47.2	48.0	48.0	48.0	48.0	47.0	46.5	45.0	48.4
	21	49.5	49.5	49.8	49.5	49.4	47.5	45.8	45.8	46.0	47.5	46.1	47.0
	22	50.5	50.5	50.2	49.8	49.0	48.4	48.2	48.0	47.8	47.8	47.7	—
	23	53.2	53.5	53.5	—	—	—	—	—	—	—	—	—
	24	—	—	—	52.2	—	53.2	54.5	54.5	53.0	51.0	51.0	51.2
	25	49.8	49.0	49.5	48.8	48.5	48.5	48.0	47.8	47.0	47.6	48.2	49.0
	26	58.8	55.0	55.8	56.5	55.2	53.0	51.6	49.0	48.8	48.5	48.0	48.5
	27	44.0	43.0	43.0	43.2	43.5	43.8	44.0	44.0	42.5	42.0	42.0	43.2
	28	44.8	45.2	45.0	44.8	44.5	44.6	45.0	46.5	46.0	46.6	48.0	49.0
	29	55.0	55.0	54.5	54.0	53.2	53.0	53.0	52.8	52.0	51.2	51.2	53.2
	30	50.8	50.5	50.0	—	—	—	—	—	—	—	—	—
	May 1	—	—	—	55.0	55.2	55.5	56.0	56.2	56.2	56.4	56.6	57.8
Hourly Means	51.05	50.48	50.12	49.13	48.80	48.64	48.33	47.92	47.48	47.64	47.89	49.57	

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	
74.2	78.0	81.0	72.8	77.2	77.8	71.8	71.5	70.0	66.2	63.2	63.5	66.72
64.5	67.5	70.8	74.2	76.5	74.0	74.6	73.0	70.0	64.8	61.5	59.5	63.57
64.0	67.5	69.5	72.5	72.2	72.5	65.0	63.0	58.8	55.5	55.0	55.0	59.17
57.2	58.0	61.0	62.0	63.5	63.0	60.5	58.5	57.0	55.0	54.2	54.0	55.39
—	—	—	—	—	—	—	—	—	—	—	—	60.57
60.0	63.5	66.2	68.0	70.0	71.2	70.3	70.0	68.8	65.0	61.0	58.0	—
59.2	64.2	67.2	71.0	72.8	74.8	75.5	74.8	72.5	68.0	64.0	62.2	—
65.5	68.2	70.8	73.5	75.0	76.0	74.5	71.0	68.5	66.2	65.0	64.5	63.51
68.0	70.0	73.5	74.5	78.4	74.2	68.2	66.2	65.8	60.8	58.0	57.0	64.78
61.0	64.5	68.4	70.0	71.0	73.5	70.5	72.5	69.5	64.0	61.0	58.5	60.45
61.0	60.5	67.0	70.0	72.0	70.0	70.6	69.0	67.0	63.0	58.0	57.0	60.11
—	—	—	—	—	—	—	—	—	—	—	—	56.82
58.5	62.2	63.6	64.0	64.8	64.5	64.5	64.0	60.5	57.5	56.5	56.5	—
59.0	63.5	67.2	70.5	69.0	64.0	61.2	61.5	59.6	58.2	57.0	57.0	57.15
58.2	57.5	56.5	57.5	60.2	61.0	62.0	60.8	57.0	54.0	51.8	50.0	54.95
51.2	55.2	58.0	60.5	63.5	64.8	64.8	63.0	60.0	57.2	55.5	54.0	52.11
59.5	61.8	66.5	64.5	66.5	65.5	64.0	62.5	60.0	57.5	55.5	55.0	57.17
57.0	62.0	66.0	69.0	69.8	72.4	71.8	69.7	66.2	61.5	59.0	56.2	58.31
—	—	—	—	—	—	—	—	—	—	—	—	59.20
59.5	61.5	63.8	63.5	66.0	66.0	64.5	62.5	62.5	60.0	56.5	55.2	—
57.4	60.2	62.5	64.8	67.2	66.4	67.0	64.5	61.6	58.0	55.5	54.6	55.98
58.5	61.8	66.0	68.3	70.5	73.0	74.0	74.0	68.0	63.5	59.0	56.5	59.51
60.0	65.5	63.0	62.2	61.6	61.4	61.5	60.8	59.8	57.5	56.0	54.5	57.48
57.0	60.0	61.0	62.5	61.8	61.4	61.8	59.8	57.4	55.4	53.2	51.0	55.08
52.2	55.7	60.5	63.8	65.0	65.8	62.8	61.8	60.0	57.6	57.0	56.5	53.01
—	—	—	—	—	—	—	—	—	—	—	—	58.67
59.5	61.5	64.0	63.2	64.0	65.5	63.8	61.4	—	57.2	56.5	56.4	—
61.0	64.8	66.0	66.8	66.5	67.5	66.5	65.8	63.2	61.2	58.5	56.5	59.27
61.8	66.5	70.5	74.2	78.2	79.5	75.0	71.8	68.0	66.4	65.5	64.5	62.33
65.2	65.0	66.0	66.8	66.2	65.4	70.0	69.0	65.5	63.5	62.2	61.0	64.89
59.0	58.2	57.5	—	58.0	59.0	60.0	58.5	56.0	54.0	53.0	52.8	51.99
60.34	63.14	65.70	67.33	68.42	68.52	67.29	65.96	63.58	60.32	58.11	56.94	59.14
50.5	55.5	58.8	61.2	64.2	68.0	67.0	64.2	59.8	57.0	54.5	53.0	54.75
—	—	—	—	—	—	—	—	—	—	—	—	54.86
50.3	55.5	59.0	63.8	66.5	67.0	68.0	66.2	63.5	61.5	61.2	60.6	—
55.0	58.0	60.0	60.5	62.5	63.5	60.0	58.5	56.6	54.0	51.2	48.8	55.06
54.5	57.0	59.5	61.0	61.2	61.2	58.0	54.2	52.5	51.5	51.2	50.5	51.95
53.3	53.2	53.0	54.2	53.5	53.5	53.0	52.5	50.5	49.0	47.0	45.4	49.95
54.8	59.5	59.5	61.5	63.5	63.0	63.0	63.0	60.6	58.0	56.5	55.5	53.93
53.0	57.0	60.5	63.5	65.0	65.5	66.2	66.0	64.4	61.2	59.8	58.0	56.48
—	—	—	—	—	—	—	—	—	—	—	—	46.96
46.0	47.8	50.0	52.5	53.5	53.5	47.5	46.0	45.2	44.0	44.0	44.0	—
48.0	49.0	51.2	51.6	52.8	53.0	53.3	51.8	50.4	49.0	47.0	47.0	46.13
55.5	58.0	61.8	64.5	63.8	64.2	64.8	62.8	61.5	58.5	57.2	56.2	54.52
53.5	57.8	61.5	65.8	70.2	69.0	66.5	65.0	63.5	61.8	61.2	60.5	57.32
57.2	60.0	61.5	62.5	63.5	61.8	62.0	59.0	55.0	52.8	51.0	50.0	56.18
51.0	53.8	56.5	60.9	64.8	64.0	63.8	63.0	60.0	59.3	54.8	54.2	52.75
—	—	—	—	—	—	—	—	—	—	—	—	50.50
48.0	51.0	54.0	58.2	59.5	60.2	57.5	55.3	53.6	51.5	50.0	50.6	—
49.5	53.0	57.2	59.4	60.5	60.5	59.5	56.5	53.0	51.2	50.0	50.2	51.32
52.2	55.0	57.5	59.5	59.0	60.0	58.5	56.5	54.5	52.2	51.2	50.5	52.20
50.6	54.6	58.0	59.5	60.6	59.5	57.8	55.5	54.0	53.0	52.5	50.0	51.56
50.0	53.0	57.0	58.0	60.0	61.8	62.0	58.5	55.5	53.8	52.5	52.0	51.98
52.8	56.0	59.5	62.5	65.0	67.0	65.2	60.5	56.8	55.2	54.0	53.0	54.15
—	—	—	—	—	—	—	—	—	—	—	—	53.94
52.0	56.5	57.2	58.0	56.0	58.5	58.2	55.8	54.0	52.0	51.2	50.5	—
51.5	52.8	54.2	55.0	57.2	59.5	60.0	59.0	57.5	56.5	56.0	56.0	52.37
48.4	50.0	52.0	55.0	57.8	57.6	54.2	51.6	48.5	47.0	45.2	44.5	51.69
45.8	48.2	50.0	52.4	51.0	50.8	50.5	49.8	48.0	46.2	44.0	43.8	45.78
51.5	54.0	55.2	56.5	61.2	60.5	60.0	60.0	58.0	57.2	57.0	56.5	51.57
56.0	57.5	57.6	60.4	60.4	61.0	61.2	60.2	56.2	53.0	51.5	51.2	55.18
—	—	—	—	—	—	—	—	—	—	—	—	55.47
58.0	—	56.0	57.5	58.0	59.0	57.5	56.2	54.8	54.0	53.0	55.5	—
51.88	54.55	56.85	59.05	60.43	60.89	59.82	57.98	55.69	53.86	52.49	51.85	52.62

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	
MAY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	56.0	55.5	55.4	54.0	53.5	51.2	50.0	48.4	48.2	—	49.5	51.0
	3	57.5	56.5	55.5	54.5	54.2	54.5	55.5	56.0	55.5	55.0	54.5	54.4
	4	56.2	55.5	54.5	53.2	52.0	51.0	51.0	52.0	51.5	51.0	51.5	52.0
	5	57.5	57.5	57.5	55.5	55.2	53.0	51.4	49.8	48.0	47.8	47.5	48.0
	6	45.0	45.0	45.0	44.6	45.5	47.5	48.2	47.2	47.0	47.5	48.2	49.0
	7	47.5	47.5	47.0	—	—	—	—	—	—	—	—	—
	8	—	—	—	49.4	49.3	49.2	48.0	47.2	47.5	47.0	46.0	46.0
	9	50.5	50.0	50.0	50.0	49.6	49.2	48.8	48.8	48.8	49.0	49.0	50.5
	10	53.0	52.5	51.8	51.0	51.0	51.0	50.8	51.0	50.0	49.4	48.8	48.5
	11	41.0	40.6	40.0	40.5	41.0	41.0	41.2	41.8	42.0	42.5	43.6	44.0
	12	48.6	48.4	48.4	48.4	49.0	—	50.5	52.2	53.5	52.5	52.0	54.0
	13	54.0	55.0	55.5	56.2	55.0	53.5	54.0	53.2	52.5	52.0	52.5	52.5
	14	43.8	42.5	41.2	—	—	—	—	—	—	—	—	—
	15	—	—	—	44.0	43.5	42.8	42.0	—	41.0	40.8	40.2	41.5
	16	47.5	46.8	46.8	46.0	45.2	45.0	44.0	42.5	42.2	41.8	41.2	43.0
	17	51.5	51.2	51.0	50.5	50.2	49.7	49.2	48.8	48.5	48.4	48.5	48.5
	18	48.0	47.4	48.0	48.0	47.5	46.8	46.0	45.5	44.0	43.0	42.5	42.5
	19	48.6	48.5	48.5	48.5	47.5	47.5	47.8	48.0	47.8	47.8	48.0	50.2
	20	54.8	55.0	55.0	54.0	53.8	54.0	54.5	54.5	52.8	51.5	49.5	49.5
	21	47.2	47.0	46.0	—	—	—	—	—	—	—	—	—
	22	—	—	—	45.5	45.5	46.0	46.2	46.0	46.0	46.0	45.5	45.0
	23	41.5	40.0	40.0	39.0	39.0	39.0	39.0	38.8	38.5	38.6	38.5	40.0
	24	39.5	39.8	39.4	39.4	39.8	41.5	42.8	43.5	44.2	44.8	45.0	46.0
	25	48.0	47.8	48.0	47.5	47.0	46.2	46.0	47.2	47.6	47.5	47.4	47.0
	26	46.5	46.0	45.5	45.5	45.8	46.0	46.2	46.2	46.5	46.8	47.2	48.0
	27	52.8	52.2	51.8	51.6	51.5	51.0	51.0	51.2	50.5	50.0	49.0	48.8
	28	46.6	45.2	44.0	—	—	—	—	—	—	—	—	—
	29	—	—	—	51.8	51.8	51.6	51.5	51.5	50.5	49.5	49.5	49.2
	30	47.8	47.3	—	45.6	45.5	45.0	45.0	45.5	49.0	51.5	51.5	51.5
	31	49.8	49.8	49.4	49.2	—	48.4	49.5	51.0	51.0	51.0	51.0	50.5
Hourly Means	49.26	48.87	48.61	48.59	48.36	48.06	48.08	48.31	47.87	47.71	47.60	48.12	
JUNE.	1	47.0	46.0	46.0	45.8	45.0	44.0	43.0	42.0	—	41.0	40.8	41.5
	2	50.0	49.0	49.0	49.2	48.0	47.5	46.6	45.2	—	44.0	44.0	44.8
	3	51.2	51.8	52.0	51.6	51.5	51.6	50.5	49.8	49.8	49.8	50.0	50.2
	4	47.0	45.0	44.5	—	—	—	—	—	—	—	—	—
	5	—	—	—	44.8	45.2	—	44.8	46.0	46.8	46.8	47.2	48.0
	6	50.5	49.8	49.5	49.2	48.5	48.0	48.2	47.4	47.0	46.6	46.4	45.5
	7	46.2	45.4	45.0	44.5	44.0	43.5	43.2	42.0	41.0	40.8	40.5	41.5
	8	38.5	38.5	38.5	38.5	—	38.0	37.8	37.0	36.8	37.0	37.5	37.5
	9	40.5	39.5	39.0	39.5	40.0	39.5	39.0	39.5	39.8	39.8	40.4	43.0
	10	43.8	44.0	44.0	44.0	44.5	45.0	45.0	45.5	47.5	48.0	47.5	47.5
	11	—	44.0	44.0	—	—	—	—	—	—	—	—	—
	12	—	—	—	42.0	42.0	41.5	41.0	41.0	40.5	40.2	39.8	40.0
	13	—	36.2	36.0	36.2	36.6	36.8	37.0	37.5	38.5	39.2	38.8	38.6
	14	50.0	50.0	50.2	50.5	—	52.2	53.2	53.8	55.0	54.2	54.5	55.0
	15	53.0	52.0	52.0	51.5	51.0	50.8	51.0	51.5	51.6	51.6	51.8	51.8
	16	48.0	48.0	47.5	47.0	46.5	46.0	45.2	45.7	44.8	44.0	44.0	44.0
	17	47.0	47.0	47.3	47.3	47.0	46.8	47.0	47.5	48.5	49.0	48.6	49.0
	18	51.0	51.5	51.8	—	—	—	—	—	—	—	—	—
	19	—	—	—	51.5	51.5	51.5	51.5	51.5	51.8	51.5	51.5	51.8
	20	47.8	47.5	47.0	46.8	42.0	41.8	41.0	40.5	39.8	39.5	39.6	41.0
	21	43.0	43.0	43.4	43.8	43.8	44.2	44.5	44.8	45.0	45.0	45.3	46.0
	22	41.2	40.0	39.0	38.8	38.6	38.6	38.5	38.5	40.5	40.5	40.5	41.0
	23	36.2	37.5	38.0	37.5	38.5	39.0	39.0	39.4	41.0	40.5	41.0	41.5
	24	38.8	39.0	38.2	37.5	—	38.2	37.5	38.0	37.3	37.0	36.3	36.2
	25	39.4	39.2	39.2	—	—	—	—	—	—	—	—	—
	26	—	—	—	38.8	38.2	—	35.8	34.4	33.8	33.0	33.0	33.0
	27	35.2	35.0	34.8	34.4	34.6	34.4	33.4	33.2	33.0	32.4	32.2	32.8
	28	42.4	42.4	42.4	42.0	42.0	41.8	41.8	41.8	41.0	40.8	42.0	42.0
	29	46.8	45.2	44.4	44.8	43.8	43.0	42.2	41.6	41.2	40.2	39.0	38.4
	30	38.8	38.0	37.2	37.5	37.0	36.5	36.2	36.0	36.5	37.0	37.0	37.2
Hourly Means	44.72	44.01	43.84	43.65	43.47	43.34	42.84	42.73	42.85	42.67	42.66	43.03	

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	56.0	58.5	60.8	59.5	59.3	60.3	59.6	59.0	57.2	57.5	58.0	55.32
55.0	60.6	65.3	71.5	72.5	73.2	71.2	69.5	66.0	61.2	59.0	57.2	60.24
55.0	57.8	60.5	61.0	62.5	62.2	61.2	60.0	58.0	57.2	57.0	57.0	55.87
50.0	50.0	52.0	52.0	51.8	51.8	50.5	48.2	46.6	47.0	46.0	45.0	50.82
49.4	50.8	54.2	56.0	55.2	54.5	53.8	52.8	51.0	49.5	48.8	48.0	49.32
—	—	—	—	—	—	—	—	—	—	—	—	—
49.0	50.5	51.0	53.2	55.0	53.8	53.0	52.8	52.0	51.0	50.5	50.8	49.76
52.5	54.5	56.8	58.4	59.5	59.0	59.5	57.0	55.2	54.0	53.8	53.0	52.81
48.8	49.8	51.5	53.5	53.2	52.8	49.0	46.0	43.0	41.8	41.0	41.0	49.17
45.5	47.8	52.4	53.5	55.5	56.5	56.0	53.6	52.0	51.0	49.8	49.0	46.74
56.2	57.5	59.0	59.5	60.5	61.2	59.8	58.0	56.0	54.0	53.5	53.8	54.20
55.0	56.5	55.0	52.0	51.5	52.2	52.2	52.0	50.5	48.6	47.0	45.2	52.65
—	—	—	—	—	—	—	—	—	—	—	—	—
43.4	45.8	49.0	52.0	52.5	53.8	53.5	52.8	51.5	49.8	49.2	48.8	46.32
45.8	47.5	49.5	52.5	55.0	56.2	57.0	55.2	52.5	50.8	50.5	51.2	48.15
48.8	49.5	49.5	51.5	52.9	53.2	53.4	53.0	52.0	50.5	50.0	49.5	50.41
45.0	47.5	50.0	53.0	55.5	56.5	56.2	55.0	53.0	50.5	49.8	49.0	48.76
51.5	54.5	58.5	60.0	60.2	58.5	58.0	57.0	56.5	55.5	54.8	54.8	52.44
49.8	50.0	51.0	51.0	50.7	50.5	—	49.8	48.8	48.4	48.0	47.8	51.51
—	—	—	—	—	—	—	—	—	—	—	—	—
44.5	45.2	45.8	46.6	47.0	47.0	46.0	45.0	44.0	43.2	43.0	42.2	45.47
43.0	44.2	46.0	44.8	45.0	45.0	45.8	43.6	41.7	40.6	40.0	40.0	41.32
47.7	50.2	52.8	55.0	55.5	54.5	52.5	51.0	50.0	49.0	48.5	48.2	46.69
48.0	50.8	53.0	54.5	55.5	55.0	54.2	52.6	50.5	49.2	48.0	47.0	49.40
49.2	51.8	54.2	55.5	55.2	55.2	57.0	55.2	53.5	53.5	53.2	53.2	50.12
49.0	50.2	51.8	53.0	53.5	54.2	52.5	50.2	49.0	48.0	47.0	46.8	50.69
—	—	—	—	—	—	—	—	—	—	—	—	—
52.2	54.2	55.0	56.0	56.0	55.0	54.0	52.8	50.7	49.8	49.0	48.6	51.08
52.8	54.0	55.0	55.8	56.2	55.8	55.0	52.5	50.5	49.8	49.0	49.8	50.50
53.2	—	57.0	58.0	59.0	63.5	58.0	54.5	51.8	50.4	48.8	47.4	52.37
49.78	51.49	53.63	55.02	55.63	55.78	55.18	53.45	51.74	50.44	49.72	49.32	50.45
—	—	—	—	—	—	—	—	—	—	—	—	—
44.0	44.6	46.5	48.0	49.5	50.8	52.4	50.8	48.5	48.0	48.0	50.0	46.23
45.5	47.4	50.3	54.7	57.2	58.5	58.8	57.5	55.2	54.5	54.0	52.5	50.58
52.0	54.0	53.8	54.5	58.0	58.5	56.5	53.8	51.2	49.5	49.0	48.0	52.02
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	48.5	49.0	50.0	50.0	52.8	53.2	53.5	52.2	52.0	51.6	51.0	48.57
46.5	49.0	51.5	53.5	54.0	54.5	53.4	50.6	49.5	49.0	47.5	46.5	49.25
43.2	44.2	45.0	45.0	43.5	42.7	42.8	41.8	40.8	40.6	41.0	39.5	42.82
38.4	40.8	42.8	45.0	45.5	45.5	44.2	43.0	41.8	41.6	42.2	41.8	40.36
43.2	42.5	43.5	43.0	43.2	43.0	43.2	44.8	44.0	44.0	43.0	43.5	41.68
47.4	47.5	47.3	47.8	46.5	45.5	45.0	44.4	44.2	44.0	44.2	44.5	45.61
—	—	—	—	—	—	—	—	—	—	—	—	—
40.5	42.0	44.0	45.5	46.5	47.0	47.0	45.0	42.2	40.0	38.6	38.0	42.27
41.0	43.2	46.0	47.8	49.7	51.0	50.4	49.8	49.5	49.5	49.5	50.0	42.99
55.8	56.3	57.4	57.2	56.2	54.8	54.2	54.0	53.8	53.8	53.5	54.5	53.92
52.5	53.2	54.5	55.5	56.5	56.5	55.5	53.4	51.4	49.7	48.0	47.2	52.23
45.5	47.5	49.0	51.0	52.2	52.5	51.5	50.5	49.8	48.6	48.2	47.8	47.70
50.2	51.8	52.2	53.5	54.8	55.2	55.2	53.5	52.0	51.2	51.0	51.0	50.15
—	—	—	—	—	—	—	—	—	—	—	—	—
52.5	53.0	52.8	55.0	56.6	57.0	55.6	53.2	51.0	50.0	50.0	49.0	52.25
42.8	45.3	47.5	47.2	47.5	48.5	48.0	46.5	45.0	43.8	43.2	43.4	44.29
47.5	50.2	51.4	51.8	52.5	51.5	50.2	47.5	45.5	44.5	42.2	41.0	46.15
43.0	45.0	46.0	46.0	45.8	45.8	44.0	42.7	40.0	37.8	36.8	36.5	41.05
43.0	43.0	42.0	44.0	44.2	44.0	43.8	42.5	40.8	39.2	38.2	37.2	40.46
38.0	40.0	42.0	44.0	45.0	43.8	44.0	44.0	40.2	39.0	39.0	39.2	39.66
—	—	—	—	—	—	—	—	—	—	—	—	—
34.5	36.0	38.0	40.2	41.2	42.0	43.8	42.0	40.2	38.2	36.0	35.5	37.63
34.0	35.8	38.0	41.4	43.8	44.6	44.4	44.4	43.8	43.0	43.0	42.4	37.66
41.4	40.6	41.0	43.0	45.8	47.5	48.6	48.5	48.4	47.0	48.0	47.2	43.72
39.5	40.2	43.0	44.7	45.2	46.0	46.8	45.0	44.0	42.5	41.2	39.5	42.84
39.0	40.5	44.0	47.5	48.5	47.8	47.0	45.8	44.2	43.3	42.8	42.5	40.74
44.17	45.47	46.87	48.34	49.21	49.51	49.21	48.02	46.51	45.55	44.99	44.58	45.12

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	42.5	42.5	42.5	42.5	42.5	42.4	42.4	42.2	41.8	41.6	41.2	41.4
	2	39.0	39.0	39.2	—	—	—	—	—	—	—	—	—
	3	—	—	—	54.0	54.0	54.0	54.0	54.0	53.8	53.5	53.5	53.2
	4	43.0	43.0	42.6	42.4	42.4	42.2	43.0	43.0	43.0	43.2	43.5	44.2
	5	44.8	44.4	43.8	43.0	42.8	43.5	43.5	43.5	44.0	44.0	43.5	44.0
	6	40.0	39.5	39.5	39.0	39.8	40.0	40.2	40.0	40.0	40.0	40.0	40.6
	7	46.0	46.0	45.6	45.2	45.4	45.3	45.2	44.7	44.2	44.2	45.0	45.0
	8	48.0	47.5	47.0	46.8	47.0	46.4	45.8	45.5	—	46.0	45.5	45.0
	9	51.5	50.2	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	44.0	44.0	43.8	43.8	43.8	43.6	43.5	42.8	42.8
	11	41.7	42.0	42.6	43.0	43.5	43.6	43.8	44.2	45.0	43.6	44.4	45.0
	12	48.4	47.8	47.5	47.8	48.5	48.0	47.8	48.2	48.4	49.0	49.5	49.8
	13	—	43.5	43.2	42.5	42.4	42.4	42.0	42.0	42.5	42.5	42.8	43.2
	14	44.5	44.0	43.8	43.0	42.5	42.0	41.5	41.0	41.0	40.5	39.8	39.5
	15	43.2	42.8	42.5	42.0	42.0	42.0	42.0	41.6	41.5	41.4	41.0	41.2
	16	43.0	43.4	43.5	—	—	—	—	—	—	—	—	—
	17	—	—	—	42.0	42.0	41.2	40.5	40.5	40.0	39.0	39.0	39.0
	18	41.5	40.8	40.5	40.5	40.0	40.0	40.0	40.0	40.0	40.0	40.5	41.0
	19	44.0	44.6	44.8	45.0	44.4	43.8	43.4	43.0	42.2	43.2	43.5	44.0
	20	51.8	52.0	52.2	52.4	52.5	52.6	52.8	53.0	52.8	52.8	52.6	55.5
	21	50.4	49.8	49.4	48.6	47.8	47.0	46.0	45.0	44.8	44.8	45.4	45.8
	22	44.8	44.2	44.0	43.5	43.0	42.5	42.5	42.8	42.0	42.0	41.0	41.5
	23	48.0	47.6	47.4	—	—	—	—	—	—	—	—	—
	24	—	—	—	43.2	41.2	40.2	40.0	40.0	39.3	39.0	38.8	38.4
	25	38.4	38.0	38.0	38.0	37.3	37.0	36.2	35.8	34.8	35.0	35.0	35.5
	26	45.0	45.0	45.0	45.5	46.2	46.5	47.0	48.0	49.2	49.8	49.2	49.0
	27	45.5	45.0	44.8	44.5	44.5	44.8	44.4	43.8	44.0	43.2	42.5	43.8
	28	39.0	39.0	39.0	38.4	38.0	37.4	36.8	36.0	36.2	36.8	37.5	38.5
	29	38.6	39.0	39.0	39.5	39.5	39.6	39.5	39.5	39.5	39.5	39.2	40.0
	30	38.0	37.5	37.5	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	34.5	34.2	33.9	33.8	33.2	32.2	32.8	33.4
Hourly Means	44.02	43.77	43.39	43.85	43.37	43.17	43.00	42.88	42.67	42.74	42.67	43.09	
AUGUST.	1	42.0	41.0	40.5	40.0	39.2	39.4	39.0	38.5	—	38.2	38.0	39.4
	2	45.2	44.6	43.8	43.5	42.8	42.0	41.5	41.8	41.8	41.4	40.8	41.2
	3	48.0	48.0	47.8	47.4	—	47.0	46.4	46.3	46.8	47.0	46.5	46.5
	4	45.5	44.5	43.2	43.0	44.4	44.0	44.8	44.8	46.0	45.8	45.0	45.2
	5	40.8	41.0	41.2	41.2	41.2	41.2	41.4	41.5	41.6	41.8	41.8	41.8
	6	44.4	45.0	46.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	40.8	39.8	39.2	39.2	38.8	39.0	39.4	40.0	40.8
	8	40.2	39.5	39.0	38.5	39.2	39.0	39.2	39.5	39.0	39.4	39.4	41.7
	9	43.5	42.5	42.0	41.2	41.0	40.8	40.0	40.0	39.0	38.2	37.0	37.5
	10	39.5	38.5	37.5	37.8	37.5	37.4	37.1	37.0	37.0	37.5	38.0	38.0
	11	41.5	41.8	41.6	41.5	41.2	41.0	38.5	36.5	35.8	35.4	35.0	35.5
	12	43.8	43.5	44.0	44.2	43.6	43.4	43.0	42.2	41.8	42.2	42.5	42.8
	13	47.0	46.0	46.0	—	—	—	—	—	—	—	—	—
	14	—	—	—	44.4	44.8	44.2	44.0	43.8	43.8	43.8	43.8	43.7
	15	49.5	49.2	49.2	49.2	49.5	50.0	50.0	50.2	49.5	48.8	48.8	49.8
	16	54.0	53.6	52.6	52.0	51.8	51.0	50.2	49.5	—	—	48.0	49.0
	17	40.2	40.2	40.0	39.8	39.0	39.0	39.0	38.5	38.5	38.8	39.2	41.8
	18	45.2	45.2	44.5	44.2	44.0	44.0	44.5	45.0	45.0	44.9	45.7	46.8
	19	42.4	41.2	40.4	39.5	39.0	38.4	37.8	37.0	36.2	36.2	36.0	38.4
	20	43.2	41.5	40.5	—	—	—	—	—	—	—	—	—
	21	—	—	—	38.5	38.3	38.0	37.8	37.8	37.0	37.2	37.5	38.5
	22	46.0	46.4	46.6	47.0	47.0	47.5	47.5	47.2	—	47.0	46.6	46.2
	23	47.0	47.2	46.8	46.8	46.2	46.5	46.5	46.2	46.0	46.0	46.4	46.6
	24	47.8	47.5	47.5	47.2	—	46.5	46.0	45.8	44.5	43.5	43.0	44.2
	25	46.4	45.0	44.0	43.8	44.0	43.2	42.8	42.5	41.2	41.0	40.0	41.8
	26	52.2	51.8	51.5	50.5	—	48.6	47.0	46.0	45.0	44.4	43.8	45.2
	27	50.2	49.8	49.6	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	37.2	37.4	38.0	38.5	39.2	39.8	40.0	42.2
	29	43.5	42.2	41.2	41.8	41.8	41.0	41.0	41.2	41.0	40.8	40.5	40.2
	30	43.2	43.0	43.0	41.8	40.8	39.5	38.5	37.4	—	36.5	36.5	38.5
	31	47.0	46.4	46.4	46.4	46.8	46.4	44.5	44.5	45.0	46.2	47.0	48.4
Hourly Means	45.16	44.67	44.31	43.54	42.50	42.80	42.41	42.15	41.73	41.58	41.73	42.66	

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	
42.0	42.5	43.2	44.0	45.2	45.0	44.8	44.5	43.8	42.0	40.6	39.0	42.59
—	—	—	—	—	—	—	—	—	—	—	—	48.65
52.5	51.0	49.0	49.2	48.0	47.6	47.0	45.8	45.0	44.4	43.8	43.2	45.22
47.0	47.8	48.8	49.2	48.8	48.4	48.4	47.7	46.6	46.2	45.8	45.0	42.92
44.0	43.0	42.8	42.5	44.0	45.0	42.5	40.8	40.4	40.0	40.2	40.0	43.06
41.5	42.5	44.8	47.0	47.5	48.0	48.0	48.0	47.2	47.0	47.0	46.4	47.72
46.2	48.0	50.8	51.0	51.2	53.0	53.0	52.2	50.7	49.6	49.3	48.6	50.27
45.2	49.0	54.0	56.8	57.8	57.5	56.5	55.8	54.5	53.5	53.0	52.2	44.98
—	—	—	—	—	—	—	—	—	—	—	—	46.67
45.0	46.0	47.0	47.5	46.5	46.7	46.8	45.7	44.0	42.4	42.0	41.2	47.98
47.2	49.0	50.0	50.3	50.5	51.0	51.8	51.5	50.5	49.0	48.5	48.5	45.30
47.5	47.5	48.0	48.8	49.2	49.5	49.0	48.2	47.2	46.2	45.0	44.8	44.16
44.0	45.2	47.8	49.0	50.5	50.8	50.7	49.5	47.8	46.5	46.0	45.0	45.09
41.8	43.8	46.0	47.5	48.5	49.8	49.0	48.5	47.2	46.2	44.5	44.0	43.79
42.5	44.8	47.5	50.0	52.0	53.0	53.0	52.0	49.8	47.0	44.5	42.8	43.63
—	—	—	—	—	—	—	—	—	—	—	—	46.84
40.7	42.8	—	47.8	49.8	51.5	51.8	50.0	47.8	45.5	43.8	42.5	54.14
41.8	—	45.2	47.5	48.5	49.0	49.2	49.2	48.4	47.8	46.5	45.5	47.49
45.0	46.2	47.6	48.8	50.2	50.5	51.4	51.0	51.8	52.0	51.8	52.0	45.85
53.2	53.6	56.6	58.6	59.8	59.0	58.0	56.0	55.0	53.5	52.5	50.6	42.34
45.5	46.5	47.5	49.5	50.6	51.4	50.5	49.8	47.5	46.2	45.0	45.0	40.64
43.5	45.8	48.2	51.0	50.5	51.0	51.0	50.6	49.8	48.7	48.4	48.0	48.48
—	—	—	—	—	—	—	—	—	—	—	—	44.77
40.5	42.0	43.5	43.5	45.5	45.2	46.0	45.0	42.5	40.8	39.5	39.0	39.07
36.5	37.6	39.4	43.5	46.9	48.0	48.8	48.8	47.8	47.0	46.5	45.5	41.05
49.2	49.3	51.2	52.2	51.5	51.5	51.8	50.8	49.2	48.5	47.0	46.0	39.20
45.0	46.2	47.2	48.2	49.0	49.0	49.0	46.0	42.6	41.0	40.5	40.0	43.99
39.2	40.8	41.2	41.8	42.8	42.2	41.8	40.2	39.0	38.5	38.5	39.2	45.30
41.5	42.5	43.2	44.8	45.8	44.8	45.2	43.8	42.5	40.0	39.5	39.2	44.55
—	—	—	—	—	—	—	—	—	—	—	—	45.09
35.8	39.2	42.5	44.2	46.5	47.5	47.8	47.2	—	44.0	43.4	42.4	41.16
43.99	45.30	46.92	48.24	49.12	49.46	49.32	48.41	47.14	45.88	45.12	44.45	46.26
41.5	43.6	47.0	49.8	51.5	52.8	53.2	52.2	49.0	48.0	46.8	45.2	49.48
42.8	45.8	48.8	51.0	53.4	54.0	54.5	53.0	50.8	49.2	48.5	48.0	44.90
47.2	49.8	52.5	54.6	55.2	55.5	55.2	54.0	52.0	49.8	48.0	46.5	43.47
45.8	46.8	47.8	47.8	46.8	46.0	45.0	44.0	43.5	43.0	42.8	42.2	43.78
42.8	43.5	44.8	46.5	47.0	47.8	47.4	47.0	46.2	45.3	45.0	—	44.65
—	—	—	—	—	—	—	—	—	—	—	—	43.59
42.2	44.5	48.0	49.0	49.5	—	51.0	49.5	48.2	46.8	44.0	41.8	40.36
43.5	46.2	49.5	52.5	54.0	55.0	54.5	52.5	50.4	48.2	47.0	44.8	42.03
39.0	42.0	46.0	49.0	51.0	52.7	53.0	52.0	49.0	45.7	43.0	41.0	47.30
39.0	41.3	43.8	45.5	45.5	45.5	45.0	43.8	43.0	41.8	40.8	40.8	47.55
37.8	41.5	43.5	46.5	46.6	47.6	48.8	49.0	47.2	45.5	45.0	44.5	53.34
47.5	49.2	51.4	53.8	54.8	56.4	55.5	53.5	51.7	49.5	47.4	47.4	50.28
—	—	—	—	—	—	—	—	—	—	—	—	44.12
44.5	46.5	48.5	51.2	53.8	54.0	53.5	52.8	51.5	50.5	49.6	49.5	46.62
52.6	56.4	59.0	61.8	59.8	58.6	58.0	57.8	56.5	55.9	55.5	54.5	43.67
51.0	51.8	55.7	56.0	53.0	53.0	51.5	48.8	46.0	44.0	42.4	41.2	41.95
44.0	46.5	48.5	50.5	51.5	52.0	51.8	51.0	49.2	47.6	46.4	45.8	48.01
48.2	49.5	50.0	50.0	50.6	51.0	50.8	49.0	47.2	45.5	44.2	43.8	48.62
41.5	45.2	48.2	51.6	52.8	54.0	54.0	52.8	50.0	47.0	45.0	43.5	49.04
—	—	—	—	—	—	—	—	—	—	—	—	48.34
40.2	42.5	44.4	44.2	46.5	47.4	47.5	46.8	46.0	45.6	45.0	45.0	50.96
46.6	47.5	48.7	50.2	51.8	51.5	50.8	49.8	49.0	48.2	47.7	47.5	45.45
47.8	49.8	51.4	52.0	53.0	53.0	53.0	52.2	51.0	49.2	48.2	48.0	44.06
46.6	49.5	51.5	54.4	56.5	55.5	55.5	54.2	52.2	50.5	49.6	48.5	44.78
44.2	47.0	50.8	54.8	56.8	58.4	59.8	57.8	55.2	54.0	53.2	52.4	50.16
47.5	50.2	52.2	54.0	55.4	57.0	57.2	58.0	56.5	54.0	52.8	51.2	44.55
—	—	—	—	—	—	—	—	—	—	—	—	44.06
45.0	48.2	49.2	52.2	53.0	51.5	50.5	49.8	48.5	46.2	45.0	44.4	44.78
42.5	46.5	48.0	48.4	49.5	50.5	50.5	49.2	46.8	44.4	42.0	43.0	50.16
42.0	44.8	48.0	51.0	—	54.7	54.7	54.8	51.5	49.2	48.2	47.6	46.17
49.6	51.2	53.9	56.2	56.4	57.0	57.5	56.8	55.2	53.5	51.0	50.5	44.55
44.55	46.94	49.30	51.28	52.14	52.78	52.58	51.56	49.75	48.08	46.82	46.10	46.17

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 ^a	49.8	49.8	49.8	49.2	—	—	—	45.0	44.8	45.0	45.8	
	2	46.2	47.0	47.2	47.5	47.0	46.8	46.3	45.8	45.5	45.0	44.8	
	3	48.4	48.0	47.6	—	—	—	—	—	—	—	—	
	4	—	—	—	38.8	38.2	37.4	37.2	37.0	36.4	36.5	36.6	39.0
	5	45.5	44.8	43.8	43.2	43.5	43.5	43.7	43.7	43.5	43.0	43.0	44.0
	6	47.2	47.0	46.8	46.2	—	46.0	46.2	45.2	44.0	43.5	44.2	46.4
	7	47.5	46.4	47.5	44.5	43.8	42.8	43.0	42.2	42.0	42.0	42.6	43.0
	8	52.2	51.6	51.2	50.2	49.0	48.0	47.6	46.8	44.9	44.0	45.5	47.8
	9	49.2	47.7	46.5	45.5	44.0	43.0	42.5	43.5	44.0	45.0	45.5	47.0
	10	49.5	49.2	48.4	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	47.2	47.2	47.3	47.0	47.0	47.0	47.4	47.5
	12	49.5	49.6	49.8	49.6	49.4	50.0	49.8	49.5	49.0	49.0	49.4	49.8
	13	49.8	49.8	49.8	48.6	48.0	48.2	48.4	48.0	47.0	47.5	48.0	49.7
	14	49.5	49.0	48.8	48.0	47.6	47.6	47.4	47.2	47.0	46.7	46.8	49.2
	15	50.0	49.6	49.2	50.0	50.5	50.0	49.5	49.2	—	48.5	50.0	53.0
	16	50.8	50.8	50.5	50.5	50.2	50.2	50.2	50.0	50.0	50.0	50.2	52.0
	17	49.6	48.0	47.0	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	49.8	49.5	49.0	49.8	49.8	49.0	50.2	52.0
	19	49.8	49.5	49.0	48.8	48.0	47.8	47.0	46.0	45.8	45.3	47.5	50.8
	20	51.0	49.2	48.5	47.5	47.2	46.5	46.8	46.3	45.8	45.2	47.0	50.0
	21	50.0	49.2	48.4	49.0	49.2	49.6	49.6	49.8	50.0	50.0	50.0	51.2
	22	55.6	57.4	58.0	57.6	58.8	59.0	58.0	58.2	59.8	59.0	60.0	62.6
	23	55.0	54.0	52.5	50.0	48.6	47.8	47.0	46.0	45.0	44.5	46.4	50.8
	24	54.0	53.6	53.6	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	49.0	48.8	49.0	49.0	49.4	50.0	51.8	54.0
	26	56.2	55.6	55.2	54.8	54.5	54.0	53.5	53.0	52.6	51.6	52.8	55.0
	27	57.8	56.8	55.6	54.0	53.2	52.2	51.2	50.5	51.8	52.2	55.2	58.0
	28	50.0	49.5	48.5	47.0	46.0	46.5	46.2	46.0	45.2	45.0	46.2	47.8
	29	50.4	48.6	47.2	46.0	45.4	45.6	45.8	46.5	—	45.8	47.0	48.8
	30	49.2	49.0	48.8	47.8	47.8	47.0	46.4	46.0	45.0	45.5	47.4	50.0
	Hourly Means	50.53	50.03	49.59	48.45	48.16	47.80	47.54	47.29	46.90	46.75	47.71	49.74
OCTOBER.	1	46.4	46.0	45.2	—	—	—	—	—	—	—	—	
	2	—	—	—	40.4	40.2	40.0	40.2	39.2	38.8	38.4	40.8	45.8
	3	48.0	47.8	47.6	47.0	46.7	45.7	45.5	45.3	45.6	46.0	47.4	48.2
	4	51.6	51.8	51.8	51.4	51.0	51.5	51.5	52.5	53.8	56.2	57.8	63.4
	5	49.0	44.0	47.0	49.0	49.0	49.4	50.2	51.6	52.0	52.5	55.0	58.5
	6	48.2	47.2	47.0	47.0	46.8	—	46.2	45.2	43.5	43.5	45.5	48.5
	7	41.8	41.6	41.4	41.2	41.0	40.8	39.7	39.0	38.6	39.0	41.8	45.4
	8	49.0	48.0	48.5	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	45.4	45.2	44.6	44.4	44.0	44.6	46.0	49.5
	10	53.5	52.4	51.6	50.6	49.0	48.0	47.0	45.2	—	—	47.2	51.0
	11	50.0	50.0	49.5	49.5	49.8	49.4	48.2	47.0	46.4	45.8	49.0	52.2
	12	54.4	53.6	52.2	51.0	49.4	49.2	49.0	48.5	47.5	48.5	51.0	53.0
	13	48.0	47.2	45.6	44.4	43.8	43.5	43.5	43.2	—	43.2	43.8	44.8
	14	40.8	40.8	40.6	40.8	41.2	41.4	41.2	41.2	—	41.2	44.8	47.0
	15	46.2	46.0	45.4	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	45.0	45.0	45.0	44.8	44.6	44.6	44.8	45.6
	17	42.2	41.6	41.4	41.8	41.8	41.0	40.0	39.2	38.8	39.7	42.6	47.3
	18	42.0	41.2	40.4	39.4	39.0	39.0	40.0	40.0	40.0	40.2	42.5	46.5
	19	45.2	44.5	44.0	43.8	43.0	43.0	43.0	43.0	42.4	42.2	45.6	49.0
	20	39.6	39.5	40.4	41.0	41.6	39.8	39.8	39.0	38.5	38.8	40.2	44.2
	21	45.4	45.8	45.6	44.2	44.0	44.2	43.2	42.0	41.0	41.0	42.0	—
	22	44.0	44.0	42.8	—	—	—	—	—	—	—	—	—
	23	—	—	—	48.0	47.6	47.6	47.2	47.2	47.0	47.0	47.4	49.4
	24	49.2	49.0	49.0	49.0	—	49.4	49.4	49.6	50.0	50.5	50.8	51.0
	25	51.0	49.5	50.0	50.5	51.0	51.0	50.5	50.2	50.2	50.4	51.4	52.2
	26	50.5	49.4	48.5	47.2	46.4	46.0	45.4	45.0	45.2	42.8	49.0	51.2
	27	46.2	45.0	45.0	43.6	43.8	42.6	41.8	40.5	40.0	40.0	42.5	47.0
	28	48.8	48.0	45.8	44.8	44.6	45.5	45.0	44.0	43.4	45.6	47.4	50.6
	29	54.0	52.5	52.0	—	—	—	—	—	—	—	—	—
	30	—	—	—	51.8	51.4	51.4	51.2	50.0	49.0	50.5	54.6	57.5
	31	55.5	54.8	54.0	52.8	51.2	49.8	49.0	48.6	48.0	49.6	53.0	56.0
Hourly Means	47.71	46.97	46.63	46.26	45.75	45.58	45.28	44.82	44.71	44.87	47.07	50.19	

^a Omitted in the daily 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	
49.8	51.0	55.5	54.5	53.5	54.2	54.6	53.6	51.8	49.8	48.5	46.6	—
50.5	52.8	54.2	56.2	55.7	—	53.6	52.5	51.8	50.2	49.8	49.0	49.28
—	—	—	—	—	—	—	—	—	—	—	—	44.38
41.8	45.5	47.8	49.8	51.0	52.0	52.5	51.8	50.0	48.4	47.0	46.4	47.97
46.6	49.4	53.0	54.8	56.0	56.6	56.4	54.7	52.8	49.8	48.6	47.5	48.66
49.0	51.2	52.2	54.5	53.2	52.0	52.6	52.5	51.5	50.2	48.8	48.8	48.88
45.5	49.0	52.2	56.2	—	59.5	58.5	57.4	56.5	55.0	54.0	53.2	52.32
52.0	55.5	58.0	60.2	61.3	61.1	60.7	57.3	55.6	53.0	51.7	50.4	49.02
49.0	51.2	53.0	54.2	54.8	55.2	56.5	54.5	53.0	51.8	50.5	49.5	48.63
—	—	—	—	—	—	—	—	—	—	—	—	50.33
48.0	48.5	48.8	49.4	50.0	50.0	50.0	50.0	49.8	49.7	49.8	49.8	51.30
50.7	50.7	51.8	51.7	51.5	52.5	52.0	51.5	51.0	50.5	49.8	49.8	51.65
52.0	53.5	55.0	56.0	58.0	57.5	56.0	54.5	53.0	52.0	51.0	50.0	52.85
52.0	53.8	57.0	58.2	59.0	58.5	58.0	57.0	55.6	53.8	52.0	50.0	53.77
53.5	56.5	57.3	58.0	57.5	58.2	57.6	56.6	54.8	53.0	51.8	51.2	52.96
54.6	56.8	58.5	58.5	59.5	61.0	61.0	60.4	58.0	54.0	52.2	50.5	53.51
—	—	—	—	—	—	—	—	—	—	—	—	53.01
53.4	56.1	59.0	60.4	60.8	59.8	58.2	57.0	55.0	53.0	51.2	50.4	53.88
54.0	56.8	59.5	61.6	64.0	65.0	66.0	61.0	58.2	55.5	54.4	53.0	60.61
52.2	55.0	58.8	62.2	66.0	66.5	65.8	62.2	55.5	53.8	52.5	50.8	55.52
52.6	54.2	57.4	60.5	62.0	63.4	62.8	60.0	58.0	56.0	55.5	54.8	56.46
65.8	62.8	60.0	60.8	64.0	66.0	67.0	66.5	63.2	60.3	57.8	56.5	58.73
54.8	58.6	62.2	65.2	68.0	70.0	68.4	68.0	62.4	57.2	56.0	54.2	57.19
—	—	—	—	—	—	—	—	—	—	—	—	51.94
56.8	60.5	62.2	63.0	64.6	64.8	66.0	65.0	61.8	58.0	57.2	56.6	51.45
57.2	59.5	61.5	64.5	67.0	68.8	68.0	67.8	65.4	62.8	60.0	58.2	50.45
60.0	62.2	68.8	64.2	65.6	64.8	63.0	60.8	57.5	54.5	52.2	50.5	—
49.0	53.8	56.4	58.5	61.0	61.5	62.2	61.0	57.6	55.6	53.6	52.4	—
50.8	54.0	56.2	58.2	59.4	58.6	60.8	60.2	56.2	51.8	50.2	49.8	—
53.0	54.0	56.4	56.8	57.4	54.4	55.8	56.0	52.0	49.4	48.2	47.4	—
52.10	54.34	56.64	58.00	59.23	59.68	59.38	58.07	55.69	53.43	52.09	51.05	52.14
—	—	—	—	—	—	—	—	—	—	—	—	46.54
48.8	52.0	52.6	51.4	54.0	54.0	53.4	52.2	50.8	49.8	48.6	48.0	52.07
50.6	52.6	55.0	57.6	60.7	62.2	63.8	62.6	60.3	56.5	54.0	53.0	56.13
67.2	67.2	63.5	59.5	59.0	57.5	58.5	59.0	57.6	53.0	51.0	49.8	55.43
60.0	60.5	63.2	64.2	64.8	65.2	65.2	61.0	59.8	56.8	52.5	50.0	47.73
51.2	51.6	50.6	54.6	53.4	51.8	50.8	48.5	47.0	44.5	42.8	42.4	47.58
48.4	51.4	53.6	55.5	56.5	55.5	58.6	60.5	57.0	53.0	50.6	50.0	53.15
—	—	—	—	—	—	—	—	—	—	—	—	53.07
52.0	53.6	56.6	59.6	61.8	64.2	66.5	66.8	62.5	58.4	56.6	54.6	55.17
54.5	56.5	58.5	59.4	61.4	59.2	58.2	58.0	54.6	51.6	50.2	50.0	53.13
57.0	59.0	62.0	63.2	66.4	65.8	65.0	64.8	62.2	59.4	57.0	55.6	46.46
54.6	57.0	58.6	60.0	61.8	56.2	55.8	55.4	55.2	53.2	50.8	49.2	46.57
47.2	51.2	53.0	55.0	50.0	49.8	50.5	49.0	44.4	43.2	42.5	41.8	47.17
48.5	50.0	52.0	55.5	53.2	52.6	52.4	52.4	50.6	49.0	47.2	46.8	46.74
—	—	—	—	—	—	—	—	—	—	—	—	47.00
48.2	51.2	47.5	49.0	51.0	47.2	50.2	53.2	53.2	49.2	45.0	43.0	46.45
51.0	56.0	54.2	57.0	59.6	52.6	54.4	52.4	53.0	47.2	44.5	42.5	43.84
50.6	52.3	55.6	57.2	58.0	57.5	56.8	55.2	52.5	49.2	46.8	46.0	45.56
51.6	54.5	56.0	55.2	51.0	50.8	50.2	46.8	45.0	43.0	41.0	41.0	49.47
43.2	43.8	45.0	45.0	47.4	50.6	50.8	51.0	52.0	49.0	46.5	45.5	51.50
44.6	46.6	47.6	50.0	50.6	49.4	49.2	49.4	47.5	45.5	44.6	44.4	53.35
—	—	—	—	—	—	—	—	—	—	—	—	50.72
50.2	52.8	53.9	55.2	57.0	54.6	53.2	51.8	50.6	49.8	49.5	49.5	48.87
52.2	52.6	52.8	53.4	54.4	54.5	53.5	53.5	53.5	53.0	52.2	52.0	52.47
52.4	54.5	57.8	58.8	61.2	—	61.0	59.5	56.0	53.6	52.5	51.8	56.75
53.8	55.0	57.5	56.0	55.8	55.8	55.2	56.4	55.2	52.5	49.5	48.0	56.25
50.6	52.8	54.8	56.8	58.0	59.0	58.4	58.5	56.2	51.5	49.2	49.0	—
53.5	57.0	58.8	60.5	61.0	59.8	59.2	61.0	61.8	60.4	57.0	55.8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	63.6	66.2	66.0	65.8	66.0	61.0	58.5	58.5	57.2	56.8	56.4	—
59.2	62.0	64.8	63.5	62.0	63.2	63.3	62.8	60.2	57.2	55.6	54.0	—
52.36	54.51	55.83	56.89	57.53	56.60	56.73	56.16	54.51	51.80	49.79	48.85	50.36

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	53.0	51.8	51.0	50.6	50.8	51.0	51.2	52.0	52.2	52.8	54.0	57.2
	2	53.8	53.8	53.6	51.8	50.5	50.5	49.8	49.6	50.0	52.5	55.0	57.2
	3	54.0	52.8	52.0	51.8	51.5	51.0	50.6	50.2	—	51.4	53.0	53.8
	4	56.0	54.5	54.0	53.2	57.8	51.6	49.8	48.8	48.5	50.0	52.8	55.6
	5	51.0	50.8	49.8	—	—	—	—	—	—	—	—	—
	6	—	—	—	51.5	51.0	50.2	51.0	52.5	53.0	53.4	55.2	57.4
	7	48.2	48.0	48.0	48.0	47.3	47.0	47.0	47.0	—	48.5	50.5	55.5
	8	52.6	52.0	51.8	51.0	50.5	50.2	49.8	49.2	49.0	51.2	54.8	58.5
	9	58.0	57.5	57.5	58.0	60.0	63.0	62.5	63.0	—	60.8	63.0	65.2
	10	54.5	53.6	53.2	53.0	52.2	52.0	51.8	51.6	51.8	53.8	57.5	60.5
	11	58.8	56.9	56.4	55.4	55.0	54.8	54.8	54.8	55.0	57.5	58.2	61.2
	12	52.5	51.5	50.5	—	—	—	—	—	—	—	—	—
	13	—	—	—	49.5	49.2	49.4	48.6	48.2	50.2	50.5	54.8	56.8
	14	60.0	58.8	57.4	55.6	53.8	52.8	52.0	51.5	51.0	53.0	54.2	55.0
	15	57.8	56.5	55.5	55.0	54.5	54.0	53.2	53.2	53.0	56.8	60.2	65.6
	16	58.2	56.5	55.2	57.0	53.4	52.6	52.0	51.6	51.6	53.6	55.8	58.0
	17	48.6	47.8	47.0	46.6	46.4	46.5	46.6	45.5	—	46.4	49.0	51.2
	18 ^b	45.8	45.5	45.5	45.6	46.3	46.3	47.0	47.2	—	—	—	50.8
	19	53.0	52.0	51.5	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	48.8	48.5	48.5	48.2	47.5	48.2	50.2	52.4
	21	51.0	50.8	50.2	50.2	50.0	50.0	50.0	50.0	50.0	53.2	56.0	58.6
	22	62.0	61.0	60.0	59.0	59.2	58.2	57.0	56.8	56.0	55.0	56.0	59.5
	23	59.4	58.2	57.0	55.6	54.5	53.0	52.8	53.0	—	53.5	53.0	53.5
	24	52.0	52.0	52.0	52.0	51.5	51.5	51.5	51.0	49.8	49.6	49.4	49.4
	25	46.0	46.0	45.2	44.8	44.0	44.6	43.6	44.2	44.8	45.0	47.0	50.0
	26	47.6	46.8	45.8	—	—	—	—	—	—	—	—	—
	27	—	—	—	54.0	52.8	51.5	51.0	50.2	50.8	52.0	54.8	58.2
	28	55.0	55.5	55.4	55.2	54.8	54.6	54.0	54.0	54.5	55.5	57.0	59.5
	29	61.4	60.4	59.0	59.2	63.0	64.2	64.8	63.2	63.0 ^a	64.0	66.0	68.6
	30	63.6	62.6	62.5	62.5	62.0	61.5	60.2	59.0	59.2	61.0	65.2	70.4
Hourly Means	54.38	53.60	52.96	53.04	52.72	52.33	51.97	51.75	51.47	53.17	55.30	57.68	
DECEMBER.	1	58.6	57.8	57.0	55.6	55.2	54.0	53.0	52.0	51.5	52.8	56.0	57.8
	2	51.2	50.0	49.6	49.8	49.8	49.5	49.5	49.6	49.8	51.5	54.4	58.0
	3	54.8	52.8	51.5	—	—	—	—	—	—	—	—	—
	4	—	—	—	49.4	48.6	47.4	47.0	47.6	47.5	49.5	49.8	50.0
	5	47.6	46.6	44.8	44.0	42.8	42.8	42.6	42.0	42.6	45.2	48.8	54.0
	6	51.8	50.8	49.8	50.0	50.5	51.0	50.5	50.5	51.2	52.4	53.6	56.4
	7	50.5	50.0	49.2	49.0	48.4	48.0	47.4	47.0	47.5	49.0	51.0	56.0
	8	53.4	51.8	51.6	50.6	50.5	50.2	50.0	50.4	50.5	52.0	53.0	57.0
	9	54.5	54.0	53.8	53.8	53.2	53.5	53.0	53.0	53.6	54.8	57.2	60.0
	10	55.4	54.0	53.2	—	—	—	—	—	—	—	—	—
	11	—	—	—	60.2	59.0	58.0	—	58.0	58.8	60.0	63.0	66.0
	12	54.8	53.0	52.2	51.8	51.0	51.0	49.6	49.0	49.6	51.6	53.2	55.4
	13	52.5	51.2	50.0	49.8	49.2	49.0	48.2	47.6	48.0	51.0	53.8	58.5
	14	55.0	54.0	52.8	50.8	50.2	49.5	49.0	49.0	49.8	52.5	57.0	61.2
	15	56.0	55.5	55.5	55.0	55.0	55.0	54.8	54.6	54.8	55.2	56.0	56.8
	16	57.6	57.8	57.6	57.4	57.6	57.6	56.6	57.0	57.4	57.5	59.0	60.0
	17	59.6	59.6	59.6	—	—	—	—	—	—	—	—	—
	18	—	—	—	68.2	67.0	66.2	65.5	65.0	64.6	64.4	66.0	69.4
	19	61.5	61.0	60.2	60.0	58.6	57.8	56.4	55.0	54.8	57.8	59.8	62.5
	20	57.8	57.0	56.8	56.2	55.0	54.0	53.0	—	52.5	55.2	58.5	59.5
	21	54.8	54.5	54.0	50.8	50.0	50.0	50.0	49.2	49.8	50.8	52.2	52.8
	22	51.4	50.6	50.2	49.4	48.8	48.0	47.6	48.0	48.6	50.0	53.8	57.0
	23	58.2	58.0	58.2	58.0	57.2	—	56.0	54.0	53.0	54.5	58.0	58.0
	24	56.0	54.6	54.5	—	—	—	—	—	—	—	—	—
	25	—	—	—	57.2	57.2	55.8	53.6	52.0	52.2	55.2	59.0	62.8
	26	57.6	56.8	56.4	57.0	56.2	55.5	54.2	53.0	—	56.0	58.0	62.2
	27	63.8	63.2	63.2	63.8	64.0	65.0	66.0	65.0	63.2	64.8	63.4	66.0
	28	54.4	53.8	52.8	56.0	50.0	50.0	49.5	49.5	50.5	51.0	53.5	54.5
	29	54.6	54.6	54.6	54.2	51.4	50.5	49.8	48.8	48.5	52.0	56.6	58.0
	30	53.5	53.0	52.8	—	—	53.0	52.8	52.5	52.5	53.4	54.8	56.6
Hourly Means	55.27	54.46	53.92	54.32	53.46	52.89	52.22	51.97	52.11	53.85	56.13	58.71	

^a Omitted in the means.

^b Omitted in the daily 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	
61.5	66.0	67.5	65.2	63.8	62.2	60.2	57.8	56.4	55.2	54.2	53.8	56.31
60.4	62.0	62.8	65.2	67.0	69.0	67.5	67.8	64.2	59.5	55.8 ^a	54.6	57.75
57.5	62.0	64.5	67.5	66.8	67.0	67.5	67.0	65.4	62.8	60.5	57.2	58.16
59.0	62.0	64.0	63.5	62.2	59.6	57.6	56.4	55.4	54.2	52.2	50.5	55.38
—	—	—	—	—	—	—	—	—	—	—	—	—
59.2	60.8	63.2	64.2	64.6	62.5	61.5	61.8	59.0	55.0	51.6	49.6	55.82
59.0	59.8	60.5	60.8	61.0	64.2	63.2	61.8	61.8	58.0	55.0	53.8	54.52
61.0	63.8	66.8	70.0	73.8	77.5	73.2	71.8	67.8	63.0	60.4	59.0	59.53
64.6	64.8	66.0	68.0	67.8	68.5	71.2	71.0	68.0	63.5	59.0	56.4	63.36
62.2	64.0	66.0	67.0	70.0	71.0	72.0	72.0	67.0	64.0	61.4	60.2	60.10
64.0	67.2	68.8	70.2	69.2	67.8	63.8	62.8	60.8	59.0	56.2	54.0	60.11
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	57.5	57.8	58.0	—	57.0	59.2	59.2	61.5	62.5	60.0	61.2	54.90
62.8	60.4	63.2	65.4	68.2	69.8	72.4	72.2	72.0 ^a	67.8	62.2	60.2	59.99
70.5	74.8	77.0	78.6	80.0	78.5	79.5	77.2	72.0	68.2	63.0	60.8	64.81
60.0	61.0	61.8	64.2	64.6	64.8	61.0	62.6	58.5	56.2	54.0	50.2	57.27
53.6	53.2	54.8	55.0	58.2	55.2	51.5	54.5	53.8	51.4	49.0	46.8	50.37
52.8	56.0	58.2	61.4	63.2	64.5	63.0	66.0	65.0	60.8	57.0	54.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
55.8	57.2	58.5	58.4	59.8	59.8	59.5	57.0	58.2	54.5	53.0	51.4	53.56
61.4	64.8	67.2	69.5	71.0	72.2	75.0	75.6	74.2	72.2	67.5	63.8	60.60
62.8	67.2	71.5	73.2	74.0	75.0	77.0	76.8	77.0	68.4	62.2	60.8	64.40
53.0	53.8	54.6	55.4	54.8	53.8	53.8	53.8	54.8	54.0	53.0	52.4	54.38
49.5	50.0	50.5	50.5	51.0	50.6	50.0	49.0	48.4	48.2	47.5	45.8	50.11
51.3	51.8	51.6	54.0	55.2	56.8	57.2	58.2	56.8	53.8	50.2	48.2	49.60
—	—	—	—	—	—	—	—	—	—	—	—	—
61.2	64.2	66.0	66.5	66.2	67.0	67.0	64.5	62.0	57.6	55.5	55.0	57.01
63.0	66.0	69.8	73.5	73.0	73.4	73.8	73.8	73.5	70.5	65.4	63.0	62.65
72.8	76.8	80.4	83.6	89.8	90.4	74.8 ^a	73.5	72.6	69.5	67.0	64.8	69.77
70.0	72.5	75.5	75.8	75.5	71.0	72.8 ^a	73.6	72.6	67.4	62.6	60.0	66.36
60.23	62.30	64.17	65.56	66.83	66.50	64.90	65.30	63.47	60.66	57.58	55.67	58.12
59.4	62.2	63.5	64.5	66.6	66.2	66.0	64.0	61.8	57.8	54.8	53.0	58.38
59.2	61.4	62.4	64.8	67.5	68.8	70.0	71.5	71.0	66.6	61.8	57.8	58.15
—	—	—	—	—	—	—	—	—	—	—	—	—
50.5	52.0	54.2	55.2	57.2	58.0	58.8	58.0	57.2	54.0	50.6	48.8	52.10
55.0	58.6	61.8	64.4	66.0	67.8	67.5	64.8	61.8	58.8	56.0	54.4	53.36
59.0	60.5	60.8	62.0	64.0	62.8	65.2	62.5	61.0	59.6	56.5	52.5	56.04
58.5	59.0	58.0	59.0	62.0	62.4	65.0	65.2	65.5	61.5	57.8	54.6	55.06
58.8	60.0	61.4	62.2	61.8	62.5	64.2	64.8	64.0	59.2	56.2	55.0	56.30
62.8	65.5	66.5	67.8	68.0	68.2	68.3	66.5	65.0	61.0	58.2	56.5	59.53
—	—	—	—	—	—	—	—	—	—	—	—	—
70.0	71.4	73.0	75.8	74.5	70.8	68.8	68.8	66.5	62.0	59.0	56.6	63.60
58.5	61.8	61.0	63.5	61.5	63.8	63.6	66.5	65.0	63.4	58.2	55.0	56.83
61.0	63.0	64.5	68.0	71.8	71.2	70.0	66.6	63.4	62.2	59.4	57.0	57.79
63.4	64.8	67.0	69.2	69.5	68.2	67.2	65.8	63.0	59.8	58.0	56.6	58.47
58.5	62.8	64.6	66.5	67.5	69.5	67.2	67.0	62.2	60.2	58.5	58.0	59.45
64.0	66.2	68.5	69.8	69.6	69.0	70.0	70.2	69.2	65.8	62.4	60.0	62.41
—	—	—	—	—	—	—	—	—	—	—	—	—
70.8	72.5	79.8	82.5	72.6	66.5	68.0	73.0	72.4	68.2	64.5	—	68.08
66.2	65.2	63.0	63.4	69.8	66.0	68.0	70.2	71.2	66.8	62.0	59.0	62.34
59.6	60.8	62.4	60.2	59.0	59.5	61.0	60.5	60.0	57.5	56.0	55.4	57.71
53.8	55.0	58.2	60.0	60.2	61.2	56.0	56.2	54.8	56.0	55.5	53.2	54.12
61.0	64.0	66.4	70.5	72.6	74.2	70.2	72.8	72.6	66.5	63.0	60.0	59.05
61.2	64.4	65.0	66.6	67.4	68.0	68.5	69.5	70.2	68.5	60.8	57.8	61.35
—	—	—	—	—	—	—	—	—	—	—	—	—
66.5	68.5	70.0	69.2	68.6	67.2	67.0	66.2	65.6	61.8	59.2	57.2	60.71
64.6	66.2	69.0	71.4	72.8	75.0	76.0	75.2	75.5	72.0	68.8	66.2	64.16
67.8	69.0	68.5	63.0	61.0	59.0	58.5	58.5	57.4	57.0	55.5	54.8	62.56
58.5	60.0	61.6	64.0	63.0	64.8	63.6	61.6	59.5	57.2	56.0	55.0	56.26
58.6	59.6	61.4	62.0	63.2	63.5	63.5	63.2	60.4	57.2	55.0	53.8	56.46
59.5	62.2	64.5	65.5	67.5	69.0	69.0	69.6	69.0	67.0	64.0	60.2	60.09
61.03	62.95	64.50	65.81	66.35	66.27	66.20	66.10	64.82	61.83	58.76	56.34	58.82

^a Omitted in the means.

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	55.0	52.7	52.5	—	—	—	—	—	—	—	—	
	2	—	—	—	51.3	51.5	52.0	52.2	52.4	51.6	—	55.0	56.7
	3	60.0	59.0	58.3	58.0	56.2	54.9	54.3	52.4	50.2	50.4	51.0	52.4
	4	50.0	—	48.4	46.9	47.0	46.8	46.0	46.6	47.2	48.0	50.4	52.8
	5	46.2	46.0	44.6	44.6	46.1	44.2	42.7	44.2	44.4	46.1	49.4	51.6
	6	—	51.2	49.0	48.8	48.9	48.7	47.4	47.2	48.4	50.4	52.0	53.6
	7	54.6	54.0	53.1	52.9	51.2	51.0	51.2	50.4	51.8	54.0	55.2	57.1
	8	55.4	55.4	55.5	—	—	—	—	—	—	—	—	—
	9	—	—	—	46.0	46.2	46.7	46.2	45.6	44.6	46.8	47.8	49.0
	10	49.5	50.2	50.3	48.5	47.0	44.2	45.2	45.2	47.7	49.5	51.0	52.1
	11	52.5	51.8	50.4	49.8	48.5	48.4	47.0	47.2	46.8	48.8	51.9	53.4
	12	58.8	58.6	58.4	57.8	57.9	—	58.7	57.5	58.0	60.0	61.5	63.5
	13	55.5	53.6	53.9	—	53.7	52.2	48.6	47.2	47.1	48.5	49.3	51.3
	14	49.4	50.0	50.0	49.6	49.5	49.6	49.5	49.5	50.2	49.4	48.8	49.2
	15	45.1	45.0	45.0	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	51.6	51.2	51.4	51.8	52.5	54.1	51.3	53.3
	17	45.4	45.8	44.6	44.6	44.3	43.5	42.8	42.0	42.9	45.7	47.2	48.3
	18	53.2	53.5	54.1	54.0	53.6	53.3	53.2	53.5	—	55.2	57.2	59.2
	19	55.8	55.2	53.0	53.2	52.4	51.8	52.4	52.2	53.2	54.4	56.1	58.4
	20	59.7	59.4	59.0	59.1	58.8	58.0	57.8	51.2	50.0	51.3	52.3	—
	21	52.4	51.7	49.3	47.2	45.8	45.7	45.3	45.0	46.2	45.6	50.4	53.0
	22	52.6	52.8	52.5	—	—	—	—	—	—	—	—	—
	23	—	—	—	54.9	54.5	54.2	53.8	53.0	53.0	54.7	55.2	56.1
	24	58.7	58.5	58.2	57.9	—	57.0	54.6	53.8	51.8	52.0	53.6	54.5
	25	56.6	56.7	56.5	56.0	—	55.1	53.2	50.2	48.6	49.4	51.5	52.6
	26	54.2	54.0	53.2	54.2	54.0	53.4	53.5	53.7	52.9	52.7	53.2	53.4
	27	51.8	51.6	50.7	51.4	50.6	49.6	48.5	—	48.6	48.2	48.8	49.6
	28	47.5	47.5	47.7	47.8	48.2	48.2	48.6	—	48.8	49.8	51.1	50.8
	29	52.0	51.8	52.2	—	—	—	—	—	—	—	—	—
	30	—	—	—	51.8	52.2	52.8	53.1	53.8	54.0	54.6	56.8	57.8
	31	55.7	55.3	55.3	55.2	55.0	55.0	54.5	54.4	54.4	55.4	56.2	56.8
Hourly Means	53.10	52.85	52.14	51.73	51.03	50.70	50.45	50.00	49.80	51.00	52.47	53.86	
FEBRUARY.	1	54.0	54.2	55.0	53.6	53.5	53.5	53.4	53.3	51.8	50.5	—	52.8
	2	57.4	54.8	52.2	52.5	53.0	53.0	52.4	51.8	51.6	52.2	54.8	56.0
	3	53.7	52.5	53.4	51.7	51.2	53.0	52.8	52.2	52.3	52.4	54.2	56.4
	4	56.8	56.2	55.8	55.0	55.7	55.5	55.2	54.5	54.5	55.2	56.8	59.6
	5	56.9	56.3	55.4	—	—	—	—	—	—	—	—	—
	6	—	—	—	65.6	64.0	64.0	63.0	62.8	62.5	63.8	64.6	—
	7	63.0	57.6	56.8	55.8	56.2	56.5	57.0	55.6	56.7	57.0	58.9	60.3
	8	55.4	55.2	55.2	55.0	54.4	54.4	53.9	53.5	—	54.4	55.5	56.8
	9	56.8	56.2	56.3	56.8	56.1	57.0	57.2	57.1	57.6	58.2	58.8	59.8
	10	58.0	58.0	58.2	58.2	58.5	58.5	58.5	58.4	56.5	55.8	54.8	54.2
	11	54.2	53.1	52.8	52.8	52.9	51.7	51.9	52.2	53.0	52.8	53.0	53.2
	12	52.4	50.7	50.1	—	—	—	—	—	—	—	—	—
	13	—	—	—	51.2	51.0	50.7	50.5	50.4	49.4	49.8	51.4	53.9
	14	53.1	53.5	53.2	53.2	—	52.0	51.2	51.6	52.2	52.8	54.5	56.0
	15	57.2	57.7	56.8	57.5	56.4	55.2	56.2	56.0	55.5	55.2	56.2	57.1
	16	53.8	53.4	53.2	54.5	54.0	53.8	53.7	53.7	54.3	54.4	54.8	56.8
	17	56.1	56.0	55.9	55.8	55.7	55.7	55.9	55.9	56.2	56.6	57.8	58.8
	18	62.3	62.6	61.0	60.0	58.6	56.4	55.5	54.8	54.2	54.0	52.5	51.2
	19	51.0	50.8	50.0	—	—	—	—	—	—	—	—	—
	20	—	—	—	48.2	48.0	47.8	47.7	47.3	46.8	46.8	51.8	48.0
	21	46.6	46.9	45.4	45.1	44.6	—	44.6	44.6	44.7	45.4	46.8	49.7
	22	54.8	53.5	52.0	53.6	52.2	51.5	50.4	—	50.1	51.0	53.8	54.8
	23	59.9	58.4	58.3	57.9	57.5	56.7	56.2	55.9	55.4	55.6	58.2	59.8
	24	64.1	63.6	63.7	63.2	63.0	63.0	62.0	62.6	62.3	62.8	63.6	63.7
	25	55.7	55.0	54.5	54.0	53.2	52.0	49.8	49.0	48.4	49.7	51.5	53.9
	26	56.0	56.5	56.8	—	—	—	—	—	—	—	—	—
	27	—	—	—	57.6	57.4	57.5	57.0	57.2	57.4	57.4	57.3	57.2
	28	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.6	58.0	58.9	60.5
Hourly Means	56.07	55.40	54.96	55.24	54.96	55.06	54.29	54.23	53.96	54.24	55.67	56.11	

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	61.8	62.8	64.2	64.4	65.4	65.8	66.0	65.3	62.2	59.5	59.6	58.21
53.0	53.9	52.8	53.6	54.0	53.1	56.1	55.7	53.5	52.2	52.2	51.3	54.10
50.5	50.4	52.5	53.7	54.4	51.8	51.2	51.8	50.2	49.8	48.3	47.3	49.65
53.8	55.2	55.4	54.4	55.5	55.1	55.0	55.5	56.0	55.3	54.2	53.2	50.36
55.4	56.6	58.4	58.8	59.0	59.3	59.2	58.6	58.0	55.9	55.3	54.9	53.70
8.9	61.5	61.5	61.6	62.2	60.0	60.4	59.8	57.2	56.4	55.8	55.4	56.13
5—	—	—	—	—	—	—	—	—	—	—	—	—
50.8	51.5	53.8	55.0	55.2	55.7	54.6	53.5	53.3	52.1	50.9	50.4	50.92
52.9	54.6	55.5	56.9	57.4	57.4	57.8	56.9	56.6	55.1	54.7	53.0	52.05
55.9	59.0	60.3	60.8	61.8	63.2	63.5	60.6	—	58.4	58.0	57.8	54.60
65.1	65.0	66.2	66.8	67.2	66.3	64.3	61.4	61.5	60.8	59.9	57.3	61.41
51.4	53.4	55.2	54.5	53.5	55.2	55.2	55.4	55.5	52.8	51.5	50.1	52.37
52.6	51.6	49.0	52.4	52.5	52.2	51.6	49.1	47.8	47.5	—	46.4	49.89
—	—	—	—	—	—	—	—	—	—	—	—	—
54.2	56.5	56.7	57.8	58.3	58.8	56.2	58.6	57.3	53.2	48.4	47.5	52.86
49.8	50.6	52.8	54.8	55.7	54.8	65.4	55.6	54.2	53.6	53.4	53.6	49.64
59.5	60.5	63.0	63.8	65.4	63.0	65.2	65.2	63.4	60.6	58.4	56.8	58.47
59.2	60.1	63.0	65.0	65.8	65.2	65.6	65.3	60.3	59.1	59.8	60.2	58.20
55.4	56.3	57.1	58.4	58.5	59.2	59.9	58.3	58.9	55.7	53.6	53.0	56.56
52.8	54.4	56.4	56.8	57.3	57.2	57.2	55.7	55.2	53.2	52.7	52.7	51.63
—	—	—	—	—	—	—	—	—	—	—	—	—
56.9	59.2	60.2	63.8	66.4	65.8	67.1	65.3	65.3	63.7	62.2	61.2	58.52
54.5	56.6	57.3	57.9	59.1	59.7	61.0	60.3	57.6	56.4	56.0	56.5	56.67
54.8	54.8	56.4	58.3	58.0	58.0	57.4	58.6	57.2	55.2	53.2	53.7	54.87
53.0	52.5	52.8	52.0	51.4	51.5	52.6	52.8	52.9	52.2	52.8	53.0	53.00
49.2	50.1	50.0	52.4	51.5	51.9	52.0	51.5	50.6	50.0	49.0	47.8	50.23
52.7	52.9	55.3	55.8	56.8	56.8	56.4	55.2	55.2	54.2	53.0	52.8	51.87
—	—	—	—	—	—	—	—	—	—	—	—	—
60.0	60.3	61.1	61.8	63.7	61.8	61.8	60.4	59.4	58.0	56.7	56.0	56.83
56.8	57.7	59.8	58.9	58.6	59.6	57.4	57.0	—	56.0	55.9	55.8	56.38
54.93	56.04	57.13	58.08	58.60	58.38	58.84	57.85	56.77	55.37	54.62	53.74	54.19
53.8	56.4	58.2	57.8	60.1	60.6	60.4	62.5	61.2	58.7	58.8	57.0	56.13
56.2	57.2	58.4	59.7	59.5	59.2	59.2	58.3	57.2	55.8	54.5	54.0	55.45
55.1	58.6	59.5	61.3	61.6	61.6	60.8	58.0	59.6	58.8	57.5	57.0	56.05
60.0	60.6	63.2	64.0	63.6	62.3	62.0	61.5	59.2	57.8	59.3	58.8	58.46
—	—	—	—	—	—	—	—	—	—	—	—	—
68.7	68.6	69.8	71.0	71.2	71.0	64.6	62.8	64.5	64.0	64.0	63.9	64.48
59.8	61.0	60.2	62.2	62.4	59.8	59.0	58.5	59.2	58.9	56.6	55.5	58.52
58.4	60.3	61.2	62.7	63.2	62.2	62.0	61.0	60.4	58.4	57.2	56.8	57.72
62.0	61.4	63.5	64.2	64.6	65.2	63.2	61.6	61.5	60.5	59.7	58.1	59.72
56.0	57.0	57.8	58.8	58.4	57.8	57.2	57.5	55.6	54.0	54.0	53.2	56.87
53.3	54.5	56.5	58.2	57.1	56.8	55.9	53.2	54.5	54.2	53.7	52.4	53.91
—	—	—	—	—	—	—	—	—	—	—	—	—
55.4	55.4	56.5	56.8	58.0	58.0	57.9	—	55.4	54.4	53.2	53.5	53.30
56.3	58.8	58.6	59.6	61.2	59.8	58.9	58.6	58.5	58.3	58.0	57.5	55.97
59.0	59.6	59.3	58.2	58.6	59.6	57.6	56.6	55.6	55.2	54.7	54.0	56.87
56.8	58.8	59.4	60.6	60.0	60.5	60.3	60.4	59.7	58.7	57.2	56.0	56.62
59.0	61.0	61.4	63.3	62.5	63.2	64.2	61.4	64.2	63.1	62.5	62.4	59.36
51.7	52.2	56.1	56.4	57.6	57.6	55.8	55.2	54.6	53.7	51.8	51.2	55.71
—	—	—	—	—	—	—	—	—	—	—	—	—
48.5	50.3	50.2	51.5	54.2	52.6	52.4	52.2	51.5	50.0	48.7	48.0	49.76
51.9	54.1	56.0	58.4	59.0	60.4	61.4	63.0	61.0	59.6	57.8	56.8	52.34
57.8	59.0	61.0	64.0	63.4	66.6	65.5	65.2	65.1	63.6	62.8	61.4	57.96
61.3	63.3	64.8	67.1	68.0	68.4	70.5	70.5	68.4	66.6	65.4	64.0	62.00
61.9	67.3	67.0	63.6	62.5	61.5	61.8	61.0	61.9	60.2	57.4	56.6	62.51
55.5	56.8	58.4	60.3	61.6	60.6	60.4	59.5	57.4	56.8	55.9	56.0	55.25
—	—	—	—	—	—	—	—	—	—	—	—	—
56.1	56.8	59.4	61.1	60.0	58.0	57.5	57.0	56.4	56.4	55.7	56.1	57.32
61.5	62.6	64.0	66.4	67.4	68.8	66.2	64.5	63.0	61.9	61.0	59.5	60.72
57.33	58.82	60.02	61.13	61.49	61.34	60.61	60.00	59.40	58.32	57.39	56.65	57.21

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	58.6	58.2	56.4	55.5	56.6	56.6	56.7	56.2	56.5	57.0	59.0	60.0
	2	53.7	52.4	51.6	51.6	51.6	52.0	52.0	51.2	51.2	51.1	53.0	55.0
	3	55.5	54.0	53.0	53.2	51.7	51.0	50.1	50.0	49.7	49.8	52.8	54.4
	4	53.0	52.7	52.5	51.3	48.0	47.2	46.0	46.4	45.5	46.4	48.0	48.8
	5	—	49.4	49.0	—	—	—	—	—	—	—	—	—
	6	—	—	—	51.5	51.2	51.2	51.0	50.0	49.8	47.9	50.7	51.8
	7	—	52.5	52.2	50.6	—	—	—	—	48.4	48.8	50.4	52.2
	8	56.8	54.4	52.9	53.2	52.6	53.2	54.0	54.0	54.4	55.5	57.0	57.5
	9	60.0	59.2	59.4	58.6	58.0	58.2	58.3	58.5	59.0	59.2	60.2	60.4
	10	49.2	49.0	48.4	49.5	48.5	49.0	49.4	48.9	49.0	48.6	49.8	51.2
	11	52.0	51.5	51.8	51.5	50.0	49.8	51.0	48.8	48.3	48.5	49.8	51.4
	12	51.6	50.0	49.6	—	—	—	—	—	—	—	—	—
	13	—	—	—	51.8	47.5	45.5	45.7	44.8	45.8	47.0	47.8	49.2
	14	51.6	51.8	52.0	—	47.8	48.0	48.0	46.2	45.5	46.5	49.2	51.6
	15	52.0	49.8	48.8	49.0	49.9	48.5	47.4	48.7	48.2	47.8	49.2	50.8
	16	45.0	42.5	42.0	41.6	42.2	42.2	41.7	41.3	41.0	40.2	40.6	44.5
	17	51.7	51.8	51.8	51.8	51.8	50.5	48.0	47.0	47.2	48.2	49.8	51.4
	18	50.0	50.4	50.4	48.6	46.3	46.5	46.3	46.6	47.0	47.8	48.5	49.0
	19	47.5	47.5	47.5	—	—	—	—	—	—	—	—	—
	20	—	—	—	51.4	54.0	—	50.4	49.6	49.7	50.4	50.6	50.8
	21	47.0	47.0	47.0	46.6	45.4	44.8	43.4	43.5	43.4	42.8	45.0	46.8
	22	48.0	49.0	49.0	49.8	50.0	50.0	48.9	48.0	46.8	47.4	49.6	50.4
	23	52.3	50.2	49.6	49.4	49.6	49.0	49.0	48.4	48.1	49.3	49.0	50.0
	24	45.8	46.0	49.0	44.0	44.0	44.5	44.4	44.6	44.6	44.5	45.0	46.5
	25	46.0	45.0	44.0	43.7	43.0	42.6	43.0	42.0	42.5	42.8	45.5	46.8
	26	53.8	53.5	53.0	—	—	—	—	—	—	—	—	—
	27	—	—	—	53.0	53.0	52.9	52.9	52.8	54.2	54.0	53.5	53.7
	28	52.9	52.9	53.3	53.3	53.0	—	51.7	49.9	50.4	51.4	52.5	54.6
	29	53.8	53.1	53.9	53.3	52.6	52.8	53.2	52.6	52.4	52.8	53.8	55.0
	30	61.0	60.2	60.0	59.2	59.9	59.0	58.5	58.3	58.0	57.4	57.4	57.6
	31	54.5	54.3	54.0	53.7	53.8	53.8	54.0	54.3	54.4	54.5	54.5	55.0
Hourly Means	52.13	51.42	51.19	51.03	50.46	49.95	49.81	49.33	49.30	49.54	50.82	52.09	
APRIL.	1	47.5	47.5	47.2	47.2	48.6	49.0	44.0	43.0	42.8	43.4	44.0	45.3
	2	48.0	47.0	46.6	—	—	—	—	—	—	—	—	—
	3	—	—	—	45.8	45.7	45.2	44.6	43.8	44.0	43.0	45.0	45.5
	4	52.1	52.9	52.5	—	52.1	47.8	47.4	47.2	46.2	45.2	46.5	47.6
	5	44.0	44.0	43.8	43.2	43.2	43.2	43.5	47.7	47.8	47.3	47.3	48.9
	6	47.2	46.1	41.0	45.7	44.7	45.0	45.2	45.2	45.0	44.5	45.0	47.8
	7	40.2	40.3	42.2	42.6	43.8	43.6	44.0	44.6	45.2	46.7	48.2	49.1
	8	52.0	51.8	51.8	50.6	49.8	48.7	48.0	47.3	46.0	47.1	48.3	47.1
	9	50.3	50.0	50.5	—	—	—	—	—	—	—	—	—
	10	—	—	—	40.6	40.4	40.6	40.4	40.4	39.6	39.8	40.0	42.1
	11	39.9	40.0	39.6	39.4	39.0	38.5	38.0	38.2	39.5	39.9	39.6	42.6
	12	42.2	42.7	43.0	43.0	42.8	42.2	45.6	—	44.8	47.2	47.8	49.6
	13	52.1	51.5	50.5	52.0	50.0	50.0	49.0	48.4	48.0	48.0	48.0	49.0
	14	53.2	52.6	51.6	51.0	50.3	48.8	47.9	47.3	47.2	47.1	48.1	49.4
	15	45.1	45.0	44.4	43.9	43.1	44.0	43.4	42.6	42.0	42.4	42.6	44.6
	16	48.1	49.8	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	42.2	42.3	42.3	41.7	40.1	40.4	40.3	42.6
	18	49.0	48.0	47.5	47.4	46.1	45.2	45.0	45.0	44.8	45.4	46.4	46.6
	19	48.9	49.1	49.0	48.5	48.2	47.8	47.0	47.0	45.7	46.5	47.0	48.6
	20	47.6	46.8	45.5	46.8	47.4	47.0	46.6	46.7	45.5	45.0	44.5	47.4
	21	48.0	49.0	49.0	48.4	47.8	45.5	44.4	45.0	44.4	44.4	44.5	44.8
	22	47.5	47.2	47.2	47.0	46.6	46.0	46.5	46.2	46.1	46.0	46.0	—
	23	52.8	52.8	52.6	—	—	—	—	—	—	—	—	—
	24	—	—	—	49.2	—	49.8	51.0	49.7	46.0	45.5	45.8	46.8
	25	44.5	44.1	44.7	47.3	43.2	42.6	43.0	43.0	43.5	44.0	44.0	44.8
	26	49.8	50.0	50.8	51.0	51.0	49.8	48.4	47.8	47.1	45.8	45.1	44.6
	27	41.2	40.7	40.6	40.5	40.6	40.5	40.4	40.3	39.6	39.0	39.4	40.4
	28	42.2	42.5	41.7	41.9	42.0	42.8	42.8	44.0	44.2	45.2	46.4	46.8
	29	52.0	53.2	53.2	53.2	52.5	52.4	52.2	52.0	51.1	50.5	50.6	52.4
	30	47.0	46.8	46.5	—	—	—	—	—	—	—	—	—
	May 1	—	—	—	51.2	50.4	51.0	52.0	52.2	52.4	52.5	52.6	53.3
Hourly Means	47.40	47.36	46.92	46.56	46.06	45.74	45.48	45.45	44.95	45.07	45.50	46.71	

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	
63.2	66.6	68.2	65.9	67.5	63.7	60.3	60.0	60.2	57.8	53.9	53.1	59.49
56.4	58.2	60.2	61.6	61.2	62.2	62.8	61.2	59.3	58.3	57.4	55.8	55.87
56.2	57.4	58.2	60.4	60.5	60.5	58.2	56.4	54.5	53.9	54.2	53.6	54.55
49.6	50.0	50.5	51.4	53.1	53.1	52.4	51.6	50.8	49.4	49.5	49.2	49.85
—	—	—	—	—	—	—	—	—	—	—	—	53.55
53.0	55.0	56.4	57.0	58.4	60.2	59.6	58.8	58.0	55.8	53.5	52.4	53.55
54.0	56.2	57.2	58.8	60.2	61.1	62.4	62.6	61.6	59.0	57.7	57.2	—
59.7	59.8	60.3	62.4	62.8	64.5	63.6	66.6	61.2	60.6	60.1	59.8	58.20
61.8	63.0	64.0	63.7	65.6	63.5	58.5	56.5	54.0	51.7	55.6	49.9	59.03
53.4	54.4	56.8	56.8	58.6	58.2	57.5	58.0	56.6	54.8	53.5	53.0	52.59
53.0	55.5	57.0	57.0	57.9	58.0	57.4	56.8	56.0	54.6	53.5	53.0	53.09
—	—	—	—	—	—	—	—	—	—	—	—	—
52.0	53.4	54.0	55.3	55.2	56.4	55.7	54.4	52.8	51.5	51.4	51.4	50.82
53.4	55.4	57.8	59.2	58.0	57.8	56.0	55.5	55.0	54.0	53.5	52.4	52.44
51.8	52.0	49.4	50.0	49.7	50.4	52.0	50.6	49.1	47.4	46.1	45.0	49.32
47.3	48.6	50.0	51.8	53.9	53.6	54.8	54.5	53.6	52.6	52.2	51.7	47.06
51.0	52.9	54.8	54.4	54.5	56.2	56.0	55.0	54.0	52.7	51.5	52.0	51.92
50.6	53.0	54.0	56.0	55.2	56.3	55.3	55.2	54.5	50.5	49.4	48.4	50.66
—	—	—	—	—	—	—	—	—	—	—	—	—
51.2	52.4	53.0	56.3	53.8	53.5	54.2	53.6	51.8	50.0	48.2	47.8	51.10
50.6	50.2	52.6	52.8	53.4	54.2	54.5	53.2	52.9	50.4	49.6	49.0	48.59
51.5	53.5	55.3	56.0	57.4	58.7	58.2	58.6	58.0	56.9	55.0	52.2	52.42
51.9	53.5	52.0	53.0	53.0	53.4	53.5	53.6	51.8	48.8	48.0	46.0	50.93
47.4	49.5	49.0	50.6	50.6	50.9	51.4	50.6	49.3	48.4	48.0	46.0	46.86
47.9	50.0	53.0	53.3	55.0	54.6	53.7	54.4	53.4	53.2	53.3	53.8	48.44
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	56.4	57.0	56.2	57.1	56.8	55.4	53.8	—	53.0	52.4	52.4	54.23
55.8	56.7	57.3	56.9	58.3	58.2	58.3	58.2	57.2	56.7	55.3	54.2	54.74
57.3	58.6	60.2	61.0	62.0	62.4	62.6	62.4	61.6	61.7	61.5	61.2	57.16
56.4	56.8	56.8	56.4	56.4	56.3	58.9	57.5	56.3	55.4	55.2	54.7	57.65
55.4	54.6	54.2	—	52.6	54.4	52.0	50.4	50.6	48.0	47.2	47.5	52.94
53.64	54.95	55.90	56.70	57.11	57.37	56.86	56.30	55.16	53.60	52.84	51.95	52.92
47.3	49.0	50.2	51.3	52.8	55.8	56.8	54.8	53.8	52.4	50.4	50.4	48.94
—	—	—	—	—	—	—	—	—	—	—	—	—
47.2	49.8	50.8	51.6	52.3	52.5	53.7	53.2	52.9	52.8	53.1	53.0	48.63
48.9	50.0	50.0	50.5	52.0	52.4	50.6	49.6	49.6	47.3	45.2	43.8	49.02
50.2	50.6	52.2	52.0	49.6	50.3	49.4	49.4	49.5	49.2	47.2	47.5	47.54
47.3	46.9	47.2	47.8	46.5	47.1	46.1	45.2	44.3	43.5	41.4	40.3	45.25
50.4	53.8	52.9	55.5	56.2	56.4	56.5	56.8	55.6	54.6	54.2	53.2	49.44
50.0	52.8	53.8	55.5	55.2	56.0	56.4	56.3	55.0	53.3	52.8	52.3	51.58
—	—	—	—	—	—	—	—	—	—	—	—	—
42.0	43.7	44.4	46.1	44.8	45.8	44.2	43.0	39.8	39.8	39.4	39.9	42.82
43.5	44.0	45.0	45.0	46.1	46.4	46.5	46.0	44.1	44.0	43.0	43.2	42.12
51.5	53.2	55.8	56.3	56.2	57.1	57.1	56.0	55.4	54.2	54.1	53.5	50.06
50.3	52.3	54.0	57.0	57.4	55.6	55.4	54.6	54.0	53.7	53.5	53.0	51.97
51.6	52.0	52.6	52.0	52.0	51.5	51.5	49.0	47.3	46.0	45.7	45.3	49.62
46.0	48.2	49.8	53.5	53.9	52.7	53.7	53.0	51.4	50.8	47.9	48.0	47.17
—	—	—	—	—	—	—	—	—	—	—	—	—
45.4	47.2	49.6	52.2	52.8	53.0	52.7	52.2	50.9	49.1	48.4	48.6	46.95
47.9	49.8	51.2	52.6	53.0	52.9	52.6	51.5	49.5	49.2	49.2	49.0	48.53
49.9	50.0	51.2	51.6	51.3	51.4	51.4	50.8	49.8	48.3	48.5	48.2	48.99
49.4	51.0	52.4	51.6	50.8	52.4	51.3	50.9	49.4	49.8	47.4	47.2	48.35
47.0	48.6	50.4	52.4	52.7	52.8	53.0	52.5	51.0	49.4	49.5	48.5	48.46
50.2	52.0	54.4	56.0	57.6	58.4	56.8	55.2	54.0	53.8	52.5	52.2	50.67
—	—	—	—	—	—	—	—	—	—	—	—	—
47.8	49.2	48.8	48.0	47.8	49.7	49.2	48.5	47.0	47.0	45.8	45.1	48.52
46.2	47.0	47.9	48.6	50.0	51.0	50.4	50.0	49.0	49.4	49.6	49.5	46.55
44.6	45.8	46.4	47.2	47.8	47.9	45.8	44.8	44.2	42.5	42.1	41.7	46.75
41.7	42.7	44.4	45.4	44.8	44.4	44.5	44.3	43.0	41.8	40.9	41.3	41.77
48.5	50.4	50.7	52.6	54.4	53.8	53.8	54.0	53.0	52.9	53.0	53.0	48.02
53.0	53.0	53.6	56.8	53.6	53.3	53.6	53.3	49.5	47.8	47.2	47.0	51.96
—	—	—	—	—	—	—	—	—	—	—	—	—
54.4	—	54.2	53.5	55.2	55.4	54.2	53.8	53.1	52.5	52.2	50.4	52.03
48.16	49.32	50.53	51.64	51.80	52.15	51.82	51.10	49.85	49.04	48.24	47.89	48.13

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	
MAY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	50·4	50·8	50·0	48·2	48·8	47·2	46·0	45·8	45·5	—	46·8	47·9
	3	50·6	50·2	50·0	49·6	49·4	50·0	50·7	50·9	50·6	50·8	50·4	50·0
	4	51·2	49·2	49·2	48·9	47·6	47·0	46·4	46·4	47·5	48·8	49·2	49·5
	5	50·6	50·4	50·8	48·5	48·4	47·5	46·2	45·6	44·8	44·5	45·0	45·4
	6	43·1	43·2	43·3	43·2	43·5	43·3	43·4	43·5	43·5	44·0	44·0	44·5
	7	44·4	44·5	44·5	—	—	—	—	—	—	—	—	—
	8	—	—	—	47·0	47·1	46·5	45·4	44·5	44·5	44·8	43·6	44·2
	9	46·4	46·5	46·7	46·2	46·0	46·0	45·8	45·7	44·8	45·8	46·0	47·2
	10	50·0	49·2	48·9	49·8	48·8	48·0	47·0	47·0	45·4	43·8	42·6	42·8
	11	38·6	38·6	38·6	38·6	38·7	38·7	38·6	38·9	39·4	40·0	40·8	41·2
	12	47·7	47·4	47·6	47·6	48·1	—	—	49·2	49·7	50·6	51·4	51·6
	13	50·4	50·7	51·2	51·2	51·8	51·0	50·3	49·2	48·5	48·5	48·8	49·1
	14	41·8	40·4	40·0	—	—	—	—	—	—	—	—	—
	15	—	—	—	42·8	42·5	41·8	41·3	—	40·0	39·8	39·6	40·8
	16	45·5	45·9	45·4	44·8	44·2	43·8	42·5	40·4	40·5	40·7	40·4	42·5
	17	48·9	49·0	48·8	49·0	48·6	48·2	47·8	48·0	48·4	48·3	47·8	48·2
	18	47·4	47·4	48·0	48·0	47·0	46·4	45·9	45·3	43·0	42·4	42·1	42·4
	19	46·2	46·2	46·4	46·2	45·8	45·8	45·8	46·0	45·8	46·4	47·0	48·7
	20	50·0	50·0	50·6	50·4	50·6	50·8	51·0	51·7	51·2	50·5	48·8	48·6
	21	46·5	46·0	45·2	—	—	—	—	—	—	—	—	—
	22	—	—	—	43·0	43·0	43·2	43·4	43·2	43·4	43·5	43·5	43·4
	23	38·5	37·6	37·4	36·6	36·6	36·7	36·7	36·8	36·5	36·8	36·7	38·7
	24	36·4	37·7	37·4	37·3	37·9	39·2	40·5	40·7	41·6	41·8	42·6	43·6
	25	44·3	44·1	44·1	44·0	43·5	42·4	43·5	43·8	43·7	43·6	43·6	43·5
	26	43·6	42·8	42·8	43·0	42·0	42·8	43·5	43·7	43·7	44·0	44·6	45·4
	27	49·4	49·0	48·8	48·8	49·1	48·0	47·5	47·6	46·6	45·2	44·6	45·0
	28	42·2	42·1	40·6	—	—	—	—	—	—	—	—	—
	29	—	—	—	47·8	47·4	47·2	47·0	46·4	45·8	45·4	45·0	44·1
	30	43·7	43·7	—	43·1	43·5	43·5	43·7	44·8	49·0	49·4	48·8	47·2
	31	45·2	45·3	45·0	45·3	—	45·4	45·8	46·0	46·5	47·0	47·7	48·3
Hourly Means.	45·88	45·69	45·65	44·03	43·84	43·48	43·51	43·52	43·36	43·35	43·37	43·84	
JUNE.	1	43·6	43·0	43·4	43·0	42·8	41·8	41·0	40·0	—	39·9	39·0	40·5
	2	46·8	46·5	46·2	46·0	44·9	44·4	43·7	43·3	—	41·6	41·6	43·0
	3	48·6	48·6	48·9	48·6	48·7	49·8	47·8	47·4	48·0	48·0	48·2	48·3
	4	43·5	41·6	41·6	—	—	—	—	—	—	—	—	—
	5	—	—	—	44·2	44·9	—	43·9	44·8	45·2	45·0	45·6	46·2
	6	46·8	46·4	46·5	46·2	46·2	45·8	46·2	46·0	45·8	45·6	45·8	44·7
	7	44·2	42·8	42·6	42·0	41·0	40·5	40·0	38·9	38·5	38·1	37·9	38·9
	8	36·2	36·4	36·5	36·0	—	35·8	35·4	34·3	34·4	35·0	35·4	35·4
	9	38·9	38·5	38·4	38·9	38·6	38·6	38·2	38·6	38·9	38·8	39·0	41·2
	10	43·0	43·2	43·2	43·0	43·8	44·0	44·2	45·0	46·2	47·6	47·4	46·9
	11	—	41·4	41·3	—	—	—	—	—	—	—	—	—
	12	—	—	—	40·6	40·2	39·8	39·6	39·0	39·0	38·7	38·4	38·8
	13	—	35·0	35·0	35·4	35·6	35·8	36·0	36·0	37·4	37·8	37·5	37·4
	14	47·5	47·5	47·6	48·1	—	50·0	50·9	51·4	51·4	51·0	51·4	51·2
	15	48·6	47·8	49·4	49·2	48·9	48·8	48·0	47·8	47·5	47·0	47·0	46·5
	16	44·4	43·6	43·6	43·0	42·4	42·2	42·0	42·0	42·4	41·7	41·8	41·9
	17	45·8	46·0	46·3	46·3	46·0	45·5	45·6	45·5	45·5	45·0	45·0	45·0
	18	48·0	48·9	48·9	—	—	—	—	—	—	—	—	—
	19	—	—	—	50·0	50·0	50·0	50·0	50·2	50·8	50·2	49·0	48·2
	20	45·0	44·2	43·2	43·0	40·2	40·3	39·9	39·3	38·8	38·6	39·0	39·8
	21	39·9	40·3	40·4	40·5	40·9	41·2	41·6	41·8	42·0	42·0	42·4	43·3
	22	38·6	36·6	36·2	36·2	36·5	36·5	36·8	37·0	38·3	38·5	38·6	39·1
	23	33·6	34·2	34·6	34·6	35·6	36·3	36·4	37·4	37·6	37·4	37·7	37·5
	24	35·6	36·3	35·7	35·3	—	35·6	35·0	35·0	34·8	34·4	34·0	34·0
	25	37·0	37·0	37·0	—	—	—	—	—	—	—	—	—
	26	—	—	—	36·7	36·0	—	33·2	32·5	32·2	31·5	31·8	31·8
	27	33·6	33·5	33·5	33·2	33·4	32·8	32·4	32·0	31·7	31·4	31·2	32·0
	28	40·4	40·4	40·4	40·4	40·4	40·3	40·2	40·7	40·0	40·0	41·1	40·5
	29	43·8	43·8	43·0	43·0	42·4	41·3	41·2	40·7	40·0	38·6	37·4	37·6
	30	37·4	37·2	36·3	37·0	35·8	35·4	35·0	35·0	35·8	36·2	36·2	36·2
Hourly Means.	42·12	41·56	41·53	41·55	41·53	41·35	40·93	40·83	40·92	40·75	40·75	41·00	

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	
49.5	50.8	51.6	52.4	51.8	50.6	52.6	50.6	50.2	49.4	50.0	51.0	49.47
51.4	54.5	55.6	56.9	56.7	56.5	56.1	56.1	57.0	57.0	56.4	54.5	53.00
50.6	52.5	53.5	52.9	54.2	52.4	52.6	52.0	51.4	51.2	51.4	50.7	50.26
45.8	46.0	48.0	46.0	44.7	44.8	44.5	42.9	42.0	42.7	42.6	42.6	45.85
45.8	46.6	48.8	48.6	48.5	47.8	47.8	46.7	46.1	45.2	44.9	44.4	45.15
44.2	45.8	45.8	47.8	47.9	47.8	47.9	48.4	48.0	47.3	46.8	46.8	46.06
47.6	49.3	50.2	51.1	51.1	51.1	50.7	49.2	48.7	49.0	49.2	49.2	47.90
43.2	45.5	45.0	46.0	46.4	45.8	43.0	41.6	39.7	39.2	38.6	38.2	44.81
42.5	44.8	47.2	48.2	48.4	48.7	48.6	47.4	47.1	47.6	47.6	47.4	43.17
52.4	52.7	53.3	53.0	53.2	53.0	51.7	50.3	49.1	48.2	49.0	49.2	50.30
51.5	51.9	50.8	49.4	49.0	49.8	50.0	49.5	48.2	46.4	45.2	43.2	49.40
42.8	44.8	46.6	48.7	48.7	49.4	49.4	48.9	48.6	47.6	47.7	46.9	44.39
44.5	46.1	47.5	49.8	51.2	51.8	52.5	51.0	49.4	48.3	48.0	48.6	46.05
48.6	49.0	49.6	51.2	52.3	52.2	52.6	51.9	50.7	49.7	49.8	48.9	49.48
45.0	46.8	48.9	50.4	51.6	51.7	51.6	51.1	48.4	47.2	46.5	46.5	47.12
49.8	52.0	54.5	54.2	53.5	51.8	51.6	51.2	50.6	50.4	50.1	50.0	49.00
49.2	49.6	49.8	49.6	49.5	49.5	—	48.4	47.8	47.8	47.0	46.8	49.53
43.0	43.6	43.3	44.0	44.5	43.6	43.2	42.3	41.2	40.8	40.4	40.0	43.22
40.4	40.6	40.0	40.6	40.9	41.0	39.6	38.6	38.0	37.8	37.1	37.3	38.23
45.6	46.3	47.8	49.0	49.7	47.8	46.0	46.0	45.0	44.8	44.7	44.6	43.08
45.2	47.2	48.4	49.2	49.8	48.6	48.6	47.4	46.4	45.2	44.0	43.7	45.32
46.4	48.4	49.6	49.6	50.0	50.0	51.9	50.3	49.8	50.3	50.4	49.8	46.60
45.1	46.3	46.9	47.9	47.3	47.2	45.6	44.6	44.0	43.6	42.4	41.9	46.35
46.8	47.1	48.0	47.6	47.9	47.4	47.0	46.0	44.9	44.4	44.2	43.8	45.67
47.2	47.4	47.8	48.1	47.9	47.4	46.5	45.0	45.5	44.1	44.5	45.0	45.95
49.1	—	50.7	50.9	50.8	50.4	50.6	47.8	46.0	45.2	44.9	44.0	47.18
44.93	47.82	47.01	47.52	47.69	47.34	47.01	46.12	45.33	44.83	44.57	44.26	46.62
42.2	43.0	44.8	46.0	46.4	47.9	48.8	48.2	46.8	45.9	47.0	47.8	44.03
43.2	42.9	46.8	49.8	50.9	51.5	52.1	51.4	50.2	50.0	49.8	49.0	46.77
50.0	51.4	52.1	51.9	51.0	49.0	47.6	47.0	45.4	44.8	45.0	43.6	48.32
45.3	46.3	47.3	48.3	48.3	49.9	50.4	49.2	48.8	47.8	47.4	47.2	46.20
46.0	46.9	48.4	49.2	49.4	49.6	48.6	47.0	47.2	47.2	45.5	45.7	46.36
39.8	41.4	41.4	41.0	41.0	40.8	40.9	39.3	38.7	38.1	37.6	36.8	40.51
36.2	38.0	39.9	41.2	42.1	41.9	41.2	40.5	40.2	39.7	40.1	39.9	37.90
41.8	40.8	42.7	42.1	43.0	42.8	42.8	42.6	41.8	41.8	41.5	41.5	40.49
47.0	46.8	47.0	47.0	45.3	44.5	43.8	42.8	41.7	41.9	41.6	41.6	44.52
39.0	40.6	41.9	42.2	43.0	42.8	43.0	41.4	39.0	37.5	36.6	37.0	40.03
40.0	41.8	44.0	41.6	46.6	47.2	46.7	46.5	46.5	46.8	47.0	47.2	40.90
52.0	52.5	53.6	52.0	50.8	50.3	50.4	50.8	50.0	50.0	47.5	48.7	50.29
47.0	48.0	48.9	48.5	49.8	49.2	48.2	46.8	46.4	45.5	44.8	44.2	47.66
43.4	44.6	45.0	45.0	48.6	46.5	46.2	45.2	45.0	44.6	45.2	45.8	44.00
49.7	46.5	46.8	48.4	49.2	49.5	48.9	47.8	47.2	47.0	47.3	47.5	46.80
49.4	49.4	50.6	51.4	51.1	50.5	50.0	48.3	47.5	47.2	46.8	46.6	49.29
40.4	42.0	43.5	42.1	42.9	43.7	43.0	41.5	40.8	40.2	39.7	39.9	41.39
45.0	46.2	45.8	45.4	46.2	44.6	46.4	41.2	40.8	39.4	38.4	38.2	42.25
41.0	41.0	42.0	41.0	41.0	39.3	38.4	37.5	35.7	34.6	34.5	34.5	37.89
38.2	37.6	39.0	39.4	39.2	38.8	36.6	37.9	37.6	37.0	36.2	36.1	36.94
35.6	37.4	37.8	40.0	38.8	39.6	39.0	38.0	37.0	36.6	36.6	37.0	36.48
32.8	34.3	36.4	37.8	38.6	39.2	39.8	38.4	37.2	35.4	34.5	34.2	35.45
32.9	34.9	37.0	40.0	41.4	41.8	41.8	42.0	41.4	40.6	41.2	40.6	36.10
39.5	40.0	40.0	41.8	43.5	44.6	45.3	45.0	44.8	45.0	45.0	44.6	41.45
38.6	39.2	42.4	43.0	43.3	44.2	43.5	42.7	42.2	40.8	39.6	38.4	41.65
38.2	39.2	40.2	44.3	43.3	42.4	42.6	42.0	40.6	40.3	39.7	39.5	38.57
42.08	42.80	44.05	44.63	45.18	45.08	44.85	43.88	43.10	42.53	42.16	42.04	42.40

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	39.5	39.6	39.5	39.6	39.4	39.4	39.3	39.2	39.4	39.3	39.3	39.6
	2	37.8	38.0	38.0	—	—	—	—	—	—	—	—	—
	3	—	—	—	51.2	51.6	51.2	50.8	50.0	49.8	50.0	50.0	50.0
	4	41.2	41.2	40.1	40.8	40.1	40.6	40.8	40.6	40.4	40.6	40.8	41.6
	5	42.0	41.3	40.7	40.0	40.4	40.7	41.3	40.3	42.6	42.0	41.0	41.0
	6	38.5	37.5	37.8	37.2	37.6	37.6	37.6	38.0	38.0	38.0	38.0	39.0
	7	42.6	42.6	42.6	42.6	42.6	42.3	42.0	41.6	41.8	41.8	42.2	42.5
	8	43.6	43.5	43.4	43.1	43.4	43.7	42.5	43.8	—	43.0	42.8	42.6
	9	47.8	48.0	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	41.6	41.6	41.6	41.6	41.8	41.8	41.5	40.4	40.3
	11	38.5	39.5	39.8	40.2	40.6	41.6	42.4	42.1	43.0	43.2	44.0	44.8
	12	45.4	44.9	44.7	44.9	44.9	44.4	44.8	45.2	45.4	46.2	46.5	46.7
	13	—	40.6	40.6	39.6	39.6	39.8	39.6	39.6	39.5	39.9	39.9	40.4
	14	42.0	41.6	41.4	40.8	40.4	39.9	39.5	39.2	39.0	38.6	37.8	38.2
	15	40.5	40.4	40.3	40.3	40.2	40.0	39.8	38.8	39.0	39.4	39.3	39.5
	16	41.8	42.2	41.8	—	—	—	—	—	—	—	—	—
	17	—	—	—	40.5	40.1	39.8	39.2	39.3	38.8	38.0	37.4	38.0
	18	40.4	40.1	39.5	40.3	39.4	39.6	39.0	39.4	39.6	39.6	39.8	40.2
	19	43.6	44.4	44.4	44.8	43.6	43.3	43.0	42.5	42.1	43.2	43.5	44.0
	20	51.8	52.0	51.8	51.8	52.2	52.4	52.2	52.2	51.8	51.8	51.8	55.0
	21	49.6	49.2	48.6	47.6	46.4	43.8	43.4	42.8	42.8	43.0	43.2	43.2
	22	41.2	40.6	40.6	40.2	39.5	39.0	39.0	38.6	38.2	38.5	38.3	38.4
	23	45.3	45.3	45.3	—	—	—	—	—	—	—	—	—
	24	—	—	—	38.0	38.4	37.4	37.2	37.2	37.4	37.5	37.5	37.9
	25	36.0	35.8	35.6	35.6	35.3	34.4	34.0	33.8	33.5	33.8	33.5	34.3
	26	43.1	43.2	43.2	43.3	43.9	44.0	44.2	46.2	47.2	48.4	48.4	47.8
	27	43.9	43.8	44.1	43.3	42.6	41.8	41.8	41.2	41.2	40.2	40.5	42.1
	28	34.0	35.2	35.6	34.6	34.5	34.5	34.4	34.2	34.5	34.8	35.5	37.4
	29	35.9	36.0	36.5	36.7	36.6	36.7	36.7	36.7	37.4	37.8	37.0	37.6
	30	36.6	36.2	36.4	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	33.8	33.5	33.3	33.2	32.7	32.6	32.3	33.2
Hourly Means	41.70	41.64	41.29	41.54	41.10	40.88	40.75	40.67	40.68	40.90	40.80	41.36	
AUGUST.	1	40.0	39.6	38.8	38.7	38.4	38.4	38.0	37.6	—	37.6	37.6	38.0
	2	43.9	43.3	42.7	42.2	41.9	41.0	40.2	40.4	40.6	40.2	39.8	40.4
	3	45.2	45.2	44.8	44.8	—	44.4	44.2	44.0	44.2	44.5	44.5	44.9
	4	43.3	42.4	41.8	41.6	43.2	42.9	44.5	44.3	45.0	43.0	41.8	41.2
	5	38.9	39.0	39.4	39.8	39.8	39.6	39.6	39.8	40.0	40.0	40.0	40.4
	6	42.6	44.2	45.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	39.4	38.2	38.3	38.4	37.7	38.0	39.0	39.0	39.8
	8	39.1	38.2	38.4	37.9	38.4	38.4	38.6	38.6	38.4	38.6	38.9	41.5
	9	42.6	41.8	41.4	40.6	40.5	40.0	39.0	39.0	38.0	37.5	36.4	37.3
	10	38.0	37.5	37.0	37.0	36.7	36.5	36.5	36.3	36.8	37.0	37.8	37.2
	11	39.1	39.3	39.1	38.8	38.8	38.0	36.4	35.0	34.5	34.2	34.0	34.9
	12	40.6	41.6	41.8	41.2	41.6	41.4	41.0	40.4	40.5	40.5	40.8	41.7
	13	43.4	42.9	42.7	—	—	—	—	—	—	—	—	—
	14	—	—	—	44.0	43.8	43.0	43.0	42.8	42.8	42.8	43.0	43.0
	15	46.6	46.4	46.2	46.4	46.6	47.0	47.0	47.4	47.0	46.8	46.5	47.7
	16	49.0	48.5	48.0	47.5	47.1	46.5	46.0	45.5	—	—	44.6	45.0
	17	38.3	38.2	38.7	37.9	37.2	37.6	37.4	37.0	37.1	37.4	38.0	40.1
	18	41.8	42.0	41.8	40.6	40.6	40.9	41.2	41.5	42.4	42.6	43.5	44.4
	19	39.0	38.4	38.0	37.4	37.0	36.5	36.2	35.2	35.0	35.0	35.2	37.8
	20	41.8	39.6	39.5	—	—	—	—	—	—	—	—	—
	21	—	—	—	38.0	38.0	37.7	37.5	37.3	36.9	37.0	37.3	38.4
	22	46.0	46.4	46.5	46.7	46.9	47.0	47.1	46.9	—	46.6	46.4	46.2
	23	47.0	47.0	46.5	46.0	45.2	45.5	45.2	45.6	45.5	45.8	46.3	46.6
	24	47.0	47.0	46.8	46.8	—	45.8	45.6	45.2	44.2	42.8	42.8	44.0
	25	46.0	44.6	43.8	43.8	43.5	42.8	42.5	42.5	41.2	40.4	40.2	42.4
	26	50.8	50.0	49.4	48.7	—	47.0	45.2	45.0	43.9	43.4	43.6	45.2
	27	47.8	47.6	47.4	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	35.5	36.0	37.7	38.2	37.6	38.0	38.6	40.8
	29	41.9	41.0	40.5	40.4	40.2	40.2	40.2	39.8	39.8	39.8	39.8	39.8
	30	42.2	42.2	41.6	40.2	39.6	38.5	37.5	36.2	—	35.7	36.5	38.5
	31	44.4	44.4	44.8	45.2	45.5	44.5	43.8	43.7	45.0	45.4	46.0	48.0
Hourly Means	43.19	42.90	42.68	41.98	41.01	41.31	41.09	40.85	40.69	40.45	40.70	41.67	

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	
40.2	39.2	41.8	42.2	42.9	43.3	42.8	42.4	41.6	40.2	38.8	37.6	40.25
50.5	48.4	47.6	46.1	45.4	45.6	44.0	43.6	43.0	42.5	42.1	41.4	46.19
44.0	45.6	46.2	46.0	46.2	46.3	46.1	45.2	44.5	44.6	43.6	42.2	42.89
41.2	41.0	40.8	40.2	41.6	42.2	40.3	38.5	38.2	37.8	37.9	38.2	40.47
39.9	41.1	42.8	43.4	44.5	44.2	45.0	44.2	44.0	43.2	43.2	43.4	40.57
43.5	45.0	47.0	46.4	46.5	47.9	47.7	47.2	46.0	45.0	44.6	44.0	44.08
43.4	46.6	49.1	50.3	50.5	50.4	50.5	48.5	49.4	48.9	48.5	48.8	46.10
41.2	42.8	42.8	42.6	40.8	40.6	41.1	41.0	39.3	38.8	38.2	37.8	41.52
46.7	47.2	47.7	47.5	47.5	47.5	49.1	48.9	48.4	46.8	46.5	45.7	44.55
45.5	45.5	45.5	46.0	46.8	46.6	45.8	44.6	43.1	42.2	42.0	41.6	44.97
41.0	41.6	44.8	44.8	46.4	45.9	46.0	45.0	43.8	43.5	43.2	42.5	42.07
40.7	41.7	43.5	44.6	45.0	46.2	45.5	45.3	43.6	42.6	41.6	41.3	41.67
40.9	43.1	45.2	46.7	48.0	48.6	48.8	47.8	46.0	44.0	42.2	40.4	42.47
39.7	41.0	—	44.7	46.6	47.3	47.7	46.1	44.5	43.3	41.8	40.8	41.76
41.1	—	44.5	46.4	47.2	47.0	47.8	47.8	47.2	46.4	45.5	45.0	42.73
44.6	46.2	47.4	48.8	50.2	50.5	50.9	51.0	51.8	52.0	51.7	52.0	46.65
52.4	52.0	55.0	56.6	56.6	56.1	53.6	53.6	53.4	52.0	51.0	50.0	52.88
43.0	44.0	45.3	46.6	45.6	45.4	45.4	45.2	43.0	43.0	42.5	42.5	44.80
40.6	41.8	44.0	46.6	45.0	46.2	46.0	46.0	45.6	45.2	45.3	45.3	42.07
38.8	39.5	39.4	38.6	40.0	43.2	40.4	39.8	38.4	37.0	36.4	36.2	39.25
35.0	36.4	38.0	42.0	44.0	44.9	45.4	45.0	44.7	44.4	43.6	43.0	38.42
47.2	47.5	48.8	49.2	47.5	47.4	46.9	45.5	45.5	44.2	44.0	43.9	45.85
42.8	43.5	43.5	45.2	43.4	43.8	44.0	42.0	39.8	39.0	38.2	36.5	42.03
36.8	37.6	37.4	37.8	38.5	38.3	38.5	37.2	36.5	35.6	35.9	35.9	36.05
38.5	39.2	39.8	41.5	41.8	41.4	41.7	40.4	39.8	37.8	37.5	37.2	38.26
35.2	38.4	40.4	41.8	43.4	43.8	43.9	43.2	—	41.4	40.8	40.8	37.59
42.09	43.04	44.33	45.10	45.46	45.79	45.57	44.81	44.04	43.13	42.56	42.08	42.56
41.1	42.5	45.0	47.2	48.1	49.0	49.0	49.0	46.9	46.8	45.1	44.1	42.46
42.7	44.8	46.9	48.0	49.4	49.8	50.2	49.0	46.8	45.8	45.0	45.2	44.17
45.6	47.0	49.0	49.6	50.2	50.1	50.2	49.1	47.8	46.1	45.6	44.3	46.32
42.3	42.6	42.6	41.9	42.5	42.1	43.3	43.9	42.0	39.7	39.5	39.7	42.38
41.4	41.8	42.5	43.9	44.0	44.8	44.8	44.6	43.5	42.8	42.2	—	41.42
41.0	43.4	45.3	44.9	46.0	—	45.5	44.7	44.7	44.4	41.5	40.3	41.80
42.5	45.0	46.5	48.5	49.0	49.6	49.2	48.6	47.0	45.4	44.9	43.5	42.70
38.8	41.2	43.8	45.4	46.0	47.0	46.2	46.3	44.2	41.9	40.6	39.4	41.45
38.6	40.8	42.9	43.1	42.5	41.5	40.9	40.3	38.8	38.8	38.3	38.9	38.74
36.7	40.0	40.8	42.9	43.2	44.6	45.2	45.2	43.3	42.6	42.5	41.4	39.60
45.0	46.6	47.8	49.0	49.5	50.1	49.3	47.6	46.5	45.5	43.8	43.8	44.07
44.0	44.9	46.7	48.0	49.4	48.6	48.6	47.8	46.6	46.6	46.2	46.0	45.02
49.6	51.8	53.2	53.8	54.4	53.7	53.4	52.7	51.5	51.0	49.6	49.2	49.40
46.5	47.3	49.0	49.2	47.9	46.3	44.6	43.7	43.4	40.0	39.0	39.4	45.64
41.9	43.4	44.0	45.0	45.0	45.8	45.2	45.4	43.9	43.0	42.7	42.2	40.93
46.2	46.4	45.0	44.6	44.7	44.4	43.6	43.1	41.4	40.4	40.2	40.0	42.64
40.2	41.8	44.6	46.5	46.9	47.7	47.8	48.1	45.3	42.9	42.5	41.9	40.70
40.0	41.6	42.8	43.2	44.4	44.7	44.9	44.8	44.5	44.6	45.0	45.0	41.02
46.6	47.5	48.6	50.0	50.7	50.4	50.0	49.4	48.6	48.2	47.5	47.5	47.73
47.5	49.4	49.6	49.8	50.4	50.4	49.6	49.6	48.8	47.2	47.0	47.2	47.45
46.0	48.2	50.0	51.2	52.4	51.0	52.0	50.9	49.8	49.0	48.4	47.5	47.58
44.2	47.0	49.7	52.0	53.2	52.9	53.9	51.9	51.2	52.2	51.2	50.9	46.83
47.5	49.2	51.4	51.2	52.2	52.1	51.7	52.4	51.6	50.0	52.8	48.6	48.82
43.0	45.0	45.5	47.1	47.5	46.4	45.7	44.7	45.0	43.2	43.1	42.4	42.77
41.5	44.2	43.8	42.5	44.3	44.3	45.0	44.0	42.2	41.2	40.0	41.2	41.57
41.2	42.8	44.6	46.2	—	47.4	48.4	49.1	47.0	45.6	45.2	44.8	42.32
49.1	50.0	52.5	54.6	53.2	52.4	51.5	51.1	50.2	49.9	48.8	48.5	48.02
43.36	45.04	46.45	47.38	47.96	47.97	47.77	47.30	46.02	44.99	44.38	43.96	43.82

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 ^a	48.0	48.0	48.8	47.5	—	—	—	44.2	44.3	44.8	45.7	
	2	44.4	44.6	44.6	44.8	44.8	44.7	44.4	43.8	44.6	42.8	42.8	45.5
	3	45.9	45.5	44.9	—	—	—	—	—	—	—	—	—
	4	—	—	—	37.6	37.6	36.6	36.8	36.2	35.8	36.2	36.4	38.3
	5	43.8	43.6	41.6	41.6	41.8	41.8	42.0	42.7	41.6	41.9	41.4	42.4
	6	46.4	46.2	46.6	46.2	—	46.0	46.2	45.2	43.6	43.4	44.2	46.4
	7	47.5	46.2	45.4	43.2	43.8	42.6	43.0	42.2	41.8	42.0	42.5	43.0
	8	50.0	49.2	48.8	48.2	47.4	46.5	45.3	44.8	44.4	44.0	45.4	47.5
	9	48.4	46.3	46.0	44.5	43.3	43.0	42.2	43.5	44.0	44.6	45.0	45.8
	10	49.0	48.6	47.8	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	46.7	46.5	46.3	47.0	47.0	47.0	47.0	47.5
	12	49.5	49.6	49.6	49.6	49.4	50.0	49.8	49.5	49.0	49.0	49.4	49.8
	13	49.7	49.8	49.8	48.6	48.0	48.2	48.4	46.8	47.0	47.3	47.7	49.6
	14	49.0	47.8	47.8	47.0	47.0	47.0	47.0	47.0	47.0	46.7	46.8	49.2
	15	47.8	48.0	48.0	48.4	48.2	48.2	47.5	46.9	—	46.0	48.0	49.6
	16	48.2	47.9	47.7	47.7	47.6	47.2	47.2	47.0	47.0	47.0	47.1	48.9
	17	48.2	46.8	46.0	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	47.0	46.8	46.5	46.6	45.4	45.0	46.2	47.2
	19	46.0	45.8	45.4	45.0	44.6	44.8	44.2	44.0	43.6	43.8	45.9	48.4
	20	48.4	47.2	47.0	46.4	46.0	45.5	45.5	45.3	44.8	44.5	46.0	47.3
	21	49.4	48.8	48.0	48.8	49.2	49.4	49.6	49.8	49.8	49.8	50.0	51.0
	22	52.4	52.6	53.2	52.8	53.4	52.7	52.8	53.4	53.8	53.2	54.6	55.7
	23	49.2	48.4	47.4	46.2	45.4	44.6	44.2	43.8	42.8	42.6	45.2	48.0
	24	52.2	52.6	52.0	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	44.6	44.2	44.6	44.8	45.2	46.0	47.4	49.4
	26	51.6	51.0	50.8	50.6	50.3	50.0	50.0	49.6	49.4	49.4	50.5	51.9
	27	52.0	51.2	50.0	48.6	48.4	48.1	47.5	47.2	48.2	48.8	51.2	52.4
	28	45.8	45.4	44.0	43.8	44.0	44.0	44.0	43.8	42.8	43.2	44.8	45.6
	29	46.8	45.2	44.2	43.8	43.6	44.4	43.9	44.2	—	44.4	45.2	46.9
	30	44.6	45.2	44.8	43.8	44.8	45.2	44.9	44.8	43.6	44.4	45.6	47.0
Hourly Means	48.24	47.75	47.32	46.29	46.12	45.92	45.75	45.60	45.27	45.28	46.20	47.69	
OCTOBER.	1	43.6	43.0	42.5	—	—	—	—	—	—	—	—	
	2	—	—	—	37.6	37.6	38.2	38.6	36.8	36.8	36.9	39.7	42.2
	3	42.8	42.6	42.6	42.2	43.0	43.6	43.6	43.6	43.4	43.6	44.6	45.3
	4	47.1	50.0	49.8	50.4	52.0	51.6	51.4	51.8	50.8	51.6	52.8	55.6
	5	44.6	44.0	43.2	44.6	44.6	44.8	45.8	46.6	47.0	47.5	50.2	52.8
	6	43.8	43.0	43.0	42.4	42.2	—	44.8	44.5	40.8	40.2	42.6	43.8
	7	40.5	39.8	40.0	39.2	39.0	38.4	37.2	36.6	36.2	37.4	40.2	42.0
	8	44.6	44.2	44.4	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	42.2	41.8	41.3	41.0	40.6	41.6	42.2	45.0
	10	47.5	46.5	46.8	45.8	45.0	44.6	43.6	42.6	—	—	45.6	47.4
	11	47.0	47.0	46.8	47.4	47.8	47.6	45.6	45.2	45.0	44.9	47.9	49.8
	12	50.0	49.6	48.4	47.8	47.2	47.2	47.2	46.8	45.8	46.8	49.0	50.6
	13	43.8	42.9	42.2	41.6	41.0	41.0	41.2	41.2	—	42.0	42.8	44.0
	14	36.8	37.0	37.7	38.2	38.4	39.0	38.8	38.6	—	39.9	41.4	43.4
	15	42.0	42.2	41.6	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	43.6	44.0	44.0	43.8	42.8	44.6	42.2	43.2
	17	39.4	39.2	39.2	39.6	39.2	38.6	38.4	37.0	37.8	38.7	40.4	44.6
	18	39.4	38.6	38.2	37.4	37.2	37.3	38.0	38.6	38.6	39.6	40.2	43.4
	19	41.2	40.8	40.7	40.5	40.0	40.0	40.0	40.0	40.0	40.8	42.2	44.6
	20	38.4	39.3	38.5	38.4	38.0	36.6	37.4	37.2	36.0	35.0	37.6	39.4
	21	41.6	41.4	41.4	41.2	38.5	38.5	38.5	38.4	38.6	38.6	39.6	—
	22	40.0	40.4	39.7	—	—	—	—	—	—	—	—	—
	23	—	—	—	46.4	46.4	46.4	46.0	45.8	46.0	46.5	46.8	48.4
	24	49.2	49.0	49.0	49.2	—	49.4	49.4	49.6	50.0	50.5	50.8	51.0
	25	50.8	48.4	49.0	49.2	49.0	48.6	48.0	47.2	47.2	47.0	48.2	48.6
	26	47.2	45.6	45.5	42.2	42.2	41.8	41.6	41.4	42.5	43.9	45.2	47.7
	27	41.8	42.0	41.6	41.2	41.4	40.0	39.9	39.0	38.6	39.2	41.6	45.2
	28	45.5	46.2	43.5	43.5	44.6	42.5	43.6	42.4	42.8	44.8	46.2	48.6
	29	51.2	50.4	50.0	—	—	—	—	—	—	—	—	—
	30	—	—	—	51.5	50.9	50.5	50.0	49.2	48.4	50.0	52.6	53.8
	31	51.7	50.0	51.0	50.8	49.2	47.7	47.3	46.8	46.6	48.6	51.2	52.6
Hourly Means	44.29	43.97	43.70	43.68	43.21	43.19	43.12	42.76	42.71	43.21	44.76	46.92	

^a Omitted in the daily 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	
49.0	51.1	51.4	50.6	51.1	51.8	51.4	50.7	49.1	47.6	47.3	45.7	—
46.8	47.8	48.6	50.4	50.4	—	49.5	49.1	48.3	47.8	46.8	46.0	46.23
—	—	—	—	—	—	—	—	—	—	—	—	—
41.5	43.4	46.0	45.1	46.3	47.8	47.8	47.2	46.2	45.4	44.5	44.7	42.24
44.0	46.0	48.4	49.0	50.5	50.7	50.4	49.5	47.5	47.2	46.7	45.8	45.08
48.3	48.7	49.7	51.3	50.5	50.1	51.6	50.4	50.5	49.2	48.4	48.6	47.73
45.5	49.0	51.0	52.5	—	53.4	52.4	52.4	52.8	51.6	51.2	50.6	47.20
50.0	51.4	52.6	53.2	53.6	54.4	53.5	53.3	52.3	50.5	50.0	49.3	49.40
46.9	47.6	48.5	49.5	50.6	51.0	51.3	50.6	50.3	49.0	48.3	48.5	47.03
—	—	—	—	—	—	—	—	—	—	—	—	—
48.0	48.5	48.8	49.4	49.9	49.7	50.0	50.0	49.8	49.7	49.8	49.8	48.43
50.0	49.5	50.6	50.7	51.0	51.0	51.0	50.8	50.3	50.0	49.8	49.7	49.94
50.6	51.5	52.6	53.5	54.6	53.8	52.6	51.8	50.7	50.2	49.8	49.6	50.09
50.6	51.4	52.4	52.6	52.9	53.6	53.7	53.6	52.4	48.9	47.9	47.8	49.46
49.1	51.1	51.3	51.4	51.8	51.6	52.1	51.4	50.0	49.2	48.7	48.4	49.25
48.2	51.6	52.5	51.5	51.2	52.0	53.0	53.4	52.2	50.6	49.5	48.6	49.37
—	—	—	—	—	—	—	—	—	—	—	—	—
48.4	50.0	50.7	52.6	53.1	52.1	51.7	50.8	48.6	47.6	46.1	46.0	48.23
50.5	51.7	53.1	54.2	55.8	52.8	56.6	52.8	51.6	50.5	50.6	50.0	48.82
48.6	50.6	52.2	54.8	54.7	56.1	57.0	53.6	51.6	50.9	50.8	49.8	49.36
51.0	52.0	53.8	55.8	55.8	57.0	57.6	55.5	54.6	54.0	54.0	53.8	52.02
57.0	55.6	55.2	55.2	56.5	55.2	54.4	53.9	51.8	50.8	50.0	49.8	53.58
50.2	52.2	52.0	54.8	57.0	57.0	57.0	57.0	52.6	52.0	52.0	52.4	49.75
—	—	—	—	—	—	—	—	—	—	—	—	—
50.8	53.2	53.7	53.0	54.6	54.2	55.2	54.2	51.8	52.2	52.2	51.6	50.42
52.8	53.6	55.0	55.6	56.8	57.4	57.2	57.0	55.4	54.8	54.0	53.4	52.84
54.4	54.8	53.8	53.8	54.0	53.5	52.2	50.3	48.9	46.8	46.2	44.5	50.28
46.0	48.7	49.6	49.8	51.2	51.6	52.2	50.8	50.6	50.6	48.4	47.6	47.01
47.0	48.6	49.2	49.2	48.8	49.4	49.4	48.8	47.2	45.8	44.8	44.8	46.33
48.4	48.8	49.6	49.8	50.3	50.3	49.2	48.2	46.5	45.4	44.6	44.2	46.42
48.98	50.32	51.24	51.90	52.52	52.70	52.69	51.81	50.52	49.55	48.94	48.50	48.66
—	—	—	—	—	—	—	—	—	—	—	—	—
43.5	45.2	45.2	43.4	45.2	46.2	45.8	46.0	44.6	44.6	43.6	43.4	42.09
46.8	46.8	49.2	51.0	51.8	52.1	52.1	51.3	51.6	49.2	48.5	47.8	46.63
56.8	57.2	55.7	56.0	59.0	56.0	52.2	52.2	56.2	45.8	43.8	44.4	52.09
53.6	52.2	51.8	50.6	51.0	52.3	52.8	54.0	48.2	47.2	45.7	43.4	48.27
44.4	46.6	45.0	46.4	45.4	46.0	45.2	44.9	43.4	42.0	41.4	41.4	43.62
43.5	45.2	45.9	47.2	48.0	46.8	49.4	50.0	47.0	45.8	45.4	45.0	42.74
—	—	—	—	—	—	—	—	—	—	—	—	—
46.0	46.6	49.0	50.6	51.6	52.6	53.0	52.4	50.4	48.4	48.0	48.4	46.34
48.7	48.6	50.5	51.0	52.4	51.6	50.2	49.8	47.6	46.8	46.6	46.8	47.55
51.6	52.0	52.8	54.2	55.8	54.2	55.6	55.2	54.4	52.0	51.4	51.0	50.09
51.6	52.2	53.4	53.4	53.5	51.0	49.7	49.3	48.0	46.7	45.2	45.8	49.01
45.6	47.3	47.8	47.1	44.6	45.0	44.0	42.4	40.0	39.4	37.8	37.4	42.70
43.7	45.8	45.8	47.0	48.0	46.2	46.2	44.8	44.2	43.8	43.2	42.8	42.20
—	—	—	—	—	—	—	—	—	—	—	—	—
44.0	45.7	43.4	45.7	46.4	43.8	44.8	47.2	45.4	42.8	40.4	39.7	43.62
46.8	47.6	48.0	48.6	48.8	47.2	47.4	44.4	44.2	42.4	40.8	40.0	42.43
46.6	46.2	47.6	48.4	48.7	48.9	47.4	46.8	44.6	42.6	42.0	41.4	42.40
45.9	47.2	48.2	45.3	45.6	44.6	44.0	43.8	42.6	41.0	40.4	39.6	42.46
38.4	40.0	39.6	40.0	41.8	44.0	44.4	44.8	44.8	43.2	41.6	41.4	39.82
41.2	42.0	43.2	44.8	43.8	43.6	42.4	43.2	42.5	41.0	41.6	40.6	41.14
—	—	—	—	—	—	—	—	—	—	—	—	—
49.6	51.4	51.1	52.2	53.0	52.0	51.6	50.8	50.3	49.8	49.5	49.5	47.90
51.6	52.8	52.8	53.0	53.8	53.3	52.9	53.4	53.5	52.5	52.4	52.2	51.36
49.1	50.3	53.2	54.3	55.0	—	56.0	53.4	52.2	51.2	50.8	47.8	50.20
48.6	49.2	50.0	50.0	51.6	51.0	50.4	50.8	48.4	46.8	45.2	43.2	46.33
46.0	46.0	47.8	49.4	49.9	50.3	49.9	50.1	48.8	46.5	45.8	46.4	44.52
51.0	51.4	51.9	53.5	53.8	54.2	54.6	54.8	54.0	54.0	53.5	52.5	48.89
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	57.6	59.2	58.4	59.6	57.1	57.8	55.4	56.1	54.6	53.0	52.0	53.56
54.4	56.0	57.3	57.5	56.0	57.2	56.4	56.4	55.2	53.2	52.6	52.0	52.40
47.89	48.81	49.44	49.96	50.55	49.89	49.85	49.52	48.39	46.67	45.78	45.23	46.18

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	51.2	50.8	50.2	50.0	49.8	49.4	49.4	49.0	49.4	49.8	50.9	53.5
	2	50.8	51.4	51.6	49.6	48.0	47.5	46.0	45.9	46.4	48.0	48.6	51.2
	3	48.2	48.0	48.0	47.9	47.2	47.2	47.2	47.2	—	48.6	50.0	50.4
	4	52.2	51.8	49.2	48.6	48.4	47.2	46.8	46.2	46.5	48.3	49.4	51.3
	5	50.0	49.0	48.6	—	—	—	—	—	—	—	—	—
	6	—	—	—	49.0	47.8	47.4	47.8	49.0	52.0	51.2	52.2	51.8
	7	44.0	44.0	44.0	43.6	42.4	42.0	42.0	42.4	—	44.5	46.0	48.9
	8	47.8	47.6	47.6	47.4	46.8	46.6	46.4	46.3	47.0	48.4	51.0	52.0
	9	53.9	53.8	52.8	52.1	52.6	54.6	55.0	54.4	—	56.8	55.2	53.4
	10	47.8	47.0	47.4	46.8	46.2	46.6	46.6	46.6	47.1	49.5	50.9	51.3
	11	50.8	50.6	50.6	49.8	50.0	50.4	49.9	50.0	50.4	52.0	52.6	54.0
	12	46.1	45.5	45.6	—	—	—	—	—	—	—	—	—
	13	—	—	—	47.8	47.8	46.6	46.0	45.2	47.2	47.1	48.8	51.7
	14	53.6	52.0	51.2	49.0	48.3	47.5	46.8	46.5	46.2	47.2	48.8	50.9
	15	48.9	49.6	48.7	47.5	—	46.8	45.8	45.6	45.8	50.2	53.6	57.0
	16	49.2	49.0	48.8	47.6	46.8	46.4	45.8	46.0	46.8	48.8	50.3	50.0
	17	44.8	45.4	45.0	44.4	43.9	43.9	43.8	43.5	—	44.4	45.8	47.2
	18 ^a	42.4	42.0	41.9	42.3	42.6	42.6	43.2	43.6	—	—	—	45.8
	19	48.0	48.0	47.6	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	46.0	46.0	46.2	46.0	44.8	44.6	46.2	47.2
	21	46.2	46.4	45.9	45.4	45.0	45.4	45.8	46.0	46.4	48.2	50.0	51.4
	22	55.9	55.4	55.0	54.6	54.8	54.8	55.0	55.0	54.5	53.9	45.5	46.7
	23	52.4	52.8	51.6	51.4	51.2	50.9	51.0	50.8	—	51.4	51.2	51.4
	24	51.0	51.4	51.8	51.8	51.5	51.5	50.8	49.8	49.2	49.2	48.8	48.8
	25	45.4	45.5	44.6	44.0	43.4	43.4	43.4	44.0	44.0	44.5	46.1	46.6
	26	43.0	42.6	42.0	—	—	—	—	—	—	—	—	—
	27	—	—	—	50.6	50.4	50.4	50.0	50.0	50.0	50.8	53.6	54.4
	28	53.8	54.5	54.2	54.2	53.4	53.0	52.4	52.6	53.2	54.3	55.5	56.5
	29	59.4	58.6	58.2	57.6	56.6	56.3	56.5	55.9	—	56.0	58.6	60.6
	30	58.9	58.8	58.6	58.9	58.8	58.0	57.4	56.8	57.6	58.8	60.0	61.8
Hourly Means	49.83	49.67	49.26	49.28	48.79	48.55	48.35	48.24	48.66	49.86	50.78	51.76	
DECEMBER.	1	48.8	49.2	48.8	47.0	47.2	47.2	45.8	46.0	45.0	46.8	48.9	50.5
	2	45.0	44.8	44.8	45.2	45.7	46.0	45.3	44.7	45.6	46.7	47.5	48.7
	3	45.6	45.0	45.3	—	—	—	—	—	—	—	—	—
	4	—	—	—	43.6	43.6	43.4	43.4	44.4	44.9	45.9	45.4	45.9
	5	43.0	42.6	41.2	41.6	41.4	41.0	41.3	40.7	41.6	43.8	46.0	47.0
	6	49.0	46.3	48.3	48.7	48.8	48.8	48.4	47.0	47.4	48.2	49.2	50.8
	7	44.4	44.2	44.0	44.0	43.8	43.2	43.2	43.2	44.5	44.8	46.3	49.4
	8	47.2	46.2	45.8	45.8	45.7	44.7	44.4	44.8	45.6	46.0	47.0	49.8
	9	51.2	50.8	50.5	50.4	51.2	51.5	50.6	51.2	51.0	52.0	53.0	54.0
	10	52.2	52.0	51.4	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	52.5	52.4	—	51.5	52.4	53.6	55.6	57.2
	12	46.9	46.7	46.2	47.3	45.8	45.8	45.6	44.8	45.8	47.8	48.0	49.0
	13	46.8	46.2	45.6	45.0	45.4	45.2	44.8	44.6	45.2	48.0	48.9	52.2
	14	50.0	49.4	49.4	48.2	48.7	47.8	48.0	47.9	48.8	51.8	54.4	56.0
	15	52.8	52.9	52.9	52.4	52.2	52.2	52.3	52.0	52.4	52.4	53.0	53.4
	16	55.0	55.0	55.6	55.6	56.0	55.8	55.4	56.0	55.6	55.9	56.9	58.1
	17	58.2	58.2	57.8	—	—	—	—	—	—	—	—	—
	18	—	—	—	59.0	58.6	58.4	58.2	58.2	58.8	58.6	59.6	60.4
	19	57.4	57.0	57.0	54.4	51.6	50.4	49.4	49.2	50.7	52.9	52.4	54.4
	20	49.8	50.4	50.0	49.8	49.7	48.7	48.2	—	48.4	49.8	52.2	52.0
	21	50.9	50.4	50.4	47.2	48.4	46.6	45.6	44.8	45.4	46.2	47.0	47.7
	22	46.2	46.6	45.4	45.0	44.9	44.0	44.4	45.0	45.6	47.6	50.4	52.4
	23	52.4	52.0	52.0	52.6	51.9	—	48.4	46.9	47.0	48.6	50.4	50.0
	24	51.4	50.8	51.4	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	54.6	52.4	51.2	50.6	51.6	52.0	52.2	54.2
	26	55.0	54.4	54.4	55.4	55.0	53.2	52.2	51.8	—	55.2	57.4	58.2
	27	59.9	60.4	60.6	60.7	59.2	59.2	58.6	58.6	58.2	59.8	59.6	61.2
	28	50.4	49.4	48.0	51.2	46.2	45.8	45.0	45.0	46.0	46.5	47.6	48.6
	29	50.0	50.0	50.4	49.6	48.2	47.5	47.2	46.6	47.5	50.4	50.4	53.0
	30	48.2	48.4	48.5	—	—	49.0	48.6	48.0	48.4	48.8	50.2	51.4
Hourly Means	50.30	49.97	49.83	48.51	49.45	48.81	48.22	48.14	48.54	50.00	51.13	52.52	

^a Omitted in the daily 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	
56.2	57.4	58.6	58.4	57.6	55.0	53.8	52.6	50.2	51.8	51.0	50.4	52.35
52.4	51.4	52.8	54.6	55.0	55.0	53.3	55.3	50.8	50.0	—	48.4	50.64
51.5	52.5	54.7	55.9	55.1	56.0	56.2	55.0	55.4	53.6	52.4	52.5	51.33
52.6	52.6	54.6	53.6	53.8	53.0	52.0	52.4	51.2	50.6	49.8	48.6	50.45
—	—	—	—	—	—	—	—	—	—	—	—	—
51.0	51.1	51.7	53.6	54.2	56.0	55.0	51.8	50.2	47.8	46.4	44.5	50.38
50.8	50.5	51.8	52.2	53.8	54.2	54.2	53.0	51.8	49.8	48.9	48.3	47.96
53.6	55.4	57.0	58.4	59.5	59.6	59.9	58.9	58.4	56.3	54.6	54.4	52.54
53.5	53.5	55.4	55.5	55.6	53.4	54.2	55.0	54.0	51.8	49.7	48.7	53.69
52.6	53.4	53.8	54.6	55.2	56.8	57.0	56.8	55.2	55.0	52.4	51.2	51.16
56.4	57.0	57.2	57.0	58.0	57.6	57.3	57.0	52.7	50.7	47.8	47.0	52.78
—	—	—	—	—	—	—	—	—	—	—	—	—
50.0	50.6	51.8	52.4	—	55.6	57.2	58.2	60.0	59.4	58.6	55.0	51.05
51.0	51.6	53.6	53.4	56.0	56.3	57.0	57.6	—	54.1	50.8	49.6	51.26
59.6	61.8	61.0	62.2	63.0	61.8	62.0	62.0	57.0	53.8	52.0	51.6	54.23
50.6	51.8	52.0	53.2	54.0	52.6	51.0	50.6	48.5	50.4	48.2	46.8	49.38
49.0	48.6	48.8	49.4	50.7	49.7	47.5	48.9	46.6	44.5	44.0	43.0	46.21
48.9	49.7	50.0	52.9	53.2	55.2	55.2	55.0	53.5	50.8	49.6	49.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
49.6	50.2	51.4	49.4	50.4	51.5	50.5	50.1	49.0	46.6	45.4	45.0	45.82
52.7	55.0	57.0	57.3	59.4	60.4	61.2	62.0	59.8	59.8	57.5	56.6	52.53
59.4	62.4	62.4	61.6	62.0	62.2	61.8	62.6	60.8	58.0	57.0	53.4	56.86
51.4	51.6	52.4	53.2	52.3	52.5	52.9	52.4	52.5	52.0	52.4	51.4	51.87
47.8	48.2	48.2	50.0	50.4	50.0	49.8	48.8	48.0	47.8	46.9	45.5	49.46
47.5	46.8	47.0	48.3	49.0	49.4	50.0	50.2	49.0	47.6	45.6	44.9	46.26
—	—	—	—	—	—	—	—	—	—	—	—	—
56.0	58.0	59.4	56.7	56.5	60.2	59.2	58.2	56.6	54.2	53.5	53.6	52.91
59.0	59.8	61.0	63.0	64.6	64.4	64.9	63.4	68.9	67.1	60.4	59.6	58.49
63.4	65.8	66.6	68.6	70.3	68.0	—	64.0	62.7	59.8	59.7	59.4	61.03
61.0	62.5	62.5	62.0	60.0	59.6	—	59.4	56.8	56.6	51.8	50.4	58.57
53.37	54.20	55.10	55.67	56.38	56.38	55.55	55.82	54.38	53.07	51.46	50.34	49.80
50.8	52.2	51.8	52.0	52.8	51.8	53.0	52.4	51.4	48.4	46.8	45.4	49.17
50.2	50.8	51.2	52.4	51.9	53.4	52.3	56.2	56.0	50.8	48.6	47.4	48.80
—	—	—	—	—	—	—	—	—	—	—	—	—
46.8	47.6	47.2	44.2	47.6	47.6	47.8	47.4	46.2	45.0	44.6	43.4	45.49
49.4	51.0	53.0	55.0	55.8	57.0	55.9	54.9	53.2	53.3	51.2	50.8	47.99
52.1	53.4	53.5	55.9	56.5	54.8	51.8	52.0	50.8	49.6	47.2	45.4	50.16
52.0	51.0	50.4	52.0	53.4	53.6	55.2	53.6	55.5	51.5	49.4	48.2	48.37
50.8	51.2	52.4	52.6	53.2	53.4	54.6	55.3	54.4	51.8	52.2	51.6	49.44
55.4	57.0	57.3	58.7	58.4	58.6	58.7	57.3	56.6	55.0	54.2	53.0	54.07
—	—	—	—	—	—	—	—	—	—	—	—	—
59.2	59.6	59.8	61.4	60.4	57.5	56.3	51.8	52.8	49.8	48.4	47.8	54.35
51.9	51.9	53.4	55.6	52.2	53.6	52.6	55.2	54.2	52.8	49.5	48.0	49.61
53.6	53.6	54.0	57.2	60.4	58.0	57.8	54.6	53.4	53.6	52.2	51.0	50.72
57.2	57.6	59.6	60.4	59.7	58.7	58.4	58.1	56.0	55.2	53.3	52.8	53.64
54.6	55.9	57.2	57.7	57.9	59.7	58.4	58.5	56.2	55.4	55.2	54.8	54.68
59.6	60.8	62.4	62.9	61.8	62.4	62.4	63.6	62.0	59.8	58.8	58.2	58.57
—	—	—	—	—	—	—	—	—	—	—	—	—
61.6	63.6	68.7	67.9	61.8	59.9	62.5	62.4	62.6	60.2	58.8	—	60.61
56.4	54.4	54.8	55.4	57.6	54.4	55.4	56.8	56.0	53.4	51.2	49.8	53.85
52.2	54.6	—	55.1	53.6	53.5	54.1	52.7	53.7	51.6	50.9	50.8	51.45
48.7	49.6	51.4	52.4	54.4	56.0	53.1	53.6	52.2	53.6	52.8	47.6	49.83
54.8	56.4	57.8	59.5	60.6	60.6	58.2	60.4	58.6	56.0	54.5	53.0	52.00
51.0	54.2	53.2	55.4	54.4	54.4	54.7	55.4	55.6	55.3	53.2	52.2	52.23
—	—	—	—	—	—	—	—	—	—	—	—	—
60.0	60.2	61.8	61.2	59.8	59.4	59.0	58.4	58.0	56.4	55.6	55.4	55.55
59.0	60.4	61.8	63.4	63.4	64.5	64.8	64.9	65.4	63.8	62.9	62.5	59.09
61.8	61.7	60.3	56.7	55.2	54.4	54.4	53.9	52.0	52.0	51.2	50.5	57.50
50.4	51.5	52.0	53.2	54.0	54.2	53.6	52.8	51.6	50.4	50.4	50.2	49.75
51.8	51.6	53.6	53.4	53.6	53.4	53.1	53.7	51.3	50.2	49.2	48.4	50.59
53.0	54.4	54.6	55.5	56.4	57.0	56.8	57.8	58.6	56.8	54.6	53.0	52.64
54.01	54.85	55.73	56.43	56.42	56.22	55.96	55.91	55.17	53.53	52.19	50.85	52.28

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	67	67	75	—	79	77	76	74	70	—	63	57	
		2	—	—	—	78	—	72	77	79	70	64	61	46	49
		3	72	74	73	77	80	79	77	80	77	76	76	72	52
		4	76	—	83	77	80	79	77	80	77	84	83	69	60
		5	63	69	71	77	92	85	82	88	88	82	73	64	61
		6	—	81	83	84	89	89	88	88	86	87	85	73	62
		7	78	78	79	82	83	87	88	88	86	87	85	73	62
		8	83	85	88	—	—	—	—	—	—	—	—	—	—
		9	—	—	—	70	73	78	78	78	77	77	78	65	58
		10	70	76	75	72	78	67	80	80	87	88	85	69	57
		11	66	68	76	79	81	83	81	81	88	86	82	74	62
		12	71	77	81	83	86	—	86	83	83	86	82	78	67
		13	52	51	56	—	57	54	44	44	47	50	49	41	37
		14	48	56	58	58	61	64	63	63	63	69	78	77	65
		15	76	78	79	—	—	—	—	—	—	—	—	—	—
		16	—	—	—	—	75	72	73	72	72	73	78	59	61
		17	45	52	52	60	58	66	68	71	71	79	68	62	54
		18	67	75	83	86	83	83	85	91	—	—	89	87	73
		19	65	67	66	78	79	75	85	83	83	83	83	70	61
		20	88	86	79	76	74	72	77	53	60	60	62	54	—
		21	51	60	62	61	67	72	74	76	81	60	60	73	57
		22	74	73	71	—	—	—	—	—	—	—	—	—	—
		23	—	—	—	60	60	62	63	63	63	64	64	55	55
		24	67	72	75	78	—	81	65	58	50	47	46	46	41
		25	81	79	78	78	—	81	81	77	75	63	54	54	50
		26	66	71	67	75	75	71	79	87	86	86	86	86	87
		27	83	82	79	90	91	89	89	—	91	84	80	80	74
		28	68	69	73	73	77	77	78	—	80	77	78	78	62
		29	77	80	82	—	—	—	—	—	—	—	—	—	—
		30	—	—	—	92	90	91	89	86	88	91	87	87	73
		31	93	93	93	92	93	94	97	95	96	93	88	88	82
		Hourly Means		70	73	75	77	77	77	78	77	77	75	68	61
Tension of the Vapour.	JANUARY.	1	In. .354	In. .324	In. .339	In. —	In. .335	In. .338	In. .339	In. .335	In. .317	In. —	In. .346	In. .352	
		2	—	—	—	.331	.335	.338	.339	.335	.317	—	.346	.352	
		3	.444	.431	.420	.423	.382	.377	.372	.330	.287	.282	.250	.273	
		4	.312	—	.307	.277	.285	.280	.267	.281	.280	.287	.307	.287	
		5	.242	.251	.242	.253	.294	.263	.244	.268	.264	.281	.290	.291	
		6	—	.334	.313	.313	.323	.322	.302	.299	.303	.309	.306	.319	
		7	.373	.366	.354	.360	.339	.345	.350	.335	.355	.381	.368	.366	
		8	.396	.401	.409	—	—	—	—	—	—	—	—	—	
		9	—	—	—	.255	.262	.277	.271	.262	.252	.277	.262	.255	
		10	.292	.312	.337	.286	.279	.228	.264	.275	.306	.323	.306	.290	
		11	.319	.313	.314	.313	.302	.306	.286	.299	.293	.309	.327	.319	
		12	.420	.323	.438	.435	.441	—	.456	.430	.444	.466	.484	.488	
		13	.320	.294	.312	—	.312	.286	.222	.214	.222	.232	.218	.224	
		14	.239	.266	.271	.266	.270	.278	.275	.275	.298	.307	.299	.280	
		15	.257	.259	.262	—	—	—	—	—	—	—	—	—	
		16	—	—	—	—	.326	.316	.321	.324	.334	.367	.288	.316	
		17	.193	.213	.202	.218	.212	.220	.220	.218	.240	.247	.248	.240	
		18	.331	.352	.379	.383	.372	.367	.368	.385	—	.405	.432	.431	
		19	.360	.359	.327	.353	.346	.331	.360	.353	.366	.381	.375	.386	
		20	.473	.467	.443	.437	.428	.410	.420	.272	.274	.292	.287	—	
		21	.274	.291	.269	.243	.246	.255	.252	.255	.276	.228	.309	.301	
		22	.336	.338	.329	—	—	—	—	—	—	—	—	—	
		23	—	—	—	.334	.329	.331	.328	.318	.321	.343	.321	.331	
		24	.410	.419	.421	.424	—	.415	.344	.314	.268	.263	.277	.270	
		25	.411	.407	.401	.393	—	.386	.361	.315	.292	.272	.278	.278	
		26	.341	.352	.331	.361	.359	.343	.361	.387	.370	.367	.371	.376	
		27	.346	.342	.324	.355	.347	.331	.317	—	.322	.305	.303	.301	
		28	.264	.268	.278	.280	.291	.291	.299	—	.303	.310	.327	.287	
		29	.337	.339	.350	—	—	—	—	—	—	—	—	—	
		30	—	—	—	.364	.366	.376	.374	.381	.387	.400	.425	.410	
		31	.422	.414	.414	.411	.411	.412	.410	.406	.408	.417	.418	.414	
		Hourly Means		.339	.337	.33	.336	.327	.323	.322	.314	.311	.322	.324	.323

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		
—	—	—	—	—	—	—	—	—	—	—	—	} 52	
41	37	37	40	38	22	20	18	17	23	47	74		
48	51	48	45	41	49	53	37	36	40	61	77		} 58
44	36	43	59	42	47	45	57	62	58	63	64		
49	42	36	29	33	42	49	51	53	57	62	68		62
50	45	43	44	42	44	43	49	51	57	63	74	65	
52	52	48	46	56	55	60	63	66	66	76	79	70	
—	—	—	—	—	—	—	—	—	—	—	—	} 62	
49	47	47	42	38	41	40	43	52	56	63	70		
50	46	44	40	45	44	43	42	45	50	60	64		62
54	47	37	31	32	34	34	37	—	49	29	62		60
60	39	33	31	29	24	45	52	63	71	72	58		63
34	36	35	25	23	25	26	27	29	30	40	46	40	
64	53	27	59	53	54	53	46	47	58	—	73	59	
—	—	—	—	—	—	—	—	—	—	—	—	} 55	
52	46	41	36	33	34	29	33	36	38	36	46		
40	36	33	31	32	35	83	46	50	56	59	66		54
55	51	51	39	43	33	38	40	45	47	50	58		63
61	51	52	48	46	42	40	47	55	75	83	89		66
48	45	39	32	30	30	29	27	29	32	39	44	52	
45	44	41	33	37	41	45	47	50	57	63	73	57	
—	—	—	—	—	—	—	—	—	—	—	—	} 47	
48	38	43	38	30	24	25	19	20	20	25	31		
35	34	31	29	32	26	40	44	56	64	69	76		53
45	31	33	36	34	36	36	39	40	45	53	62		56
85	85	86	86	84	88	89	81	74	84	92	89		82
64	61	56	59	53	55	60	64	64	66	67	68	70	
67	68	63	56	60	61	58	60	63	64	72	80	69	
—	—	—	—	—	—	—	—	—	—	—	—	} 77	
65	55	54	51	59	56	55	56	89	88	89	93		
68	61	63	63	66	66	62	69	—	74	79	84	81	
53	48	45	43	43	43	46	46	50	55	61	68	62	
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
—	—	—	—	—	—	—	—	—	—	—	—	} 340	
·329	·353	·366	·403	·401	·321	·313	·296	·282	·279	·359	·416		
·277	·296	·273	·277	·269	·280	·329	·269	·242	·245	·303	·328		·319
·239	·210	·256	·318	·274	·264	·248	·286	·281	·266	·265	·254		·275
·287	·281	·260	·222	·251	·276	·302	·314	·326	·330	·331	·333		·279
·311	·307	·327	·332	·328	·343	·337	·352	·349	·338	·349	·368	·325	
·366	·401	·391	·380	·428	·392	·414	·413	·380	·369	·384	·389	·375	
—	—	—	—	—	—	—	—	—	—	—	—	} 287	
·254	·253	·280	·277	·262	·282	·265	·264	·289	·285	·289	·303		
·280	·287	·291	·291	·318	·313	·318	·299	·307	·308	·331	·320		·298
·327	·346	·327	·304	·323	·356	·359	·329	—	·348	·256	·382		·320
·494	·412	·402	·399	·391	·343	·428	·406	·442	·451	·440	·364		·426
·215	·239	·254	·202	·182	·207	·214	·221	·235	·210	·232	·241	·240	
·315	·276	·165	·301	·285	·286	·277	·229	·220	·243	—	·265	·269	
—	—	—	—	—	—	—	—	—	—	—	—	} 292	
·304	·312	·299	·292	·284	·292	·335	·289	·283	·244	·191	·211		
·218	·210	·218	·231	·247	·249	·368	·302	·295	·306	·312	·332		·248
·384	·387	·428	·391	·434	·350	·410	·417	·411	·374	·351	·354		·387
·398	·383	·432	·449	·458	·425	·429	·452	·401	·434	·466	·487		·396
·305	·304	·294	·280	·275	·282	·288	·254	·271	·247	·252	·265	·327	
·263	·276	·289	·263	·287	·298	·318	·304	·308	·302	·312	·335	·281	
—	—	—	—	—	—	—	—	—	—	—	—	} 330	
·321	·317	·355	·388	·388	·336	·364	·296	·301	·284	·291	·317		
·246	·268	·261	·260	·286	·269	·356	·361	·360	·366	·373	·396		·327
·291	·234	·258	·299	·285	·293	·287	·314	·298	·291	·292	·324		·316
·368	·359	·366	·355	·343	·353	·367	·355	·341	·355	·378	·374		·360
·273	·277	·263	·298	·274	·280	·294	·298	·290	·288	·279	·270	·303	
·323	·329	·348	·336	·356	·359	·346	·337	·346	·334	·337	·353	·318	
—	—	—	—	—	—	—	—	—	—	—	—	} 402	
·425	·400	·404	·409	·466	·425	·422	·404	·472	·449	·429	·424		
·384	·379	·417	·401	·404	·421	·376	·385	—	·384	·393	·405	·405	
·315	·311	·316	·322	·327	·319	·337	·325	·322	·320	·328	·339	·325	

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	90	89	91	81	85	88	90	90	85	85	—	68	
		2	79	69	65	66	69	69	70	75	80	80	72	62	
		3	81	80	90	85	91	97	92	89	89	91	95	74	
		4	82	81	84	88	93	94	94	94	94	88	82	73	
		5	80	82	82	—	—	—	—	—	—	—	—	—	
		6	—	—	—	75	74	74	72	69	64	61	56	—	
		7	84	54	64	68	74	76	83	76	81	82	89	78	
		8	68	71	74	73	79	80	79	80	—	75	72	64	
		9	84	85	90	94	92	94	95	93	94	95	77	78	
		10	86	84	85	85	86	86	86	86	86	81	82	69	55
		11	83	89	88	91	90	87	90	95	97	96	94	91	
		12	91	90	94	—	—	—	—	—	—	—	—	—	
		13	—	—	—	88	90	90	94	93	97	95	93	87	
		14	73	77	77	78	—	86	95	94	95	90	90	76	
		15	81	86	86	87	85	88	89	94	91	89	87	84	
		16	72	74	77	85	86	86	89	91	94	91	90	77	
		17	76	78	80	80	79	79	81	82	84	88	87	78	
		18	86	90	87	88	89	91	91	93	89	88	80	72	
		19	71	75	73	—	—	—	—	—	—	—	—	—	
		20	—	—	—	69	68	71	72	71	67	68	96	65	
		21	65	75	73	74	75	—	79	83	83	78	84	75	
		22	61	65	64	70	70	73	75	—	79	79	77	72	
		23	77	79	86	85	82	84	82	85	85	86	85	74	
		24	73	72	71	71	74	76	75	79	76	79	82	77	
		25	84	88	90	94	95	94	85	86	86	95	83	77	
		26	83	86	87	—	—	—	—	—	—	—	—	—	
		27	—	—	—	86	86	86	83	85	87	88	86	85	
		28	97	97	95	94	94	91	91	89	91	89	87	81	
Hourly Means		80	80	81	82	83	84	85	86	86	85	83	75		
Tension of the Vapour.	FEBRUARY.	1	In. .393	In. .391	In. .407	In. .367	In. .375	In. .380	In. .382	In. .380	In. .351	In. .334	—	In. .326	
		2	.418	.356	.312	.319	.332	.332	.327	.330	.336	.346	.363	.351	
		3	.368	.349	.382	.349	.356	.388	.378	.363	.363	.374	.403	.389	
		4	.414	.402	.405	.401	.422	.420	.417	.420	.420	.403	.416	.437	
		5	.407	.406	.394	—	—	—	—	—	—	—	—	—	
		6	—	—	—	.553	.518	.518	.494	.481	.463	.475	.473	—	
		7	.527	.356	.371	.369	.387	.396	.421	.384	.413	.417	.463	.465	
		8	.364	.367	.372	.367	.374	.376	.369	.363	—	.363	.374	.370	
		9	.420	.411	.424	.439	.423	.443	.449	.443	.456	.466	.438	.453	
		10	.444	.437	.443	.443	.453	.453	.453	.452	.406	.399	.357	.312	
		11	.378	.374	.369	.376	.375	.355	.362	.375	.389	.384	.383	.382	
		12	.370	.347	.347	—	—	—	—	—	—	—	—	—	
		13	—	—	—	.351	.350	.347	.350	.348	.342	.344	.360	.384	
		14	.341	.356	.351	.353	—	.355	.362	.365	.375	.372	.397	.386	
		15	.420	.439	.424	.437	.415	.403	.419	.427	.414	.405	.414	.423	
		16	.349	.348	.351	.388	.384	.381	.385	.389	.403	.397	.402	.401	
		17	.388	.392	.394	.395	.391	.391	.399	.401	.409	.425	.443	.439	
		18	.516	.531	.496	.480	.460	.427	.415	.408	.391	.387	.347	.316	
		19	.310	.317	.304	—	—	—	—	—	—	—	—	—	
		20	—	—	—	.274	.273	.275	.276	.267	.257	.258	.370	.263	
		21	.250	.272	.252	.251	.250	—	.257	.264	.265	.263	.289	.303	
		22	.332	.327	.306	.341	.324	.320	.314	—	.318	.328	.361	.363	
		23	.452	.435	.449	.438	.427	.418	.404	.408	.401	.406	.443	.443	
		24	.524	.504	.502	.492	.498	.503	.484	.503	.493	.509	.531	.520	
		25	.402	.401	.397	.399	.389	.370	.326	.319	.311	.330	.343	.362	
		26	.404	.418	.425	—	—	—	—	—	—	—	—	—	
		27	—	—	—	.439	.433	.432	.420	.426	.436	.439	.432	.426	
		28	.440	.448	.445	.443	.443	.437	.437	.433	.448	.450	.459	.473	
Hourly Means		.401	.391	.388	.394	.394	.397	.388	.389	.385	.386	.403	.391		

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	
54	51	41	42	42	41	36	39	38	45	65	73	66
48	49	50	51	51	52	53	54	57	65	72	77	64
56	59	54	56	53	57	53	44	57	67	74	79	74
58	55	46	46	57	50	55	54	47	53	72	80	72
47	36	36	34	36	37	56	75	84	84	84	87	65
63	68	50	53	59	63	62	76	78	76	64	66	70
67	63	58	53	57	59	60	61	67	70	69	82	69
62	55	55	53	50	54	58	62	74	75	82	83	76
53	43	43	36	41	47	46	54	55	62	67	67	67
90	88	78	75	67	80	79	75	83	78	89	87	86
74	55	58	48	54	49	53	—	64	65	67	73	77
68	62	64	59	52	55	61	63	70	76	78	81	75
70	60	61	60	58	55	53	57	59	64	71	70	74
71	70	61	63	59	60	53	55	61	64	70	71	74
76	65	62	64	62	57	63	55	73	74	79	89	75
69	58	65	66	65	65	59	71	75	71	69	71	77
56	49	46	37	44	40	42	45	49	53	58	64	60
64	55	51	48	43	41	44	48	42	54	34	74	63
61	60	53	50	41	53	48	49	53	60	68	73	63
66	57	52	49	45	41	47	49	51	63	69	70	69
54	66	54	61	62	69	66	61	64	71	76	81	70
64	59	57	55	54	57	60	62	67	75	78	81	76
81	82	78	64	57	69	74	76	82	86	88	95	82
73	69	63	55	57	59	56	54	62	69	77	76	78
64	60	56	53	53	55	56	58	63	68	72	77	72
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·302	·324	·315	·312	·348	·350	·323	·371	·346	·338	·403	·395	·357
·311	·328	·350	·373	·371	·369	·374	·364	·358	·359	·358	·364	·350
·325	·384	·383	·416	·410	·425	·398	·324	·394	·408	·406	·410	·381
·403	·403	·406	·420	·459	·411	·423	·411	·350	·352	·429	·443	·412
—	—	—	—	—	—	—	—	—	—	—	—	·493
·518	·461	·486	·499	·514	·521	·478	·500	·551	·543	·545	·549	·413
·386	·448	·381	·422	·446	·415	·399	·431	·444	·435	·371	·361	·398
·404	·423	·420	·430	·453	·440	·443	·427	·434	·411	·391	·416	·445
·445	·416	·452	·455	·453	·474	·457	·438	·471	·458	·461	·438	·373
·325	·306	·319	·304	·319	·330	·319	·351	·328	·328	·342	·330	·380
·382	·393	·399	·420	·383	·409	·393	·348	·382	·368	·385	·362	·349
—	—	—	—	—	—	—	—	—	—	—	—	·383
·374	·325	·347	·324	·356	·338	·353	—	·351	·338	·330	·348	·396
·373	·396	·397	·398	·397	·358	·394	·395	·413	·423	·426	·424	·396
·420	·402	·400	·380	·380	·386	·349	·347	·339	·348	·360	·347	·391
·389	·417	·403	·426	·406	·417	·390	·398	·405	·398	·391	·375	·439
·433	·439	·435	·473	·455	·453	·489	·412	·520	·501	·503	·543	·389
·315	·294	·363	·370	·388	·388	·343	·366	·366	·348	·317	·314	·269
—	—	—	—	—	—	—	—	—	—	—	—	·303
·248	·249	·240	·222	·275	·241	·246	·253	·260	·254	·254	·260	·388
·303	·313	·319	·346	·333	·345	·372	·411	·358	·379	·215	·369	·465
·379	·389	·400	·437	·390	·497	·458	·454	·471	·467	·477	·468	·480
·446	·454	·460	·491	·495	·481	·554	·563	·525	·533	·528	·504	·377
·419	·559	·508	·471	·453	·456	·456	·426	·453	·443	·410	·409	·421
·354	·354	·375	·394	·412	·407	·413	·403	·386	·402	·390	·398	·466
—	—	—	—	—	—	—	—	—	—	—	—	—
·400	·414	·445	·437	·396	·400	·405	·402	·408	·416	·410	·429	—
·468	·477	·481	·503	·531	·566	·503	·464	·463	·464	·473	·443	—
·380	·390	·394	·414	·409	·412	·397	·403	·407	·405	·399	·404	·397

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	83	92	88	91	86	79	78	77	73	74	70	62	
		2	63	62	62	67	69	71	71	70	72	73	73	65	
		3	86	82	85	95	88	88	89	94	90	91	88	76	
		4	88	86	88	83	72	72	70	76	82	82	80	68	
		5	—	76	76	—	—	—	—	—	—	—	—	—	—
		6	—	—	—	76	76	76	75	70	72	69	77	69	69
		7	—	73	81	79	—	—	—	—	84	89	85	77	77
		8	77	77	79	86	85	91	94	91	89	86	87	82	82
		9	79	78	81	79	85	86	86	86	87	91	92	92	94
		10	61	67	68	74	72	76	80	75	78	72	72	67	67
		11	76	76	78	76	69	70	82	73	74	71	69	67	67
		12	69	62	68	—	—	—	—	—	—	—	—	—	—
		13	—	—	—	78	61	67	76	77	84	88	85	74	74
		14	74	75	79	—	80	86	93	86	88	86	91	81	81
		15	76	72	80	86	87	81	77	84	79	75	74	72	72
		16	70	60	68	73	83	83	83	81	89	84	73	79	79
		17	86	86	86	87	86	85	86	86	82	82	72	72	72
		18	76	93	90	88	79	81	81	73	74	71	67	65	65
		19	57	61	67	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	80	83	—	62	58	59	57	58	58	58
		21	56	59	61	60	58	63	65	72	76	75	85	85	85
		22	69	78	78	77	82	75	76	72	72	78	80	67	67
		23	85	76	70	69	70	66	69	66	70	67	62	61	61
		24	54	57	81	54	55	57	58	58	60	61	66	58	58
		25	78	77	78	82	85	83	89	84	88	91	95	77	77
		26	82	82	81	—	—	—	—	—	—	—	—	—	—
		27	—	—	—	80	80	79	79	80	89	89	88	86	86
		28	81	82	93	86	83	—	87	81	94	90	90	92	92
		29	90	93	98	92	85	92	95	94	93	94	90	90	92
		30	82	80	82	82	83	70	64	63	64	67	70	65	65
		31	70	70	70	68	69	70	73	76	82	80	80	75	75
		Hourly Means		75	75	78	79	77	77	78	77	80	79	79	73
Tension of the Vapour.	MARCH.	1	In. .445	In. .460	In. .420	In. .414	In. .417	In. .403	In. .403	In. .392	In. .388	In. .396	In. .420	In. .417	
		2	.325	.305	.296	.307	.313	.323	.323	.310	.315	.318	.339	.349	
		3	.404	.375	.367	.388	.356	.347	.337	.344	.333	.336	.369	.365	
		4	.371	.363	.364	.341	.279	.268	.255	.270	.272	.282	.295	.278	
		5	—	.302	.297	—	—	—	—	—	—	—	—	—	—
		6	—	—	—	.327	.323	.323	.319	.296	.297	.271	.320	.315	.315
		7	—	.333	.347	.324	—	—	—	—	.308	.322	.332	.340	.340
		8	.403	.368	.352	.370	.361	.382	.399	.393	.394	.404	.428	.428	.428
		9	.460	.443	.455	.437	.440	.446	.449	.454	.471	.477	.495	.500	.500
		10	.268	.279	.277	.299	.286	.298	.310	.294	.302	.286	.298	.304	.304
		11	.335	.328	.336	.328	.296	.294	.333	.290	.285	.283	.293	.306	.306
		12	.313	.277	.287	—	—	—	—	—	—	—	—	—	—
		13	—	—	—	.337	.248	.241	.261	.254	.278	.297	.302	.295	.295
		14	.323	.330	.341	—	.292	.307	.319	.285	.281	.290	.331	.338	.338
		15	.335	.298	.303	.319	.332	.302	.281	.311	.294	.286	.296	.311	.311
		16	.244	.200	.213	.218	.239	.239	.236	.229	.237	.224	.210	.255	.255
		17	.348	.352	.352	.355	.352	.334	.307	.295	.291	.300	.298	.318	.318
		18	.312	.348	.343	.317	.274	.280	.279	.266	.272	.274	.274	.274	.274
		19	.239	.250	.262	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	.335	.377	—	.284	.263	.268	.273	.277	.279	.279
		21	.232	.238	.243	.238	.220	.228	.219	.232	.239	.233	.272	.290	.290
		22	.272	.302	.302	.310	.321	.309	.296	.279	.266	.284	.312	.297	.297
		23	.357	.312	.292	.289	.292	.275	.284	.271	.276	.282	.268	.276	.276
		24	.215	.226	.308	.201	.202	.213	.212	.215	.218	.222	.236	.233	.233
		25	.269	.256	.250	.253	.251	.243	.257	.241	.251	.258	.294	.275	.275
		26	.370	.368	.357	—	—	—	—	—	—	—	—	—	—
		27	—	—	—	.355	.355	.352	.352	.352	.391	.389	.380	.380	.380
		28	.357	.360	.385	.373	.263	—	.352	.318	.350	.355	.370	.391	.391
		29	.389	.383	.405	.384	.361	.378	.389	.379	.373	.380	.388	.408	.408
		30	.484	.466	.466	.454	.469	.419	.396	.390	.391	.387	.396	.388	.388
		31	.354	.353	.348	.339	.343	.346	.356	.366	.380	.377	.377	.374	.374
		Hourly Means		.337	.329	.332	.331	.318	.315	.316	.307	.312	.314	.329	.333

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	54	51	69	60	45	50	50	56	60	54	49	67
60	57	53	48	40	51	51	50	53	67	78	80	63
61	53	50	48	50	49	67	66	76	90	95	92	77
58	56	46	47	49	51	57	62	65	68	72	71	69
62	57	54	49	49	51	53	50	51	55	61	69	64
71	61	53	47	47	44	47	50	53	58	68	74	65
71	61	53	53	50	53	55	46	66	72	75	76	73
71	68	59	55	50	55	55	54	47	52	86	62	73
60	51	47	42	46	37	44	40	43	55	61	69	61
58	73	53	43	40	47	43	45	49	58	75	77	64
64	55	52	56	53	60	56	52	59	66	70	70	67
68	59	56	50	50	69	72	67	75	76	80	74	75
65	69	61	58	45	46	49	47	56	61	64	67	68
75	62	57	54	52	46	52	57	66	74	80	86	70
54	54	45	51	44	56	60	62	67	73	76	82	72
64	53	44	42	37	34	32	38	45	44	48	56	62
55	53	47	64	43	42	50	55	47	48	53	57	57
62	48	50	43	38	44	43	45	54	58	66	66	60
62	57	50	44	44	41	36	38	54	66	77	75	65
57	43	45	53	56	58	59	62	58	52	55	50	62
46	45	39	41	43	46	47	51	55	60	68	68	55
73	67	60	48	51	47	54	61	64	75	79	84	74
83	73	65	64	65	57	58	60	76	76	76	76	76
72	60	58	53	61	57	61	63	70	76	82	86	76
76	62	54	45	38	36	49	58	70	76	79	83	76
57	60	56	51	54	56	50	49	56	59	63	66	65
79	79	80	—	69	75	58	56	68	64	64	68	71
64	59	53	51	49	50	52	53	59	64	71	72	68
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·438	·505	·525	·542	·544	·414	·382	·376	·398	·374	·303	·278	·419
·352	·369	·390	·390	·352	·411	·422	·392	·372	·402	·415	·394	·354
·352	·346	·345	·374	·381	·378	·397	·368	·367	·391	·402	·388	·367
·261	·263	·241	·251	·276	·282	·292	·295	·294	·284	·293	·288	·290
·314	·325	·332	·327	·346	·383	·375	·355	·348	·330	·315	·323	·325
·351	·350	·344	·345	·366	·369	·398	·413	·409	·385	·395	·400	·360
·433	·406	·392	·421	·417	·459	·448	·470	·444	·452	·451	·448	·414
·470	·482	·471	·453	·471	·450	·372	·337	·286	·274	·406	·276	·428
·313	·299	·318	·301	·342	·301	·316	·307	·302	·317	·316	·332	·303
·303	·374	·340	·306	·310	·334	·313	·311	·312	·322	·351	·349	·318
·305	·299	·299	·328	·315	·351	·332	·303	·303	·305	·314	·314	·298
·336	·337	·361	·362	·346	·399	·379	·363	·371	·362	·362	·333	·337
·305	·318	·266	·268	·229	·239	·266	·245	·252	·247	·241	·237	·283
·276	·262	·266	·279	·297	·275	·307	·318	·331	·336	·346	·350	·266
·270	·292	·288	·300	·280	·334	·347	·339	·342	·335	·328	·347	·321
·290	·294	·276	·292	·262	·264	·243	·264	·285	·239	·239	·248	·280
·277	·283	·274	·362	·269	·262	·295	·304	·257	·242	·238	·244	·279
·285	·244	·276	·254	·242	·272	·274	·267	·294	·274	·281	·278	·255
·294	·307	·306	·298	·313	·321	·294	·307	·358	·378	·378	·335	·310
·288	·266	·256	·291	·297	·309	·312	·323	·288	·242	·240	·209	·283
·211	·228	·205	·227	·234	·246	·256	·258	·253	·255	·271	·248	·233
·280	·290	·309	·279	·309	·289	·302	·330	·324	·348	·356	·376	·287
·412	·387	·374	·361	·377	·352	·334	·320	—	·347	·341	·340	·363
·377	·357	·361	·340	·383	·369	·383	·388	·390	·399	·391	·385	·365
·409	·392	·392	·374	·358	·354	·413	·441	·460	·482	·485	·489	·403
·346	·358	·347	·327	·335	·341	·361	·335	·340	·339	·347	·349	·385
·390	·377	·374	—	·327	·362	·290	·268	·301	·262	·253	·264	·338
·331	·334	·332	·333	·333	·338	·337	·333	·334	·331	·336	·327	·328

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	68	67	70	80	84	64	72	70	72	73	78	
		2	81	86	88	—	—	—	—	—	—	—	—	—	
		3	—	—	—	83	83	80	80	80	83	78	82	91	79
		4	59	67	82	—	100	80	80	81	88	81	73	71	70
		5	77	78	80	73	73	73	73	78	85	89	89	94	94
		6	81	75	48	85	80	81	81	81	80	78	79	82	84
		7	69	66	70	70	71	73	73	74	80	80	77	81	76
		8	87	86	89	85	82	85	85	84	85	86	90	92	72
		9	67	69	77	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	78	79	79	79	79	81	81	82	81	75
		11	71	73	81	80	80	80	80	83	83	89	87	82	82
		12	76	76	75	77	82	69	80	80	—	78	81	82	81
		13	82	87	85	97	84	86	86	85	89	90	89	88	88
		14	68	74	75	76	75	69	68	72	70	68	68	68	73
		15	74	75	76	77	80	78	76	76	79	78	84	82	77
		16	67	80	—	—	—	—	—	—	—	—	—	—	—
		17	—	—	—	—	68	70	74	76	76	81	81	85	90
		18	90	86	84	88	87	92	94	94	100	98	94	94	89
		19	94	95	95	93	91	91	90	90	92	90	93	95	91
		20	85	89	85	96	96	93	90	90	90	89	88	95	93
		21	89	96	95	92	89	85	90	94	88	88	77	88	84
		22	80	79	80	88	83	83	89	88	88	89	88	88	—
		23	97	96	94	—	—	—	—	—	—	—	—	—	—
		24	—	—	—	81	—	79	79	70	57	65	67	67	72
		25	66	67	68	89	64	60	66	67	75	75	71	71	72
		26	51	70	71	68	75	80	80	92	89	81	80	80	74
		27	79	82	81	79	78	74	73	73	77	75	80	80	79
		28	81	80	75	78	81	86	83	82	87	90	89	89	85
		29	81	89	91	95	96	96	95	95	94	96	96	96	95
		30	75	76	77	—	—	—	—	—	—	—	—	—	—
		May	1	—	—	83	72	73	76	76	76	77	77	76	74
Hourly Means		77	79	80	83	81	80	81	83	82	82	84	81		
Tension of the Vapour.	APRIL.	1	In. .264	In. .266	In. .260	In. .265	In. .301	In. .314	In. .221	In. .228	In. .224	In. .231	In. .240	In. .260	
		2	.296	.295	.293	—	—	—	—	—	—	—	—	—	
		3	—	—	—	.276	.274	.264	.258	.256	.250	.246	.281	.266	
		4	.295	.326	.354	—	.378	.292	.292	.299	.277	.250	.263	.271	.271
		5	.248	.251	.252	.233	.233	.233	.245	.301	.309	.304	.311	.331	
		6	.289	.265	.168	.279	.261	.267	.268	.264	.259	.256	.268	.301	
		7	.199	.195	.218	.222	.236	.236	.243	.258	.264	.276	.299	.299	
		8	.358	.352	.359	.336	.321	.312	.303	.294	.283	.303	.318	.270	
		9	.295	.297	.318	—	—	—	—	—	—	—	—	—	
		10	—	—	—	.219	.220	.222	.218	.223	.216	.218	.219	.228	
		11	.199	.205	.215	.211	.208	.204	.204	.206	.226	.226	.216	.243	
		12	.229	.233	.235	.239	.245	.217	.268	—	.258	.288	.297	.316	
		13	.350	.351	.334	.375	.327	.329	.316	.317	.314	.312	.309	.321	
		14	.324	.337	.326	.323	.313	.382	.268	.271	.266	.262	.274	.296	
		15	.251	.254	.249	.247	.244	.250	.238	.236	.230	.244	.242	.252	
		16	.269	.315	—	—	—	—	—	—	—	—	—	—	
		17	—	—	—	—	.214	.219	.225	.224	.219	.222	.226	.253	
		18	.325	.307	.296	.302	.285	.285	.286	.295	.290	.290	.302	.296	
		19	.331	.335	.333	.325	.317	.312	.304	.303	.287	.301	.309	.322	
		20	.300	.298	.277	.311	.316	.306	.298	.300	.283	.278	.283	.311	
		21	.313	.336	.333	.322	.310	.277	.272	.286	.270	.252	.272	.267	
		22	.289	.283	.286	.297	.287	.280	.293	.287	.287	.283	.286	—	
		23	.387	.384	.379	—	—	—	—	—	—	—	—	—	
		24	—	—	—	.311	—	.313	.328	.284	.227	.238	.245	.269	
		25	.229	.228	.237	.304	.216	.201	.216	.219	.238	.243	.237	.245	
		26	.252	.298	.308	.306	.321	.316	.299	.314	.300	.274	.264	.247	
		27	.224	.224	.224	.219	.218	.212	.208	.206	.209	.201	.211	.217	
		28	.237	.237	.222	.230	.236	.251	.246	.256	.265	.280	.293	.290	
		29	.346	.376	.382	.389	.379	.379	.375	.372	.359	.354	.356	.377	
		30	.274	.274	.273	—	—	—	—	—	—	—	—	—	
		May	1	—	—	.339	.306	.317	.335	.338	.342	.342	.343	.348	
Hourly Means		.284	.289	.285	.287	.279	.277	.270	.274	.267	.268	.276	.284		

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	62	54	49	45	45	52	54	67	73	76	84	67
80	67	56	41	37	35	36	40	48	54	58	60	67
64	56	48	48	47	46	50	52	61	60	62	66	66
74	64	61	53	41	45	53	73	80	85	74	80	74
63	61	64	62	58	61	58	55	60	63	61	63	69
74	69	64	68	63	66	66	68	72	80	86	86	73
81	76	64	60	53	55	54	54	54	59	62	68	74
71	72	63	61	48	54	76	77	61	68	66	70	72
69	66	61	59	59	60	59	63	59	66	72	73	72
76	73	68	60	62	65	62	65	67	76	82	84	74
81	69	61	57	44	41	48	50	53	58	60	60	72
68	58	54	47	43	47	47	46	56	58	66	69	63
68	66	62	61	48	45	50	50	54	54	59	63	67
81	75	74	66	63	61	73	81	83	84	89	86	77
89	80	66	63	60	59	63	71	79	86	95	92	83
85	70	65	57	59	54	62	67	72	76	82	85	81
92	78	68	57	49	62	64	73	73	80	69	81	81
79	73	63	68	61	53	53	66	73	74	80	78	79
84	76	72	66	63	59	58	71	84	92	90	95	81
73	59	53	46	53	52	51	58	59	69	65	65	68
67	64	62	63	60	54	49	52	53	61	64	63	65
74	72	64	55	45	47	50	58	70	69	76	79	70
71	63	63	57	61	59	62	64	66	69	76	81	72
80	78	73	77	64	64	67	67	72	75	77	80	78
82	74	77	80	64	60	60	62	62	68	73	73	81
79	—	89	77	84	79	80	85	90	90	95	70	80
76	69	64	60	55	55	58	62	67	71	74	75	73
In. .284	In. .268	In. .260	In. .260	In. .263	In. .297	In. .334	In. .315	In. .339	In. .335	In. .315	In. .332	In. .278
.284	.288	.272	.236	.254	.223	.244	.249	.273	.294	.304	.309	.270
.273	.266	.243	.249	.263	.261	.257	.250	.271	.246	.230	.225	.275
.311	.292	.304	.282	.222	.240	.252	.297	.314	.319	.276	.290	.277
.255	.247	.255	.256	.235	.248	.230	.215	.218	.217	.196	.191	.246
.312	.343	.318	.365	.359	.370	.371	.381	.376	.366	.385	.370	.303
.320	.345	.331	.341	.316	.333	.335	.334	.317	.310	.313	.321	.322
.220	.235	.225	.254	.196	.217	.249	.240	.182	.196	.189	.198	.229
.228	.226	.225	.219	.230	.235	.234	.239	.214	.226	.228	.232	.221
.328	.343	.368	.349	.354	.375	.368	.359	.361	.363	.375	.371	.310
.321	.323	.325	.355	.317	.282	.304	.300	.302	.314	.315	.310	.322
.312	.291	.288	.262	.251	.257	.255	.228	.234	.228	.241	.243	.281
.249	.268	.275	.317	.284	.260	.290	.281	.275	.268	.250	.260	.259
.269	.276	.299	.316	.315	.313	.335	.348	.335	.316	.317	.315	.280
.311	.315	.303	.310	.309	.305	.310	.316	.307	.322	.336	.328	.306
.326	.297	.299	.284	.283	.273	.292	.300	.298	.289	.306	.305	.306
.333	.327	.322	.284	.252	.304	.297	.314	.295	.315	.265	.288	.298
.283	.288	.285	.322	.307	.289	.292	.319	.317	.298	.313	.297	.297
.329	.335	.357	.363	.381	.380	.354	.366	.378	.391	.370	.375	.328
.281	.262	.244	.217	.235	.252	.243	.254	.239	.261	.243	.235	.275
.248	.252	.257	.266	.274	.272	.253	.254	.246	.268	.277	.274	.248
.248	.256	.249	.233	.216	.220	.209	.217	.238	.219	.230	.229	.261
.213	.208	.224	.219	.223	.215	.222	.224	.216	.212	.217	.229	.217
.295	.320	.313	.344	.336	.330	.339	.342	.337	.344	.349	.355	.294
.360	.344	.358	.410	.326	.310	.317	.320	.271	.270	.271	.270	.345
.374	—	.391	.356	.394	.389	.374	.380	.377	.370	.375	.303	.344
.291	.289	.292	.295	.284	.287	.291	.294	.290	.291	.288	.287	.284

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 ^a	—	—	—	77	72	73	76	76	77	76	74	
		2	67	72	69	65	71	74	73	82	80	—	81	80
		3	61	64	68	70	71	73	72	70	71	75	76	74
		4	71	64	69	73	73	74	71	64	74	85	85	84
		5	61	61	62	60	61	67	67	73	78	77	82	81
		6	86	86	87	90	85	70	67	74	75	76	71	70
		7	77	77	82	—	—	—	—	—	—	—	—	—
		8	—	—	—	83	85	81	81	80	79	84	82	87
		9	73	77	85	74	76	78	79	78	73	78	78	79
		10	81	80	81	92	85	80	75	74	70	63	59	62
		11	80	83	89	84	82	82	79	77	80	81	79	79
		12	94	93	95	95	94	—	91	84	82	93	94	85
		13	78	74	75	71	81	85	78	75	75	78	77	79
		14	84	83	90	—	—	—	—	—	—	—	—	—
		15	—	—	—	91	92	92	94	—	92	92	95	94
		16	85	93	89	91	92	91	88	83	86	91	94	97
		17	83	85	85	90	89	89	90	95	99	99	95	98
		18	96	100	100	100	96	96	99	98	92	95	97	99
		19	83	84	85	84	88	88	86	86	86	90	93	89
		20	70	69	74	78	81	81	79	83	90	94	95	94
		21	95	92	94	—	—	—	—	—	—	—	—	—
		22	—	—	—	82	82	80	80	80	81	82	85	88
		23	76	81	79	80	80	81	81	83	82	84	84	89
		24	74	83	83	83	84	82	82	79	81	77	82	82
		25	74	74	73	76	75	73	82	76	79	73	73	75
		26	79	77	80	82	73	77	80	82	80	80	81	81
		27	79	80	81	82	84	80	77	77	75	68	71	74
		28	70	76	74	—	—	—	—	—	—	—	—	—
		29	—	—	—	74	73	72	72	67	75	72	70	66
		30	72	75	—	82	85	88	90	94	100	86	82	73
		31	70	70	71	74	—	79	75	68	71	74	78	85
Hourly Means		78	79	81	81	82	81	80	76	81	82	82	83	
Tension of the Vapour.	MAY.	1 ^a	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
		2	·297	·311	·306	·327	·306	·317	·335	·338	·342	·342	·342	·348
		3	·284	·286	·292	·265	·286	·274	·260	·274	·269	—	·285	·293
		4	·314	·274	·285	·292	·292	·304	·309	·308	·306	·318	·314	·305
		5	·286	·282	·290	·293	·277	·272	·260	·248	·279	·315	·319	·321
		6	·253	·255	·258	·259	·259	·263	·250	·255	·257	·253	·268	·270
		7	·252	·254	·261	·260	·255	·230	·223	·236	·238	·244	·238	·240
		8	—	—	—	—	—	—	—	—	—	—	—	—
		9	·264	·273	·288	·291	·293	·282	·269	·259	·255	·267	·253	·265
		10	·321	·308	·309	·264	·265	·269	·269	·266	·247	·266	·271	·283
		11	·205	·211	·217	·338	·314	·294	·275	·273	·247	·219	·200	·208
		12	·317	·311	·317	·211	·208	·208	·204	·203	·212	·218	·221	·225
		13	·321	·316	·323	·317	·321	—	·330	·322	·330	·360	·356	·348
		14	·239	·225	·231	·314	·342	·340	·318	·300	·292	·298	·298	·305
		15	—	—	—	—	—	—	—	—	—	—	—	—
		16	·277	·295	·283	·258	·257	·250	·249	—	·234	·232	·235	·235
		17	·312	·316	·314	·279	·275	·268	·253	·225	·231	·238	·240	·264
		18	·316	·323	·330	·326	·320	·315	·314	·321	·336	·332	·321	·328
		19	·281	·281	·287	·330	·314	·306	·304	·294	·263	·243	·260	·267
		20	·297	·297	·313	·281	·284	·284	·281	·283	·281	·295	·306	·322
		21	·305	·295	·287	·320	·326	·328	·328	·345	·353	·351	·332	·328
		22	—	—	—	—	—	—	—	—	—	—	—	—
		23	·199	·198	·194	·246	·246	·244	·247	·244	·248	·250	·255	·259
		24	·178	·201	·199	·189	·189	·190	·190	·194	·191	·196	·195	·219
		25	·244	·242	·240	·197	·205	·211	·223	·219	·230	·227	·242	·253
		26	·247	·235	·241	·244	·238	·224	·250	·243	·248	·235	·236	·238
		27	·309	·306	·306	·246	·222	·235	·247	·253	·249	·252	·262	·269
		28	·228	·229	·212	·308	·316	·295	·285	·286	·270	·242	·242	·252
		29	—	—	—	—	—	—	—	—	—	—	—	—
		30	·235	·241	—	·283	·275	·271	·268	·253	·262	·252	·245	·228
		31	·245	·247	·246	·247	·255	·261	·266	·285	·342	·323	·309	·272
Hourly Means		·270	·270	·273	·253	—	·264	·262	·250	·273	·290	·308		

^a Omitted in the daily means.

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	
79	—	89	77	84	79	80	85	90	90	95	70	66
73	70	62	56	59	53	59	52	53	56	58	62	
78	67	53	38	35	33	37	41	56	77	85	84	64
74	70	63	57	57	51	55	58	64	66	68	64	68
72	73	75	62	56	57	62	63	67	70	75	82	69
76	73	68	75	61	60	63	63	68	71	74	75	74
—	—	—	—	—	—	—	—	—	—	—	—	75
68	69	67	59	58	63	68	73	75	76	76	74	
69	69	63	60	55	57	53	57	62	70	73	76	71
62	71	59	66	59	57	60	69	74	80	81	77	72
78	78	68	68	60	55	57	63	69	78	85	89	76
77	73	68	64	61	58	57	58	60	65	73	73	78
79	74	75	83	84	84	86	84	85	84	87	85	80
—	—	—	—	—	—	—	—	—	—	—	—	87
95	92	83	78	76	74	75	76	81	85	89	87	
90	90	86	82	77	75	74	75	80	84	84	83	86
98	97	100	98	96	94	95	93	91	95	98	95	94
100	95	92	84	77	72	74	77	72	78	78	83	90
89	85	77	68	64	63	65	67	66	70	72	71	79
96	97	92	91	92	93	—	91	93	95	93	93	88
—	—	—	—	—	—	—	—	—	—	—	—	83
89	88	82	81	82	76	80	80	79	79	80	82	
80	73	58	69	70	71	56	63	71	77	76	78	76
85	74	69	65	66	60	60	68	67	71	74	75	75
80	77	72	69	67	63	66	68	73	73	72	76	73
81	78	73	66	69	69	70	71	77	80	83	79	77
74	74	68	68	63	59	58	63	66	70	68	65	72
—	—	—	—	—	—	—	—	—	—	—	—	66
66	58	59	52	53	56	59	59	62	64	68	67	
65	61	58	56	53	52	50	54	67	63	70	68	72
75	—	64	61	56	37	59	60	63	66	74	76	69
80	77	71	68	66	63	64	67	71	75	78	78	76
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·374	—	·365	·356	·394	·389	·374	·380	·377	·370	·375	·303	·283
·297	·307	·297	·290	·291	·265	·302	·262	·260	·260	·270	·289	
·332	·348	·324	·288	·273	·259	·271	·289	·352	·407	·416	·386	·315
·314	·328	·323	·302	·319	·275	·291	·291	·299	·304	·310	·293	·296
·257	·260	·284	·238	·212	·214	·222	·213	·212	·222	·230	·242	·250
·263	·267	·279	·254	·261	·252	·261	·247	·251	·248	·250	·247	·250
—	—	—	—	—	—	—	—	—	—	—	—	·266
·231	·251	·246	·267	·248	·261	·272	·286	·285	·280	·275	·271	
·270	·288	·283	·288	·275	·281	·266	·258	·266	·285	·293	·301	·274
·213	·252	·221	·247	·234	·225	·207	·210	·206	·209	·206	·197	·247
·235	·258	·262	·272	·255	·251	·254	·253	·263	·288	·300	·305	·239
·343	·335	·333	·320	·316	·303	·285	·271	·264	·265	·291	·292	·315
·334	·327	·318	·318	·314	·325	·329	·320	·305	·285	·275	·253	·311
—	—	—	—	—	—	—	—	—	—	—	—	·269
·265	·282	·287	·301	·295	·298	·300	·296	·305	·299	·310	·296	
·275	·291	·301	·321	·327	·329	·337	·320	·311	·306	·302	·309	·286
·335	·336	·348	·367	·378	·373	·380	·367	·349	·342	·349	·334	·338
·295	·308	·328	·332	·330	·321	·324	·324	·283	·282	·273	·285	·302
·333	·353	·370	·345	·326	·302	·302	·304	·297	·303	·303	·300	·304
·328	·344	·338	·333	·334	·336	—	·319	·318	·321	·306	·305	·326
—	—	—	—	—	—	—	—	—	—	—	—	·251
·257	·262	·249	·255	·262	·241	·244	·236	·224	·222	·219	·219	
·221	·210	·178	·204	·206	·208	·173	·176	·186	·195	·187	·190	·195
·277	·265	·270	·274	·283	·252	·231	·249	·238	·245	·248	·250	·236
·264	·279	·284	·285	·288	·266	·275	·265	·264	·250	·238	·243	·254
·279	·297	·298	·284	·297	·297	·323	·304	·311	·323	·329	·313	·276
·252	·266	·261	·272	·252	·241	·224	·228	·227	·231	·217	·207	·262
—	—	—	—	—	—	—	—	—	—	—	—	·243
·255	·239	·251	·230	·237	·237	·239	·229	·228	·227	·232	·228	
·257	·248	·247	·244	·235	·227	·216	·210	·243	·221	·240	·241	·255
·297	—	·293	·286	·272	·212	·279	·252	·239	·237	·249	·245	·251
·280	·280	·287	·285	·282	·271	·272	·268	·269	·271	·274	·271	·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. JUNE.	1	76	78	81	80	83	83	84	84	—	91	85	92
	2	80	83	81	78	78	77	79	86	—	81	81	86
	3	83	80	80	81	82	88	82	85	88	88	88	87
	4	75	75	78	—	—	—	—	—	—	—	—	—
	5	—	—	—	94	97	—	93	91	88	87	88	88
	6	76	77	80	79	84	84	86	90	91	92	95	92
	7	85	81	82	81	77	77	75	75	80	78	79	80
	8	80	81	82	79	—	80	79	77	79	82	81	81
	9	87	92	95	95	89	93	94	93	93	92	89	86
	10	94	94	94	92	94	92	94	96	90	96	99	95
	11	—	81	80	—	—	—	—	—	—	—	—	—
	12	—	—	—	89	85	86	89	84	87	87	88	90
	13	—	89	91	93	91	91	91	86	91	89	89	90
	14	84	84	83	85	—	86	86	85	78	80	81	77
	15	73	72	83	84	86	86	80	76	74	71	69	67
	16	75	70	73	72	71	73	76	73	82	83	83	84
	17	91	92	93	93	92	90	90	85	79	73	75	73
	18	80	83	81	—	—	—	—	—	—	—	—	—
	19	—	—	—	90	90	90	90	91	93	91	84	77
	20	80	77	73	73	85	87	91	90	92	93	95	90
	21	75	79	77	75	78	77	78	77	78	78	79	80
	22	79	72	76	78	81	81	85	86	82	83	84	85
	23	77	71	71	75	75	77	78	83	73	74	74	68
	24	73	77	77	80	—	78	79	74	79	78	80	80
	25	79	81	81	—	—	—	—	—	—	—	—	—
	26	—	—	—	82	80	—	76	81	85	86	89	89
	27	86	85	88	89	89	86	91	89	88	91	91	93
	28	84	84	84	87	87	87	87	91	92	94	93	87
	29	78	89	90	86	90	87	92	93	90	87	87	94
	30	89	94	92	95	89	90	89	91	94	93	93	91
	Hourly Means	81	82	83	84	85	84	85	85	85	85	85	85
Tension of the Vapour. JUNE.	1	In. .241	In. .239	In. .248	In. .242	In. .246	In. .236	In. .231	In. .222	In. —	In. .231	In. .215	In. .239
	2	.281	.285	.276	.269	.258	.252	.248	.255	—	.232	.232	.253
	3	.309	.301	.305	.304	.308	.331	.297	.296	.309	.309	.311	.312
	4	.238	.220	.226	—	—	—	—	—	—	—	—	—
	5	—	—	—	.279	.290	—	.273	.279	.278	.274	.283	.287
	6	.275	.273	.279	.274	.282	.279	.285	.290	.290	.290	.297	.281
	7	.263	.243	.243	.237	.221	.217	.209	.200	.205	.198	.199	.208
	8	.186	.190	.192	.184	—	.184	.180	.169	.173	.182	.183	.183
	9	.217	.221	.225	.228	.217	.222	.220	.223	.225	.223	.220	.235
	10	.265	.267	.267	.263	.274	.273	.278	.289	.293	.321	.321	.310
	11	—	.229	.226	—	—	—	—	—	—	—	—	—
	12	—	—	—	.235	.226	.224	.226	.213	.219	.217	.215	.220
	13	—	.190	.193	.197	.196	.198	.200	.194	.209	.210	.208	.208
	14	.296	.296	.296	.304	—	.329	.339	.346	.332	.330	.337	.327
	15	.289	.280	.319	.318	.317	.317	.295	.285	.278	.266	.263	.253
	16	.248	.231	.236	.229	.222	.223	.228	.223	.241	.233	.236	.239
	17	.290	.295	.298	.298	.295	.285	.285	.277	.266	.250	.255	.250
	18	.295	.312	.308	—	—	—	—	—	—	—	—	—
	19	—	—	—	.338	.338	.338	.338	.343	.354	.343	.314	.292
	20	.263	.249	.232	.230	.226	.231	.231	.225	.223	.223	.229	.229
	21	.208	.217	.215	.212	.220	.222	.226	.227	.230	.230	.235	.246
	22	.203	.176	.180	.183	.190	.190	.198	.202	.203	.209	.211	.215
	23	.163	.160	.162	.168	.174	.182	.183	.199	.185	.186	.188	.177
	24	.170	.182	.177	.180	—	.178	.176	.170	.174	.170	.169	.170
	25	.192	.193	.193	—	—	—	—	—	—	—	—	—
	26	—	—	—	.192	.185	—	.160	.163	.164	.163	.167	.167
	27	.174	.172	.176	.175	.177	.169	.173	.169	.165	.166	.165	.173
	28	.226	.226	.226	.231	.231	.231	.229	.238	.234	.236	.245	.233
	29	.248	.266	.258	.253	.252	.238	.245	.241	.232	.215	.204	.215
	30	.206	.211	.203	.213	.195	.193	.190	.193	.201	.203	.203	.201
	Hourly Means	.239	.236	.237	.240	.241	.239	.236	.236	.237	.235	.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	
86	88	88	86	79	81	77	83	89	85	91	85	84
83	69	78	70	64	62	63	66	71	73	74	78	76
87	84	89	84	62	49	50	59	63	68	73	70	77
84	84	89	89	89	82	83	74	78	73	73	75	82
96	86	80	74	73	70	77	77	84	88	85	94	84
74	79	73	71	81	93	93	81	83	80	73	78	80
80	83	77	72	75	74	76	81	87	85	83	85	80
89	86	94	93	98	98	97	83	83	83	88	84	91
96	95	97	95	91	92	91	88	81	84	81	78	92
87	89	84	76	75	71	72	73	75	79	82	92	83
92	90	85	58	79	75	76	78	80	81	83	81	85
77	77	78	70	68	73	77	80	76	76	63	65	78
66	68	66	60	62	59	58	61	68	71	78	78	72
84	80	73	62	77	63	67	66	68	73	79	86	75
96	67	66	68	67	67	63	65	70	73	81	78	79
80	78	86	78	68	63	67	69	78	81	79	83	81
81	75	72	64	68	67	66	65	69	73	73	73	78
82	73	64	60	61	56	74	57	66	62	71	77	72
84	71	71	65	66	55	59	61	65	73	80	82	75
64	59	76	68	63	62	47	65	74	81	82	90	72
79	79	67	70	56	68	63	56	74	80	80	81	74
84	85	86	81	79	78	70	72	74	76	86	88	81
90	92	92	89	81	79	81	82	81	81	86	85	87
85	96	92	91	83	80	77	76	75	85	79	81	86
93	92	95	87	86	87	76	83	86	86	87	91	88
94	89	72	77	65	62	70	72	73	77	75	76	83
84	81	80	75	74	72	72	72	76	78	79	81	81
In. .245	In. .256	In. .274	In. .283	In. .275	In. .296	In. .299	In. .303	In. .297	In. .281	In. .303	In. .302	In. .261
.249	.222	.276	.295	.294	.294	.306	.304	.300	.304	.304	.302	.274
.332	.344	.363	.350	.289	.234	.225	.240	.233	.239	.249	.230	.293
.271	.284	.302	.314	.314	.321	.329	.297	.301	.281	.275	.276	.282
.300	.294	.300	.297	.296	.293	.284	.278	.294	.299	.277	.293	.288
.205	.227	.218	.209	.227	.242	.243	.212	.211	.201	.186	.187	.217
.187	.204	.212	.213	.227	.223	.222	.223	.229	.221	.222	.222	.201
.246	.233	.262	.255	.271	.269	.267	.244	.237	.237	.242	.236	.237
.313	.308	.314	.309	.283	.278	.268	.254	.233	.240	.230	.227	.278
.219	.235	.239	.230	.235	.225	.229	.218	.200	.195	.192	.208	.221
.234	.245	.261	.190	.278	.276	.273	.275	.278	.285	.290	.288	.234
.337	.343	.360	.322	.303	.309	.317	.328	.311	.311	.256	.272	.317
.256	.271	.277	.258	.276	.262	.250	.241	.253	.252	.256	.252	.274
.253	.258	.250	.228	.297	.246	.248	.236	.240	.245	.262	.281	.243
.344	.252	.254	.277	.281	.282	.270	.263	.265	.270	.290	.284	.278
.312	.306	.337	.330	.306	.289	.291	.277	.284	.288	.279	.287	.313
.222	.226	.232	.207	.221	.226	.216	.201	.204	.206	.203	.204	.223
.267	.262	.240	.225	.237	.212	.267	.185	.198	.182	.187	.197	.223
.231	.208	.218	.196	.199	.168	.167	.164	.159	.164	.173	.177	.191
.175	.162	.202	.190	.180	.176	.133	.175	.187	.193	.189	.199	.179
.180	.193	.178	.199	.165	.194	.178	.160	.182	.188	.188	.193	.179
.167	.180	.196	.199	.203	.206	.197	.190	.185	.176	.183	.183	.183
.174	.193	.208	.229	.231	.230	.232	.237	.231	.224	.235	.230	.196
.219	.239	.234	.248	.251	.258	.259	.255	.252	.272	.260	.262	.242
.223	.227	.261	.255	.255	.265	.240	.244	.245	.233	.224	.218	.240
.220	.223	.204	.251	.218	.207	.221	.220	.210	.214	.207	.207	.209
.245	.246	.257	.252	.254	.249	.247	.239	.239	.239	.237	.239	.241

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	76	77	76	77	75	75	75	76	81	82	85	85	
		2	85	92	90	—	—	—	—	—	—	—	—	—	
		3	—	—	—	83	85	83	81	75	75	79	79	81	
		4	86	86	81	87	82	87	82	81	80	80	80	79	81
		5	79	76	76	77	81	79	83	76	90	84	81	77	87
		6	87	83	86	85	82	80	79	83	83	83	83	80	82
		7	75	75	77	81	80	77	76	76	82	82	82	80	82
		8	70	72	74	74	74	80	75	88	—	—	78	80	82
		9	76	85	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	81	81	83	83	84	86	84	82	81	81
		11	75	81	78	79	78	84	90	84	85	97	96	98	98
		12	79	80	80	80	75	75	79	79	79	81	80	79	79
		13	—	78	80	77	77	80	81	81	76	80	77	79	79
		14	81	81	81	82	83	83	84	85	84	84	83	89	89
		15	79	81	82	86	85	84	82	78	81	84	94	86	86
		16	91	91	87	—	—	—	—	—	—	—	—	—	—
		17	—	—	—	87	85	89	89	90	90	92	87	92	92
		18	91	94	92	98	84	97	92	95	97	97	94	94	94
		19	96	98	96	98	94	97	97	96	99	100	100	100	100
		20	100	100	97	96	98	98	96	95	94	94	95	97	97
		21	95	96	95	93	90	77	81	83	85	86	83	81	81
		22	73	73	74	75	73	73	73	69	71	73	78	75	75
		23	80	83	85	—	—	—	—	—	—	—	—	—	—
		24	—	—	—	61	77	77	77	77	84	88	89	96	96
		25	79	80	79	79	82	78	82	82	88	89	86	89	89
		26	86	86	86	83	83	82	80	88	86	91	95	92	92
		27	88	91	94	91	86	77	81	81	79	77	84	87	87
		28	59	68	72	68	71	75	79	84	85	82	82	91	91
		29	75	75	79	77	76	76	77	77	82	86	81	80	80
		30	87	88	90	—	—	—	—	—	—	—	—	—	—
		31	—	—	—	—	94	94	94	95	95	94	96	98	98
		Hourly Means		82	84	84	82	82	82	83	83	85	86	86	87
Tension of the Vapour.	JULY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		
		1	.208	.210	.208	.210	.205	.206	.204	.205	.214	.213	.217	.221	
		2	.205	.216	.213	—	—	—	—	—	—	—	—	—	—
		3	—	—	—	.340	.349	.340	.329	.310	.307	.316	.316	.319	.319
		4	.235	.235	.219	.234	.220	.233	.227	.224	.222	.223	.222	.231	.231
		5	.233	.222	.216	.212	.223	.220	.232	.212	.253	.241	.227	.221	.221
		6	.215	.200	.207	.199	.198	.197	.195	.204	.204	.204	.204	.218	.218
		7	.230	.230	.234	.240	.237	.232	.227	.223	.235	.235	.234	.240	.240
		8	.231	.233	.237	.234	.237	.250	.231	.263	—	.240	.241	.242	.242
		9	.287	.304	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	.232	.232	.233	.233	.239	.241	.236	.222	.220	.220
		11	.195	.213	.211	.215	.218	.236	.252	.241	.251	.271	.279	.290	.290
		12	.264	.261	.260	.261	.253	.247	.259	.262	.264	.276	.278	.279	.279
		13	—	.218	.221	.209	.209	.214	.215	.215	.207	.215	.211	.217	.217
		14	.236	.232	.231	.226	.225	.220	.218	.217	.213	.211	.203	.214	.214
		15	.219	.222	.222	.229	.226	.222	.217	.202	.208	.217	.231	.222	.222
		16	.248	.252	.242	—	—	—	—	—	—	—	—	—	—
		17	—	—	—	.233	.224	.227	.223	.225	.220	.216	.204	.216	.216
		18	.236	.238	.230	.245	.233	.237	.225	.233	.237	.237	.235	.238	.238
		19	.275	.285	.283	.290	.271	.271	.269	.262	.264	.276	.278	.284	.284
		20	.378	.381	.373	.371	.380	.383	.377	.375	.367	.367	.369	.418	.418
		21	.340	.338	.329	.315	.295	.245	.248	.246	.249	.253	.250	.247	.247
		22	.215	.210	.212	.210	.201	.196	.196	.185	.185	.192	.199	.195	.195
		23	.266	.270	.273	—	—	—	—	—	—	—	—	—	—
		24	—	—	—	.169	.199	.190	.188	.188	.200	.207	.208	.221	.221
		25	.184	.183	.180	.180	.183	.170	.173	.171	.176	.180	.174	.185	.185
		26	.253	.255	.255	.251	.256	.256	.255	.287	.297	.319	.326	.315	.315
		27	.265	.268	.277	.263	.247	.227	.232	.227	.224	.213	.227	.246	.246
		28	.139	.163	.169	.158	.161	.168	.173	.177	.181	.179	.184	.209	.209
		29	.177	.177	.186	.184	.182	.183	.184	.184	.198	.207	.193	.197	.197
		30	.199	.197	.200	—	—	—	—	—	—	—	—	—	—
		31	—	—	—	—	.186	.183	.184	.183	.180	.178	.177	.186	.186
Hourly Means		.237	.239	.236	.236	.233	.230	.230	.229	.232	.236	.235	.242		

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	
85	74	90	86	83	87	85	84	83	85	85	89	82
87	83	90	78	81	85	78	83	85	86	87	86	83
78	84	82	78	82	85	84	82	84	88	83	80	83
79	84	84	82	81	80	82	82	82	82	82	85	81
87	89	85	74	79	73	80	73	77	73	73	78	81
80	79	75	71	70	68	68	69	69	70	68	69	75
87	83	70	63	59	61	65	58	69	72	72	78	73
72	78	71	66	60	58	60	66	65	72	71	73	75
96	90	85	81	81	78	82	83	86	85	86	81	85
85	85	82	81	83	81	78	75	72	72	79	76	79
77	73	79	72	72	68	69	70	72	78	80	82	77
91	84	82	80	76	76	77	78	75	74	78	80	81
88	87	84	79	75	73	74	74	74	78	82	81	81
92	86	—	78	79	73	74	74	77	83	84	86	85
94	—	94	92	90	86	91	91	91	90	92	96	93
96	100	98	100	100	100	97	100	100	100	99	100	98
95	90	91	88	82	83	76	85	90	90	90	95	92
82	82	84	81	67	63	67	70	69	77	82	82	81
78	71	71	72	64	69	68	70	72	76	78	80	73
86	81	69	63	61	85	61	68	68	69	74	76	77
87	89	89	89	79	78	77	74	78	81	79	82	82
86	88	84	81	74	74	68	66	75	70	78	84	82
83	80	74	79	62	65	66	71	78	84	81	71	80
80	74	70	68	68	70	74	75	79	75	78	73	75
76	74	74	75	71	75	74	74	79	82	83	83	78
94	94	83	82	91	75	73	72	—	81	80	87	88
85	83	82	78	76	76	75	76	78	80	81	82	81
In. .227	In. .201	In. .245	In. .245	In. .247	In. .258	In. .249	In. .244	In. .234	In. .226	In. .214	In. .208	In. .222
—	—	—	—	—	—	—	—	—	—	—	—	—
.339	.306	.309	.272	.270	.278	.251	.255	.251	.246	.247	.237	.284
.251	.276	.279	.270	.279	.285	.280	.269	.265	.273	.255	.235	.248
.225	.231	.229	.221	.233	.235	.223	.206	.203	.201	.201	.208	.222
.226	.239	.249	.236	.255	.242	.261	.242	.247	.232	.232	.243	.223
.247	.261	.276	.259	.259	.270	.267	.262	.252	.243	.237	.232	.244
.256	.288	.287	.286	.274	.281	.295	.254	.290	.290	.287	.301	.262
—	—	—	—	—	—	—	—	—	—	—	—	—
.212	.237	.224	.213	.187	.182	.190	.200	.185	.194	.185	.187	.221
.309	.305	.300	.292	.290	.284	.312	.312	.311	.290	.290	.270	.268
.277	.277	.272	.274	.289	.281	.266	.250	.228	.220	.232	.222	.261
.220	.218	.259	.245	.264	.248	.252	.244	.236	.244	.244	.240	.229
.238	.236	.250	.258	.255	.267	.260	.260	.239	.228	.226	.226	.233
.235	.256	.269	.278	.284	.288	.292	.281	.262	.250	.239	.222	.241
—	—	—	—	—	—	—	—	—	—	—	—	—
.232	.233	—	.256	.277	.273	.280	.262	.252	.251	.239	.233	.240
.247	—	.282	.298	.305	.295	.312	.312	.306	.295	.289	.289	.263
.286	.308	.320	.340	.358	.362	.360	.368	.378	.381	.375	.381	.314
.377	.363	.406	.425	.412	.407	.354	.377	.382	.364	.351	.348	.379
.246	.256	.271	.281	.244	.232	.242	.245	.224	.237	.240	.240	.263
.218	.216	.237	.265	.233	.254	.249	.254	.254	.256	.261	.266	.223
—	—	—	—	—	—	—	—	—	—	—	—	—
.216	.213	.193	.176	.182	.253	.187	.195	.184	.175	.178	.180	.205
.188	.200	.211	.248	.251	.258	.260	.251	.256	.259	.247	.246	.209
.297	.303	.314	.311	.279	.275	.261	.240	.258	.237	.250	.260	.275
.246	.248	.237	.263	.214	.224	.227	.219	.212	.213	.203	.175	.233
.191	.187	.178	.180	.184	.185	.194	.186	.186	.174	.181	.173	.178
.197	.200	.204	.221	.216	.219	.220	.210	.212	.200	.200	.197	.198
—	—	—	—	—	—	—	—	—	—	—	—	—
.199	.222	.225	.235	.263	.241	.238	.230	—	.229	.223	.234	.209
.246	.251	.261	.263	.262	.265	.261	.255	.252	.247	.243	.241	.244

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	84	89	86	89	94	92	92	93	—	94	96	89	
		2	90	90	91	91	93	92	89	89	90	90	92	94	
		3	80	80	79	81	—	81	83	83	81	82	85	88	
		4	83	84	90	90	91	91	97	96	92	80	76	71	
		5	85	84	85	89	89	87	85	86	87	85	85	89	
		6	86	94	92	—	—	—	—	—	—	—	—	—	
		7	—	—	—	89	87	93	94	91	92	97	92	92	
		8	91	89	95	94	94	95	95	95	93	95	94	96	98
		9	93	94	95	95	96	94	92	92	92	92	94	95	98
		10	87	92	96	94	93	92	94	94	94	98	96	98	94
		11	81	81	81	79	81	76	81	87	87	88	89	91	94
		12	76	85	83	77	84	84	84	84	85	89	86	86	91
		13	74	77	76	—	—	—	—	—	—	—	—	—	
		14	—	—	—	96	92	91	92	92	92	92	92	94	94
		15	81	81	79	81	81	80	80	81	83	86	84	84	86
		16	70	68	72	72	70	71	72	73	—	—	77	73	
		17	84	83	89	84	85	89	87	86	88	89	90	86	
		18	75	76	80	73	74	76	75	74	81	83	83	82	
		19	74	77	81	82	83	83	86	84	89	89	93	95	
		20	89	85	92	—	—	—	—	—	—	—	—	—	
		21	—	—	—	96	96	97	97	95	99	98	98	99	
		22	100	100	99	97	99	96	96	97	—	96	98	100	
		23	100	98	97	94	92	92	90	95	96	98	99	100	
		24	95	96	95	96	—	94	96	95	97	94	98	98	
		25	96	96	98	100	96	97	98	100	100	96	100	100	
		26	91	88	86	88	—	89	87	92	91	92	98	100	
		27	84	85	85	—	—	—	—	—	—	—	—	—	
		28	—	—	—	—	85	88	97	97	87	85	88	89	
		29	88	91	94	89	87	94	94	89	90	92	94	97	
		30	92	94	90	87	90	92	92	89	—	93	100	100	
		31	81	85	88	91	90	86	94	94	100	94	92	97	
		Hourly Means		86	87	88	88	88	89	90	90	91	90	92	92
Tension of the Vapour.	AUGUST.	1	In. .222	In. .226	In. .216	In. .219	In. .222	In. .220	In. .216	In. .214	In. —	In. .217	In. .219	In. .211	
		2	.268	.262	.258	.251	.253	.243	.232	.233	.237	.233	.232	.240	
		3	.264	.264	.259	.264	—	.259	.260	.257	.257	.262	.267	.276	
		4	.252	.244	.245	.243	.262	.260	.286	.281	.284	.243	.224	.211	
		5	.213	.213	.219	.227	.227	.224	.221	.224	.227	.224	.224	.233	
		6	.248	.277	.284	—	—	—	—	—	—	—	—	—	
		7	—	—	—	.224	.211	.220	.222	.212	.216	.231	.225	.232	
		8	.224	.214	.225	.220	.222	.224	.226	.223	.224	.224	.229	.256	
		9	.259	.254	.251	.244	.244	.236	.225	.225	.216	.215	.207	.218	
		10	.210	.212	.213	.210	.207	.204	.207	.205	.214	.213	.223	.211	
		11	.210	.211	.209	.203	.208	.193	.189	.188	.185	.184	.185	.196	
		12	.214	.237	.236	.222	.236	.235	.231	.228	.235	.231	.233	.247	
		13	.236	.237	.233	—	—	—	—	—	—	—	—	—	
		14	—	—	—	.279	.271	.260	.263	.261	.261	.261	.265	.266	
		15	.282	.280	.275	.280	.282	.284	.284	.291	.291	.293	.287	.304	
		16	.285	.280	.279	.274	.266	.263	.259	.254	—	—	.253	.250	
		17	.208	.206	.219	.205	.199	.208	.204	.202	.203	.206	.213	.227	
		18	.224	.228	.231	.211	.213	.218	.219	.220	.249	.242	.252	.261	
		19	.197	.199	.200	.198	.196	.192	.194	.185	.190	.190	.197	.219	
		20	.245	.220	.230	—	—	—	—	—	—	—	—	—	
		21	—	—	—	.221	.223	.221	.219	.215	.217	.216	.218	.230	
		22	.304	.311	.311	.311	.316	.311	.314	.314	—	.309	.308	.308	
		23	.318	.315	.309	.298	.285	.289	.281	.294	.294	.301	.308	.314	
		24	.309	.312	.308	.311	—	.296	.296	.290	.283	.264	.269	.281	
		25	.301	.286	.279	.282	.272	.267	.264	.268	.256	.243	.245	.262	
		26	.349	.334	.323	.318	—	.300	.275	.284	.270	.266	.277	.296	
		27	.301	.300	.297	—	—	—	—	—	—	—	—	—	
		28	—	—	—	—	.187	.195	.221	.225	.206	.206	.217	.236	
		29	.245	.240	.242	.233	.229	.238	.238	.227	.229	.232	.235	.238	
		30	.255	.257	.243	.229	.228	.221	.212	.198	—	.199	.214	.232	
		31	.259	.265	.275	.282	.285	.267	.274	.272	.295	.290	.295	.325	
		Hourly Means		.257	.255	.254	.248	.239	.243	.242	.240	.241	.235	.242	.251

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	
97	91	85	83	78	76	75	79	86	91	88	91	88
99	92	87	81	75	74	74	75	74	77	76	80	86
88	81	78	70	71	68	71	70	73	75	83	83	79
75	70	64	60	70	72	87	99	89	74	74	81	82
90	87	83	81	78	79	81	82	80	82	80	—	84
—	—	—	—	—	—	—	—	—	—	—	—	—
91	91	80	73	77	—	65	68	76	82	81	87	86
92	91	80	75	69	68	69	76	78	80	85	90	87
98	94	83	76	68	65	59	64	68	72	81	87	85
96	97	93	82	78	71	70	74	68	76	80	85	87
90	88	79	74	75	80	75	74	73	79	82	76	81
82	82	77	75	69	64	64	64	67	73	75	75	78
—	—	—	—	—	—	—	—	—	—	—	—	—
96	88	88	79	74	67	69	69	68	75	77	77	83
81	74	67	59	70	72	74	71	71	71	66	69	76
71	72	61	52	68	59	56	65	81	70	74	85	70
84	77	69	64	59	61	59	64	65	68	74	74	77
86	79	67	64	62	58	54	61	59	64	70	71	72
89	75	75	68	64	62	63	71	69	71	82	88	79
—	—	—	—	—	—	—	—	—	—	—	—	—
98	93	88	92	84	80	81	85	88	92	100	100	93
100	100	99	98	93	90	95	97	97	100	98	100	98
97	97	89	85	84	84	79	83	85	86	90	95	92
94	91	90	81	76	73	79	79	84	89	92	93	90
100	100	92	83	79	69	68	67	76	89	87	90	91
100	93	95	83	81	71	69	68	71	75	100	83	87
—	—	—	—	—	—	—	—	—	—	—	—	—
85	78	75	68	67	67	68	67	76	78	86	85	81
92	83	70	60	65	60	64	65	68	76	84	85	82
94	85	77	69	—	57	63	66	72	76	79	80	84
97	92	91	91	81	74	66	67	71	78	85	86	86
—	—	—	—	—	—	—	—	—	—	—	—	—
91	87	81	75	74	70	70	73	75	79	83	85	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·250	·255	·272	·291	·292	·298	·295	·305	·293	·302	·277	·272	·252
·269	·282	·295	·296	·301	·304	·309	·296	·270	·265	·255	·264	·265
·283	·285	·303	·292	·301	·296	·301	·287	·281	·265	·275	·262	·275
·228	·223	·212	·196	·221	·221	·258	·282	·248	·205	·203	·215	·240
·242	·242	·241	·254	·250	·259	·264	·264	·247	·244	·234	—	·236
—	—	—	—	—	—	—	—	—	—	—	—	—
·240	·264	·266	·247	·267	—	·237	·237	·252	·261	·231	·231	·241
·257	·281	·278	·291	·284	·287	·284	·293	·279	·267	·270	·263	·252
·232	·247	·256	·258	·249	·253	·231	·245	·232	·220	·224	·222	·236
·228	·246	·263	·248	·234	·213	·206	·208	·187	·201	·202	·213	·216
·203	·228	·221	·232	·237	·259	·255	·252	·232	·236	·240	·222	·216
·267	·285	·287	·296	·287	·285	·276	·258	·254	·254	·241	·241	·251
—	—	—	—	—	—	—	—	—	—	—	—	—
·278	·276	·294	·293	·298	·276	·281	·270	·257	·271	·269	·267	·268
·316	·327	·331	·319	·355	·351	·350	·335	·318	·313	·283	·286	·305
·263	·271	·267	·247	·272	·235	·214	·225	·249	·200	·198	·219	·251
·239	·243	·233	·232	·221	·233	·224	·235	·223	·222	·228	·225	·219
·285	·275	·237	·229	·224	·212	·198	·207	·191	·191	·201	·201	·226
·232	·223	·250	·255	·250	·255	·258	·277	·243	·226	·240	·245	·221
—	—	—	—	—	—	—	—	—	—	—	—	—
·244	·249	·254	·265	·264	·261	·265	·270	·273	·280	·295	·295	·245
·314	·324	·337	·352	·351	·344	·346	·342	·333	·332	·321	·324	·323
·320	·342	·331	·326	·332	·332	·310	·320	·314	·297	·304	·311	·314
·299	·317	·338	·333	·339	·317	·341	·328	·325	·325	·321	·313	·309
·286	·318	·338	·349	·356	·330	·340	·312	·325	·363	·348	·349	·302
·324	·333	·365	·340	·347	·346	·314	·323	·319	·310	·392	·309	·318
—	—	—	—	—	—	—	—	—	—	—	—	—
·251	·258	·258	·261	·261	·253	·247	·234	·255	·241	·253	·245	·244
·248	·259	·234	·200	·228	·216	·232	·225	·214	·219	·222	·226	·231
·247	·249	·252	·253	—	·239	·263	·278	·267	·260	·262	·261	·242
·337	·341	·371	·400	·360	·333	·306	·304	·300	·312	·314	·314	·307
—	—	—	—	—	—	—	—	—	—	—	—	—
·266	276	·281	·280	·284	·277	·274	·275	·266	·262	·263	·262	·259

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	88	88	93	89	—	—	—	—	94	96	98	99
	2	87	82	81	80	84	85	86	85	93	83	85	82
	3	83	82	80	—	—	—	—	—	—	—	—	—
	4	—	—	—	90	94	93	96	93	94	97	98	94
	5	88	91	83	88	87	87	87	92	85	91	88	88
	6	94	94	98	100	—	100	100	100	96	99	100	100
	7	100	98	85	90	100	98	100	100	98	100	99	100
	8	86	84	84	86	89	89	84	85	96	100	99	97
	9	95	90	96	92	94	100	98	100	100	96	96	91
	10	97	95	95	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	96	95	93	93	93	93	96	100
	12	100	100	98	100	100	100	100	100	100	100	100	100
	13	99	100	100	100	100	100	100	91	100	98	97	99
	14	97	92	93	93	95	95	96	98	100	100	100	100
	15	85	89	92	89	85	88	86	85	—	83	86	79
	16	83	81	82	82	83	81	81	80	80	80	79	80
	17	91	90	92	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	81	77	83	79	71	73	73	70
	19	74	75	76	74	77	79	80	85	83	89	89	84
	20	83	86	89	92	91	92	90	92	92	94	92	81
	21	95	97	97	98	98	98	100	100	98	98	100	98
	22	81	72	73	73	68	65	71	75	67	67	70	64
	23	66	66	69	74	78	78	80	83	83	86	91	82
	24	89	94	90	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	71	69	71	71	71	73	73	73
	26	74	73	74	74	75	75	79	79	80	85	86	81
	27	67	68	67	67	73	74	76	79	77	78	76	68
	28	72	72	69	77	85	82	83	83	82	86	90	84
	29	79	77	78	83	87	91	86	83	—	90	87	87
	30	69	74	73	72	79	87	88	91	89	91	87	80
Hourly Means	86	85	85	85	86	87	88	88	88	90	90	87	
Tension of the Vapour. SEPTEMBER.	1	.309	.309	.328	.305	—	—	—	—	.278	.281	.290	.301
	2	.267	.264	.262	.262	.267	.268	.266	.259	.281	.246	.249	.272
	3	.277	.272	.263	—	—	—	—	—	—	—	—	—
	4	—	—	—	.210	.217	.206	.212	.203	.202	.208	.211	.222
	5	.263	.266	.233	.241	.242	.242	.245	.259	.237	.250	.240	.250
	6	.302	.299	.311	.308	—	.306	.308	.296	.275	.276	.286	.311
	7	.324	.305	.274	.261	.282	.266	.274	.266	.259	.264	.267	.274
	8	.329	.318	.312	.309	.305	.296	.270	.270	.282	.284	.297	.320
	9	.326	.293	.300	.278	.269	.274	.262	.278	.284	.286	.289	.290
	10	.336	.331	.321	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	.309	.305	.298	.306	.306	.306	.313	.324
	12	.348	.349	.346	.349	.347	.355	.352	.348	.342	.342	.347	.352
	13	.346	.352	.352	.338	.330	.332	.335	.302	.318	.318	.323	.348
	14	.336	.315	.317	.306	.311	.311	.313	.315	.318	.315	.316	.344
	15	.303	.312	.316	.317	.305	.311	.301	.290	—	.278	.307	.311
	16	.303	.297	.296	.296	.296	.287	.287	.283	.283	.283	.284	.306
	17	.316	.302	.295	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	.286	.268	.285	.277	.250	.250	.263	.266
	19	.262	.261	.258	.251	.252	.259	.255	.261	.254	.266	.287	.308
	20	.306	.297	.301	.298	.293	.289	.285	.286	.282	.282	.295	.290
	21	.360	.335	.325	.337	.342	.344	.349	.352	.349	.349	.355	.365
	22	.350	.334	.344	.337	.339	.320	.334	.351	.340	.331	.357	.358
	23	.279	.272	.266	.265	.262	.255	.256	.257	.247	.247	.282	.299
	24	.363	.377	.363	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	.242	.235	.242	.246	.249	.260	.274	.296
	26	.324	.316	.316	.316	.313	.310	.315	.310	.310	.321	.335	.345
	27	.315	.308	.292	.277	.286	.285	.283	.284	.292	.302	.326	.323
	28	.257	.252	.234	.246	.261	.256	.258	.256	.245	.255	.277	.275
	29	.280	.258	.253	.257	.259	.274	.261	.259	—	.272	.275	.296
	30	.241	.253	.248	.237	.260	.275	.277	.279	.263	.275	.280	.284
Hourly Means	.309	.302	.297	.287	.287	.285	.285	.284	.281	.283	.293	.305	

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	
95	100	76	77	85	85	81	82	82	85	91	93	89
76	69	66	66	69	—	75	79	78	84	80	79	80
—	—	—	—	—	—	—	—	—	—	—	—	85
98	84	88	69	70	73	71	71	74	79	82	88	81
81	77	72	66	68	66	65	69	68	82	87	88	81
95	84	84	81	83	88	94	87	94	93	97	98	94
100	100	92	78	—	66	66	71	78	80	83	84	90
87	76	69	62	60	64	62	77	80	85	89	92	83
86	77	72	72	74	75	70	77	83	82	85	93	87
—	—	—	—	—	—	—	—	—	—	—	—	98
100	100	100	100	99	98	100	100	100	100	100	100	98
95	92	92	94	97	90	94	96	96	97	100	99	98
91	87	85	85	81	79	80	83	86	88	92	97	92
91	85	74	68	66	72	76	80	81	69	75	85	87
74	69	66	64	68	64	69	70	71	76	80	82	78
62	70	66	62	55	53	58	62	67	79	82	87	74
—	—	—	—	—	—	—	—	—	—	—	—	72
69	65	55	59	60	59	64	65	63	67	67	71	73
79	71	65	60	59	42	55	57	64	71	77	82	79
77	74	64	62	47	51	57	56	77	82	89	89	79
90	86	79	75	68	67	73	75	81	88	90	90	89
57	63	74	69	63	49	42	42	43	50	56	62	63
73	65	49	50	49	43	48	49	51	70	76	89	69
—	—	—	—	—	—	—	—	—	—	—	—	67
66	61	56	50	52	49	49	48	49	67	71	71	69
75	68	65	56	52	48	50	50	52	60	67	73	63
69	62	35	50	45	45	47	46	53	55	62	62	71
79	68	62	52	50	49	50	47	61	71	68	70	70
75	67	60	51	44	50	41	40	49	63	64	67	75
72	69	62	61	61	75	62	55	65	73	75	77	75
81	77	70	67	65	64	65	67	71	77	80	83	80
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·333	·368	·327	·319	·343	·351	·337	·332	·313	·300	·307	·292	·316
·275	·271	·275	·295	·302	—	·302	·305	·295	·301	·282	·271	·276
—	—	—	—	—	—	—	—	—	—	—	—	·245
·255	·253	·285	·242	·256	·280	·274	·268	·264	·264	·262	·273	·265
·255	·267	·283	·276	·300	·296	·293	·289	·264	·291	·293	·284	·317
·326	·312	·322	·335	·331	·335	·364	·337	·351	·333	·330	·335	·304
·300	·342	·353	·345	—	·331	·317	·328	·349	·336	·339	·333	·316
·332	·326	·328	·318	·317	·339	·321	·354	·347	·334	·336	·333	·297
·293	·285	·286	·294	·315	·320	·313	·318	·329	·310	·308	·325	·332
—	—	—	—	—	—	—	—	—	—	—	—	·350
·330	·337	·340	·347	·352	·347	·355	·355	·352	·351	·352	·352	·343
·347	·334	·349	·353	·361	·351	·356	·357	·352	·349	·352	·349	·325
·347	·351	·362	·374	·381	·366	·351	·347	·337	·337	·338	·344	·305
·347	·347	·336	·327	·326	·349	·358	·366	·350	·286	·283	·303	·298
·294	·309	·306	·299	·315	·301	·321	·316	·301	·302	·304	·304	·280
·260	·317	·320	·295	·276	·279	·303	·321	·317	·324	·317	·316	·288
—	—	—	—	—	—	—	—	—	—	—	—	·307
·278	·286	·270	·301	·309	·295	·302	·295	·265	·264	·249	·258	·307
·323	·319	·324	·302	·342	·252	·340	·298	·299	·304	·319	·320	·363
·297	·313	·309	·338	·291	·321	·353	·307	·330	·333	·346	·333	·325
·350	·355	·366	·383	·367	·382	·408	·382	·380	·387	·393	·388	·291
·356	·353	·372	·363	·362	·305	·274	·268	·250	·258	·268	·276	·295
·307	·313	·266	·304	·331	·308	·327	·331	·279	·323	·336	·365	·328
—	—	—	—	—	—	—	—	—	—	—	—	·287
·298	·316	·309	·281	·305	·292	·304	·290	·265	·318	·327	·318	·260
·343	·336	·349	·333	·335	·333	·336	·332	·317	·330	·343	·346	·254
·356	·339	·340	·290	·281	·275	·263	·242	·244	·230	·241	·223	·267
·272	·282	·273	·255	·261	·264	·272	·250	·285	·306	·277	·271	·254
·275	·277	·266	·244	·222	·244	·220	·213	·220	·238	·233	·236	·267
·285	·283	·273	·274	·281	·314	·261	·245	·252	·255	·251	·250	—
·309	·315	·315	·311	·314	·313	·316	·310	·304	·306	·307	·308	·301

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	80	78	80	—	—	—	—	—	—	—	—	—	
		2	—	—	—	77	79	85	87	80	83	86	91	74	
		3	64	64	66	66	74	85	86	87	83	82	80	80	
		4	72	88	86	94	100	100	99	96	82	74	72	60	68
		5	71	100	73	71	71	70	71	68	69	69	72	68	68
		6	70	71	72	68	67	—	90	94	79	75	79	68	68
		7	89	85	88	84	84	81	79	79	79	87	87	75	75
		8	71	73	72	—	—	—	—	—	—	—	—	—	—
		9	—	—	—	—	76	75	75	75	75	74	77	73	70
		10	63	63	69	69	73	77	76	81	81	—	—	76	77
		11	80	80	81	86	86	88	82	87	90	93	92	84	84
		12	74	75	76	80	85	86	88	89	88	89	86	85	85
		13	71	70	75	79	79	81	83	84	—	91	92	94	94
		14	67	69	76	79	77	81	80	79	—	89	75	74	74
		15	70	73	72	—	—	—	—	—	—	—	—	—	—
		16	—	—	—	—	90	92	92	92	86	100	81	82	82
		17	78	81	82	82	80	80	92	81	92	92	82	80	80
		18	80	79	82	83	85	86	83	89	89	95	82	77	77
		19	71	73	74	75	77	77	77	77	81	89	75	71	71
		20	90	98	84	79	72	74	79	85	79	68	79	64	64
		21	72	69	69	77	60	58	65	72	80	80	81	—	—
		22	70	73	75	—	—	—	—	—	—	—	—	—	—
		23	—	—	—	89	91	91	91	89	92	95	95	93	93
		24	100	100	100	100	—	100	100	100	100	100	100	100	100
		25	98	92	93	91	86	84	84	80	80	78	80	77	77
		26	79	74	79	65	71	69	72	73	80	100	74	78	78
		27	69	78	75	81	81	80	85	87	89	94	93	87	87
		28	77	88	83	90	100	78	90	88	94	94	91	86	86
		29	83	87	87	—	—	—	—	—	—	—	—	—	—
		30	—	—	—	98	97	94	92	95	95	97	88	79	79
		31	77	71	82	87	86	86	89	88	90	93	88	80	80
Hourly Means		76	79	79	81	81	82	84	84	85	88	83	79		
Tension of the Vapour.	OCTOBER.	1	In. .249	In. .241	In. .238	In. —	In. —	In. —	In. —	In. —	In. —	In. —	In. —	In. —	
		2	—	—	—	.193	.191	.208	.215	.191	.194	.201	.230	.226	
		3	.214	.212	.213	.212	.233	.255	.258	.260	.252	.253	.260	.265	
		4	.271	.334	.329	.350	.368	.374	.372	.370	.332	.324	.335	.345	
		5	.242	.284	.233	.242	.242	.255	.242	.257	.261	.267	.304	.327	
		6	.233	.227	.229	.217	.215	—	.277	.282	.221	.210	.236	.229	
		7	.235	.222	.229	.215	.213	.204	.192	.188	.185	.204	.229	.225	
		8	.241	.242	.241	—	—	—	—	—	—	—	—	—	
		9	—	—	—	—	.229	.223	.220	.215	.212	.225	.222	.244	
		10	.257	.246	.262	.249	.250	.252	.241	.240	—	—	.260	.282	
		11	.284	.284	.285	.298	.305	.305	.272	.275	.279	.284	.317	.325	
		12	.306	.304	.292	.295	.295	.298	.299	.297	.284	.297	.319	.337	
		13	.236	.225	.228	.228	.223	.227	.230	.233	—	.250	.261	.275	
		14	.172	.176	.193	.199	.199	.209	.208	.203	—	.229	.220	.237	
		15	.218	.223	.216	—	—	—	—	—	—	—	—	—	
		16	—	—	—	—	.263	.273	.273	.271	.251	.291	.237	.251	
		17	.209	.212	.213	.217	.210	.207	.220	.194	.215	.223	.224	.261	
		18	.212	.204	.204	.200	.199	.202	.205	.217	.217	.235	.221	.242	
		19	.211	.211	.214	.213	.212	.212	.212	.212	.219	.236	.228	.242	
		20	.217	.236	.210	.203	.187	.179	.196	.199	.184	.161	.196	.186	
		21	.216	.209	.212	.222	.170	.168	.179	.181	.206	.206	.216	—	
		22	.200	.209	.208	—	—	—	—	—	—	—	—	—	
		23	—	—	—	.293	.297	.297	.292	.287	.295	.306	.309	.324	
		24	.345	.342	.342	.345	—	.347	.347	.349	.355	.362	.365	.368	
		25	.362	.322	.331	.330	.319	.311	.302	.286	.286	.280	.296	.298	
		26	.283	.257	.266	.208	.220	.215	.216	.217	.237	.283	.252	.287	
		27	.212	.230	.220	.229	.231	.216	.222	.219	.217	.229	.249	.275	
		28	.262	.287	.251	.263	.291	.234	.263	.250	.265	.284	.294	.315	
		29	.339	.337	.332	—	—	—	—	—	—	—	—	—	
		30	—	—	—	.370	.360	.352	.341	.336	.328	.349	.366	.366	
		31	.333	.301	.333	.342	.322	.303	.302	.295	.298	.327	.350	.350	
Hourly Means		.252	.252	.251	.256	.250	.253	.254	.251	.252	.261	.269	.283		

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
66	58	54	50	48	53	55	62	61	66	66	68	68
75	64	66	63	54	49	43	44	53	59	67	68	77
52	52	60	81	100	91	65	63	92	56	54	64	61
66	56	43	35	35	40	42	63	40	46	58	57	72
57	68	63	52	52	63	64	75	74	81	90	92	69
66	61	55	52	52	50	50	45	45	56	66	67	61
—	—	—	—	—	—	—	—	—	—	—	—	67
62	58	57	52	48	44	38	35	40	45	52	64	72
65	55	57	55	53	59	58	55	59	70	76	79	75
69	62	53	54	50	44	54	53	59	62	68	73	74
82	72	71	64	57	70	65	64	58	61	64	77	70
88	75	68	54	64	68	58	57	70	71	64	66	76
67	71	61	51	68	61	62	53	59	65	72	72	71
—	—	—	—	—	—	—	—	—	—	—	—	72
70	70	72	77	71	76	64	63	53	58	67	74	73
73	52	64	53	44	67	59	51	47	66	73	81	69
74	62	54	54	49	53	47	52	52	57	66	67	89
64	57	55	43	65	61	60	78	82	84	95	89	99
64	71	61	63	62	58	59	61	55	61	65	71	81
75	67	70	66	56	61	56	59	66	68	77	72	72
—	—	—	—	—	—	—	—	—	—	—	—	73
95	91	83	82	77	84	90	94	98	100	100	100	79
96	100	100	97	96	92	96	99	100	97	100	100	83
79	75	74	75	67	—	73	66	77	85	89	75	78
68	66	58	65	75	72	72	67	61	65	71	67	—
70	59	59	58	55	54	53	54	58	68	77	82	—
85	68	62	62	62	69	75	67	59	66	80	80	—
—	—	—	—	—	—	—	—	—	—	—	—	—
78	69	66	63	70	57	83	82	86	85	78	75	—
73	68	63	70	69	69	64	67	73	77	82	87	—
—	—	—	—	—	—	—	—	—	—	—	—	—
72	66	63	61	62	63	62	63	65	68	74	76	74
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·238	·219	·212	·187	·197	·220	·218	·237	·222	·233	·223	·226	·217
·273	·250	·279	·293	·278	·269	·251	·244	·277	·262	·275	·270	·255
·334	·346	·348	·399	·488	·421	·314	·308	·425	·224	·201	·228	·339
·332	·291	·251	·210	·213	·241	·254	·332	·204	·212	·227	·203	·255
·211	·257	·232	·218	·208	·240	·233	·254	·237	·236	·242	·247	·234
·221	·226	·217	·225	·232	·217	·242	·235	·203	·222	·240	·237	·219
—	—	—	—	—	—	—	—	—	—	—	—	—
·238	·235	·256	·261	·259	·257	·242	·223	·223	·221	·232	·265	·236
·273	·249	·272	·272	·284	·289	·301	·259	·247	·262	·273	·279	·464
·313	·302	·288	·310	·317	·268	·327	·318	·328	·302	·310	·316	·301
·342	·331	·343	·327	·310	·311	·284	·279	·250	·242	·234	·266	·298
·283	·277	·271	·231	·231	·241	·211	·194	·235	·197	·173	·173	·232
·227	·257	·234	·222	·272	·236	·239	·207	·214	·224	·231	·226	·219
—	—	—	—	—	—	—	—	—	—	—	—	—
·238	·252	·231	·265	·259	·244	·233	·254	·212	·201	·198	·206	·242
·269	·232	·262	·245	·221	·260	·246	·199	·189	·215	·211	·218	·224
·269	·241	·237	·244	·236	·245	·218	·223	·204	·195	·211	·208	·220
·241	·239	·245	·187	·241	·223	·216	·249	·243	·231	·242	·226	·225
·177	·202	·181	·188	·199	·209	·216	·224	·212	·210	·203	·212	·200
·218	·213	·227	·235	·205	·214	·191	·208	·212	·204	·226	·208	·206
—	—	—	—	—	—	—	—	—	—	—	—	—
·342	·357	·337	·350	·350	·352	·357	·354	·356	·352	·348	·348	·313
·368	·388	·389	·390	·400	·385	·386	·399	·402	·381	·384	·381	·370
·306	·313	·347	·363	·355	—	·381	·332	·341	·344	·346	·283	·323
·279	·279	·270	·288	·328	·313	·307	·302	·258	·252	·248	·222	·262
·254	·228	·248	·262	·260	·261	·255	·260	·255	·254	·265	·282	·243
·340	·309	·301	·322	·325	·348	·366	·351	·321	·337	·362	·349	·304
—	—	—	—	—	—	—	—	—	—	—	—	—
·396	·399	·413	·394	·430	·357	·433	·394	·412	·389	·352	·332	·370
·359	·371	·375	·397	·371	·391	·367	·371	·368	·351	·354	·358	·345
—	—	—	—	—	—	—	—	—	—	—	—	—
·282	·279	·280	·280	·287	·281	·280	·277	·271	·260	·262	·260	·266

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	88	94	95	96	93	89	88	81	82	81	81	79	
		2	82	85	87	85	84	81	74	75	76	72	63	66	
		3	65	70	75	75	73	75	78	80	—	82	82	79	
		4	77	83	71	72	48	72	80	82	86	89	79	75	—
		5	94	88	92	—	—	—	—	—	—	—	—	—	—
		6	—	—	—	84	80	81	80	78	94	92	82	82	68
		7	70	72	72	70	66	65	65	68	—	73	70	62	62
		8	70	73	74	77	76	76	77	80	86	82	77	64	64
		9	77	79	67	67	60	58	62	56	—	78	60	43	43
		10	60	61	64	62	62	66	67	68	70	74	63	52	52
		11	57	64	66	67	70	74	70	71	73	69	68	62	62
		12	61	62	67	—	—	—	—	—	—	—	—	—	—
		13	—	—	—	89	91	81	82	79	80	78	64	71	71
		14	66	63	65	62	67	68	67	67	69	64	68	76	76
		15	52	61	61	57	—	57	55	54	56	63	65	58	58
		16	51	58	63	48	61	62	61	64	70	70	68	56	56
		17	74	82	85	83	82	81	80	85	—	85	78	74	74
		18	75	75	74	75	74	74	73	75	—	—	—	67	67
		19	69	75	76	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	81	83	84	84	80	75	73	68	68
		21	69	72	71	68	67	70	71	73	76	69	65	61	61
		22	68	69	73	76	76	81	88	89	91	93	41	34	34
		23	62	69	69	76	81	87	88	86	—	87	88	87	87
		24	94	96	98	98	100	100	96	92	96	97	95	95	95
		25	95	96	95	94	94	91	98	98	94	95	93	78	78
		26	69	70	72	—	—	—	—	—	—	—	—	—	—
		27	—	—	—	79	85	93	94	98	95	92	93	78	78
		28	93	94	93	94	92	90	90	91	91	93	92	83	83
		29	89	89	95	91	67	61	59	63	—	60	64	63	63
		30	76	79	79	81	83	82	85	87	91	88	74	61	61
		Hourly Means		73	76	77	77	77	77	77	78	82	80	74	68
Tension of the Vapour.	NOVEMBER.	1	In. .349	In. .354	In. .349	In. .348	In. .341	In. .329	In. .326	In. .308	In. .316	In. .319	In. .331	In. .361	
		2	.332	.346	.352	.323	.302	.290	.262	.264	.271	.280	.266	.304	
		3	.265	.275	.284	.283	.271	.276	.281	.286	—	.306	.321	.322	
		4	.340	.347	.289	.287	.228	.271	.282	.279	.290	.314	.308	.324	.324
		5	.344	.321	.324	—	—	—	—	—	—	—	—	—	—
		6	—	—	—	.315	.292	.292	.292	.303	.370	.357	.351	.316	.316
		7	.237	.239	.239	.231	.212	.207	.207	.217	—	.245	.256	.266	.266
		8	.273	.276	.278	.282	.274	.273	.272	.277	.295	.303	.324	.306	.306
		9	.362	.366	.326	.317	.306	.324	.341	.318	—	.406	.339	.268	.268
		10	.252	.243	.257	.247	.241	.253	.256	.257	.266	.300	.291	.268	.268
		11	.275	.292	.297	.289	.298	.312	.297	.301	.310	.319	.326	.329	.329
		12	.234	.233	.245	—	—	—	—	—	—	—	—	—	—
		13	—	—	—	.309	.312	.282	.277	.262	.286	.281	.273	.320	.320
		14	.332	.304	.302	.268	.272	.262	.258	.256	.254	.254	.279	.320	.320
		15	.242	.271	.262	.240	—	.236	.221	.216	.224	.284	.330	.359	.359
		16	.244	.258	.268	.220	.242	.242	.234	.243	.262	.285	.298	.265	.265
		17	.250	.273	.272	.263	.256	.255	.251	.255	—	.265	.267	.275	.275
		18	.230	.225	.223	.230	.228	.228	.233	.240	—	—	—	.247	.247
		19	.273	.285	.283	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	.275	.279	.282	.281	.263	.251	.263	.263	.263
		21	.254	.262	.257	.244	.238	.247	.257	.261	.271	.275	.288	.292	.292
		22	.369	.367	.367	.369	.373	.384	.401	.404	.399	.396	.182	.171	.171
		23	.307	.331	.314	.327	.334	.342	.347	.339	—	.349	.350	.349	.349
		24	.356	.366	.375	.375	.374	.374	.357	.338	.338	.340	.333	.333	.333
		25	.292	.294	.284	.275	.270	.263	.274	.281	.275	.283	.297	.276	.276
		26	.223	.223	.221	—	—	—	—	—	—	—	—	—	—
		27	—	—	—	.324	.334	.348	.344	.352	.346	.351	.390	.371	.371
		28	.393	.405	.398	.400	.384	.377	.368	.370	.382	.399	.415	.412	.412
		29	.473	.461	.466	.448	.376	.354	.352	.355	—	.347	.398	.426	.426
		30	.448	.442	.439	.447	.449	.433	.431	.426	.448	.460	.448	.441	.441
		Hourly Means		.306	.310	.307	.306	.299	.297	.296	.296	.309	.319	.317	.315

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	58	58	67	69	63	66	71	65	80	80	79	78
58	46	50	49	45	38	36	43	36	50	—	64	63
66	52	52	47	45	49	48	45	52	54	57	73	64
65	52	54	51	57	64	68	76	75	78	84	87	72
—	—	—	—	—	—	—	—	—	—	—	—	70
56	50	43	48	50	66	65	49	53	58	67	66	62
56	51	54	55	62	52	54	55	49	55	64	68	65
61	58	54	49	42	32	44	45	56	65	68	75	53
46	45	50	43	45	34	30	33	37	42	50	56	55
52	48	43	43	36	39	37	37	45	55	53	52	61
55	52	48	42	50	53	67	69	57	55	53	39	77
—	—	—	—	—	—	—	—	—	—	—	—	56
60	61	66	68	—	92	88	94	91	83	92	67	49
41	53	52	43	45	41	36	39	—	38	43	45	57
52	47	38	38	37	37	35	41	37	36	45	52	73
50	52	50	46	49	42	48	41	46	66	65	78	64
72	72	65	67	59	68	74	66	57	57	66	73	66
76	64	55	55	50	55	60	48	45	48	58	69	65
—	—	—	—	—	—	—	—	—	—	—	—	80
65	61	62	51	50	55	52	62	50	54	54	60	78
54	53	52	46	50	50	44	45	41	47	54	64	80
82	76	59	51	50	48	45	44	37	53	73	61	63
90	86	86	86	85	91	94	91	86	87	96	94	85
89	88	85	97	96	95	98	98	97	96	95	97	95
75	68	71	66	64	58	60	57	57	63	70	78	80
—	—	—	—	—	—	—	—	—	—	—	—	78
72	69	68	54	54	67	62	69	71	80	88	92	80
79	70	60	55	64	61	61	56	80	84	75	82	63
59	55	48	45	37	30	—	59	57	56	65	73	65
59	56	47	45	38	50	—	42	35	50	46	49	68
64	59	57	54	53	55	57	57	56	61	66	69	
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·382	·364	·383	·402	·397	·343	·335	·331	·289	·340	·333	·323	·344
·295	·252	·279	·299	·289	·266	·239	·288	·214	·247	·214	·266	·284
·306	·279	·309	·306	·292	·313	·312	·288	·317	·300	·294	·333	·297
·316	·282	·311	·292	·312	·320	·318	·341	·324	·322	·325	·316	·306
—	—	—	—	—	—	—	—	—	—	—	—	·300
·276	·260	·248	·285	·294	·364	·350	·263	·259	·247	·253	·233	·259
·272	·257	·280	·286	·326	·298	·310	·296	·265	·259	·272	·273	·315
·320	·335	·343	·348	·337	·296	·354	·340	·372	·367	·352	·362	·297
·278	·275	·311	·292	·296	·232	·222	·246	·253	·246	·246	·252	·272
·280	·280	·268	·278	·258	·291	·285	·280	·292	·322	·284	·269	·311
·336	·339	·328	·306	·345	·351	·386	·388	·299	·271	·233	·239	·331
—	—	—	—	—	—	—	—	—	—	—	—	·276
·276	·286	·312	·324	—	·417	·435	·464	·490	·461	·466	·356	·299
·236	·277	·296	·266	·301	·292	·281	·302	—	·257	·237	·230	·260
·377	·393	·347	·363	·372	·352	·347	·374	·287	·247	·258	·273	·263
·257	·275	·271	·274	·292	·252	·255	·228	·224	·295	·266	·278	·264
·291	·287	·273	·284	·280	·289	·279	·278	·234	·212	·227	·231	·264
·297	·280	·263	·297	·283	·322	·339	·300	·273	·253	·266	·285	·306
—	—	—	—	—	—	—	—	—	—	—	—	·374
·281	·280	·295	·246	·255	·281	·261	·280	·239	·226	·214	·224	·351
·292	·314	·339	·322	·366	·381	·371	·389	·340	·363	·351	·367	·341
·458	·494	·446	·404	·408	·402	·383	·394	·338	·355	·397	·316	·272
·355	·349	·360	·371	·357	·372	·383	·370	·360	·358	·379	·362	·353
·309	·311	·305	·349	·354	·348	·349	·337	·325	·323	·310	·296	·439
·281	·259	·266	·269	·273	·263	·274	·268	·254	·256	·250	·257	·431
—	—	—	—	—	—	—	—	—	—	—	—	·397
·379	·401	·420	·338	·335	·432	·403	·403	·386	·373	·378	·388	—
·442	·432	·424	·441	·496	·485	·498	·449	·633	·605	·455	·460	—
·462	·493	·479	·507	·500	·414	—	·473	·444	·393	·418	·435	—
·424	·439	·406	·388	·333	·372	—	·338	·274	·328	·258	·253	—
·326	·327	·329	·328	·334	·337	·332	·335	·319	·316	·309	·303	—

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	47	53	54	51	54	60	56	62	59	63	60	60	
		2	60	66	68	70	73	77	72	67	72	69	59	49	
		3	47	52	61	—	—	—	—	—	—	—	—	—	
		4	—	—	—	61	66	72	74	77	81	76	71	73	
		5	68	72	73	81	90	86	90	89	92	90	81	59	
		6	82	71	89	91	89	85	86	78	75	73	73	67	
		7	61	62	65	66	68	67	70	73	79	71	70	63	
		8	62	64	63	68	68	64	63	63	67	62	63	60	
		9	80	81	79	79	87	87	85	85	88	84	83	76	67
		10	81	87	88	—	—	—	—	—	—	—	—	—	—
		11	—	—	—	—	64	68	—	—	64	65	66	62	57
		12	54	61	62	72	67	67	73	71	71	74	75	68	63
		13	65	68	71	68	74	74	77	79	80	81	81	69	65
		14	70	73	79	83	89	89	93	92	93	96	85	72	72
		15	81	85	85	85	83	83	85	84	85	83	82	80	80
		16	85	84	88	89	91	89	93	93	94	89	91	88	89
		17	92	92	89	—	—	—	—	—	—	—	—	—	—
		18	—	—	—	57	60	63	64	67	70	70	69	58	58
		19	78	78	82	69	62	59	58	66	76	72	60	58	58
		20	56	63	62	64	69	68	70	—	75	68	65	60	60
		21	77	76	78	77	89	78	71	71	71	71	68	68	68
		22	67	74	68	71	74	72	77	79	79	84	79	74	74
		23	67	66	66	69	77	—	—	57	58	63	65	58	56
		24	73	77	81	—	—	—	—	—	—	—	—	—	—
		25	—	—	—	—	85	80	85	91	96	81	63	56	56
		26	85	85	88	91	93	86	87	92	—	96	96	78	78
		27	80	86	87	84	76	74	64	68	75	75	80	76	76
		28	76	74	70	72	74	72	70	70	70	71	64	65	65
		29	73	73	74	73	80	81	83	85	93	90	65	72	72
		30	68	72	73	—	—	75	74	72	75	72	73	70	70
		31 ^a	68	70	72	—	—	—	—	—	—	—	—	—	—
Hourly Means		71	73	75	73	76	75	75	76	78	77	71	66		
Tension of the Vapour.	DECEMBER.	1	In. .230	In. .248	In. .248	In. .221	In. .231	In. .244	In. .224	In. .240	In. .222	In. .250	In. .262	In. .281	
		2	.223	.235	.239	.245	.256	.267	.250	.236	.255	.261	.246	.234	
		3	.197	.207	.228	—	—	—	—	—	—	—	—	—	—
		4	—	—	—	.214	.223	.232	.237	.252	.265	.265	.250	.259	.259
		5	.222	.224	.215	.232	.242	.233	.242	.236	.248	.266	.274	.238	.238
		6	.310	.259	.317	.324	.320	.314	.311	.278	.279	.284	.295	.301	.301
		7	.219	.219	.225	.226	.230	.222	.229	.233	.256	.246	.257	.273	.273
		8	.250	.244	.237	.248	.247	.229	.224	.229	.244	.238	.250	.270	.270
		9	.333	.328	.324	.322	.348	.351	.336	.349	.338	.349	.347	.342	.342
		10	.347	.358	.352	—	—	—	—	—	—	—	—	—	—
		11	—	—	—	.314	.324	—	.301	.314	.333	.350	.360	.360	.360
		12	.229	.244	.241	.271	.246	.246	.256	.246	.261	.283	.272	.270	.270
		13	.251	.250	.251	.240	.255	.252	.254	.257	.264	.296	.284	.312	.312
		14	.297	.295	.308	.303	.322	.309	.319	.316	.328	.370	.385	.379	.379
		15	.354	.364	.364	.357	.352	.352	.357	.352	.359	.354	.360	.361	.361
		16	.395	.393	.410	.412	.420	.415	.416	.426	.412	.419	.427	.451	.451
		17	.458	.458	.448	—	—	—	—	—	—	—	—	—	—
		18	—	—	—	.384	.388	.392	.393	.398	.419	.415	.426	.410	.410
		19	.415	.408	.417	.352	.296	.277	.263	.279	.318	.337	.302	.323	.323
		20	.261	.286	.278	.279	.290	.279	.277	—	.288	.290	.312	.295	.295
		21	.321	.314	.320	.279	.317	.275	.252	.244	.249	.256	.260	.270	.270
		22	.250	.269	.244	.246	.250	.239	.251	.261	.267	.299	.322	.334	.334
		23	.320	.314	.312	.328	.335	—	.249	.238	.251	.271	.275	.265	.265
		24	.321	.321	.337	—	—	—	—	—	—	—	—	—	—
		25	—	—	—	—	.389	.347	.344	.347	.368	.344	.306	.313	.313
		26	.395	.388	.392	.412	.411	.370	.361	.364	—	.417	.455	.429	.429
		27	.459	.482	.487	.482	.438	.434	.398	.411	.417	.445	.456	.473	.473
		28	.315	.298	.276	.315	.264	.256	.244	.244	.255	.262	.258	.270	.270
		29	.303	.303	.313	.297	.295	.290	.291	.288	.313	.343	.291	.337	.337
		30	.272	.283	.288	—	—	.296	.290	.279	.288	.287	.306	.314	.314
		31 ^a	.305	.310	.303	—	—	—	—	—	—	—	—	—	—
Hourly Means		.306	.307	.310	.304	.307	.298	.291	.292	.299	.315	.317	.322		

^a Omitted in the means.

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	
54	50	42	41	37	34	40	43	47	48	53	54	51
52	46	44	41	31	33	25	36	37	29	34	43	52
76	73	59	37	47	44	41	43	39	47	61	63	60
67	58	55	54	51	50	47	52	56	69	72	78	70
63	62	62	68	63	60	37	47	47	47	68	57	68
64	57	58	62	56	55	53	45	52	49	54	62	62
57	53	53	52	56	54	53	54	53	60	76	80	61
62	58	56	58	56	55	55	56	59	67	77	80	72
52	49	45	43	42	43	44	27	37	40	43	51	55
64	50	60	60	52	50	46	47	48	48	52	59	60
61	53	49	50	50	43	46	44	51	56	61	66	63
69	64	64	59	56	56	58	63	64	75	73	77	75
78	64	63	58	55	56	58	59	69	74	81	82	75
78	73	71	69	63	69	64	70	66	71	81	89	81
59	61	57	46	54	68	74	54	57	62	71	—	66
54	48	59	60	46	45	43	42	36	39	46	51	58
60	67	—	72	70	67	63	58	66	67	70	73	66
68	68	63	59	68	72	82	85	84	85	84	66	74
67	62	59	51	49	44	47	47	42	51	57	62	63
47	51	43	47	41	39	39	38	38	40	60	68	55
68	61	63	63	59	62	62	62	63	71	79	89	73
72	71	66	63	59	56	53	57	58	64	72	86	76
71	66	62	67	68	75	77	75	69	70	75	74	74
56	54	50	47	54	49	51	54	57	62	67	72	63
63	57	59	56	52	50	49	53	52	61	66	67	68
64	59	52	52	49	46	45	48	53	52	54	61	62
63	59	57	55	53	53	52	52	54	58	65	68	65
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·268	·272	·247	·242	·237	·217	·249	·252	·256	·229	·227	·214	·242
·256	·245	·243	·246	·202	·225	·184	·268	·269	·186	·189	·204	·236
—	—	—	—	—	—	—	—	—	—	—	—	·226
·274	·276	·240	·160	·217	·207	·202	·202	·182	·192	·223	·215	·274
·283	·281	·295	·316	·319	·331	·305	·310	·298	·335	·315	·324	·293
·305	·319	·319	·368	·360	·330	·226	·261	·248	·235	·260	·218	·262
·307	·277	·275	·302	·302	·305	·315	·274	·319	·261	·252	·260	·271
·274	·271	·283	·279	·299	·296	·309	·319	·305	·293	·338	·336	·350
·345	·356	·355	·379	·370	·372	·375	·356	·353	·356	·366	·355	·313
—	—	—	—	—	—	—	—	—	—	—	—	·270
·372	·366	·356	·370	·358	·316	·305	·189	·239	·216	·217	·230	·288
·305	·268	·314	·344	·278	·288	·264	·297	·290	·272	·252	·251	·353
·319	·296	·290	·335	·383	·322	·328	·281	·286	·305	·302	·300	·366
·388	·384	·414	·413	·388	·375	·379	·385	·358	·374	·345	·348	·439
·373	·358	·373	·367	·360	·388	·379	·383	·373	·375	·388	·384	·436
·448	·457	·479	·481	·450	·472	·461	·496	·460	·434	·444	·454	·312
—	—	—	—	—	—	—	—	—	—	—	—	·306
·430	·472	·555	·497	·417	·429	·489	·429	·442	·420	·421	—	·306
·334	·293	·329	·340	·327	·283	·287	·299	·265	·248	·249	·248	·309
·299	·348	—	·367	·342	·334	·332	·302	·334	·307	·308	·313	·274
·282	·288	·296	·300	·349	·380	·363	·376	·355	·377	·361	·263	·375
·352	·359	·371	·373	·381	·363	·340	·374	·325	·320	·319	·316	·434
·252	·296	·264	·302	·267	·260	·263	·270	·270	·279	·310	·320	·409
—	—	—	—	—	—	—	—	—	—	—	—	·409
·431	·415	·444	·436	·402	·407	·397	·391	·385	·383	·392	·409	·279
·424	·446	·456	·471	·460	·472	·469	·481	·494	·483	·491	·419	·296
·471	·454	·419	·378	·359	·362	·367	·356	·319	·323	·322	·311	·308
·268	·276	·271	·274	·307	·291	·290	·292	·285	·283	·297	·303	—
·300	·284	·315	·301	·294	·284	·277	·296	·268	·278	·278	·273	—
·320	·326	·305	·317	·317	·317	·311	·333	·363	·334	·310	·313	—
—	—	—	—	—	—	—	—	—	—	—	—	—
·334	·334	·340	·345	·336	·332	·326	·326	·321	·312	·315	·303	·316

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
JANUARY.	1	S. E. by S.	4	S. E. by S.	5	S. E. by S.	5	S. by W.	3	—	Calm.	—	Calm.
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	N. W. by N.	6	N. W. by N.	9	N. W. by N.	8	S. E. by S.	6	S. E. by S.	2	N. W. by N.	4
	4	W. by N.	6	W. by N.	3	W. by N.	4	W. by N.	3	—	Calm.	W. by N.	3
	5	—	Calm.	S. S. W.	4	—	Calm.	—	Calm.	S. by W.	2	—	Calm.
	6	S. by W.	4	S. by W.	4	S. E. by S.	4	S. E. by S.	3	S. E. by S.	3	—	Calm.
	7	S. by E.	5	S. by E.	5	S. by E.	5	S. by E.	4	S. by E.	4	—	Calm.
	8	S. by E.	6	S. by E.	7	S. by E.	6	S. by E.	4	S. by E.	4	S. by E.	2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	S. E. by S.	3	S. E. by S.	2	S. E. by S.	5	S. E. by S.	5	—	Calm.	—	Calm.
	11	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	—	Calm.	—	Calm.
	12	S. E. by S.	2	N. by E.	2	—	Calm.	—	Calm.	—	Calm.	N. by E.	5
	13	N. W. by N.	5	N. W. by N.	7	S. E. by S.	7	S. E. by S.	6	N. W. by N.	4	N. W. by N.	4
	14	N. W. by N.	6	N. W. by N.	5	N. W. by N.	6	N. W. by N.	5	N. W. by N.	8	N. W. by N.	10
	15	N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W. by W.	6	N. W. by W.	9
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	W. N. W.	6	W. by N.	6	S. W.	5	—	Calm.	W. by N.	5	—	Calm.
	18	N. by W.	2	S. by W.	4	E. by S.	3	—	Calm.	—	Calm.	N.	2
	19	N.	3	N. W. by N.	4	N. by W.	4	—	Calm.	N. by W.	1	—	Calm.
	20	S. E. by S.	3	S. E. by S.	3	S. E. by S.	5	S. E. by S.	3	S. E. by S.	3	—	Calm.
	21	N. W. by W.	4	W. N. W.	4	W. N. W.	4	W. N. W.	4	N. W. by N.	2	—	Calm.
	22	E. S. E.	5	E. S. E.	4	E. S. E.	4	E. S. E.	2	—	Calm.	—	Calm.
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	N. N. W.	7	N. N. W.	7	N. N. W.	8	S. E. by E.	7	S. E. by E.	4	S. E. by E.	4
	25	N. W.	2	S. E. by S.	4	S. E. by S.	5	—	Calm.	—	Calm.	—	Calm.
	26	E. by S.	4	E. S. E.	3	S. E. by E.	3	E. S. E.	2	—	Calm.	E. by S.	3
	27	—	Calm.	S.	2	S.	3	S.	4	S.	5	S.	5
	28	S. S. E.	4	S. S. E.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	Calm.
	29	S. S. E.	2	S. S. E.	4	S. S. E.	4	S. S. E.	4	S. S. E.	2	S. S. E.	2
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	S. E. by E.	2	S. E. by E.	4	S. E. by E.	3	S. E. by E.	2	S. E. by E.	4	—	Calm.
FEBRUARY.	1	S. E. by E.	4	S. E. by E.	2	S. E. by E.	2	—	Calm.	S. E. by E.	2	—	Calm.
	2	—	Calm.	N. by W.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	3	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	2	—	Calm.	—	Calm.
	4	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	—	Calm.	—	Calm.
	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	—	Calm.	—	Calm.
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	N. W. by N.	7	N. W. by N.	5	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	N. W. by N.	4
	8	S. by W.	2	S. by W.	2	S. by W.	2	—	Calm.	—	Calm.	—	Calm.
	9	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	S. E. by S.	3
	10	S. E. by S.	4	S. E. by S.	5	S. E. by S.	4	S. E. by S.	3	S. E. by S.	2	S. E. by S.	2
	11	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	3	S. E. by S.	2
	12	S. E. by S.	3	S. E. by S.	2	S. E. by S.	4	—	Calm.	—	Calm.	—	Calm.
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	S. E. by S.	4	S. E. by S.	2	—	Calm.
	15	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	S. E. by S.	2	—	Calm.	—	Calm.
	16	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	S. E. by S.	3	S. E. by S.	3
	17	S.	2	S. E.	4	N. by E.	2	E.	3	E.	2	—	Calm.
	18	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. by W.	3	S. by W.	3
	19	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. by E.	3	S. by E.	3
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.
	22	N. by E.	1	N. by E.	3	E. by S.	3	—	Calm.	E. by S.	1	N. by E.	3
	23	—	Calm.	S. E. by E.	4	S. E. by E.	4	—	Calm.	—	Calm.	—	Calm.
	24	N. N. W.	2	N. N. W.	1	S. E.	1	—	Calm.	—	Calm.	N. W. by N.	4
	25	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	Calm.	S. E. by S.	2
	26	S. by E.	2	S. S. E.	5	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	—	Calm.
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	S.	4	S.	4	S.	2	S.	2	—	Calm.	—	Calm.

DIRECTION AND FORCE OF THE WIND.												Mean Van Diemen Island Time, Astronomical Reckoning.
13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
—	—	—	—	—	—	—	—	—	—	—	—	
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	3	N. W. by N.	4	N. W. by N.	1	2
N. W. by N.	2	—	Calm.	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	N. W. by N.	2	3
W. by N.	3	N. W. by N.	4	—	Calm.	N. W. by N.	5	W. by N.	5	W. by S.	5	4
W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	3	—	Calm.	W. by N.	2	5
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	1	S. by E.	4	6
—	Calm.	—	4	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	4	7
—	—	—	—	—	—	—	—	—	—	—	—	8
—	Calm.	—	Calm.	S. by E.	2	—	Calm.	—	Calm.	S. E. by S.	2	9
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	4	10
—	Calm.	—	Calm.	N. W. by N.	4	N. W. by N.	5	N. W. by N.	3	N. W. by N.	1	11
N. by E.	4	—	Calm.	—	Calm.	—	Calm.	N. by E.	3	N. W. by N.	4	12
N. W. by N.	4	N. W. by N.	5	N. W. by N.	6	N. W. by N.	6	N. W. by N.	6	N. W. by N.	6	13
N. W. by N.	6	N. W. by N.	6	N. W. by N.	4	N. W. by N.	6	N. W. by N.	7	N. W. by W.	6	14
—	—	—	—	—	—	—	—	—	—	—	—	15
N. by W.	7	N. by W.	6	N. by W.	6	N. by W.	6	N. by W.	6	N. W. by W.	6	16
—	Calm.	—	Calm.	—	Calm.	N.	1	N.	4	—	Calm.	17
N.	3	—	Calm.	N.	3	—	Calm.	N.	4	N.	6	18
—	Calm.	N. by W.	1	—	Calm.	N. by W.	3	S. E. by S.	3	S. E. by S.	1	19
W. N. W.	1	N. W. by W.	2	N. W. by W.	4	N. W. by W.	3	N. W. by N.	4	N. W. by N.	3	20
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	E. S. E.	2	21
—	—	—	—	—	—	—	—	—	—	—	—	22
N. N. W.	5	N. N. W.	5	N. N. W.	7	N. N. W.	10	N. N. W.	7	N. N. W.	7	23
W. by N.	4	W. by N.	3	W. N. W.	1	N. W.	4	N. W.	2	N. W.	4	24
—	Calm.	—	Calm.	—	Calm.	N. by E.	2	N. by E.	1	E. by S.	1	25
—	Calm.	—	Calm.	—	Calm.	E. by S.	2	E. by S.	2	S. E.	2	26
—	Calm.	S.	1	S.	2	S.	1	S.	1	S. S. E.	1	27
S. E. by S.	2	—	Calm.	—	Calm.	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	28
—	—	—	—	—	—	—	—	—	—	—	—	29
S. E. by S.	1	S. S. E.	4	—	Calm.	N. W. by N.	4	N. W. by N.	3	S. E. by E.	1	30
S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	3	31
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	1
N. W. by N.	4	N. W. by N.	4	N. by W.	1	—	Calm.	—	Calm.	—	Calm.	2
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	3	3
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	4	N. W. by N.	4	N. W. by N.	3	4
—	—	—	—	—	—	—	—	—	—	—	—	5
N. W. by N.	5	N. W. by N.	4	N. W. by N.	7	N. W. by N.	7	N. W. by N.	8	N. W. by N.	7	6
N. W. by N.	2	N. W. by N.	2	N. W. by N.	4	—	Calm.	—	Calm.	—	Calm.	7
N. W. by N.	2	N. W. by N.	2	N. W. by N.	4	—	Calm.	—	Calm.	—	Calm.	8
S. E. by S.	4	—	Calm.	S. E. by S.	4	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	9
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	1	10
—	Calm.	—	Calm.	—	Calm.	S. E. by S.	1	S. E. by S.	2	S. E. by S.	2	11
—	—	—	—	—	—	—	—	—	—	—	—	12
—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	2	S. E. by S.	3	13
—	Calm.	S. E. by S.	4	N. W. by N.	4	N. W. by W.	3	W. N. W.	3	S. E. by S.	3	14
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	4	15
S.	2	S.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	16
E. by N.	3	E. by N.	3	W. by S.	1	—	Calm.	N. W. by N.	2	—	Calm.	17
S. by W.	4	S. S. E.	5	S. S. E.	6	S. S. E.	4	S. S. E.	4	S. by W.	2	18
—	—	—	—	—	—	—	—	—	—	—	—	19
—	Calm.	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	S. E. by S.	2	20
—	Calm.	S. W. by W.	2	S. W. by W.	2	S. W. by W.	2	N.	2	N. by E.	4	21
N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. by E.	4	N. N. W.	2	22
—	Calm.	N. W. by N.	3	N. W. by N.	3	N. W. by N.	2	N. W. by N.	2	—	Calm.	23
N. W. by N.	5	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4	N. W. by N.	2	N. W. by N.	4	24
—	Calm.	—	Calm.	—	Calm.	W. by N.	1	—	alm.	—	Calm.	25
—	—	—	—	—	—	—	—	—	—	—	—	26
S.	2	—	Calm.	S.	2	S.	2	S.	1	S.	3	27
—	Calm.	—	Calm.	S.	2	S.	4	S.	5	S.	5	28

JANUARY.

FEBRUARY.

DIRECTION AND FORCE OF THE WIND.														
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .			
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
MARCH.	1	S. E. by S.	3	S. E. by S.	3	S. E. by S.	3	—	Calm.	S. E. by S.	2	N.	2	
	2	N. W. by N.	2	—	Calm.	N. W. by N.	3	—	Calm.	N. W. by N.	3	—	Calm.	
	3	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	—	—	Calm.	
	4	W.	4	S. by W.	5	S. by W.	4	S. by W.	4	S. by W.	2	S. W. by W.	2	
	5	S. E. by S.	4	S. E. by S.	5	S. E. by S.	4	S. E. by S.	2	S. E. by S.	2	S. E. by S.	3	
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	S. E. by S.	3	—	Calm.	N. W. by N.	1	
	8	N. E. by E.	1	N. E. by E.	1	N. E. by E.	3	N. E. by E.	3	—	Calm.	—	—	Calm.
	9	N. by E.	3	N. by E.	3	N. by E.	4	N. by E.	4	N. by E.	3	N. by E.	3	
	10	N. by E.	1	N. by E.	4	N. W. by N.	5	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	
	11	N. W. by N.	4	N. W. by N.	4	N. W. by N.	1	N. W. by N.	1	—	Calm.	—	—	Calm.
	12	N. W. by N.	3	N. W. by N.	4	—	Calm.	N. W. by N.	4	—	Calm.	N. W. by N.	3	
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	E. S. E.	3	E. S. E.	3	E. S. E.	2	E. S. E.	2	—	Calm.	—	—	Calm.
	15	S. S. E.	3	S. S. E.	3	S. S. E.	4	S. S. E.	4	S. S. E.	2	—	—	Calm.
	16	S. S. W.	4	S. S. W.	4	S. S. W.	5	S. S. W.	2	S. S. W.	3	—	—	Calm.
	17	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	—	Calm.
	18	S. W. by W.	3	S. W. by W.	4	S. W. by W.	5	S. W. by W.	5	—	Calm.	S. W. by W.	2	
	19	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	N. W. by N.	8	N. W. by N.	8	
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N.	3	N. by W.	1	N. W. by N.	4	
	22	N. E. by N.	4	S. E. by S.	4	S. E. by S.	2	—	Calm.	—	Calm.	—	—	Calm.
	23	—	Calm.	N. W. by N.	1	S. by W.	1	—	Calm.	—	Calm.	N. W. by N.	4	
	24	N. W. by N.	4	—	Calm.	N. W. by N.	3	Var.	3	S. W. by S.	2	S. by W.	3	
	25	S. by E.	4	S. by E.	4	S. by E.	4	S. by E.	4	S. E. by S.	1	N. W. by N.	1	
	26	S. by E.	4	S. by E.	5	S. E. by S.	4	S. E. by S.	3	S. E. by S.	1	—	—	Calm.
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	S. E. by S.	2	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	—	Calm.	—	—	Calm.
	29	S. E. by S.	1	S. E. by S.	1	S. E. by S.	1	—	Calm.	—	Calm.	—	—	Calm.
	30	N. W. by N.	2	—	Calm.	S. E. by S.	2	—	Calm.	—	Calm.	—	—	Calm.
	31	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	
APRIL.	1	S.	4	S.	5	S. by W.	5	S. by W.	5	S. by W.	5	S.	3	
	2	N. W. by N.	3	N. W. by N.	3	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	—	Calm.	
	3	—	—	—	—	—	—	—	—	—	—	—	—	
	4	N. W. by N.	5	N. W. by N.	8	N. W. by N.	11	N. W. by N.	10	N. W. by N.	7	N. W. by N.	6	
	5	—	Calm.	N. W. by N.	5	N. W. by N.	2	N. W. by N.	3	N. W. by N.	2	N. W. by N.	4	
	6	N. W. by N.	2	N. W. by N.	4	—	Calm.	—	Calm.	N. W. by N.	2	N. W. by N.	4	
	7	N. W. by N.	4	N. W. by N.	4	—	Calm.	N. W. by N.	6	N. W. by N.	4	N. W. by N.	7	
	8	—	Calm.	N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	N. W. by N.	3	
	9	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	
	10	—	—	—	—	—	—	—	—	—	—	—	—	
	11	N. W. by N.	6	N. W. by N.	3	N. W. by N.	3	N. W. by N.	4	N. W. by N.	7	N. W. by N.	4	
	12	N. W. by N.	3	N. W. by N.	2	N. W. by N.	1	—	Calm.	—	Calm.	N. W. by N.	4	
	13	N. W. by N.	4	N. W. by N.	5	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	N. W. by N.	6	
	14	N. W. by N.	4	N. W. by N.	4	N. W. by N.	1	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	
	15	N. W. by N.	4	N. W. by N.	3	N. W. by N.	5	—	Calm.	—	Calm.	N. W. by N.	6	
	16	N. W. by N.	3	N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	—	Calm.	
	17	—	—	—	—	—	—	—	—	—	—	—	—	
	18	S. W. by W.	2	S. E. by S.	2	S. E. by S.	2	—	Calm.	—	Calm.	—	Calm.	
	19	N. W. by N.	2	S. E. by E.	2	S. by E.	2	—	Calm.	—	Calm.	—	Calm.	
	20	N. by E.	3	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	
	21	S. E. by S.	3	—	Calm.	S. E. by S.	2	—	Calm.	S. E. by S.	3	S. E. by S.	3	
	22	—	Calm.	—	Calm.	S. E. by E.	2	—	Calm.	—	Calm.	S. by E.	3	
	23	N.	1	—	Calm.	S. E. by S.	2	S. E. by S.	2	—	Calm.	—	Calm.	
	24	—	—	—	—	—	—	—	—	—	—	—	—	
	25	N. N. W.	4	N. N. W.	5	N. N. W.	6	N. N. W.	6	N. W. by N.	3	N. W. by N.	5	
	26	N. N. W.	6	N. N. W.	6	N. N. W.	8	N. N. W.	8	N. N. W.	8	N. N. W.	10	
	27	N. W. by N.	6	S. W.	6	S. W. by S.	7	—	Calm.	N. E. by N.	1	N. W. by N.	1	
	28	S. W. by W.	2	S. W. by W.	2	S. W. by W.	1	N. W. by W.	3	N. by W.	4	N. by W.	2	
	29	N. W. by N.	5	N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	
	30	—	Calm.	S. W.	1	S. W.	1	S. W.	1	N. W. by N.	1	N. W. by N.	3	

DIRECTION AND FORCE OF THE WIND.												Mean Van Diemen Island Time, Astronomical Reckoning.
13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
S. E. by S.	2	N. by W.	4	N. W. by N.	5	N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	1
N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	1	2
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	1	N. W. by N.	1	N. W. by N.	1	3
S. W. by W.	5	—	Calm.	S. W. by S.	1	S. W. by S.	1	S. W. by S.	2	S. E. by S.	4	4
—	—	—	—	—	—	—	—	—	—	—	—	5
—	Calm.	—	Calm.	N. W. by N.	4	N. by W.	3	N. by W.	3	N. by W.	2	6
—	Calm.	—	Calm.	N. W. by N.	2	N. W. by N.	3	N. W. by N.	2	N. E.	2	7
—	Calm.	—	Calm.	—	Calm.	N. by E.	1	—	Calm.	N. by E.	2	8
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	9
N. W. by N.	2	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	10
N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	11
—	—	—	—	—	—	—	—	—	—	—	—	12
S. E. by S.	3	—	Calm.	—	Calm.	N. by E.	3	N. by E.	3	E. by S.	2	13
N. by E.	3	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	S. S. E.	1	14
S. S. E.	2	N. W. by N.	2	N. W. by N.	2	N. W. by N.	1	N. W. by N.	3	S. S. W.	4	15
—	Calm.	—	Calm.	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	S. E. by S.	3	16
—	Calm.	—	Calm.	N. W. by N.	4	N. W. by N.	4	N. by W.	5	E.	3	17
N. E. by E.	1	E.	4	N. E. by E.	4	N. E. by E.	5	N. E. by E.	5	N. W. by N.	5	18
—	—	—	—	—	—	—	—	—	—	—	—	19
N. W. by N.	7	N. W. by N.	7	N. W. by N.	8	N. W. by N.	7	N. W. by N.	5	N. W. by N.	6	20
N. W. by N.	3	N. W. by N.	3	—	Calm.	—	Calm.	W. by W.	1	N. by E.	4	21
—	Calm.	N. N. W.	3	—	Calm.	N. N. W.	3	N. N. W.	4	—	Calm.	22
N. W. by N.	6	N. W. by N.	11	N. W. by N.	10	N. W. by N.	9	N. W. by W.	7	N. W. by W.	7	23
S. W. by S.	3	N. by E.	3	S. W. by S.	2	S. by W.	2	S. W. by W.	1	S. by W.	1	24
N. W. by N.	1	N. W. by N.	3	N. W. by N.	3	—	Calm.	—	Calm.	S. E. by S.	2	25
—	—	—	—	—	—	—	—	—	—	—	—	26
N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	27
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	2	28
N. by W.	3	N. by W.	3	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	29
—	Calm.	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	30
N. W. by N.	4	W. by S.	4	S. by E.	3	S. by W.	2	S. E. by E.	4	—	Calm.	31
—	Calm.	S. by W.	3	S. by W.	4	W. S. W.	5	N. W. by N.	3	—	Calm.	1
—	—	—	—	—	—	—	—	—	—	—	—	2
N. W. by N.	3	N. W. by N.	3	N. W. by N.	4	N. W. by N.	3	N. W. by N.	4	N. W. by N.	5	3
N. W. by N.	6	N. W. by N.	6	N. W. by N.	5	N. W. by N.	2	N. W. by N.	1	N. W. by N.	1	4
N. W. by N.	5	N. W. by N.	2	—	Calm.	N. W. by N.	3	N. W. by N.	4	N. W. by N.	2	5
N. W. by N.	3	N. W. by N.	6	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	6
N. W. by N.	8	N. W. by N.	7	N. W. by N.	7	N. W. by N.	7	N. W. by N.	6	N. W. by N.	3	7
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	3	8
—	—	—	—	—	—	—	—	—	—	—	—	9
N. W. by N.	5	N. W. by N.	7	N. W. by N.	8	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	10
N. W. by N.	4	N. W. by N.	4	—	Calm.	—	Calm.	N. W. by N.	3	N. W. by N.	4	11
N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	N. W. by N.	9	N. W. by N.	7	N. W. by N.	4	12
N. W. by N.	4	N. W. by N.	4	N. W. by N.	3	—	Calm.	N. W. by N.	2	N. W. by N.	2	13
N. W. by N.	3	N. W. by N.	4	N. W. by N.	5	N. W. by N.	7	N. W. by N.	2	N. W. by N.	4	14
N. W. by N.	1	N. W. by N.	3	N. W. by N.	4	N. W. by N.	3	N. W. by N.	4	N. W. by N.	4	15
—	—	—	—	—	—	—	—	—	—	—	—	16
S. by W.	2	S. by W.	2	N. W. by N.	1	N. W. by N.	3	N. W. by N.	2	N. W. by N.	5	17
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	2	—	Calm.	18
N. W. by N.	2	N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	—	Calm.	19
—	Calm.	—	Calm.	—	Calm.	S. by W.	1	N. by E.	3	N. by E.	3	20
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. N. W.	2	N. N. W.	2	21
N. W. by N.	2	N. W. by N.	3	N. W. by N.	2	N. W. by N.	2	N. W. by N.	1	N. by W.	1	22
—	—	—	—	—	—	—	—	—	—	—	—	23
N. W. by N.	3	—	Calm.	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	N. N. W.	5	24
N. W. by N.	7	N. W. by N.	8	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. N. W.	5	25
N. N. W.	4	N. N. W.	3	N. N. W.	4	N. N. W.	4	N. N. W.	4	N. N. W.	3	26
N. W. by N.	6	N. W. by N.	7	N. W. by N.	2	—	Calm.	—	Calm.	S. W. by W.	3	27
N. by W.	4	N. by W.	4	N. by W.	5	N. N. W.	4	N. N. W.	5	N. W. by N.	5	28
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	29
—	—	—	—	—	—	—	—	—	—	—	—	30

MARCH.

APRIL.

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
MAY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	Calm.	—	Calm.	N. N. W.	3	—	Calm.	N. W. by N.	5	N. W. by N.	5
	3	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	N. W. by N.	5	N. W. by N.	7
	4	W. N. W.	10	N. W. by N.	11	N. W. by N.	10	—	Calm.	N. W. by N.	3	N. W. by N.	4
	5	N. W. by W.	5	W. N. W.	6	N. W. by N.	4	N. W. by N.	7	N. W. by N.	10	N. W. by N.	11
	6	N. W. by W.	11	W. by N.	10	N. W.	9	N. by	9	N. by W.	3	N. by W.	2
	7	N. W.	4	N. by W.	5	N. N. W.	5	N. by W.	3	N. by W.	3	N. by W.	3
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	N. W. by N.	4	N. by W.	4	N. by W.	4	E.	3	N. by W.	3	N. by W.	4
	10	N. N. W.	7	N. N. W.	4	N. N. W.	5	N. N. W.	3	—	Calm.	N. W. by N.	3
	11	N. W. by N.	5	N. W. by N.	6	N. W. by N.	6	N. W. by N.	4	N. W. by N.	5	N. W. by N.	7
	12	N. N. W.	6	N. by W.	7	N. by W.	4	N. by W.	4	N.	4	N.	2
	13	N. by W.	6	N. by W.	5	N. by W.	4	N. by W.	4	N. N. W.	4	N. N. W.	5
	14	S. E. by S.	3	S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.	—	Calm.
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	N. by W.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	17	—	Calm.	N. by E.	3	N. by E.	3	—	Calm.	—	Calm.	—	Calm.
	18	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.	1	—	Calm.
	19	N. by W.	2	N. by W.	1	—	—	N. W. by N.	1	N. W. by N.	3	N. N. W.	4
	20	N. N. W.	4	N. N. W.	5	N. W. by N.	5	N. W. by N.	5	N. N. W.	6	N. W. by N.	6
	21	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	N. W. by N.	6	N. W. by N.	6	N. W. by N.	3	N. W. by N.	3	N. W. by N.	4	N. W. by N.	5
	24	S. S. E.	3	S. W. by W.	3	S. W. by W.	3	—	Calm.	N. W. by N.	3	N. W. by N.	4
	25	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	5
	26	N. W. by N.	6	N. W. by N.	6	N. W. by N.	4	N. W. by N.	1	N. W. by N.	1	N. W. by N.	5
	27	N. W. by N.	4	N. W. by N.	4	N. W. by N.	1	N. W. by N.	1	N. W. by N.	4	N. W. by N.	5
	28	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	N. by W.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	3	N. W. by N.	4
	31	W. N. W.	7	W. N. W.	7	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	N. W. by N.	7
JUNE.	1	—	Calm.	N.	3	—	Calm.	—	Calm.	N.	3	N.	3
	2	N. W. by N.	6	N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	N. W. by W.	4	N. W. by W.	4
	3	N. N. W.	4	N. N. W.	3	N. N. W.	3	—	Calm.	—	Calm.	N. N. W.	3
	4	N. W. by N.	4	N. W. by N.	3	W. by S.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	N.	2	N. W. by N.	3	N. W. by N.	5	N. W. by N.	5	N. W. by N.	4	—	Calm.
	7	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. N. W.	4	N. N. W.	6
	8	N. W. by N.	2	N. W. by N.	3	N. W. by N.	4	N. W. by N.	5	N. by W.	5	N. by W.	6
	9	N. N. W.	6	N. N. W.	6	N. by W.	7	N.	9	N.	8	N.	10
	10	S. by W.	7	S. by W.	6	S. S. W.	6	S. S. W.	3	S. S. W.	4	S. S. W.	5
	11	S. S. W.	6	S. S. W.	6	S. S. W.	3	S. S. W.	3	S. S. W.	4	S. S. W.	4
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	N. N. W.	4	N. N. W.	4	N. N. W.	3	N. N. W.	2	N. N. W.	2	N. N. W.	5
	14	N. by W.	4	N. by W.	4	N. by W.	3	N. by W.	4	N. by W.	4	N.	4
	15	N.	5	N.	5	N.	4	N.	5	N.	4	N.	5
	16	N. by W.	6	N. by W.	7	N. by W.	8	N. N. W.	6	N. N. W.	6	N. N. W.	8
	17	N. N. W.	5	E. N. E.	6	N.	6	N. by E.	3	N.	5	N. W.	5
	18	N. by W.	5	N. by W.	4	N. by W.	4	N. by W.	3	N. by W.	5	N. by W.	6
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	N. W. by N.	5	N. W. by N.	6	N. W. by N.	7	N. W. by N.	6	N. W. by N.	6	N. W. by N.	6
	21	N. W. by N.	1	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	N. W. by N.	5	N. W. by N.	5
	22	N. W. by N.	4	W.	4	W.	4	—	Calm.	W. by N.	3	W. by N.	2
	23	S. W. by W.	3	W.	3	W. N. W.	3	—	Calm.	—	Calm.	N. W.	3
	24	S. S. W.	4	S. S. W.	4	S. S. W.	4	S. S. W.	4	S. S. W.	3	S. S. W.	4
	25	N. W. by W.	3	N. W. by W.	3	N. W. by W.	3	N. W. by W.	3	N. W. by W.	3	N. W. by W.	4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	N. by W.	4	N. by W.	1	N. by W.	3	N. by W.	3	N. by W.	3	N. N. W.	2
	28	N. W.	4	N. W.	2	N. W.	3	N. W.	3	N. W.	1	N. W.	1
	29	N. by W.	2	N. by W.	4	N. by W.	6	N.	4	—	Calm.	N.	3
	30	N. W. by N.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	1

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N. W. by N.	4	E.	3	—	Calm.	—	Calm.	N. N. W.	1	N. N. W.	1	1
N. W. by N.	4	N. W. by N.	3	N. W. by N.	1	N. W. by N.	1	N. W. by N.	4	N. W. by N.	4	2
N. W. by N.	8	N. W. by N.	7	N. W. by N.	7	N. W. by N.	1	—	Calm.	—	Calm.	3
N. W. by W.	3	N. W.	5	N. W.	4	N. W.	4	N. W.	4	N. W.	5	4
N. W. by N.	12	N. W. by N.	11	N. W. by N.	11	N. W. by N.	7	N. W. by N.	6	N. W. by W.	7	5
N.	5	N.	6	N. W. by W.	7	N. W. by W.	6	W. by N.	7	N. N. W.	2	6
—	—	—	—	—	—	—	—	—	—	—	—	7
S. E. by S.	6	S. E. by S.	4	S. E. by S.	3	—	Calm.	N. by W.	3	S. E. by S.	4	8
N. by W.	3	N. W. by N.	4	N. N. W.	5	N. N. W.	5	N. N. W.	6	N. N. W.	7	9
N. N. W.	3	N. N. W.	4	N. W. by N.	4	S. by W.	4	N. W. by N.	4	N. W. by N.	5	10
N. W. by N.	8	N. W. by N.	7	N. W. by N.	7	N. W. by N.	6	N. W. by N.	6	N. N. W.	7	11
N.	2	N.	6	N. N. W.	8	N.	4	N. by W.	5	N. by W.	6	12
N. W. by N.	4	N. N. W.	3	N. by W.	2	N. by W.	2	—	Calm.	S. E. by S.	2	13
—	—	—	—	—	—	—	—	—	—	—	—	14
N. N. E.	3	N.	3	N. by W.	3	N. by W.	3	N. by W.	3	N. by W.	2	15
N. N. W.	3	N. N. W.	3	N. N. W.	4	N.	4	N. by E.	1	—	Calm.	16
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	3	N. W. by N.	3	17
—	Calm.	—	Calm.	—	Calm.	N.	1	N.	3	N. by W.	3	18
N. N. W.	4	N. by E.	5	N. N. W.	4	N. N. W.	5	N. W. by N.	3	N. W. by N.	3	19
N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	E. by S.	3	20
—	—	—	—	—	—	—	—	—	—	—	—	21
N. W. by N.	4	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	—	Calm.	N. W. by N.	4	22
N. W. by N.	5	N. W. by N.	5	N. W. by N.	5	N. W. by N.	1	N. W. by N.	1	—	Calm.	23
N. N. W.	4	N. N. W.	7	N. W.	7	N. W.	6	N. W.	4	N. W. by N.	4	24
N. W. by N.	5	N. W. by N.	4	N. W. by N.	9	N. W. by N.	9	N. W. by N.	2	N. W. by N.	3	25
N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	N. W. by N.	3	N. W. by N.	4	N. W. by N.	4	26
N. W. by N.	5	N. W. by N.	6	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	27
—	—	—	—	—	—	—	—	—	—	—	—	28
W. N. W.	9	W. N. W.	8	W. N. W.	6	W. N. W.	6	N. by W.	4	N. by W.	3	29
N. W.	4	W. by N.	3	W. by N.	4	W. by N.	2	W. by N.	2	W. N. W.	5	30
N. W. by N.	6	N. W. by N.	6	N. W.	6	N. W.	7	N. W.	7	N. W.	3	31
N. W.	3	N. W. by N.	3	N. W. by N.	1	N. W. by N.	5	N. W. by N.	5	N. W. by N.	6	1
N. W. by W.	5	N. by W.	7	N. by W.	7	N. by W.	6	N. N. W.	6	N. N. W.	4	2
N. N. W.	3	N. N. W.	3	—	Calm.	—	—	N. N. W.	1	N.	3	3
—	—	—	—	—	—	—	—	—	—	—	—	4
N.	1	N.	1	N.	4	N.	5	N.	4	N. N. W.	2	5
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	3	6
N. N. W.	7	N. N. W.	7	N. N. W.	7	N. N. W.	7	N. W. by N.	6	N. W. by N.	3	7
N. by W.	6	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	N. N. W.	3	N. N. W.	5	8
N.	4	N.	4	N.	4	N.	5	S. by W.	4	S. by W.	5	9
S. S. W.	5	S. S. W.	8	S. S. W.	9	S. S. W.	9	S. S. W.	9	S. S. W.	7	10
—	—	—	—	—	—	—	—	—	—	—	—	11
—	Calm.	—	Calm.	N. W. by N.	3	N. W. by N.	2	—	Calm.	N. W. by N.	3	12
N. N. W.	4	N. N. W.	5	N. N. W.	6	N. N. W.	6	N. N. W.	4	N. by W.	4	13
N.	5	N.	4	N.	4	N. by W.	4	N. by W.	5	N.	3	14
N.	3	N.	4	N.	8	N.	9	N.	7	N. by W.	7	15
N. N. W.	7	N. N. W.	7	N. N. W.	7	N. N. W.	6	N. N. W.	4	N. N. W.	4	16
N. W. by N.	4	N. W. by N.	4	N. W. by N.	6	N.	6	N.	5	N.	5	17
—	—	—	—	—	—	—	—	—	—	—	—	18
N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	19
S. E. by S.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. W. by N.	4	20
N. W. by N.	5	N. W. by N.	6	N. W. by N.	6	N. W. by N.	5	N. W. by N.	4	N. by W.	3	21
—	Calm.	—	Calm.	W. N. W.	3	W. N. W.	3	W. N. W.	1	S. W. by W.	3	22
N. W. by N.	3	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	S. by W.	2	23
S. S. W.	4	S. S. W.	3	S. S. W.	2	S. S. W.	2	S. S. W.	3	N. W. by W.	2	24
—	—	—	—	—	—	—	—	—	—	—	—	25
N. by W.	3	—	Calm.	N. by W.	3	N. by W.	3	N. by W.	4	N. by W.	4	26
N. N. W.	4	N. N. W.	4	N. N. W.	4	N. N. W.	4	N. N. W.	3	N. W.	3	27
—	Calm.	N. W.	1	—	Calm.	—	Calm.	—	Calm.	N. by W.	3	28
N.	1	N. by W.	3	—	Calm.	—	Calm.	N. W. by N.	1	N. W. by N.	1	29
N. W. by N.	2	N. W. by N.	2	—	Calm.	—	Calm.	—	Calm.	N.	3	30

MAY.

JUNE.

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
JULY	1	N. by W.	3	N. N.W.	4	N. N.W.	4	N.W. by N.	3	N.W. by N.	4	N.W. by N.	5
	2	N.W. by N.	3	S. E. by S.	2	S. E. by S.	1	S. E. by S.	3	N.W. by N.	3	N.W. by N.	3
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	N. N.W.	3	N. N.W.	3	N. N.W.	4	N.W. by N.	3	N.W. by N.	4	N.W. by N.	7
	5	N. N.W.	9	N. N.W.	10	N. N.W.	10	N.W. by N.	7	N.W. by N.	7	N.W. by N.	7
	6	N.W. by N.	5	N.W. by N.	3	N.W. by N.	4	N.W. by N.	4	N.W. by N.	3	N.W. by N.	3
	7	N. by W.	3	N. by W.	4	N. by W.	5	N. by W.	5	N. by W.	5	N. by W.	5
	8	N. by W.	4	N. by W.	4	N. N.W.	1	N. N.W.	1	—	Calm.	—	Calm.
	9	N. N.W.	7	N. N.W.	4	N. N.W.	2	—	Calm.	N. N.W.	1	N. N.E.	2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	Calm.	—	Calm.	—	Calm.	W. by N.	5	W. by N.	4	W. by N.	5
	12	—	Calm.	—	Calm.	—	Calm.	N. by E.	3	—	Calm.	—	Calm.
	13	N. by W.	4	N. by W.	3	N. by W.	4	N. N.W.	4	N. E. by E.	4	E. N.E.	2
	14	N.W. by N.	5	N.W. by N.	4	N.W. by N.	3	N.W. by N.	3	N.W. by N.	4	N.W. by N.	4
	15	N.W.	4	N.W.	4	N.W.	4	—	Calm.	N.W. by N.	4	N.W. by N.	3
	16	N.W. by W.	4	N.W. by W.	3	—	—	—	Calm.	N. by W.	3	N. by W.	3
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	N. W.	4	N.W.	1	—	—	—	Calm.	—	Calm.	—	Calm.
	19	N. by W.	3	N. by W.	3	N. by W.	3	—	Calm.	N. by W.	2	—	Calm.
	20	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	21	S. E. by S.	2	—	—	—	—	—	Calm.	—	Calm.	—	Calm.
	22	N.W. by N.	4	N. by W.	5	N.	5	N.	3	N. by E.	4	N. by E.	5
	23	N. W.	5	N.W.	5	N.W.	5	N.W.	5	N. W.	4	N.W.	4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	S.W. by W.	3	S.W. by W.	3	W. by N.	3	—	Calm.	W. by N.	3	N.W. by W.	3
	26	N.W. by N.	4	N.W. by N.	4	N.W. by N.	3	N.W. by N.	3	N.W. by N.	4	N.W. by N.	5
	27	N.W. by N.	5	N.W. by N.	5	N.W. by N.	8	—	Calm.	—	Calm.	N.W. by N.	3
	28	S. by W.	2	S. by W.	3	S. by W.	1	S. by W.	3	S.W. by W.	4	S.W. by W.	4
	29	S.W. by S.	4	S.W. by S.	4	S. by W.	4	S. by W.	3	—	Calm.	S. by W.	3
	30	S. by W.	4	S. by W.	3	S. by W.	3	S. by W.	3	—	Calm.	—	Calm.
	31	—	—	—	—	—	—	—	—	—	—	—	—
AUGUST.	1	N.W. by N.	1	N.W. by N.	1	N.W. by N.	1	N. by W.	1	N. by W.	1	N. by W.	1
	2	N.W. by N.	2	N. by W.	2	—	Calm.	—	Calm.	N.W. by W.	3	N.W. by W.	3
	3	N. by W.	3	N. by W.	3	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4
	4	N.W. by N.	5	N.W. by N.	4	N.W. by N.	5	—	Calm.	N.W. by N.	1	N.W. by N.	1
	5	S. by W.	3	S. by E.	3	S. by E.	3	S.	3	—	Calm.	E. by N.	1
	6	N. by E.	1	—	Calm.	—	Calm.	N.W. by N.	4	—	Calm.	S.S.W.	3
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	9	N.W. by N.	3	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	1
	10	N. by W.	4	N. by W.	4	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	11	S.E. by S.	4	S.E. by S.	5	S.E. by S.	3	S.E. by S.	3	S. by W.	1	S. by W.	2
	12	N. by W.	2	N. by W.	3	—	Calm.	—	Calm.	N. by W.	2	N.W. by N.	4
	13	N. by W.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	N.W. by N.	1	—	Calm.	N.W. by N.	4	N.W. by N.	3	N.W. by N.	5	N.W. by N.	5
	16	N.W. by N.	8	N.W. by N.	9	N.W. by N.	8	N.W. by N.	5	N.W. by N.	7	N.W. by N.	4
	17	N.W. by N.	4	W. by S.	3	N.W. by N.	4	N.W. by N.	4	N.W. by N.	3	N. by E.	4
	18	N. W. by N.	4	W.	6	N.W. by N.	4	N.W. by N.	3	N.W. by W.	5	N.W. by W.	5
	19	S.W. by W.	4	S.W. by W.	4	S.W. by W.	4	S. by E.	3	—	Calm.	—	Calm.
	20	N. by W.	2	N. by W.	3	—	Calm.	—	Calm.	—	Calm.	N. by W.	1
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	Calm.	—	Calm.	—	Calm.	S.E. by S.	3	—	Calm.	—	Calm.
	23	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. by W.	4
	24	S. by E.	4	S. by E.	3	S. by E.	2	S. by E.	2	—	Calm.	—	Calm.
	25	—	Calm.	S.E. by S.	2	S.E. by S.	3	—	Calm.	—	Calm.	—	Calm.
	26	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	2	—	Calm.	—	Calm.
	27	N.W. by N.	4	N. W. by N.	4	N. by W.	2	—	Calm.	—	Calm.	N.W. by N.	3
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	Calm.	—	Calm.	S. S.W.	3	S. S.W.	2	—	Calm.	—	Calm.
	30	S. E. by S.	3	S. E. by S.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	31	N. by W.	2	N.W. by N.	4	N. E. by E.	4	N.E. by E.	4	N.E. by E.	1	—	Calm.

DIRECTION AND FORCE OF THE WIND.												Mean Van Diemen Island Time, Astronomical Reckoning.
13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	3	N.W. by N.	3	N.W. by N.	3	1
—	—	—	—	—	—	—	—	—	—	—	—	2
N.W. by N.	5	N.W. by N.	6	N.W. by N.	7	N.W. by N.	7	N.W. by N.	3	N.N.W.	3	3
N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N.N.W.	5	N.N.W.	8	4
N.W. by N.	6	N.W. by N.	4	N.W. by N.	4	N.W. by N.	5	N.W. by N.	2	N.W. by N.	4	5
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	N. by W.	3	6
N. by W.	4	N. by W.	4	N. by W.	5	N. by W.	4	N. by W.	4	N. by W.	4	7
N.N.W.	4	N.N.W.	3	N.W. by N.	?	N.W. by N.	4	N.W. by N.	4	N.N.W.	6	8
—	—	—	—	—	—	—	—	—	—	—	—	9
S. E. by S.	2	S. E. by S.	1	N.W.	2	—	Calm.	S.	3	S.	1	10
N. by E.	6	N. by E.	3	—	Calm.	—	Calm.	N. by E.	2	—	Calm.	11
N. by E.	3	N.N.W.	4	N.N.W.	4	N. by W.	4	N.N.W.	4	N. by W.	3	12
N.N.W.	4	N.N.W.	4	N.N.W.	4	N.N.W.	5	N.W. by N.	4	N.W. by N.	4	13
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	—	Calm.	N.W.	4	14
N.W. by W.	4	N.W. by W.	4	N.W. by W.	4	N.W.	3	N.W.	4	N.W. by W.	3	15
—	—	—	—	—	—	—	—	—	—	—	—	16
N.W. by W.	5	N.W. by W.	5	N.W. by W.	4	N.W. by W.	4	S.S.W.	4	N.W.	4	17
N.W.	4	N.W.	3	N.W.	3	N.W.	2	N.W.	2	N. by W.	2	18
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	19
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	2	20
N.N.W.	3	N.N.W.	4	N.N.W.	4	N.N.W.	5	N.N.W.	6	N.W. by N.	4	21
N. by E.	5	S. by E.	4	S. by E.	4	S. by E.	3	N.W.	4	N.W.	5	22
—	—	—	—	—	—	—	—	—	—	—	—	23
N.W. by N.	3	N.W. by N.	3	N.W. by N.	3	E. by S.	3	E. by S.	1	—	Calm.	24
N.W. by W.	4	—	Calm.	—	Calm.	N.W. by W.	4	N.W. by W.	5	N.W. by N.	5	25
N.W.	5	N.W.	5	N.W.	7	N.W.	4	N.W. by N.	4	N.W. by N.	4	26
W.	4	N.W. by N.	5	N.W. by N.	6	N.W. by W.	5	N.N.W.	3	N.W. by N.	3	27
N. by W.	4	E. by S.	4	—	Calm.	—	Calm.	S. by W.	4	S.W. by S.	4	28
S. by W.	4	S. by W.	4	S. by W.	4	S. by W.	4	S. by W.	1	S. by W.	4	29
—	—	—	—	—	—	—	—	—	—	—	—	30
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	—	Calm.	N. by W.	4	N.	4	31
N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	1
N.W. by W.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by W.	3	N.W. by W.	3	2
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	—	Calm.	N.W. by N.	3	3
N.W. by W.	3	N.W. by W.	3	N.W. by W.	3	N.W. by W.	3	S.W. by S.	3	Variable.	1	4
—	Calm.	—	Calm.	N. by E.	3	N. by W.	3	—	Calm.	N.	3	5
—	—	—	—	—	—	—	—	—	—	—	—	6
—	Calm.	—	Calm.	N.W. by N.	3	N.W. by N.	3	—	Calm.	—	Calm.	7
N. by W.	4	N. by W.	4	N. by W.	4	—	Calm.	N.W. by N.	3	N.W.	3	8
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by W.	5	N.W. by N.	4	N.W. by N.	4	9
N.W.	4	N.W.	3	N.W. by N.	5	—	Calm.	N.W. by N.	4	—	Calm.	10
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	3	N.W. by N.	3	11
N.W. by N.	4	N.W. by N.	4	N.W.	4	N.W.	6	N. by W.	4	N. by W.	5	12
—	—	—	—	—	—	—	—	—	—	—	—	13
N.W. by N.	3	N.W. by N.	5	N.W. by N.	4	—	Calm.	N.W. by N.	3	N.W. by N.	3	14
N.	5	N.W. by N.	7	N.W. by N.	1	N.W. by N.	5	N. by W.	5	N. by W.	6	15
N.W. by N.	4	N.W. by N.	3	N.W. by N.	3	N.W. by N.	6	N.W. by N.	7	N. by W.	9	16
N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	N. by E.	3	N. by W.	4	17
N.W. by N.	4	N.W. by N.	5	N.W. by N.	7	N.W. by N.	4	N.W. by N.	4	S. by W.	4	18
N.W. by N.	3	N.W. by N.	3	—	Calm.	—	Calm.	—	Calm.	—	Calm.	19
—	—	—	—	—	—	—	—	—	—	N.	—	20
N.W. by N.	2	N.W. by N.	1	—	Calm.	—	Calm.	—	Calm.	S.E. by S.	1	21
S. by W.	1	S. by W.	4	S. by W.	3	S.S.W.	1	S.E. by S.	2	S. by E.	2	22
S. by W.	3	S. by W.	4	S. by W.	2	S. E. by S.	4	S. by W.	3	N.W. by N.	4	23
—	Calm.	W. by S.	3	N.W. by W.	3	N.W. by N.	4	N.W. by N.	4	N. by W.	4	24
—	Calm.	—	Calm.	—	Calm.	N.W. by N.	3	N. by W.	3	N. by W.	3	25
N.W. by N.	3	—	Calm.	—	Calm.	N.W. by N.	3	N. by W.	3	—	3	26
—	—	—	—	—	—	—	—	—	—	N.W. by N.	—	27
N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	4	N.W. by N.	4	—	4	28
S.S.W.	2	S.S.W.	2	—	Calm.	—	Calm.	N.W. by N.	1	N.W. by N.	Calm.	29
—	Calm.	N.W. by N.	4	N.W. by W.	5	N. by E.	3	N. by W.	4	—	4	30
—	Calm.	—	Calm.	—	Calm.	N. by W.	3	N.N.E.	2	N. by E.	2	31

JULY.

AUGUST.

DIRECTION AND FORCE OF THE WIND.													
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .		
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
SEPTEMBER.	1	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. N. E.	1	N. by E.	1
	2	—	?	—	?	N. by W.	3	—	Calm.	N. W. by N.	3	—	Calm.
	3	N. W. by N.	5	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4	N. W. by N.	4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	S. by E.	3	S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.	—	Calm.
	6	N. W. by W.	5	S. E. by S.	5	S. by E.	5	S. by E.	4	—	Calm.	—	Calm.
	7	S. by E.	2	S. by E.	3	S.	3	—	Calm.	—	Calm.	—	Calm.
	8	N. by W.	1	N. W. by N.	4	N. by E.	3	—	Calm.	—	Calm.	N.	5
	9	S. by E.	2	S. E. by S.	2	S. E. by S.	2	N. by W.	3	S. by W.	1	S. by W.	1
	10	S. E. by E.	3	S. by E.	4	S. by E.	4	—	Calm.	S. by E.	3	—	Calm.
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	S. by E.	4	S. E. by S.	2	S. W. by S.	2	S.	4	S. by E.	4	S. by E.	4
	13	S. by E.	3	S. E. by S.	3	S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.
	14	—	Calm.	N. by W.	3	N. by W.	3	N. by E.	2	—	Calm.	—	Calm.
	15	N. by E.	4	N. by E.	4	N. by E.	4	N. W. by W.	5	—	Calm.	N. by W.	4
	16	N. by W.	6	N. by W.	6	N. by W.	6	N. W. by N.	4	N. W.	3	N. W. by N.	3
	17	S. W. by S.	1	S. W. by S.	1	—	Calm.	S. E. by E.	3	S. E. by S.	2	S. E. by E.	3
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	N. W. by N.	5	W. by N.	4	N. W. by W.	5	N. by W.	3	N. by W.	4	N. by W.	4
	20	N. W. by N.	5	N. W. by N.	5	S. by W.	2	S. by W.	2	—	Calm.	—	Calm.
	21	N. by W.	2	S. E. by S.	2	S. E. by S.	3	—	Calm.	—	Calm.	—	Calm.
	22	N. W. by N.	2	S. E. by E.	2	S. E. by E.	2	S. E. by E.	2	N. W. by N.	3	—	Calm.
	23	N. by W.	6	N. W. by N.	6	N. W.	4	N. W.	4	N. E. by N.	3	N. E. by N.	3
	24	N. N. W.	4	N. N. W.	3	S. E. by S.	4	S. by E.	3	—	Calm.	—	Calm.
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	N. W. by W.	10	N. E. by E.	8	N.	3	N.	3	N.	3	N. N. W.	5
	27	W. N. W.	4	W. N. W.	4	—	Calm.	N. by W.	4	N. N. W.	5	N. N. W.	5
	28	N. N. W.	5	N. W. by W.	2	N. W. by W.	4	—	Calm.	—	Calm.	—	Calm.
	29	—	Calm.	S. E. by S.	5	S. E.	3	—	Calm.	E. N. E.	3	E. N. E.	3
	30	N. W. by N.	5	N. by W.	5	W. N. W.	4	W. N. W.	5	W. N. W.	5	W. N. W.	4
OCTOBER.	1	N. by W.	5	N. by W.	5	N. W.	4	N. W. by N.	2	N. W. by N.	4	N. W. by N.	4
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	W. S. W.	2	S. E. by E.	1	N. W.	3	N. N. W.	1	N. by W.	4	N. by W.	4
	4	N. W. by N.	4	N. N. W.	5	W. N. W.	4	—	Calm.	—	Calm.	N. by W.	4
	5	N. W. by N.	8	W. N. W.	8	W. N. W.	7	W. N. W.	5	N. E. by E.	3	N. W. by N.	5
	6	N. W. by N.	6	N. by W.	6	N. N. W.	6	N. W.	5	N. W.	2	N. W.	4
	7	N. by W.	4	N. W. by N.	5	—	Calm.	S. by W.	1	N. W. by W.	1	N. W. by N.	4
	8	N. W. by N.	3	N. by W.	4	N. W.	5	N. W. by N.	6	N. by W.	4	N. W. by N.	5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	N. W. by N.	4	N. N. W.	4	—	Calm.	N. by W.	2	—	Calm.	N. W. by N.	2
	11	S. E. by S.	4	S. S. E.	4	S. S. E.	5	S. E. by S.	4	—	Calm.	—	Calm.
	12	N. by E.	2	N. E.	2	—	Calm.	—	Calm.	N. by E.	1	—	Calm.
	13	N. by W.	6	N. by W.	5	N. by W.	3	N. W. by W.	4	N. W. by N.	2	—	Calm.
	14	S. W. by W.	5	W. N. W.	6	S. W. by S.	4	S. W. by S.	3	W. N. W.	2	W. N. W.	2
	15	N. E. by N.	2	S. S. W.	2	N. W. by W.	1	W. by N.	1	N. W. by N.	4	N. by W.	4
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	E. S. E.	2	Variable.	2	N. N. W.	2	N. W.	3	N. N. W.	1	N. N. W.	1
	18	N. by W.	5	N. by W.	2	N. W.	4	N. by W.	2	N. by W.	1	—	Calm.
	19	N. W. by N.	6	N. N. W.	4	N. W. by N.	6	N. W.	5	N. W.	5	N. W. by N.	4
	20	S. by W.	5	S.	6	S. E. by S.	4	—	Calm.	S. by W.	2	S. by W.	5
	21	E.	4	N. N. W.	5	W. N. W.	5	W. by S.	5	W.	5	S. by E.	4
	22	S. S. W.	7	S. S. W.	7	S. by W.	5	S. by W.	4	S. by W.	3	—	Calm.
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	25	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.
	26	N. W.	3	W. by N.	3	S. E. by S.	5	N. by W.	4	W. by N.	4	W. by N.	4
	27	S. E. by S.	6	E. by N.	4	S. E.	4	S. S. E.	4	S. by W.	1	S.	2
	28	S. E. by S.	4	S. E. by S.	4	S. S. E.	3	S. E. by S.	1	S. E. by S.	1	—	Calm.
	29	N. W. by N.	1	—	Calm.	N. by W.	2	—	Calm.	—	Calm.	—	Calm.
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	N. W.	4	S. E. by S.	3	—	Calm.	S. E.	2	—	Calm.	S. W. by W.	2

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
—	Calm.	?		N. by W.	3	—	Calm.	N.W. by N.	3	—	Calm.	1
S. by W.	4	E. by N.	3	E. by N.	3	E. by N.	3	N.W. by N.	4	N.W. by N.	5	2
—	—	—	—	—	—	—	—	—	—	—	—	3
S.W. by S.	2	N.W. by N.	3	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	4
N.W. by N.	2	N.W. by N.	2	N.W. by N.	4	N. by W.	5	N.W. by N.	4	N.W. by N.	4	5
—	Calm.	—	Calm.	S. by W.	2	—	Calm.	—	Calm.	S. E. by S.	2	6
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	N. by W.	3	7
N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	—	Calm.	N.W. by N.	2	N.W. by N.	3	8
—	Calm.	—	Calm.	N. by W.	2	—	Calm.	—	Calm.	S. E. by S.	2	9
—	—	—	—	—	—	—	—	—	—	—	—	10
S. by W.	5	S. by E.	8	S. by E.	8	S. by E.	6	S. by E.	6	S. by E.	6	11
S. by E.	2	S. by E.	4	S. by E.	5	S. E. by S.	4	S. E. by S.	2	S. E. by S.	2	12
—	Calm.	N. by W.	3	N. by W.	3	N. by W.	2	N. W. by N.	2	—	Calm.	13
—	Calm.	—	Calm.	—	Calm.	N. by E.	3	N. by E.	3	—	Calm.	14
N. by W.	4	N. by W.	5	N.W. by N.	4	N.W. by N.	5	N.W. by N.	5	N.W. by N.	5	15
N. by E.	4	N.W. by N.	3	N.W. by N.	3	N.W. by N.	3	S. by W.	3	N. E. by E.	1	16
—	—	—	—	—	—	—	—	—	—	—	—	17
N. by W.	2	W. by N.	4	N.W. by W.	5	N.W. by N.	3	N. by W.	4	N. by W.	4	18
N.W. by N.	4	N.W. by N.	4	S. by W.	2	S. by W.	2	—	Calm.	—	Calm.	19
N. by W.	2	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	20
—	Calm.	—	Calm.	—	Calm.	—	Calm.	N.W. by W.	2	N. by W.	2	21
N.W. by N.	4	N.W. by N.	3	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	N.W. by N.	6	22
N. by W.	4	W. by N.	4	N. W.	3	—	Calm.	N.W. by N.	4	N.W. by W.	3	23
—	—	—	—	—	—	—	—	—	—	—	—	24
N. by E.	8	N. E. by N.	8	N. by W.	7	N. N. W.	7	N.W. by W.	8	N.W. by W.	9	25
N. N. W.	5	N. by W.	5	N.W. by N.	4	N.W. by N.	4	N.W. by N.	4	N. by W.	4	26
N.W. by N.	4	N.W. by N.	4	N. by W.	5	N. by W.	6	N.W. by N.	5	N.W. by N.	5	27
N. by E.	2	—	Calm.	—	Calm.	N. by W.	3	N.W. by W.	3	N.W. by W.	3	28
N.	3	—	Calm.	—	Calm.	—	Calm.	N.W. by N.	3	N. W. by N.	5	29
N. W.	4	N.W. by N.	5	N.W. by W.	6	N.W. by W.	5	N. N.W.	5	N. N.W.	5	30
—	—	—	—	—	—	—	—	—	—	—	—	1
E. N. E.	1	N.W. by N.	1	N. by W.	2	N. W. by N.	1	N.W. by W.	2	N. W.	1	2
N.W. by N.	6	N. N. W.	6	N.	6	N. N.W.	4	N. by W.	3	N.W. by W.	4	3
N.W. by N.	5	N.W. by N.	4	N. N.W.	5	N.W. by N.	5	N.W. by N.	7	N.W. by N.	5	4
N. by W.	8	N. by W.	10	N.W. by N.	10	N.W. by N.	10	N.W. by N.	8	N.W. by N.	7	5
N.W. by N.	4	N.W. by N.	3	N.W. by N.	4	N.W. by N.	6	N. W.	5	S.W.	4	6
N.W.	3	N. N. W.	3	N.W. by N.	2	N. N.W.	3	—	Calm.	Variable.	1	7
—	—	—	—	—	—	—	—	—	—	—	—	8
N.W. by N.	4	N.W. by W.	2	N. by W.	4	N. by W.	4	N. by W.	5	N.	4	9
N. by W.	3	—	Calm.	?	?	N. N.W.	1	N.W. by N.	2	S. E. by E.	2	10
—	Calm.	S. E. by S.	1	W. by N.	1	N.W. by W.	1	N.W. by N.	4	N. by W.	4	11
N. by E.	3	—	Calm.	N. by W.	4	N. by W.	2	N. N.W.	4	N. by W.	4	12
N.W. by N.	4	N.W. by N.	3	?	?	N. W.	1	N.W. by N.	2	N.W. by N.	3	13
N. N.W.	2	N. E. by N.	1	?	?	N. by W.	1	N. by W.	2	W.	2	14
—	—	—	—	—	—	—	—	—	—	—	—	15
N.W. by N.	4	—	Calm.	N.W. by N.	2	N.W. by N.	2	W. by S.	4	N.W. by N.	?	16
N. by W.	3	N. by W.	2	—	Calm.	N.W. by N.	5	N.W. by N.	4	N.W. by N.	5	17
—	Calm.	N. by W.	5	N. by W.	5	N.W. by N.	5	N. N.W.	5	N. N.W.	5	18
N.W. by N.	2	N. by W.	5	N. N.W.	3	N.W. by N.	5	N.W. by N.	7	N.W. by N.	2	19
S.W.	5	S. by W.	4	S. E. by S.	2	S.W. by S.	4	S. by W.	3	S.W. by W.	5	20
S.W. by W.	6	S. W. by W.	8	S. S.W.	7	S. S.W.	8	W.	8	S. by W.	5	21
—	—	—	—	—	—	—	—	—	—	—	—	22
—	Calm.	S. S. E.	1	—	Calm.	—	Calm.	S. by E.	2	S. by E.	2	23
?	?	—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	Calm.	24
N. by W.	4	N. by W.	5	N. N.W.	5	N.W. by N.	5	N.W. by N.	4	N. by W.	3	25
N.W. by W.	5	N.W. by N.	5	N. by W.	3	N.W.	4	N.W. by N.	2	S. E. by E.	4	26
S. by W.	1	—	Calm.	S. W. by S.	1	S.W. by W.	1	N.W. by N.	1	S. E.	2	27
—	Calm.	—	Calm.	N.	4	N.W.	4	N.W. by N.	4	N. by W.	3	28
—	—	—	—	—	—	—	—	—	—	—	—	29
N.W. by N.	4	N.W. by N.	2	N.W. by N.	2	N. by W.	5	N. by W.	2	N. by W.	2	30
S.W. by S.	1	—	Calm.	—	Calm.	N. by W.	4	N. by W.	4	S. E. by S.	2	31

SEPTEMBER.

OCTOBER.

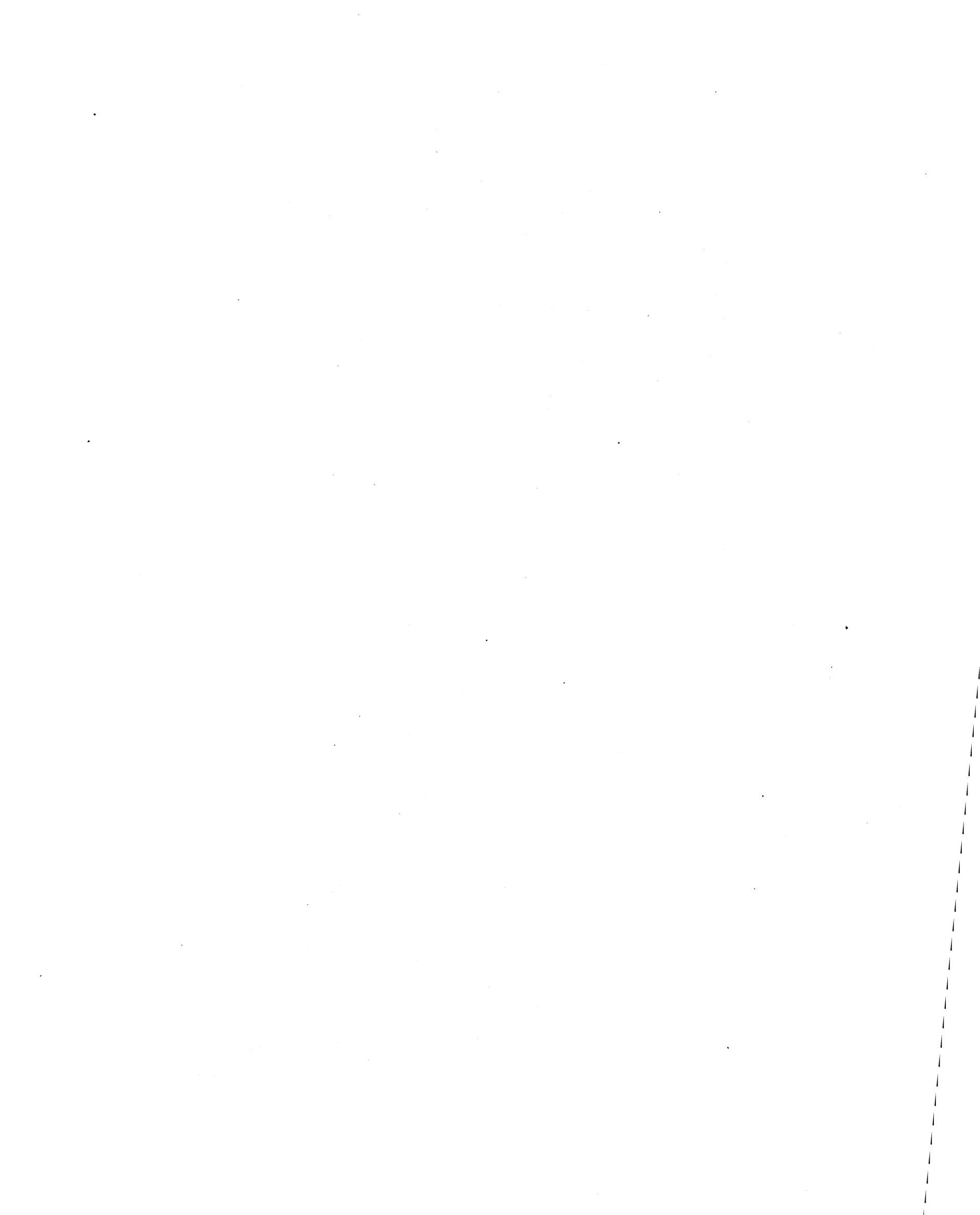
DIRECTION AND FORCE OF THE WIND.														
Mean Van Diemen Island Time, Astronomical Reckoning.	1 ^h .		3 ^h .		5 ^h .		7 ^h .		9 ^h .		11 ^h .			
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
NOVEMBER.	1	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. by E.	4	S. by E.	4	S. by E.	3	
	2	S. S. E.	5	S. S. E.	5	S. by E.	5	S. by E.	2	—	Calm.	S. by E.	1	
	3	N. W.	5	N. W. by W.	5	N. W. by W.	6	N. W. by W.	3	N. by W.	5	N. by W.	1	
	4	N. by W.	2	N. W. by W.	2	N. W.	4	N. W. by W.	2	—	Calm.	N. W. by N.	2	
	5	S. S. E.	3	S. E. by S.	3	S. S. E.	4	S. S. E.	1	—	Calm.	—	Calm.	
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	N. W. by N.	6	N. W. by N.	6	N. W. by N.	6	N. W. by N.	7	S. W. by W.	7	S. W. by W.	7	
	8	N. by W.	7	N. by W.	6	N. W. by W.	6	N. W. by W.	4	N. W.	4	N. W. by N.	4	
	9	N. W. by N.	1	S. E. by S.	4	S. E. by S.	4	S. E. by S.	2	—	Calm.	N. W. by W.	3	
	10	N. W. by N.	10	N. W. by N.	9	N. W. by N.	9	N. W. by N.	9	N.	7	N. by W.	9	
	11	N. W.	5	N. by W.	5	N. W. by N.	4	N. W. by N.	4	N. W. by W.	4	N. N. W.	4	
	12	N. W. by W.	7	N. W. by N.	4	N. W. by W.	5	N. W. by W.	5	N. W. by W.	3	E. by N.	2	
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	N. W. by N.	5	N. W. by N.	6	N. W. by N.	4	N. W. by N.	4	N. W. by W.	5	N. W. by N.	5	
	15	N. by E.	5	N. by W.	3	N. by W.	2	N. N. W.	4	N. N. W.	3	N. W.	2	
	16	W. N. W.	7	N. W. by N.	7	N. W. by N.	8	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	
	17	N. by W.	3	N. W.	4	N. W. by N.	3	N. W. by N.	5	N. W. by N.	5	N. N. W.	5	
	18	N. W. by W.	8	N. W. by W.	8	W. by S.	6	N. W. by W.	6	N.	5	N. N. W.	5	
	19	N. W. by N.	4	N. W. by N.	4	N. W. by N.	5	N.	6	N.	6	N. W. by N.	4	
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	N. W. by W.	6	N. W. by W.	8	W. by N.	6	W. by S.	7	N. by E.	4	N. by W.	4	
	22	N. by W.	7	N. by W.	7	N. by W.	4	N. W. by N.	1	—	Calm.	—	Calm.	
	23	N. W. by W.	5	N. N. W.	5	N. W. by N.	4	—	Calm.	—	Calm.	W. by N.	1	
	24	S. E. by S.	1	S. E. by S.	2	S. E. by S.	2	S. E. by S.	3	—	Calm.	S. E. by S.	2	
	25	S. E. by S.	6	S. by E.	5	S. by E.	8	S. by E.	8	S. E. by S.	9	S. E. by S.	9	
	26	S.	8	S. E.	8	S.	7	S.	8	S. E. by S.	7	S. by E.	3	
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	S. E. by S.	5	S. E. by S.	5	S. S. E.	5	S. E. by S.	4	—	Calm.	—	Calm.	
	29	S. E. by S.	2	S. E. by S.	2	S. E. by S.	3	—	Calm.	—	Calm.	N. by E.	4	
	30	—	Calm.	S. E. by S.	5	S. E. by S.	4	S. E. by S.	1	—	Calm.	N. W.	2	
DECEMBER.	1	N. W.	8	N. W.	9	N. W.	9	N. W.	9	N. W. by N.	9	N. W. by N.	9	
	2	N. W. by N.	7	N. W. by W.	7	N. W. by W.	5	N. W. by W.	6	N. W. by W.	8	N. W. by W.	8	
	3	N. by W.	6	N. by W.	6	W. by N.	5	N. W.	5	N. W. by N.	4	N. by W.	4	
	4	—	—	—	—	—	—	—	—	—	—	—	—	
	5	S. E. by S.	6	S. E. by S.	6	S. by E.	5	S. by E.	4	S. by E.	2	S. by E.	2	
	6	S. E. by S.	4	S. E. by S.	6	S. E. by S.	4	S. E. by S.	3	—	Calm.	—	Calm.	
	7	N. E. by E.	2	S. W. by W.	4	N. W. by N.	4	N. W. by N.	4	N. W. by W.	3	N. W. by N.	4	
	8	N. by W.	6	N. W. by N.	6	N.	4	N. W. by W.	2	W.	3	W. by N.	2	
	9	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. S. W.	4	S. E. by S.	1	S. E. by S.	1	
	10	S. E. by S.	4	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	—	Calm.	S. E. by S.	1	
	11	—	—	—	—	—	—	—	—	—	—	—	—	
	12	N. by W.	9	N. by W.	9	N. by W.	9	N. W. by N.	4	N. W. by W.	6	N. W. by N.	5	
	13	N. N. W.	3	N. by W.	4	W. by N.	5	N. N. W.	4	N. W. by N.	2	N. W. by N.	2	
	14	N. E. by E.	2	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	S. by E.	2	S. by E.	2	
	15	S. E. by S.	5	S. E. by S.	5	S. E. by S.	6	S. E. by S.	5	S. by E.	4	—	Calm.	
	16	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. S. E.	5	S. by E.	3	—	Calm.	
	17	S. by E.	3	S. by E.	4	S. E.	4	S. E.	4	S. E.	3	S. E.	3	
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	S. E. by S.	1	S. by W.	2	S. by W.	4	S. E. by S.	2	S. E. by S.	3	—	Calm.	
	20	N. W. by W.	6	N. W. by N.	4	N. W. by N.	4	N. N. W.	4	N. N. W.	2	—	Calm.	
	21	S. E. by S.	4	S. E. by S.	2	S. E. by S.	3	—	Calm.	—	Calm.	—	Calm.	
	22	N. N. W.	6	N. N. W.	3	S. E. by S.	2	—	Calm.	S. W.	1	—	Calm.	
	23	N. N. W.	5	N. W. by N.	6	N. W. by N.	7	N. W. by N.	7	N. W. by N.	7	W. by N.	6	
	24	S. by E.	5	S. W. by S.	3	S. by W.	3	W. by S.	3	—	Calm.	N. E. by N.	1	
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	S. E. by S.	5	S. E. by S.	5	S. E. by S.	6	S. E. by S.	5	S. E. by S.	4	S. E. by S.	1	
	27	S. E. by S.	4	S. E. by S.	4	S. E. by S.	3	S. E. by S.	3	—	Calm.	—	Calm.	
	28	S. E. by S.	6	S. E. by S.	6	S. E.	6	S. E.	5	S. by E.	4	S. S. E.	4	
	29	S. E. by S.	5	S. E. by S.	5	S. S. E.	5	S. S. E.	5	S. S. E.	3	S. S. E.	1	
	30	S. E. by S.	6	S. E. by S.	5	S. E. by S.	5	S. E. by S.	5	S. E. by S.	4	—	Calm.	
	31	S. E. by S.	3	S. E. by S.	4	S. S. E.	4	S. E. by S.	3	—	Calm.	N. by E.	2	

DIRECTION AND FORCE OF THE WIND.

13 ^h .		15 ^h .		17 ^h .		19 ^h .		21 ^h .		23 ^h .		Mean Van Diemen Island Time, Astronomical Reckoning.
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N. N. W.	4	N. by W.	5	N. by W.	6	N. W. by N.	4	N. by W.	4	S. E. by S.	5	1
N. W. by W.	2	N. W. by N.	2	N.	4	N. by W.	5	N. by W.	5	N. W.	4	2
N. W. by N.	4	N. W. by N.	3	—	?	N. by W.	4	N. W. by N.	5	N. W. by W.	5	3
N. W. by W.	4	N. W.	4	—	Calm.	N. W. by W.	1	N. by W.	2	N. W. by N.	2	4
—	—	—	—	—	—	—	—	—	—	—	—	5
N. W. by N.	2	N. W. by N.	4	N. N. W.	4	N. by W.	5	N. W.	5	N. W. by N.	6	6
N. by E.	7	N. by E.	7	—	?	N. N. W.	7	N. by W.	7	N. by W.	7	7
N. W. by N.	4	N. W. by N.	4	N. by W.	2	N. by W.	4	N. by W.	5	N. by W.	4	8
N. by W.	8	N. by W.	6	—	?	W. by N.	5	N. N. W.	6	N. W. by N.	8	9
N. W. by N.	10	N. W. by N.	4	N. W. by N.	5	N. W. by N.	4	N. W. by W.	5	N. W. by N.	5	10
N. W. by N.	3	N. by W.	8	N. by E.	9	N. by E.	9	N. by W.	8	N. W. by W.	8	11
—	—	—	—	—	—	—	—	—	—	—	—	12
N. N. W.	2	N. W. by N.	3	N. W. by W.	5	N. W. by N.	4	N. W. by N.	5	N. W. by N.	5	13
N. W. by N.	10	W. by S.	6	N. W. by N.	4	N. W. by N.	3	N. N. W.	5	N. N. W.	4	14
N. W. by N.	4	N. by W.	5	N. W. by N.	5	N. by W.	5	N. W. by N.	5	N. W. by N.	6	15
N. W. by W.	5	N. W. by W.	4	N. N. W.	4	N. W. by N.	4	W. by N.	4	N. W. by W.	4	16
N. W. by W.	9	N. W. by W.	3	—	?	N. W. by N.	3	N. W. by W.	5	N. W. by W.	5	17
N. W. by N.	5	N. W. by N.	6	—	?	—	?	—	Calm.	N. W. by N.	7	18
—	—	—	—	—	—	—	—	—	—	—	—	19
N. W. by N.	4	N. W. by N.	5	W. by N.	6	N. W. by N.	5	W. by N.	6	N. W. by N.	6	20
N. by W.	3	N. W. by W.	5	N. W. by N.	4	N. W. by N.	6	N. W. by W.	6	N. W. by W.	6	21
N. W. by N.	2	N. W. by N.	1	—	Calm.	N. by E.	4	N. N. W.	6	N. N. W.	5	22
S. E. by S.	2	—	Calm.	—	?	S. E. by S.	1	E. by S.	1	S. E. by E.	4	23
S. E. by S.	2	S. E. by S.	4	S. E.	5	S. E.	5	S. E. by S.	6	S. E. by E.	5	24
S. by W.	9	S. by W.	9	S. by E.	10	S. by E.	7	S. by E.	9	S.	9	25
—	—	—	—	—	—	—	—	—	—	—	—	26
—	Calm.	—	Calm.	—	Calm.	N. W. by N.	1	N.	2	S. E.	4	27
—	Calm.	S. by E.	1	S. by E.	1	N. by W.	2	N. by W.	2	Var.	1	28
N. N. W.	4	N. W. by W.	4	N. W. by N.	6	N. W. by N.	7	N. W. by N.	3	S. E. by E.	3	29
—	Calm.	—	Calm.	—	Calm.	N. N. W.	4	N. W. by N.	4	N. W. by W.	6	30
—	—	—	—	—	—	—	—	—	—	—	—	31
N. N. W.	9	N. W. by N.	7	N. W. by N.	9	N. W. by W.	6	N. W. by W.	6	N. W. by N.	9	1
N. N. W.	4	N. W. by N.	2	—	Calm.	N. W. by N.	4	N. W. by N.	5	N.	7	2
—	—	—	—	—	—	—	—	—	—	—	—	3
S. by W.	4	S. by W.	1	S. by W.	1	S. E. by S.	5	S. E. by S.	4	S. E. by S.	5	4
—	Calm.	W. by N.	2	—	Calm.	N. W. by W.	2	N. E. by N.	1	N. E.	3	5
N. by W.	3	N. W. by N.	4	N. W. by N.	4	N. by W.	5	N. W. by N.	7	N. W. by N.	2	6
N. W. by N.	6	N. W. by W.	6	N. W. by W.	5	N. W. by N.	6	N.	6	N. W. by W.	6	7
W. by S.	5	N. W. by N.	3	N. W. by N.	3	S. W. by S.	3	Variable.	4	S. E. by E.	4	8
—	Calm.	—	Calm.	—	Calm.	S. E. by S.	1	S. E. by S.	3	S. E. by S.	4	9
—	—	—	—	—	—	—	—	—	—	—	—	10
N. by W.	2	—	?	N. W. by N.	6	N. by W.	7	N. W. by N.	8	N. W. by N.	9	11
N. by E.	5	N. by E.	5	N. W. by N.	4	N. W.	4	N. W.	4	N. W. by N.	3	12
N. W. by N.	2	N. W. by N.	1	—	Calm.	N. W. by N.	3	N. W. by N.	6	N. by W.	4	13
—	Calm.	S. E. by S.	1	—	Calm.	—	Calm.	N. by W.	2	S. E. by S.	5	14
S. by E.	2	S. E. by S.	2	S. E. by S.	1	S. E. by S.	1	S. E. by S.	2	S. E. by S.	2	15
—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. by E.	2	S. E. by S.	2	16
—	—	—	—	—	—	—	—	—	—	—	—	17
N. by E.	6	N. by E.	6	N. by W.	5	N.	3	N. by W.	1	—	Calm.	18
N. W. by W.	4	N. N. W.	5	N. W. by N.	4	N. by W.	4	N. by W.	4	Variable.	3	19
N. W. by N.	2	N. W. by N.	3	N. W. by N.	4	N. W. by N.	4	N. W. by N.	3	N. W. by N.	3	20
N. E. by E.	2	N. by W.	5	N. W.	4	N. W. by N.	6	N. W. by N.	7	N. W. by N.	6	21
N. by W.	4	N. W. by N.	4	N. W. by N.	4	N. by W.	5	N. by W.	4	N. W. by N.	5	22
N. E.	1	S. by W.	2	—	Calm.	S. by W.	1	N. N. W.	1	S. by W.	1	23
—	—	—	—	—	—	—	—	—	—	—	—	24
—	Calm.	—	Calm.	—	Calm.	by W.	2	E.	1	S. E. by S.	4	25
—	Calm.	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	2	S. E. by S.	2	26
N. by W.	4	N. by W.	5	N. W. by W.	3	S. E. by S.	5	S. E. by S.	4	S. E. by S.	5	27
S. by E.	4	S. by E.	3	—	Calm.	N. by W.	2	S. by E.	2	S. by E.	2	28
—	Calm.	—	Calm.	—	Calm.	S. E. by S.	4	S. S. E.	5	S. S. E.	6	29
—	Calm.	S. by E.	1	—	Calm.	—	Calm.	—	Calm.	S. E. by S.	3	30
—	Calm.	—	Calm.	—	Calm.	—	Calm.	—	4	—	4	31

NOVEMBER.

DECEMBER.



VAN DIEMEN ISLAND, 1842.

METEOROLOGICAL JOURNAL.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JANUARY.										
D.	H.	°	°	°	°	°		In.		
1	3	74.0	— ^a					1.0		Sultry and close.
1	9	61.2	—					1.0	—	Appearance of Aurora to the South at 11 ^h .
Sunday 21										
2	15	56.2	—	92.5	54.5	73.5	130	1.0		Gloomy.
2	21	73.2	—					0.25		Cirrous haze.
3	3	93.2	—					1.0		Squally; hot wind commenced at 1 ^h .
3	9	65.6	—	96.2	56.2	76.2	—	1.0	0.05	Slight rain.
3	15	58.0	—					1.0		Rain from 11 ^h to 15 ^h .
3	21	63.5	—					1.0		Gloomy.
4	3	66.0	—					0.37		Shower of rain at 5 ^h .
4	9	53.8	—	71.0	49.5	60.3	—	1.0	0.25	Rain.
4	15	49.5	—					0.37		
4	21	61.5	—					0.50		Squally, with rain.
5	2	62.2	—					1.0		Passing showers.
5	9	52.0	—	66.5	45.2	55.9	92	0.50	0.02	
5	15	45.2	—					0.0		Fine weather.
5	21	64.4	—					0.63		
6	3	65.8	—					0.75		
6	9	—	—	71.2	49.2	60.2	133	0.0	—	Fine.
6	15	49.2	—					0.25		Very hazy.
6	21	65.8	—					0.0		
7	3	72.0	—					0.25		
7	9	58.5	—	72.0	52.8	62.4	121	0.63	—	Mist.
7	15	53.0	—					0.12		
7	21	69.5	—					0.0		Much haze.
8	3	69.0	—					0.50		Becoming overcast.
8	9	58.4	—					1.0	—	Light rain at 11 ^h .
Sunday 21										
9	15	49.4	—	64.5	48.0	56.3	120	0.75		Gloomy.
9	21	60.4	—					0.25		Hazy.
10	3	68.0	—					0.50		
10	9	54.5	—	68.5	46.5	57.5	127	0.50	—	
10	15	48.0	—					0.25		Much haze.
10	21	62.8	—					0.25		
11	3	71.0	—					0.25		
11	9	58.5	—	70.2	49.2	59.7	130	0.0	—	Fine.
11	15	49.8	—					0.0		Misty.
11	21	65.5	—					0.25		
12	3	82.0	—					1.0		Sultry and close.
12	9	64.5	—	81.0	60.0	70.5	143	1.0	0.02	Gloomy, with rain.
12	15	61.2	—					1.0		Gloomy.
12	21	74.5	—					0.50		Hot wind commencing.
13	3	78.5	—					0.25		Strong squalls.
13	9	65.5	—	94.0	55.5	74.8	88	1.0	—	
13	15	59.0	—					0.37		Rain at 17 ^h .
13	21	65.5	—					0.63		Squally breeze.
14	3	74.0	—					0.63		
14	9	59.0	—	75.8	52.0	63.9	—	1.0	0.4	Hard squalls.
14	15	56.0	—					0.25		Rain at 17 ^h .
14	21	59.2	—					0.63		Squally breeze.
15	3	60.4	—					0.0		Passing squalls.
15	9	48.6	—					1.0	—	Squalls with rain.
Sunday 21										
16	15	56.0	—	67.0	47.8	57.4	98	1.0		Strong squally breeze; pressure 8 lbs. at 17 ^h .
16	21	63.8	—					0.25		Squally breeze.
17	3	74.5	—					1.0		Heavy squalls at 1 ^h ; pressure 6 lbs.
17	9	54.8	—	75.0	45.6	60.3	109	0.50	—	
17	15	47.4	—					0.0		Clear.
17	21	61.5	—					0.25		Hazy.
18	3	69.0	—					1.0		
18	9	59.0	—	74.1	54.8	64.5	137	1.0	—	Light rain.
18	15	55.8	—					0.12		
18	21	69.5	—					1.0		Fresh squalls at 23 ^h ; pressure 4 lbs.

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JANUARY.										
D.	H.	°	°	°	°	°		In.		
19	3	82.5	—				0.	—		
19	9	62.5	—				0.0	—		
19	15	54.8	—	84.0	54.5	69.3	128	0.0	Fine.	
19	21	67.5	—				0.0	—	Fine.	
20	3	82.0	—				1.0	—		
20	9	62.0	—				1.0	0.03	Rain from 7 ^h to 9 ^h ; at 7 ^h , pressure 6 lbs.	
20	15	62.2	—	81.5	56.8	69.2	122	1.0	Sultry and close.	
20	21	66.5	—				0.63	—		
21	3	79.0	—				0.25	—		
21	9	62.2	—				0.0	—	Fine.	
21	15	49.2	—	79.3	48.6	63.9	126	0.12		
21	21	64.0	—				1.0	—	Misty.	
22	3	69.5	—				0.25	—		
22	9	57.2	—				0.37	—		
Sunday 21										
23	15	60.8	—	70.5	59.2	64.9	111	0.50	Hot wind commenced at 13 ^h ; pressure at 15 ^h , 6 lbs.	
23	21	68.5	—				1.0	—	Violent squalls at 19 ^h ; pressure at 23 ^h , 10 lbs.	
24	3	92.2	—				0.0	—	Hot and sultry.	
24	9	65.5	—				0.25	—	Wind changed to S.E. by S. suddenly.	
24	15	61.2	—	93.8	59.5	76.7	126	0.25	Dark heavy clouds.	
24	21	69.5	—				1.0	—	Much haze.	
25	3	76.0	—				1.0	—		
25	9	60.5	—				1.0	—	Gloomy.	
25	15	56.4	—	81.8	51.8	66.8	132	0.37	Misty.	
25	21	66.5	—				0.12	—	Much haze.	
26	3	73.0	—				0.37	—		
26	9	60.5	—				1.0	0.60	Gloomy with rain.	
26	15	57.2	—	74.0	54.2	64.1	—	1.0	Rain.	
26	21	55.5	—				1.0	—	Rain continuing.	
27	3	54.5	—				1.0	0.70	Passing showers.	
27	9	54.6	—	56.0	50.0	53.0	—	1.0	Light rain.	
27	15	50.2	—				1.0	—	Gloomy.	
27	21	55.5	—				0.50	—		
28	3	59.5	—				0.75	—		
28	9	52.8	—				1.0	—	Gloomy.	
28	15	52.0	—	58.8	51.5	55.2	—	1.0		
28	21	58.5	—				1.0	—		
29	3	65.0	—				0.75	—		
29	9	55.8	—				1.0	—		
Sunday 21										
30	15	55.0	—	68.0	52.8	60.4	—	0.75	Pressure occasionally 4 lbs. from 0 ^h to 9 ^h .	
30	21	67.2	—				0.63	—		
31	3	72.0	—				0.75	b		
31	9	56.8	—				1.0	—	Rain from 5 ^h .	
31	15	55.5	—	71.8	55.0	63.4	—	1.0	Drizzling rain.	
31	21	62.8	—				1.0	—	Gloomy.	
FEBRUARY.										
1	3	65.0	—				1.0	—		
1	9	55.5	—				0.37	—		
1	15	55.0	—	66.0	52.0	59.0	130	0.50		
1	21	63.0	—				0.63	—		
2	3	77.0	—				0.12	—		
2	9	61.2	—				0.50	—	Slight appearance of Aurora in S.W.	
2	15	57.6	—	78.8	54.6	66.7	128	0.75		
2	21	67.5	—				0.50	—	Cirrous haze.	
3	3	69.5	—				0.25	—		
3	9	57.0	—				0.50	—		
3	15	54.0	—	69.5	52.0	60.7	134	1.0		
3	21	63.8	—				0.0	—	Distant objects very visible.	
4	3	71.5	—				0.0	—	Haze; pressure at 1 ^h , 4 lbs.	
4	9	60.0	—				0.0	—		
4	15	56.0	—	72.5	55.5	64.0	138	0.25		
4	21	69.0	—				0.0	—	Misty.	

^a Hygrometer broken.

^b Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
FEBRUARY.										
D.	H.	°	°	°	°	°		In.		
5	3	72.4	— ^a	°	°	°	°	0.0	—	Much haze; pressure at 0 ^h 4 lbs.
5	9	60.5	—					0.25	—	
Sunday 21										
6	15	69.0	—	85.0	68.5	76.8	110	1.0		Gloomy; thunder and lightning in the W. at 13 ^h .
6	21	83.2	—					1.0		Sultry and close from 17 ^h ; at 23 ^h pressure 7 lbs.
7	3	74.8	—					0.0		Very gloomy; a thunderstorm passing.
7	9	66.0	—	92.2	59.5	75.8	—	0.75	0.32	
7	15	60.0	—					1.0		
7	21	67.2	—					1.0		
8	3	67.0	—					1.0		Passing showers.
8	9	61.2	—	72.0	57.0	64.5	134	0.25	0.20	
8	15	57.5	—					0.12		
8	21	65.0	—					0.25		
9	3	70.8	—					0.25		
9	9	59.5	—	73.8	57.0	65.4	128	1.0	—	Gloomy, with drizzling rain at 11 ^h .
9	15	58.0	—					1.0		Drizzling rain.
9	21	70.5	—					0.25		
10	3	72.6	—					0.25		
10	9	60.5	—	76.5	58.8	67.6	118	1.0	—	
10	15	61.0	—					1.0		Gloomy.
10	21	66.0	—					0.50		Cirrus haze.
11	3	69.4	—					1.0		Pressure at 1 ^h 4 lbs.
11	9	57.2	—	73.2	52.8	63.0	—	1.0	0.18	Light drizzling rain.
11	15	53.5	—					1.0		Light drizzling rain.
11	21	54.8	—					1.0		Light drizzling rain.
12	3	59.8	—					1.0		Passing showers.
12	9	53.8	—					0.37	0.20	
Sunday 21										
13	15	51.5	—	69.0	48.0	58.5	115	1.0	0.17	
13	21	60.2	—					1.0		
14	3	68.0	—					0.25		
14	9	57.8	—	68.2	52.5	60.4	132	1.0	—	
14	15	52.0	—					0.25		
14	21	62.5	—					0.25		
15	3	67.0	—					1.0		
15	9	60.5	—	60.8	56.0	58.4	122	0.75	—	
15	15	58.0	—					0.37		
15	21	65.0	—					0.25		
16	3	67.8	—					0.50		
16	9	58.8	—	68.2	54.8	61.5	128	1.0	—	Gloomy.
16	15	55.5	—					1.0		Drizzling rain.
16	21	62.2	—					1.0		Gloomy.
17	3	71.0	—					0.25		
17	9	60.6	—	70.8	58.5	64.7	—	1.0	—	Gloomy.
17	15	59.2	—					1.0		Very gloomy
17	21	63.8	—					1.0		Gloomy.
18	3	72.5	—					1.0		
18	9	65.0	—	72.2	54.0	63.1	—	1.0	—	Appearance of Aurora in the South. Pressure at 16 ^h , 8 lbs.
18	15	57.0	—					1.0		
18	21	57.2	—					1.0		
19	3	64.0	—					1.0		
19	9	56.0	—					1.0	—	
Sunday 21										
20	15	52.2	—	72.8	46.4	59.6	118	1.0		
20	21	56.2	—					1.0		
21	3	64.5	—					0.25		Fine.
21	9	52.2	—	65.2	46.0	55.6	130	0.0	—	Fine.
21	15	47.6	—					0.0		
21	21	58.5	—					0.0		Thin haze.
22	3	75.2	—					0.25		
22	9	62.5	—	79.5	53.5	66.5	132	0.0	—	
22	15	54.5	—					0.0		Fine.
22	21	65.6	—					0.0		Hazy.

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
FEBRUARY.										
D.	H.	°	°	°	°	°	°	In.		
23	3	78.8	— ^a					0.0	Hazy.	
23	9	64.5	—	79.2	57.8	68.5	126	0.0	Hazy.	
23	15	59.2	—					0.0		
23	21	68.5	—					0.0	Much haze.	
24	3	85.2	—					0.0	Sultry and close.	
24	9	69.2	—	87.8	64.2	76.0	94	0.0	Sultry and close.	
24	15	67.0	—					0.0	Dark clouds gathering in the West.	
24	21	72.5	—					0.0	Unsettled weather.	
25	3	69.0	—					0.75		
25	9	58.5	—	79.2	50.3	64.8	130	0.37		
25	15	52.0	—					0.0		
25	21	62.2	51.5					0.0	Much haze.	
26	3	69.0	57.5					0.0	Hazy.	
26	9	59.0	56.0					1.0	Drizzling rain.	
Sunday 21										
27	15	60.0	58.0	72.5	55.0	63.8	—	1.0	Misty.	
27	21	59.5	—					1.0	Drizzling rain.	
28	3	62.5	55.0					1.0		
28	9	57.0	56.0	68.5	56.5	62.5	140	1.0	Drizzling rain.	
28	15	58.5	57.0					1.0	Gloomy.	
28	21	67.0	60.0					0.0	Clear.	
MARCH.										
1	3	77.0	62.0					0.0	Hazy.	
1	9	61.8	59.0	79.5	57.0	68.3	—	0.0	Hazy.	
1	15	60.8	58.0					0.0	Clear.	
1	21	74.2	53.0					0.75		
2	3	71.8	44.5					1.0		
2	9	60.8	48.0	79.7	55.5	67.6	131	0.25		
2	15	57.0	47.0					0.63		
2	21	64.5	47.5					0.0	Thin haze.	
3	3	74.6	47.0					0.25		
3	9	58.0	55.0	77.0	51.0	64.0	121	0.0	Fine.	
3	15	51.8	48.0					0.0	Heavy dew.	
3	21	64.0	50.0					0.25	Hazy.	
4	3	65.0	54.0					1.0	Pressure at 0 ^h , 5 lbs.	
4	9	55.0	55.0	71.8	48.2	60.0	—	1.0	Gloomy, with light rain.	
4	15	50.5	42.0					0.12		
4	21	57.2	43.0					0.37		
5	3	60.5	45.0					1.0	Gloomy.	
5	9	—	—					1.0	Drizzling rain at 11 ^h .	
Sunday 21										
6	15	55.2	46.0	68.0	53.0	60.5	131	1.0	Gloomy.	
6	21	60.0	48.0					0.12		
7	3	70.3	51.0					0.25		
7	9	—	—	70.2	50.2	60.2	126	0.25		
7	15	—	—					0.0	Clear.	
7	21	59.2	49.5					0.0	Clear and fine.	
8	3	75.5	53.0					0.15	Clear.	
8	9	61.0	55.0	75.8	54.8	65.3	108	0.0	Clear.	
8	15	55.0	54.0					1.0		
8	21	65.5	55.8					0.75		
9	3	74.5	57.0					1.0	Dark heavy clouds.	
9	9	64.0	59.0	76.0	60.0	68.0	—	1.0		
9	15	60.8	58.0					1.0		
9	21	68.0	58.0					0.75	Gloomy.	
10	3	68.2	52.8					1.0	Squally.	
10	9	56.0	43.7	77.5	52.2	64.9	104	0.25	Pressure from 4 ^h to 8 ^h , from 4 lbs. to 6 lbs.	
10	15	52.6	43.0					0.37	Strong squalls.	
10	21	61.0	45.2					1.0		
11	3	70.5	43.2					0.25		
11	9	56.0	—	73.5	51.7	62.6	86	1.0	Gloomy.	
11	15	54.0	52.0					0.37		
11	21	61.0	45.5					0.15		

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
MARCH.										
D.	H.	°	°	°	°	°	°	In.		
12	3	70.6	45.0					1.0		
12	9	57.0	45.0					1.0	—	Gloomy.
Sunday 21										
13	15	49.3	—	72.5	46.5	59.5	—	0.0		
13	21	58.5	43.0					0.25		
14	3	64.5	48.5					0.50		
14	9	56.2	48.5	65.0	46.5	55.8	100	1.0	—	Fine.
14	15	49.0	49.0					0.0		
14	21	59.0	48.5					1.0		
15	3	61.2	54.0					1.0		
15	9	56.0	50.0	71.0	50.5	60.8	—	1.0	—	
15	15	51.0	44.2					1.0		
15	21	58.2	48.0					1.0		
16	3	62.0	42.5					0.50		
16	9	49.5	38.5	63.5	42.0	52.8	125	0.0	—	Clear.
16	15	44.0	39.0					0.0		Clear.
16	21	51.2	42.2					0.0		Thin haze
17	3	64.8	49.5					0.0		Much haze.
17	9	54.0	49.0	64.8	46.5	55.7	122	0.25	—	Hazy.
17	15	50.0	49.0					0.37		
17	21	59.5	45.0					0.0		
18	3	64.0	53.0					0.25		
18	9	53.8	49.0	68.2	45.5	56.8	112	0.37	—	Clear.
18	15	49.0	43.2					0.0		Gloomy; pressure at 23 ^h , 8 lbs.
18	21	57.0	45.0					1.0		
19	3	71.8	41.0					0.25		Hard squalls.
19	9	55.0	42.0					0.0	—	Pressure at 20 ^d 0 ^h , and 3 ^h , 7 lbs.
Sunday 21										
20	15	57.2	44.0	71.5	53.0	62.3	—	1.0		Hard squalls.
20	21	59.5	44.2					1.0		
21	3	64.5	44.0					0.37		
21	9	54.5	41.0	68.0	46.0	57.0	110	0.25	—	
21	15	48.5	40.0					0.75		Light fleecy clouds.
21	21	57.4	42.0					0.75		Very hazy.
22	3	67.0	46.0					0.25		
22	9	53.0	47.0	68.0	50.8	59.4	118	0.36	—	
22	15	52.8	45.5					0.75		
22	21	58.5	45.7					0.25		
23	3	74.0	47.2					0.0		Clear and fine.
23	9	54.8	52.5	74.5	53.0	63.8	—	0.0	—	Clear and fine.
23	15	54.0	45.0					0.0		Hard gale; pressure 9 lbs.
23	21	60.0	47.0					1.0		Wind moderating.
24	3	61.5	50.0					1.0		Gloomy.
24	9	53.5	37.0	64.5	50.5	57.5	115	1.0	—	Gloomy.
24	15	51.0	41.0					1.0		
24	21	57.0	36.5					0.75		
25	3	61.8	42.8					0.25		Much haze.
25	9	49.2	42.0	62.8	43.6	53.2	118	0.0	—	Hazy.
25	15	44.5	42.5					0.0		Much mist.
25	21	52.2	44.5					0.50		
26	3	62.8	49.2					0.50		Hazy.
26	9	57.0	53.5					1.0	—	
Sunday 21										
27	15	56.5	53.0	68.5	52.5	60.5		1.0		Gloomy.
27	21	59.5	54.0					1.0		Gloomy.
28	3	63.8	52.0					1.0		
28	9	56.0	52.0	65.0	51.0	58.0	100	1.0	—	Gloomy.
28	15	53.8	52.0					1.0		
28	21	61.0	50.2					0.63		
29	3	66.5	55.0					0.25		
29	9	55.4	52.0	66.2	52.5	59.4	99	0.25	—	Clear.
29	15	54.0	53.0					0.0		Much haze.
29	21	61.8	53.5					0.25		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.					
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.									
MARCH.															
D.	H.														
30	3	75.0	57.0	°	°	°	°	1.0	In.	Light rain.					
30	9	64.5	61.0	79.5	61.6	70.6	—	1.0	b	Rain ceased at 7 ^h .					
30	15	66.0	— ^a					0.50		Pressure 6 lbs.					
30	21	65.2	—					1.0		Passing showers at 19 ^h .					
31	3	70.0	—					1.0							
31	9	60.0	—	70.0	57.0	63.5	—	1.0	—	Light rain at 17 ^h .					
31	15	58.8	—					0.37		Light rain.					
31	21	59.0	—					1.0							
APRIL.															
1	3	60.0	—	60.0	45.0	52.5	112.0	0.75	—	Passing squalls; pressure 6 lbs.					
1	9	52.8	—					0.75		Pressure at 7 ^h , 7 lbs.					
1	15	49.5	—					0.50							
1	21	50.5	—					0.25							
2	3	67.0	—	69.2	45.2	57.2	96.0	0.0	—	Misty.					
2	9	51.0	—					0.0		Clear.					
Sunday 21															
3	15	47.5	—	69.0	49.0	59.0	—	0.75	—	Fresh gale; pressure 8 lbs.					
3	21	50.3	—					1.0		Strong squalls; pressure 6 lbs.					
4	3	68.0	—	63.2	46.5	54.9	—	0.0	0.16	Passing showers.					
4	9	59.8	—					0.0		Misty.					
4	15	50.2	—					1.0		Hard rain.					
4	21	55.0	—					0.37		Distant thunder at 23 ^h .					
5	3	60.0	—	62.8	47.3	55.0	—	0.50	0.07	Gloomy.					
5	9	47.2	—					0.0		Hard rain at 11 ^h .					
5	15	46.5	—	66.5	48.0	57.3	—	1.0	0.03	Occasional showers.					
5	21	54.5	—					0.37							
6	3	58.0	—	55.2	44.2	49.7	—	0.75	—	Variable.					
6	9	50.0	—					0.75		Clear.					
6	15	47.8	—					0.9		Hard squalls; pressure at 13 ^h , 8 lbs.					
6	21	53.3	—					1.0							
7	3	53.0	—	66.5	48.0	57.3	—	0.75	0.03	Light rain.					
7	9	44.5	—					1.0		Passing showers					
7	15	47.5	—	64.0	49.5	56.8	104.0	0.63	—						
7	21	54.8	—					0.25							
8	3	63.0	—					0.50							
8	9	54.0	—					1.0							
8	15	50.4	—	64.8	44.2	59.5	—	0.25	—	Pressure at 10 ^d 1 ^h , 4 lbs.					
8	21	53.0	—					0.25							
9	3	66.2	—	59.0	41.5	50.3	76.0	1.0	0.14	Strong squally breeze.					
9	9	56.0	—					0.50		Heavy rain.					
Sunday 21															
10	15	43.2	—					54.5		39.8	47.2	—	0.37	0.14	Slight appearance of Aurora in the South.
10	21	46.0	—	0.0											
11	3	47.5	—	54.8	44.8	49.8	—	1.0	—	Passing showers.					
11	9	43.8	—					0.37							
11	15	40.0	—					0.50		Strong squally breeze.					
11	21	48.0	—					0.50		Fresh squalls.					
12	3	53.3	—	64.0	49.5	56.8	104.0	1.0	—	Gloomy.					
12	9	45.5	—					1.0		Gloomy.					
12	15	48.5	—	70.0	51.5	60.8	95.0	0.0	—	Aurora in the South from 13 ^h to 15 ^h .					
12	21	55.5	—					0.0							
13	3	64.8	—	64.8	44.2	59.5	—	1.0	—	Gloomy; pressure at 1 ^h , 6 lbs.					
13	9	55.0	—					1.0		Aurora in the South; pressure at 8 ^h , 4 lbs.					
13	15	51.2	—					0.0		A few light clouds.					
13	21	53.5	—					0.25							
14	3	66.5	—	64.8	44.2	59.5	—	0.75	—	Aurora in the South					
14	9	59.0	—					0.25							
14	15	53.2	—	64.8	44.2	59.5	—	0.0	—						
14	21	57.2	—					0.0							
15	3	62.0	—					0.0							
15	9	49.0	—					0.0							
15	15	46.8	—	64.8	44.2	59.5	—	0.0	—						
15	21	51.0	—					0.0							

^a Hygrometer broken.

^b Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
APRIL.										
D.	H.	°	°	°	°	°		In.		
16	3	63·8	— ^a				1·0	—	Gloomy, slight rain.	
16	9	53·5	—				1·0	—		
Sunday 21										
17	15	46·0	—	54·0	42·0	48·0	96·0	0·25		
17	21	48·0	—					0·50		
18	3	57·5	—					1·0	Gloomy.	
18	9	50·5	—	59·8	45·0	52·4	—	0·50		
18	15	45·8	—					0·0	Clear; heavy dew.	
18	21	49·5	—					0·25	Heavy dew.	
19	9	59·5	—					1·0	Gloomy.	
19	3	49·8	—	61·0	46·5	53·8	88·0	0·50		
19	15	48·4	—					1·0		
19	21	52·2	—					0·50		
20	3	58·5	—					1·0	Gloomy.	
20	9	49·8	—	60·8	45·0	52·9	—	1·0	Light fleecy clouds.	
20	15	48·0	—					1·0		
20	21	50·6	—					0·25		
21	3	57·8	—					1·0		
21	9	49·5	—	59·0	45·6	52·3	108·0	1·0		
21	15	45·8	—					0·25	Clear.	
21	21	50·0	—					0·25	Cirrous haze.	
22	3	62·0	—					0·25		
22	9	50·5	—	62·5	47·5	55·0	113·5	0·25		
22	15	48·2	—					0·25		
22	21	52·8	—					0·0	Clear.	
23	3	65·2	—					0·15	Misty.	
23	9	53·2	—					0·25		
Sunday 21										
24	15	54·5	—	67·2	49·0	58·1	—	1·0	Gloomy.	
24	21	52·0	—					1·0		
25	3	58·2	—					0·25	Squally breeze.	
25	9	49·8	—	59·2	47·2	53·2	—	0·15		
25	15	48·0	—					0·37	Squally breeze.	
25	21	51·5	—					1·0		
26	3	60·0	—					1·0	Squally breeze; pressure at 5 ^h , 10 lbs.	
26	9	58·8	—	59·5	47·6	53·6	86·0	0·15	0·04 Pressure at 13 ^h , 9 lbs.	
26	15	51·6	—					0·25	Drizzling rain; pressure at 18 ^h , 8 lbs.	
26	21	48·4	—					1·0	Gloomy.	
27	3	54·2	—					0·25	Squally breeze.	
27	9	44·0	—	58·5	41·5	50·0	90·0	1·0	0·03 Occasional showers.	
27	15	44·0	—					0·15	Strong squalls with rain.	
27	21	45·8	—					0·37	Clearing.	
28	3	50·5	—					0·25		
28	9	44·8	—	51·0	43·5	47·3	—	0·25	Passing squalls.	
28	15	45·0	—					0·50		
28	21	51·5	—					1·0		
29	3	60·0	—					0·50	Fresh squally breeze.	
29	9	55·0	—	61·5	51·0	56·3	93·0	0·75	Dark clouds.	
29	15	53·0	—					1·0	Gloomy.	
29	21	56·0	—					0·75	Misty.	
30	3	61·2	—					0·50		
30	9	50·8	—					0·0	Clear.	
Sunday 21									Pressure at 18 ^h , 7 lbs., at 21 ^h , 8 lbs.	
MAY.										
1	15	56·0	—	69·8	54·5	62·2	—	0·75		
1	21	58·0	—					1·0	Gloomy; drizzling rain at 23 ^h .	
2	3	57·5	—					1·0		
2	9	56·0	—	58·2	47·6	52·9	75·0	0·37	Fresh squalls.	
2	15	50·0	—					0·25		
2	21	54·0	—					0·50		
3	3	60·3	—					0·25	Hazy.	
3	9	57·5	—	60·0	53·5	56·8	—	0·50	Fresh gale.	
3	15	55·5	—					1·0	Squally.	
3	21	55·0	—					0·50	Overcast in zenith; pressure at 23 ^h , 9 lbs.	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.					
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.								
MAY.															
D.	H.	°	° ^a	°	°	°	°	In.							
4	3	71.2	— ^a	72.2	50.5	61.4	84.0	1.0	0.50	Hot wind with violent squalls; at 1 ^h , pressure 15 lbs.					
4	9	56.2	—					Rain from 5 ^h to 7 ^h ; pressure at 5 ^h , 9 lbs., and at 7 ^h , 6 lbs.							
4	15	51.0	—					Clear; pressure 8 lbs.							
4	21	55.0	—					Rain from 17 ^h to 19 ^h ; pressure at 23 ^h , 8 lbs.							
5	3	61.2	—	61.5	47.5	54.5	—	0.37	0.10	Fresh squalls; pressure 6 lbs.					
5	9	57.5	—					Hard gale.							
5	15	51.4	—					Violent squalls with rain.							
5	21	50.0	—					Passing showers.							
6	3	50.5	—	50.8	44.2	47.5	—	0.0	0.05	Fresh gale in squalls; pressure at 1 ^h , 10 lbs.					
6	9	45.0	—					Passing showers.							
6	15	48.2	—					Strong squalls.							
6	21	49.4	—					Passing squalls with rain; pressure at 18 ^h , 11 lbs.							
7	3	53.8	—	47.5				1.0		Constant showers.					
7	9	47.5	—					0.25							
Sunday 21															
8	15	48.0	—					57.0		43.5	50.3	80.0	1.0	0.20	Rain ceased.
8	21	49.0	—	0.75											
9	3	53.0	—	0.50											
9	9	50.5	—	0.25											
9	15	48.8	—	55.5	48.5	52.0	95.0	0.0	—	Thin haze.					
9	21	52.5	—					1.0		Heavy squalls; pressure 8 lbs.					
10	3	59.5	—					0.75							
10	9	53.0	—					1.0							
10	15	50.8	—	59.2	48.5	53.9	94.0	0.50	—						
10	21	48.8	—					0.25							
11	3	49.0	—					1.0		Squalls with passing showers; pressure 4 lbs.					
11	9	41.0	—					0.37		Hard squalls.					
11	15	41.2	—	52.2	39.8	46.0	72.0	0.0	0.10	Strong squally breeze.					
11	21	45.5	—					0.37							
12	3	56.0	—					0.50		Rain at 5 ^h ; pressure 4 lbs.					
12	9	48.6	—					1.0		Light rain; pressure at 6 ^h , 5 lbs.					
12	15	50.5	—	56.0	46.2	51.1	81.0	0.25	0.34	Strong squalls.					
12	21	56.2	—					0.0		Squally; pressure 4 lbs.					
13	3	59.8	—					0.25							
13	9	54.0	—					0.25		Passing showers.					
13	15	54.0	—	61.5	52.5	57.0	—	0.37	b						
13	21	55.0	—					1.0		Drizzling rain at 23 ^h .					
14	3	52.2	—					1.0		Gloomy.					
14	9	43.8	—					0.0		Calm.					
Sunday 21															
15	15	42.0	—	56.5	36.4	46.5	—	0.25	—						
15	21	43.4	—					0.14							
16	3	53.5	—					1.0		Gloomy.					
16	9	47.5	—					1.0		Aurora from S.E. to S. from 9 ^h to 15 ^h .					
16	15	44.0	—	53.2	40.8	47.0	108.0	0.14	—						
16	21	45.8	—					0.25		Hazy.					
17	3	57.0	—					0.25							
17	9	51.5	—					1.0		0.38					
17	15	49.2	—	1.0	Light rain.										
17	21	48.8	—	1.0	Hard rain.										
18	3	53.4	—	1.0	Rain ceased.										
18	9	48.0	—	52.4	41.7	47.0	98.0	0.37	—	Thick fog.					
18	15	46.0	—					0.0		Thick fog.					
18	21	45.0	—					0.0		Fog cleared.					
19	3	56.2	—					0.75							
19	9	48.6	—	57.8	46.6	52.2	80.0	0.25	—						
19	15	47.8	—					0.37							
19	21	51.5	—					0.50							
20	3	58.0	—					1.0		Gloomy; pressure from 3 ^h to 9 ^h , from 4 to 5 lbs.					
20	9	54.8	—	60.0	49.0	54.5	—	0.25	—						
20	15	54.5	—					1.0							
20	21	49.8	—					1.0		Rain from 17 ^h to 19 ^h .					

^a Hygrometer broken.

^b Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
MAY.										
D.	H.	°	°	°	°	°		In.		
21	3	—	—	—	—	—	—	1.0		Light rain.
21	9	47.2	—	—	—	—	—	1.0	b	Rain.
Sunday 21										
22	15	46.2	—	50.0	38.5	44.3	—	0.37	0.14	Heavy rain.
22	21	44.5	—	—	—	—	—	1.0	—	Rain ceased.
23	3	46.0	—	—	—	—	—	1.0	—	Wind increasing.
23	9	41.5	—	45.5	38.0	41.8	—	0.25	—	Unsettled sky.
23	15	39.0	—	—	—	—	—	0.0	—	—
23	21	43.0	—	—	—	—	—	0.37	—	—
24	3	45.8	—	—	—	—	—	0.37	—	Slight rain.
24	9	39.5	—	—	—	—	—	0.50	b	—
24	15	42.8	—	46.5	39.3	42.9	79.0	0.25	—	Fresh gale; pressure 5 lbs.
24	21	47.7	—	—	—	—	—	1.0	—	—
25	3	52.5	—	—	—	—	—	0.75	—	—
25	9	48.0	—	55.0	45.0	50.0	94.0	0.25	—	—
25	15	46.0	—	—	—	—	—	0.25	—	—
25	21	48.0	—	—	—	—	—	0.25	—	Pressure at 19 ^h , 7 lbs.
26	3	54.2	—	—	—	—	—	0.37	—	—
26	9	46.5	—	—	—	—	—	0.25	—	—
26	15	46.2	—	55.0	45.5	50.3	72.0	0.50	—	—
26	21	49.2	—	—	—	—	—	0.37	—	—
27	3	57.0	—	—	—	—	—	0.25	—	—
27	9	52.8	—	—	—	—	—	0.75	b	—
27	15	51.0	—	54.8	48.5	51.7	—	0.50	—	Passing showers.
27	21	49.0	—	—	—	—	—	1.0	—	Occasional rain.
28	3	52.5	—	—	—	—	—	0.25	—	—
28	9	46.6	—	—	—	—	—	0.50	—	—
Sunday 21										
29	15	51.5	—	53.0	39.4	46.2	72.0	0.50	—	Pressure 6 lbs.
29	21	52.2	—	—	—	—	—	0.14	—	—
30	3	54.0	—	—	—	—	—	1.0	—	—
30	9	47.8	—	—	—	—	—	1.0	—	—
30	15	45.0	—	55.0	45.0	50.0	84.0	0.50	—	Thin haze.
30	21	52.8	—	—	—	—	—	0.25	—	Pressure 4 lbs.
31	3	55.0	—	—	—	—	—	0.25	—	—
31	9	49.8	—	—	—	—	—	0.0	0.16	Strong breeze; pressure 6 lb.
31	15	49.5	—	55.5	48.7	52.1	89.0	0.50	—	Pressure 4 lbs.; rain at 17 ^h .
31	21	53.2	—	—	—	—	—	0.25	—	Pressure 4 lbs.
JUNE.										
1	3	58.0	—	—	—	—	—	0.25	—	—
1	9	47.0	—	58.0	40.2	49.1	71.0	0.0	—	—
1	15	43.0	—	—	—	—	—	0.0	—	Heavy dew.
1	21	44.0	—	—	—	—	—	1.0	—	Gloomy.
2	3	52.4	—	—	—	—	—	0.25	—	—
2	9	50.0	—	—	—	—	—	0.0	—	—
2	15	46.6	—	51.3	43.4	47.4	82.5	0.0	—	Strong squalls.
2	21	45.5	—	—	—	—	—	0.0	—	—
3	3	58.8	—	—	—	—	—	0.25	—	—
3	9	51.2	—	—	—	—	—	0.37	b	—
3	15	50.5	—	58.2	46.0	52.1	—	0.37	—	—
3	21	52.0	—	—	—	—	—	0.25	—	Rain at 23 ^h .
4	3	56.5	—	—	—	—	—	0.25	—	—
4	9	47.0	—	—	—	—	—	0.0	—	—
Sunday 21										
5	15	44.8	—	57.8	37.3	47.6	—	0.25	—	—
5	21	47.5	—	—	—	—	—	0.37	—	—
6	3	53.2	—	—	—	—	—	0.50	—	—
6	9	50.5	—	—	—	—	—	1.0	b	—
6	15	48.2	—	53.0	45.0	49.0	83.0	1.0	—	Gloomy with rain.
6	21	46.5	—	—	—	—	—	0.25	—	Misty.
7	3	53.4	—	—	—	—	—	1.0	—	—
7	9	46.2	—	—	—	—	—	0.25	b	Passing showers.
7	15	43.2	—	53.2	40.5	46.4	—	0.0	—	—
7	21	43.2	—	—	—	—	—	0.50	—	—

* Hygrometer broken.

b Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.				
JUNE.										
D.	H.	°	° ^a	°	°	°	°		In.	
8	3	42.8	—	44.0	36.5	40.3	—	1.0	0.12	Rain.
8	9	38.5	—					0.14		Passing showers and squalls.
8	15	37.8	—					0.0		
8	21	38.4	—					0.50		
9	3	44.2	—	44.8	38.5	41.7	—	1.0	0.45	Very heavy clouds; pressure at 5 ^h , 4 lbs.
9	9	40.5	—					1.0		Rain, with fresh squalls.
9	15	39.0	—					0.50		Rain ceased.
9	21	43.2	—					1.0		Gloomy, with rain.
10	3	43.2	—	47.0	42.6	44.8	—	1.0	2.0	Gloomy; very hard rain; pressure at 6 ^h , 4 lbs.
10	9	43.8	—					1.0		Very dark, with heavy rain.
10	15	45.0	—					1.0		Squally gale; continued rain.
10	21	47.4	—					1.0		Continued rain.
11	3	45.0	—	—	—	—	—	1.0	0.06	Rain.
11	9	—	—					1.0		Gloomy.
Sunday 21										
12	15	41.0	—	47.2	38.2	42.7	82.0	1.0	—	Gloomy.
12	21	40.5	—					0.14		Pressure at 22 ^h , 10 lbs.
13	3	47.0	—					1.0		
13	9	—	—					1.0		Faint Aurora in the South at 11 ^h .
13	15	37.0	—	45.5	35.8	40.7	72.0	1.0	—	Gloomy.
13	21	41.0	—					0.14		
14	3	50.4	—					0.50		
14	9	50.0	—					1.0		
14	15	53.2	—	55.0	41.8	48.4	—	1.0	—	Wind increasing.
14	21	55.8	—					0.25		
15	3	54.2	—					1.0		
15	9	53.0	—					0.50		
15	15	51.0	—	57.0	51.0	54.0	68.0	0.50	b	Passing showers; pressure 10 lbs.
15	21	52.5	—					0.50		Pressure at 18 ^h , 8 lbs.
16	3	55.5	—					1.0		
16	9	48.0	—					0.37		
16	15	45.2	—	56.0	43.6	49.8	65.0	0.37	b	Hard squalls; pressure 10 lbs.
16	21	45.5	—					0.0		Hard squalls; passing showers; pressure 10 lbs.
17	3	51.5	—					0.0		Pressure 4 lbs.
17	9	47.0	—					0.25		
17	15	47.0	—	51.5	46.6	49.1	76.0	1.0	b	Hard squalls, with rain; vivid flashes of sheet lightning at 11 ^h .
17	21	50.2	—					1.0		Pressure at 17 ^h , 8 lbs.
18	3	55.2	—					0.50		Passing showers.
18	9	51.0	—					0.25		
Sunday 21										
19	15	51.5	—	63.5	51.0	57.3	72.0	1.0	0.52	Pressure on 18 ^d 9 ^h , and 18 ^h , 7 lbs.
19	21	52.5	—					0.37		
20	3	55.6	—					0.50		
20	9	47.8	—					0.37		
20	15	41.0	—	56.2	38.8	47.5	—	0.25	0.11	Rain.
20	21	42.8	—					0.37		Passing showers.
21	3	48.0	—					0.25		Misty.
21	9	43.0	—					0.37		
21	15	44.5	—	47.5	43.2	45.4	83.5	0.37	—	
21	21	47.5	—					0.37		
22	3	50.2	—					0.25		
22	9	41.2	—					0.14		
22	15	38.5	—	51.5	36.6	44.0	—	0.75	—	
22	21	43.0	—					0.63		
23	3	44.0	—					0.25		
23	9	36.2	—					0.0		
23	15	39.0	—	46.2	35.6	41.9	—	0.37	—	
23	21	43.0	—					0.50		
24	3	43.8	—					1.0		
24	9	38.8	—					0.37		Passing showers.
24	15	37.5	—	44.8	34.5	39.5	—	0.37	—	
24	21	38.0	—					1.0		

^a Hygrometer broken.

^b Amount of rain not recorded

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.			
JUNE.										
D.	H.	°	°	°	°	°	°	In.		
25	3	44.0	— ^a					0.50		
25	9	39.4	—					1.0		
Sunday	21									
26	15	35.8	—	44.8	32.5	38.7	85.0	1.0		
26	21	34.5	—					1.0		
27	3	43.8	—					0.0		
27	9	35.2	—	43.2	31.5	37.4	73.0	0.0		
27	15	33.4	—					0.25		
27	21	34.0	—					0.14		
28	3	44.4	—					0.50		
28	9	42.4	—					0.50		
28	15	41.8	—					1.0	Gloomy.	
28	21	41.4	—					1.0		
29	3	48.6	—					1.0	Pressure at 2 ^h , 6 lbs.	
29	9	46.8	—					0.37		
29	15	42.2	—					1.0		
29	21	39.5	—					1.0		
30	3	46.8	—					0.25		
30	9	38.8	—					0.0		
30	15	36.2	—	46.0	35.4	40.7	89.0	0.14		
30	21	39.0	—					0.25		
JULY.										
1	3	47.0	—					0.25		
1	9	42.5	—	47.2	40.0	43.6	—	0.25		
1	15	42.4	—					1.0	Gloomy.	
1	21	42.0	—					1.0		
2	3	44.8	—					1.0		
2	9	39.0	—					0.0	Slight Aurora in the South from 7 ^h to 11 ^h . Pressure at 3 ^d 4 ^h , 13 lbs.; and 3 ^d 9 ^h , 9 lbs.	
Sunday	21									
3	15	54.0	—	54.2	38.6	46.9	—	0.50	Fresh squalls with rain.	
3	21	52.5	—					1.0	0.24 Rain.	
4	3	47.0	—					1.0	Drizzling rain.	
4	9	43.0	—	51.0	42.2	46.6	—	0.25	0.04 Occasional rain; pressure at 11 ^h , 4 lbs.	
4	15	43.0	—					1.0	Rain in squalls.	
4	21	47.0	—					0.25	Pressure 6 lbs.	
5	3	48.4	—					1.0	Rain.	
5	9	44.8	—	48.6	42.6	45.6		0.50	0.90 Rain in passing squalls.	
5	15	43.5	—					1.0	Rain.	
5	21	44.0	—					1.0	Heavy rain.	
6	3	42.5	—					1.0	Heavy rain.	
6	9	40.0	—	44.2	38.5	41.4	64.0	1.0	0.38 Heavy rain.	
6	15	40.2	—					0.14	Showers.	
6	21	41.5	—					0.75	Showers.	
7	3	48.0	—					0.50	Passing showers.	
7	9	46.0	—	47.0	41.2	44.1	69.0	0.25		
7	15	45.2	—					0.25		
7	21	46.2	—					0.25		
8	3	53.0	—					0.50		
8	9	48.0	—	52.8	44.3	48.5	85.8	1.0		
8	15	45.8	—					0.75		
8	21	45.2	—					0.50		
9	3	56.5	—					0.25	Pressure at 1 ^h , 6 lbs.	
9	9	51.5	—					0.50		
Sunday	21									
10	15	43.8	—	57.6	42.2	49.9	82.0	1.0		
10	21	45.0	—					0.25		
11	3	46.8	—					0.37		
11	9	41.7	—	46.8	41.3	44.0	—	0.50		
11	15	43.8	—					1.0	Drizzling rain at 19 ^h .	
11	21	47.2	—					0.50		
12	3	51.8	—					1.0		
12	9	48.4	—	51.2	47.0	49.1	—	0.50		
12	15	47.8	—					0.25		
12	21	47.5	—					1.0	Gloomy, with rain.	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Rain.	Weather and Remarks.			
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.							
JULY.													
D.	H.	°	° ^a	°	°	°	°	In.					
13	3	49.0	—	48.2	40.6	44.4	80.0	1.0	—				
13	9	—	—					0.37					
13	15	42.0	—					0.0					
13	21	44.0	—	50.2	38.8	44.5	74.5	0.50	—				
14	3	50.7	—					0.25					
14	9	44.5	—					0.0					
14	15	41.5	—	49.2	40.5	44.9	95.0	0.0	—				
14	21	41.8	—					0.25					
15	3	49.0	—					0.75					
15	9	43.2	—	49.2	40.5	44.9	95.0	1.0	—				
15	15	42.0	—					1.0					
15	21	42.5	—					0.50					
16	3	53.0	—	43.0	—	—	—	0.0	—				
16	9	43.0	—					0.0					
Sunday 21													
17	15	40.5	—	52.4	38.3	45.4	104.0	0.0	—				
17	21	40.7	—					0.0					
18	3	51.8	—					0.0					
18	9	41.5	—	51.0	39.5	45.3	—	0.0	—				
18	15	40.0	—					0.0					
18	21	41.8	—					1.0					
19	3	49.2	—	48.2	42.0	45.1	—	1.0	—				
19	9	44.0	—					1.0					
19	15	43.4	—					0.0					
19	21	45.0	—	60.0	44.5	52.3	—	1.0	—	Much fog.			
20	3	51.4	—					0.0			0.0	—	Foggy.
20	9	51.8	—					0.0			0.0	—	Drizzling rain.
20	15	52.8	—	52.0	44.8	48.4	—	1.0	—	Thick fog.			
20	21	53.2	—					1.0			1.0	—	Gloomy.
21	3	58.0	—					1.0			1.0	—	Gloomy.
21	9	50.4	—	60.0	44.5	52.3	—	1.0	0.27	Rain.			
21	15	46.0	—					0.25			1.0	—	Squally.
21	21	45.5	—					1.0			0.63	—	
22	3	50.5	—	50.8	40.8	45.8	68.0	0.50	—	Light showers.			
22	9	44.8	—					0.25			0.40	b	
22	15	42.5	—					0.40			0.25	—	
22	21	43.5	—	48.0	—	—	—	0.25	—	Pressure 6 lbs.			
23	3	51.0	—					0.25			0.25	—	
23	9	48.0	—									—	Pressure at 23 ^d 18 ^b , 7 lbs.
Sunday 21													
24	15	40.0	—	40.6	39.7	40.2	60.0	0.25	—				
24	21	40.5	—					0.50			0.50	—	
25	3	46.0	—					0.0			0.0	—	
25	9	38.4	—	45.2	34.4	39.8	72.0	0.0	—				
25	15	36.2	—					0.0			1.0	—	Thick mist.
25	21	36.5	—					0.25			1.0	—	
26	3	48.8	—	49.3	36.8	43.1	—	1.0	0.30				
26	9	45.0	—					1.0			1.0	—	Rain.
26	15	47.0	—					1.0			0.50	—	Passing showers; pressure at 6 ^b , 8 lbs.
26	21	49.2	—	52.4	42.5	47.5	67.0	1.0	0.52	Heavy rain.			
27	3	51.8	—					0.25			0.25	—	
27	9	45.5	—					0.25			0.37	—	
27	15	44.4	—	48.8	35.8	42.3	—	0.25	—	Slight snow.			
27	21	45.0	—					0.37			1.0	—	Rain.
28	3	49.0	—					1.0			1.0	—	Showers.
28	9	39.0	—	42.2	38.0	40.1	—	0.25	—	Passing showers.			
28	15	36.8	—					0.50			0.50	—	Passing showers.
28	21	39.2	—					0.50			0.50	—	
29	3	41.8	—	41.5	—	—	—	1.0	—				
29	9	38.6	—					0.25			0.25	—	
29	15	39.5	—					0.50			0.50	—	
29	21	41.5	—					0.50	—				

^a Hygrometer broken.

^b Amount of rain not recorded.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Rain.	Weather and Remarks.			
		Air.	Dew Point.	Max.	Min.	Mean Max.Min.	Solar Rad.						
JULY.													
D.	H.	°	° ^a	°	°	°	°		In.				
30	3	45.2	— ^a					0.50	Showers.				
30	9	38.0	—					0.37	Light showers.				
Sunday 21													
31	15	33.9	—	46.0	32.5	39.3	87.0	0.0	Heavy dew.				
31	21	35.8	—					0.14	Frost at 19 ^h .				
AUGUST.													
1	3	47.8	—	48.8	35.3	42.1	95.0	0.0					
1	9	42.0	—					0.0					
1	15	39.0	—					0.0	Fresh breeze.				
1	21	41.5	—					0.0					
2	3	53.2	—	53.1	40.2	46.7	82.5	0.25					
2	9	45.2	—					0.0					
2	15	41.5	—					0.14					
2	21	42.8	—					0.25					
3	3	54.5	—	54.0	44.0	49.0	—	0.37					
3	9	48.0	—					1.0					
3	15	46.4	—					1.0					
3	21	47.2	—					1.0	Gloomy.				
4	3	55.2	—	54.8	42.8	53.8	—	0.50					
4	9	45.5	—					0.50					
4	15	44.8	—					0.75	Light rain.				
4	21	45.8	—					1.0					
5	3	45.0	—	47.2	40.2	43.7	—	0.25					
5	9	40.8	—					0.25					
5	15	41.4	—					0.75	Gloomy.				
5	21	42.8	—					1.0	Gloomy.				
6	3	47.4	—	47.2	40.2	43.7	—	1.0	Slight rain.				
6	9	44.4	—					1.0	Drizzling rain.				
Sunday 21													
7	15	39.2	—					51.0	38.6	44.8	—	0.14	
7	21	42.2	—	1.0									
8	3	51.0	—	1.0	Gloomy.								
8	9	40.2	—	0.0									
8	15	39.2	—	50.8	38.0	44.4	94.0	1.0					
8	21	43.5	—					1.0					
9	3	54.5	—					0.37					
9	9	43.5	—					0.25	Misty.				
9	15	40.0	—	45.0	36.5	40.8	99.0	0.0					
9	21	39.0	—					0.25					
10	3	53.0	—					0.14					
10	9	39.5	—					0.0					
10	15	37.1	—	52.4	36.9	44.7	—	0.25					
10	21	39.0	—					1.0	Light drizzling rain.				
11	3	45.0	—					0.50					
11	9	41.5	—					1.0					
11	15	38.5	—	45.6	34.5	40.1	—	0.25					
11	21	37.8	—					1.0					
12	3	48.8	—					0.25	Light rain.				
12	9	43.8	—					0.37					
12	15	43.0	—	49.0	37.5	43.3	102.0	0.0	Alternately clear and overcast.				
12	21	47.5	—					0.37					
13	3	55.5	—					0.0					
13	9	47.0	—					0.25					
Sunday 21													
14	15	44.0	—	59.8	43.0	51.4	—	0.0					
14	21	44.5	—					1.0					
15	3	53.5	—					0.50					
15	9	49.5	—					1.0					
15	15	50.0	—	54.5	45.0	49.8	—	0.0					
15	21	52.6	—					1.0	Slight rain.				
16	3	58.0	—					0.50					
16	9	54.0	—					0.25	Strong gale.				
16	15	50.2	—	62.2	47.7	55.0	—	0.25	Strong breeze.				
16	21	51.0	—					1.0					

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Weather and Remarks. ^b
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.			
AUGUST.									
D.	H.	°	°	°	°	°	°		
17	3	51.5	— ^a	57.5	47.8	52.7	86.0	0.37	Fresh gale.
17	9	40.2	—					0.37	Showery.
17	15	39.0	—					0.50	Passing heavy showers.
17	21	44.0	—	53.0	44.0	48.5	76.0	0.37	
18	3	51.8	—					0.25	
18	9	45.2	—					0.75	Fresh squalls.
18	15	44.5	—	51.6	35.8	43.7	72.0	1.0	
18	21	48.2	—					1.0	Misty.
19	3	50.8	—					1.0	
19	9	42.4	—	51.6	35.8	43.7	72.0	0.50	
19	15	37.8	—					0.25	
19	21	41.5	—					0.0	
20	3	54.0	—	51.6	35.8	43.7	72.0	0.0	Much haze.
20	9	43.2	—					0.0	
								0.25	
Sunday 21									
21	15	37.8	—	54.2	36.5	45.8	—	0.25	
21	21	40.2	—					1.0	Misty.
22	3	47.5	—					1.0	
22	9	46.0	—	47.5	40.4	44.0	—	1.0	Drizzling rain.
22	15	47.5	—					1.0	Fresh breeze with rain.
22	21	46.6	—					1.0	Light rain.
23	3	50.8	—	52.0	45.7	48.9	—	1.0	Gloomy, with light rain.
23	9	47.0	—					1.0	Continued rain.
23	15	46.5	—					1.0	
23	21	47.8	—	53.0	43.0	48.0	84.0	1.0	
24	3	53.0	—					0.75	
24	9	47.8	—					1.0	Misty.
24	15	46.0	—	57.2	39.8	48.5	110.0	1.0	
24	21	46.6	—					0.0	Cirrous haze.
25	3	55.5	—					0.25	
25	9	46.4	—	57.2	39.8	48.5	110.0	0.0	Much dew.
25	15	42.8	—					0.0	Thick fog.
25	21	44.2	—					0.37	
26	3	59.8	—	61.0	43.2	52.1	—	0.25	Hazy.
26	9	52.2	—					1.0	Very gloomy.
26	15	47.0	—					0.25	
26	21	47.5	—	58.2	37.2	47.7	—	0.25	
27	3	57.2	—					1.0	
27	9	50.2	—					0.50	
Sunday 21									
28	15	38.0	—	58.2	37.2	47.7	—	0.25	
28	21	45.0	—					0.63	Occasional squalls.
29	3	50.5	—					0.37	Showery.
29	9	43.5	—	54.0	38.5	46.3	84.0	0.25	
29	15	41.0	—					1.0	
29	21	42.5	—					0.37	
30	3	50.5	—	50.5	36.2	43.4	93.0	0.37	
30	9	43.2	—					1.0	
30	15	38.5	—					0.37	
30	21	42.0	—	55.8	44.4	50.1	—	0.75	
31	3	54.7	—					0.25	
31	9	47.0	—					0.75	
31	15	44.5	—	55.8	44.4	50.1	—	1.0	Rain.
31	21	49.6	—					1.0	
SEPTEMBER.									
1	3	57.5	—	58.2	44.0	51.1	80.0	1.0	Rain at 11 ^h .
1	9	49.8	—					1.0	
1	15	—	—					1.0	
1	21	49.8	—	55.5	44.5	50.0	—	0.37	
2	3	54.6	—					0.13	
2	9	46.2	—					0.37	
2	15	46.3	—	55.5	44.5	50.0	—	0.50	Steady bright light in the South at 13 ^h .
2	21	50.2	—					0.25	

^a Hygrometer broken.

^b No record of the quantity of rain for the remaining months of 1842 has been received at Woolwich.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.			Solar Rad.
SEPTEMBER.								
D.	H.	°	°	°	°	°		
3	3	53.6	— ^a				1.0	
3	9	48.4	—				1.0	
Sunday 21								
4	15	37.2	—	56.8	36.0	46.4	106.0	0.25 0.25
4	21	41.8	—					Much haze.
5	3	52.5	—					0.63
5	9	45.5	—	52.2	42.8	52.5	90.0	0.50
5	15	43.7	—					1.0
5	21	46.6	—					0.63
6	3	56.4	—					0.63
6	9	47.2	—	56.8	43.4	50.1	—	0.50
6	15	46.2	—					1.0
6	21	49.0	—					0.50
7	3	52.6	—					1.0
7	9	47.5	—	55.0	41.0	48.0	—	0.25
7	15	43.0	—					0.0
7	21	45.5	—					0.37
8	3	58.5	—					1.0
8	9	52.2	—					0.63
8	15	47.6	—	60.2	44.2	52.2	100.0	0.13
8	21	52.0	—					0.25
9	3	60.7	—					1.0
9	9	49.2	—					0.0
9	15	42.5	—	63.2	44.2	53.7	—	0.50
9	21	49.0	—					0.50
10	3	56.5	—					1.0
10	9	49.5	—					1.0
Sunday 21								
11	15	47.3	—	56.5	43.5	50.0	—	1.0
11	21	48.0	—					1.0
12	3	50.0	—					1.0
12	9	49.5	—	50.8	48.0	49.4	—	1.0
12	15	49.8	—					1.0
12	21	50.7	—					1.0
13	3	52.0	—					1.0
13	9	49.8	—	53.0	47.0	50.0	—	1.0
13	15	48.4	—					0.37
13	21	52.0	—					0.50
14	3	56.0	—					1.0
14	9	49.5	—	58.8	46.6	52.7	90.0	1.0
14	15	47.4	—					1.0
14	21	52.0	—					0.25
15	3	58.0	—					1.0
15	9	50.0	—	60.2	48.6	54.4	—	1.0
15	15	49.5	—					1.0
15	21	53.5	—					1.0
16	3	57.6	—					1.0
16	9	50.8	—	59.2	50.0	54.6	103.0	1.0
16	15	50.2	—					0.63
16	21	54.6	—					0.37
17	3	61.0	—					0.25
17	9	49.6	—					1.0
Sunday 21								
18	15	49.0	—	65.2	41.4	53.3	86.8	0.50
18	21	53.4	—					0.25
19	3	58.2	—					0.50
19	9	49.8	—	62.8	45.8	54.3	98.5	0.25
19	15	47.0	—					1.0
19	21	54.0	—					0.25
20	3	66.0	—					0.37
20	9	51.0	—	66.5	45.0	55.8	104.0	0.25
20	15	46.8	—					1.0
20	21	52.2	—					0.0

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Weather and Remarks.
D.	H.	Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.		
SEPTEMBER.									
21	3	65.8	— ^a	—	—	—	—	1.0	Gloomy and sultry.
21	9	50.0	—	—	—	—	—	0.37	
21	15	49.6	—	—	—	—	—	1.0	Drizzling rain.
21	21	52.6	—	—	—	—	—	1.0	Gloomy.
22	3	62.8	—	—	—	—	—	1.0	
22	9	55.6	—	67.0	52.2	59.6	101.0	1.0	Small rain.
22	15	58.0	—	—	—	—	—	1.0	Rain.
22	21	65.8	—	—	—	—	—	0.37	Fresh squally breeze.
23	3	67.0	—	—	—	—	—	0.25	
23	9	55.0	—	68.0	44.2	56.1	110.0	0.0	
23	15	47.0	—	—	—	—	—	0.0	
23	21	54.8	—	—	—	—	—	0.15	
24	3	68.4	—	—	—	—	—	0.75	
24	9	54.0	—	—	—	—	—	1.0	
Sunday 21									
25	15	49.0	—	71.0	45.0	58.0	102.0	0.13	Strong squally breeze.
25	21	56.8	—	—	—	—	—	0.25	Moderate gale.
26	3	66.0	—	—	—	—	—	0.25	
26	9	56.2	—	67.0	51.6	59.3	111.0	0.50	
26	15	53.5	—	—	—	—	—	0.37	
26	21	57.2	—	—	—	—	—	0.25	
27	3	68.0	—	—	—	—	—	0.25	
27	9	57.8	—	69.0	50.6	59.9	106.0	0.13	
27	15	51.2	—	—	—	—	—	0.37	
27	21	60.0	—	—	—	—	—	1.0	
28	3	63.0	—	—	—	—	—	0.25	Showery.
28	9	50.0	—	67.0	44.5	55.8	109.0	0.0	
28	15	46.2	—	—	—	—	—	1.0	
28	21	49.0	—	—	—	—	—	0.37	
29	3	62.2	—	—	—	—	—	0.37	
29	9	50.4	—	63.2	45.0	54.1	—	0.13	
29	15	45.8	—	—	—	—	—	1.0	Gloomy.
29	21	50.8	—	—	—	—	—	1.0	Gloomy.
30	3	60.8	—	—	—	—	—	0.25	
30	9	49.2	—	—	—	—	—	0.37	Light rain at 11 ^h .
30	15	46.4	—	65.0	44.8	54.9	—	1.0	Very dark and gloomy.
30	21	53.0	—	—	—	—	—	1.0	
OCTOBER.									
1	3	55.8	—	—	—	—	—	0.75	
1	9	46.4	—	—	—	—	—	0.25	
Sunday 21									
2	15	40.2	—	58.8	36.5	47.7	—	0.50	
2	21	48.8	—	—	—	—	—	0.37	
3	3	53.4	—	—	—	—	—	0.75	
3	9	48.0	—	55.2	45.0	50.1	—	1.0	
3	15	45.5	—	—	—	—	—	0.25	
3	21	50.6	—	—	—	—	—	0.25	
4	3	63.8	—	—	—	—	—	0.25	
4	9	51.6	—	68.0	51.5	59.8	—	0.15	
4	15	51.5	—	—	—	—	—	0.15	
4	21	67.2	—	—	—	—	—	0.50	Squally; rain at 23 ^h .
5	3	58.5	—	—	—	—	—	0.50	Showery with squalls.
5	9	49.0	—	68.5	47.0	57.8	93.0	0.15	
5	15	50.2	—	—	—	—	—	0.87	Gloomy; strong gale.
5	21	60.0	—	—	—	—	—	0.87	Squally.
6	3	65.2	—	—	—	—	—	0.25	
6	9	48.2	—	56.4	42.8	49.6	—	0.0	
6	15	46.2	—	—	—	—	—	1.0	Rain.
6	21	51.2	—	—	—	—	—	1.0	Shower of hail at 23 ^h .
7	3	50.8	—	—	—	—	—	1.0	Occasional showers.
7	9	41.8	—	55.8	38.0	46.9	96.0	0.50	Passing showers.
7	15	39.7	—	—	—	—	—	0.25	
7	21	48.4	—	—	—	—	—	0.25	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.		
OCTOBER.									
D.	H.	°	°	°	°	°	°	In.	
8	3	58·6	— ^a					0·25	
8	9	49·0	—					0·75	Squally.
Sunday 21									
9	15	44·6	—	66·0	43·8	54·9	97·5	0·25	
9	21	52·0	—					0·37	
10	3	66·5	—					0·25	
10	9	53·5	—	67·0	43·6	55·3	103·0	0·37	
10	15	47·0	—					0·15	
10	21	54·5	—					0·25	
11	3	58·2	—					0·25	Hazy.
11	9	50·0	—	61·0	45·2	53·1	—	1·0	
11	15	48·2	—					0·15	
11	21	57·0	—					0·25	Misty.
12	3	65·0	—					0·50	
12	9	54·4	—	67·6	47·2	57·4	—	0·0	
12	15	49·0	—					0·75	
12	21	54·6	—					0·63	
13	3	55·8	—					1·0	Rain from 1 ^h .
13	9	48·0	—	62·0	42·5	52·3	—	0·50	
13	15	43·5	—					1·0	
13	21	47·2	—					1·0	
14	3	50·5	—					0·75	Passing showers.
14	9	40·8	—	51·8	40·5	46·2	—	0·25	
14	15	41·2	—					0·50	
14	21	48·5	—					0·75	
15	3	52·4	—					0·50	
15	9	46·2	—					0·50	
Sunday 21									
16	15	45·0	—	58·5	40·6	49·6	—	1·0	Rain.
16	21	48·2	—					1·0	Passing squalls.
17	3	50·2	—					0·63	Heavy showers.
17	9	42·2	—	54·0	35·0	49·5	90·0	0·15	
17	15	40·0	—					0·25	
17	21	51·0	—					0·25	
18	3	54·4	—					0·50	
18	9	42·0	—	62·2	50·8	56·5	—	0·25	
18	15	40·0	—					1·0	Gloomy.
18	21	50·6	—					0·50	
19	3	56·8	—					0·25	Occasional showers.
19	9	45·2	—	60·8	42·2	51·5	—	0·87	
19	15	43·0	—					1·0	
19	21	51·6	—					0·50	Squally.
20	3	50·2	—					0·50	Squally breeze.
20	9	39·6	—	59·0	38·0	48·5	—	1·0	Heavy rain.
20	15	39·8	—					0·50	
20	21	43·2	—					1·0	Gloomy.
21	3	50·8	—					0·63	
21	9	45·4	—	54·2	39·5	46·9	91·0	0·25	
21	15	43·2	—					0·25	Strong squally breeze.
21	21	44·6	—					0·50	Light showers.
22	3	49·2	—					0·50	Squally breeze.
22	9	44·0	—					0·50	
Sunday 21									
23	15	47·2	—	60·0	40·5	50·3	—	1·0	Gloomy.
23	21	50·2	—					1·0	Gloomy, rain.
24	3	53·2	—					1·0	Gloomy, constant rain.
24	9	49·2	—	59·0	48·6	53·8	—	1·0	Gloomy, heavy rain.
24	15	49·4	—					1·0	Drizzling rain, thick fog.
24	21	52·2	—					1·0	Gloomy, light rain.
25	3	53·5	—					1·0	
25	9	51·0	—	56·0	49·5	52·8	80·0	0·25	
25	15	50·5	—					0·75	
25	21	52·4	—					1·0	Gloomy.

Hygrometrer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.						Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.	Solar Rad.		
OCTOBER.									
D.	H.	°	° ^a	°	°	°	°		
26	3	61.0	— ^a	64.5	44.8	54.7	105.0	0.50	
26	9	50.5	—					0.63	
26	15	45.4	—					0.25	
26	21	53.8	—					0.63	
27	3	55.2	—	58.6	38.8	48.7	116.0	0.50	
27	9	46.2	—					0.0	
27	15	41.8	—					0.25	
27	21	50.6	—					0.63	
28	3	58.4	—	58.8	43.2	51.0	—	0.25	
28	9	48.8	—					0.50	
28	15	45.0	—					0.13	
28	21	53.5	—					0.63	
29	3	59.2	—	54.0				1.0	
29	9	54.0	—					0.87	
Sunday 21									
30	15	51.2	—	64.2	47.7	55.9	86.0	0.0	
30	21	60.2	—					0.75	
31	3	61.0	—	67.2	47.8	57.5	122.0	0.50	Constant showers.
31	9	55.5	—					0.25	Heavy dew.
31	15	49.0	—					0.0	
31	21	59.2	—					0.25	
NOVEMBER.									
1	3	63.3	—	65.8	50.6	58.2	108.0	0.25	
1	9	53.0	—					0.0	Hazy.
1	15	51.2	—					0.75	
1	21	61.5	—					0.37	
2	3	60.2	—	67.2	50.2	58.7	100.0	0.87	Haze over the river.
2	9	53.8	—					1.0	Gloomy.
2	15	49.8	—					0.0	
2	21	60.4	—					0.37	
3	3	67.5	—	69.8	50.0	59.9	94.5	0.37	
3	9	54.0	—					0.37	
3	15	50.6	—					1.0	
3	21	57.5	—					0.25	
4	3	67.5	—	69.0	48.2	58.6	—	0.63	
4	9	56.0	—					1.0	Gloomy.
4	15	49.8	—					0.13	
4	21	59.0	—					0.50	Misty.
5	3	57.6	—	51.0				1.0	Gloomy.
5	9	51.0	—					0.75	
Sunday 21									
6	15	51.0	—	71.6	49.8	60.7	84.0	0.13	
6	21	59.2	—					1.0	
7	3	61.5	—	65.5	47.0	56.3	—	0.50	Passing showers.
7	9	48.2	—					0.37	Fresh squalls.
7	15	47.0	—					0.25	
7	21	59.0	—					0.37	Light showers.
8	3	63.2	—	65.2	49.3	57.3	128.0	0.50	
8	9	52.6	—					0.75	
8	15	49.8	—					0.25	
8	21	61.0	—					0.50	
9	3	73.2	—	79.0	56.8	67.9	117.0	0.37	
9	9	58.0	—					0.50	
9	15	62.5	—					0.37	Misty.
9	21	64.6	—					0.25	
10	3	71.2	—	71.5	52.0	61.8	102.0	0.37	Hard squalls.
10	9	54.5	—					0.25	Squally.
10	15	51.8	—					0.25	
10	21	62.2	—					0.25	
11	3	72.0	—	73.8	54.8	64.3	98.0	0.50	
11	9	58.8	—					0.50	
11	15	54.8	—					0.75	Violent squalls.
11	21	64.0	—					0.37	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.			
NOVEMBER.									
D.	H.	°	°	°	°	°			
12	3	63·8	— ^a					1·0	Heavy rain.
12	9	52·5	—					0·13	
Sunday 21									
13	15	48·6	—	74·6	48·0	61·3	—	0·75	
13	21	57·0	—					1·0	
14	3	59·2	—					1·0	Gloomy; rain.
14	9	60·0	—	62·8	51·0	56·9	104·0	0·25	
14	15	52·0	—					0·25	Passing showers.
14	21	62·8	—					0·13	
15	3	72·4	—					0·25	
15	9	57·8	—	73·5	53·0	63·3	120·0	0·25	Misty.
15	15	53·2	—					0·0	
15	21	70·5	—					0·0	
16	3	79·5	—					0·50	Heavy squalls.
16	9	58·2	—	80·8	51·2	66·0	95·0	0·37	
16	15	52·0	—					0·13	
16	21	60·0	—					1·0	Passing showers.
17	3	61·0	—					0·50	
17	9	48·6	—	52·0	43·6	47·8	—	0·37	Misty; frequent showers.
17	15	46·6	—					0·75	Heavy showers.
17	21	53·6	—					0·75	Small rain.
18	3	51·5	—					0·50	Heavy showers.
18	9	45·8	—	60·0	44·8	52·4	86·8	0·25	
18	15	47·0	—					0·63	
18	21	52·8	—					1·0	
19	3	63·0	—					0·50	Passing showers.
19	9	53·0	—					0·75	Occasional squalls.
Sunday 21									
20	15	48·5	—	66·6	47·2	56·9	103·0	0·75	Constant showers.
20	21	55·8	—					0·63	Constant showers.
21	3	59·5	—					0·75	Constant showers.
21	9	51·0	—	62·2	50·0	56·1	112·0	0·63	
21	15	50·0	—					0·75	
21	21	61·4	—					0·13	
22	3	75·0	—					0·37	
22	9	62·0	—	76·0	54·6	65·3	126·0	0·75	Gloomy.
22	15	57·0	—					1·0	Gloomy.
22	21	62·8	—					0·25	Cirrous haze.
23	3	77·0	—					0·75	
23	9	59·4	—	67·5	52·2	59·9	—	0·37	
23	15	52·8	—					1·0	
23	21	53·0	—					1·0	Gloomy.
24	3	53·8	—					1·0	Gloomy.
24	9	52·0	—	55·0	48·5	51·8	—	1·0	Gloomy, with rain.
24	15	51·5	—					1·0	Gloomy, with rain.
24	21	49·5	—					1·0	Continued rain.
25	3	50·0	—					1·0	Continued rain.
25	9	46·0	—	50·2	43·5	46·9	—	1·0	Heavy rain.
25	15	43·6	—					1·0	Fresh gale, with rain.
25	21	51·3	—					1·0	Squally gale.
26	3	57·2	—					0·50	Strong breeze.
26	9	47·6	—					0·25	Squally.
Sunday 21									
27	15	51·0	—	71·0	43·0	57·0	143·0	0·13	Misty.
27	21	61·2	—					0·25	
28	3	67·0	—					0·25	
28	9	55·0	—	67·8	54·0	60·9	137·0	1·0	Gloomy.
28	15	54·0	—					1·0	
28	21	63·0	—					0·25	
29	3	73·8	—					0·15	
29	9	61·4	—	75·3	59·0	67·2	153·0	0·15	
29	15	64·8	—					0·50	Very hot and sultry.
29	21	72·8	—					0·50	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Solar Rad.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.			
NOVEMBER.									
D.	H.	°	°	°	°	°			
30	3	74.8	— ^a					0.25	Misty.
30	9	63.6	—	93.0	58.5	75.8	90.0	1.0	Sultry.
30	15	60.2	—					0.0	Slight haze.
30	21	70.0	—					0.0	Gloomy and sultry.
DECEMBER.									
1	3	72.8	—					0.50	Frequent strong gusts.
1	9	58.6	—	70.6	51.6	61.1	96.0	0.0	Strong gale.
1	15	53.0	—					0.25	Fresh gale.
1	21	59.4	—					0.25	Squalls.
2	3	66.0	—					0.37	Strong squalls.
2	9	51.2	—	67.2	49.2	58.2	108.0	0.13	Heavy puffs.
2	15	49.5	—					1.0	
2	21	59.2	—					0.25	
3	3	70.0	—					0.25	Strong breeze.
3	9	54.8	—					0.0	
Sunday 21									
4	15	47.0	—	75.0	46.0	60.5	115.0	1.0	Gloomy.
4	21	50.5	—					0.75	
5	3	58.8	—					0.37	
5	9	47.6	—	58.7	41.8	50.3	134.0	0.13	
5	15	42.6	—					0.0	
5	21	55.5	—					0.0	
6	3	67.5	—					0.13	Strong sea-breeze
6	9	51.8	—	68.5	50.0	59.3	—	0.0	
6	15	50.5	—					0.13	
6	21	59.0	—					0.50	
7	3	65.2	—					0.50	
7	9	50.5	—	67.2	46.6	56.9	—	1.0	
7	15	47.4	—					0.63	
7	21	58.5	—					0.50	
8	3	65.0	—					0.75	
8	9	53.4	—	67.4	50.2	58.8	127.0	0.63	
8	15	50.0	—					0.50	
8	21	58.8	—					0.37	
9	3	64.2	—					0.37	
9	9	54.5	—	65.5	53.4	59.5	130.0	1.0	
9	15	53.0	—					1.0	Gloomy.
9	21	62.8	—					0.50	Misty.
10	3	68.3	—					0.0	Very hazy.
10	9	55.4	—					0.15	Hazy.
Sunday 21									
11	15	—	—	80.6	51.8	66.2	—	0.37	
11	21	70.0	—					0.50	Fresh gale.
12	3	68.8	—					0.50	Squalls and showers.
12	9	54.8	—	76.5	48.5	67.5	84.0	0.25	
12	15	49.6	—					0.25	
12	21	58.5	—					0.50	
13	3	63.6	—					0.50	Passing showers.
13	9	52.5	—	68.2	47.3	57.8	131.0	0.13	
13	15	48.2	—					0.37	
13	21	61.0	—					1.0	Light clouds.
14	3	70.0	—					0.75	Fresh sea-breeze.
14	9	55.0	—	74.4	49.2	61.8	140.0	0.25	Hazy.
14	15	49.0	—					1.0	
14	21	63.4	—					0.25	
15	3	67.2	—					0.13	Hazy.
15	9	56.0	—	69.2	54.5	61.9	135.0	1.0	Gloomy.
15	15	54.8	—					1.0	Gloomy.
15	21	58.5	—					1.0	Gloomy.
16	3	67.2	—					0.25	
16	9	57.6	—	68.4	56.2	62.3	134.0	1.0	
16	15	56.6	—					0.63	
16	21	64.0	—					0.63	

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.					Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	Mean Max. Min.			Solar Rad.
DECEMBER.								
D.	H.	°	°	°	°	°		
17	3	70.0	— ^a				1.0	
17	9	59.6	—				1.0	Gloomy.
Sunday 21								
18	15	65.5	—	85.2	58.2	71.7	116.0	1.0
18	21	70.8	—					1.0
19	3	68.0	—					0.37
19	9	61.5	—	84.5	54.5	69.5	105.0	1.0
19	15	56.4	—					0.25
19	21	66.2	—					0.25
20	3	68.0	—					0.37
20	9	57.8	—	72.0	52.2	62.1	—	0.50
20	15	53.0	—					0.25
20	21	59.6	—					0.75
21	3	61.0	—					0.25
21	9	54.8	—	64.5	49.5	57.0	—	1.0
21	15	50.0	—					0.37
21	21	53.8	—					1.0
22	3	56.0	—					1.0
22	9	51.4	—					1.0
22	15	47.6	—	62.8	47.5	55.2	115.0	0.37
22	21	61.0	—					0.25
23	3	70.2	—					0.63
23	9	58.2	—	75.4	52.8	64.1	129.0	0.37
23	15	56.0	—					0.25
23	21	61.2	—					0.37
24	3	68.5	—					0.25
24	9	56.0	—					0.0
Sunday 21								
25	15	53.6	—	71.5	51.8	61.7	148.0	0.25
25	21	66.5	—					0.0
26	3	67.0	—					0.50
26	9	57.6	—	69.5	52.7	61.1	147.0	0.50
26	15	54.2	—					0.25
26	21	64.6	—					0.13
27	3	76.0	—					0.37
27	9	63.8	—	75.5	61.2	68.4	—	0.25
27	15	66.0	—					1.0
27	21	67.8	—					0.37
28	3	58.5	—					1.0
28	9	54.4	—	68.8	49.0	58.9	125.0	1.0
28	15	49.5	—					0.37
28	21	58.5	—					0.25
29	3	63.6	—					1.0
29	9	54.6	—	64.6	47.6	56.1	148.0	1.0
29	15	49.8	—					0.25
29	21	58.6	—					0.87
30	3	63.5	—					0.37
30	9	53.5	—	63.5	52.5	58.0	146.5	1.0
30	15	52.8	—					1.0
30	21	59.5	—					1.0
31	3	69.0	—					0.50
31	9	56.5	—					0.0
Sunday 21								

^a Hygrometer broken.

VAN DIEMEN ISLAND.

OBSERVATIONS OF THE MAGNETIC INCLINATION.

1841, 1842, 1843, 1844, and 1845.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.	
			Face of Needle				Face of Needle							
			Direct.		Reversed.		Direct.		Reversed.					
			α	α'	α''	α'''	β	β'	β''	β'''				
1841.														
D. H.														
Jan. 4 00	1	0 & 180	-72 17.3	-69 44.2	-71 55.5	-69 50.0	-69 00.0	-71 59.5	-68 53.9	-72 04.0	-70 43.0 ^a	-70 43.0	-70 44.3	
4 00	2	—	-71 55.0	-70 43.7	-71 25.1	-72 01.2	-69 29.9	-70 33.9	-69 35.4	-70 21.5	-70 45.7 ^a	-70 45.7		
Feb. 2 23	1	—	-72 15.6	-69 38.5	-72 06.4	-69 47.0	-69 01.0	-72 04.0	-69 02.5	-72 01.7	-70 44.5 ^a	-70 44.5	-70 42.1	
5 06	2	—	-71 47.9	-70 11.2	-71 24.2	-70 47.0	-69 23.7	-70 42.2	-69 41.8	-70 21.8	-70 39.6 ^a	-70 39.6		
Mar. 1 23	1	—	-71 51.6	-69 32.6	-72 12.9	-69 46.0	-68 53.8	-71 56.0	-69 02.3	-72 08.1	-70 40.4 ^a	-70 40.4	-70 41.7	
2 03	2	—	-71 36.0	-70 40.4	-71 28.1	-71 14.5	-70 32.3	-70 32.0	-69 19.3	-70 21.4	-70 43.0 ^a	-70 43.0		
April.	16 01	R.G. 1	-69 54.7	-71 00.7	-71 12.1	-70 10.1	-71 00.3	-70 05.8	-70 23.6	-71 18.4	-70 38.2 ^b	-70 38.2	-70 38.0	
	16 23	R.G. 2	70 40.7	70 16.0	70 35.9	70 50.1	70 19.0	70 44.7	70 57.6	70 34.5	70 37.3 ^b	70 37.3		
	30 00	A. 1	70 34.9	70 26.8	71 16.0	70 07.1	69 40.0	71 36.3	69 51.6	71 22.8	70 36.9 ^c	70 36.9		
	30 03	A. 2	-70 27.2	-70 35.1	-71 05.8	-70 02.7	-69 32.0	-72 02.0	-70 05.1	-71 25.4	-70 39.4 ^c	-70 39.4		
May 7 01	R.G. 1	—	-69 53.5	-71 12.0	-70 06.3	-71 02.3	-71 08.7	-70 18.4	-71 21.2	-69 53.4	-70 37.0 ^b	-70 37.0	-70 37.0	
June 2 22	R.G. 1	—	-71 10.8	-70 11.3	-71 32.9	-69 48.4	-69 48.5	-70 13.9	-70 05.3	-71 09.8	-70 37.6 ^b	-70 37.6	-70 38.3	
	3 22	R.G. 2	-70 42.1	-70 27.3	-70 57.7	-70 14.8	-70 18.2	-71 08.4	-70 33.8	-70 49.9	-70 39.0 ^b	-70 39.0		
July 10 01	R.G. 1	—	-71 08.2	-70 24.6	-71 18.1	-69 52.0	-69 43.1	-71 22.6	-71 02.8	-69 56.3	-70 35.9 ^b	-70 35.9	-70 35.8	
	10 03	R.G. 2	-70 24.3	-70 39.0	-70 11.2	-70 55.6	-71 02.8	-70 18.2	-70 47.5	-70 26.4	-70 35.6 ^b	-70 35.6		
Aug. 6 22	R.G. 1	—	-71 08.9	-69 42.2	-70 51.5	-70 09.6	-70 18.5	-71 05.8	-69 57.6	-71 23.8	-70 34.7 ^b	-70 34.7	-70 35.7	
	7 00	R.G. 2	-70 29.7	-70 33.7	-70 24.2	-70 47.1	-70 57.4	-70 25.6	-70 46.0	-70 29.5	-70 36.7 ^b	-70 36.7		
Sept. —	—	—	—	—	—	—	—	—	—	—	—	—	—	
October.	3 20	R.G. 1	-71 14.5	-69 43.4	-70 56.8	-70 09.9	-70 17.9	-71 11.6	-70 02.2	-71 30.4	-70 38.3 ^b	-70 38.3	-70 37.2	
	4 00	R.G. 2	70 24.7	70 48.6	70 13.8	70 58.0	71 02.2	70 07.2	70 45.0	70 34.6	70 36.3 ^b	70 36.3		
	4 21	R.G. 2	70 15.0	70 48.4	70 09.1	70 58.1	71 01.1	70 18.6	70 50.5	70 33.6	70 36.8 ^b	70 36.8		
	15 03	R.G. 1	71 34.1	69 24.4	71 02.4	69 57.8	70 36.2	71 10.8	70 05.3	71 31.1	70 40.3	70 40.3		
	18 21	R.G. 2	70 30.0	70 41.0	70 04.0	70 51.4	70 56.1	70 20.2	70 40.9	70 34.1	70 34.7	70 34.7		
	22 03	R.G. 2	70 23.5	70 52.3	70 53.8	70 23.4	70 53.2	70 14.0	70 46.4	70 26.4	70 36.6	70 36.6		
	25 21	R.G. 2	70 28.0	70 45.8	70 18.9	71 00.4	70 28.0	70 48.2	70 18.0	70 57.0	70 38.0	70 38.0		
29 03	R.G. 2	—	-70 30.5	-70 41.8	-70 19.4	-70 56.1	-70 59.6	-70 10.8	-70 44.8	-70 27.1	-70 36.3	-70 36.3		
November.	1 21	R.G. 2	-70 27.8	-70 40.8	-70 17.0	-70 53.6	-70 59.1	-70 16.6	-70 46.0	-70 28.6	-70 36.2	-70 36.2	-70 35.5	
	2 01	R.G. 1	71 23.2	69 39.2	70 51.6	70 08.0	70 06.7	71 06.0	69 38.6	71 54.8	70 36.1	70 36.1		
	5 03	R.G. 2	70 15.7	70 57.0	70 05.0	71 12.9	70 56.7	70 09.8	70 52.5	70 18.6	70 36.0	70 36.0		
	8 21	R.G. 2	70 32.0	70 46.0	70 14.1	70 57.5	70 57.6	70 10.3	70 48.5	70 22.9	70 36.1	70 36.1		
	12 03	R.G. 2	70 26.0	70 46.8	70 20.6	70 48.8	70 40.6	70 09.6	70 42.6	70 17.2	70 31.5	70 31.5		
	12 21	R.G. 2	70 29.8	70 45.2	70 22.2	71 06.0	70 23.2	70 34.8	70 01.8	70 55.6	70 32.3	70 32.3		
	13 03	R.G. 2	71 21.4	69 39.0	71 00.0	69 58.2	70 11.2	71 09.0	69 53.3	71 32.9	70 35.6	70 35.6		
	15 21	R.G. 2	70 21.3	71 00.4	70 12.5	71 14.7	70 10.8	70 03.4	70 44.6	70 16.6	70 30.5	70 30.5		
	17 03	R.G. 2	70 29.6	71 10.0	70 22.6	71 16.9	70 38.7	69 54.8	70 33.7	70 04.0	70 33.8	70 33.8		
	17 21	R.G. 2	70 37.8	71 01.9	70 29.9	71 13.4	70 42.8	69 58.6	70 30.9	70 11.5	70 35.9	70 35.9		
	19 03	R.G. 2	70 39.3	71 04.6	70 33.3	71 12.3	70 57.3	70 01.3	70 37.2	70 24.6	70 41.2	70 41.2		
	22 21	R.G. 2	70 37.8	71 08.9	70 31.2	71 19.4	70 48.8	69 58.4	70 38.2	70 00.1	70 37.9	70 37.9		
	26 03	R.G. 2	70 24.7	71 25.4	70 05.2	71 38.3	70 37.2	69 57.3	70 31.7	69 59.6	70 34.9	70 34.9		
29 21	R.G. 2	—	-70 46.6	-71 01.9	-70 33.4	-71 11.6	-70 45.2	-70 08.0	-70 33.4	-70 11.8	-70 39.0	-70 39.0		

^a This instrument was one of Dolland's construction, belonging to Sir John Franklin, and furnished with two needles, marked 1 and 2.
^b 9-inch inclinometer, by Robinson.
^c 6-inch inclinometer, by Robinson, belonging to Her Majesty's ship Terror.
* The 9-inch inclinometer was used henceforward, except where otherwise noticed.
† This was the first observation made in the permanent house for the inclination instrument.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.						
			Direct.		Reversed.		Direct.		Reversed.				
α	α'	α''	α'''	β	β'	β''	β'''						
1841.													
December.													
D. H.		0 & 180											
2 21	R.G. 1	—	-71 17.0	-69 45.6	-70 03.4	-71 03.5	-69 45.2	-71 52.0	-72 20.3	-69 27.8	-70 41.9	-70 41.9	
6 21	R.G. 2	—	70 38.1	71 09.7	71 22.5	70 30.5	70 46.6	69 53.4	70 14.6	70 36.6	70 39.0	70 39.0	
10 03	R.G. 2	—	70 49.6	71 03.4	71 11.0	70 31.5	70 51.0	69 51.4	70 10.4	70 31.8	70 37.5	70 37.5	
13 21	R.G. 2	—	70 36.8	71 10.8	71 17.6	70 31.0	70 46.5	69 56.8	70 10.2	70 32.1	70 37.7	70 37.7	
17 03	R.G. 2	—	70 39.4	71 16.5	71 25.3	70 31.4	70 43.2	69 49.6	70 01.2	70 35.8	70 37.8	70 37.8	-70 38.7
20 21	R.G. 2	—	70 40.9	71 02.0	71 16.7	70 32.0	70 44.1	69 53.5	70 15.9	70 30.9	70 37.0	70 37.0	
24 03	R.G. 2	—	71 31.6	71 08.0	71 19.0	70 30.4	70 46.2	69 49.8	70 00.6	70 31.8	70 42.2	70 42.2	
27 21	R.G. 2	—	70 47.0	71 07.7	71 24.2	70 32.5	70 37.8	69 47.8	70 04.8	70 36.8	70 37.3	70 37.3	
31 03	R.G. 2	—	-70 38.2	-71 13.4	-71 28.8	-70 32.6	-70 45.2	-69 52.0	-70 05.2	-70 35.0	-70 37.8	-70 37.8	
1842.													
January.													
3 21	R.G. 2	—	-70 39.0	-71 14.0	-71 22.8	-70 27.8	-70 53.4	-69 58.4	-70 07.8	-70 33.8	-70 39.6	-70 39.6	
3 23	R.G. 1	—	71 17.1	69 52.7	70 00.6	71 05.0	70 07.8	71 22.6	71 34.7	70 01.0	70 40.2	70 40.2	
7 03	R.G. 2	—	70 57.7	71 20.9	71 35.2	70 30.1	70 46.5	69 43.0	69 59.2	70 38.9	71 41.4	70 41.4	
10 21	R.G. 2	—	70 46.2	71 06.2	71 21.8	70 39.6	70 46.2	69 53.8	70 10.1	70 35.6	70 39.9	70 39.9	
14 03	R.G. 2	—	70 37.4	71 13.4	71 24.0	70 29.8	70 46.0	69 50.0	70 02.2	70 36.6	70 37.4	70 37.4	-70 38.9
17 21	R.G. 2	—	70 50.3	71 11.9	71 21.0	70 33.1	70 56.8	69 49.6	70 01.6	70 29.0	70 39.2	70 39.2	
21 03	R.G. 2	—	70 46.2	71 00.1	71 13.6	70 34.8	70 53.0	69 56.8	70 07.0	70 30.0	70 37.7	70 37.7	
24 21	R.G. 2	—	70 43.4	71 18.8	71 24.4	70 37.8	70 48.6	69 50.0	70 02.2	70 25.0	70 38.8	70 38.8	
28 03	R.G. 2	—	70 39.9	71 22.3	71 28.8	70 32.4	70 46.8	69 47.2	69 54.6	70 34.1	70 38.3	70 38.3	
31 20	R.G. 2	—	-70 39.8	-71 18.4	-71 38.3	-70 35.1	-70 36.2	-69 44.2	-69 46.8	-70 29.6	-70 36.1	-70 36.1	
February.													
4 21	R.G. 2	—	-70 45.4	-71 24.4	-71 37.8	-70 27.6	-70 44.8	-69 49.2	-70 06.6	-70 28.2	-70 40.5	-70 40.5	
7 21	R.G. 2	—	70 58.2	71 21.0	71 43.3	70 42.7	70 56.8	69 48.7	70 02.5	70 37.2	70 38.8	70 38.8	
9 22	R.G. 1	—	71 15.2	69 45.2	70 03.2	71 07.0	70 02.2	71 20.7	71 40.0	70 04.2	70 39.7	70 39.7	
11 03	R.G. 2	—	70 52.9	71 11.4	71 35.1	70 31.4	70 58.8	69 53.1	69 59.6	70 35.6	70 42.2	70 42.2	
14 21	R.G. 2	—	70 42.6	70 58.0	71 21.2	70 34.2	70 44.6	69 49.4	70 07.2	70 41.6	70 37.3	70 37.3	-70 41.2
18 03	R.G. 2	—	70 51.5	71 22.8	71 51.9	70 28.6	70 48.8	69 48.5	70 04.4	70 29.4	70 43.2	70 43.2	
21 21	R.G. 2	—	70 55.2	71 11.0	71 37.6	70 32.2	70 55.4	69 52.5	70 09.0	70 39.7	70 44.1	70 44.1	
25 03	R.G. 2	—	70 47.6	71 08.0	71 36.4	70 37.4	70 47.0	69 48.4	70 05.4	70 38.8	70 41.1	70 41.1	
28 21	R.G. 2	—	-70 56.4	-71 20.3	-71 38.0	-70 31.8	-70 46.6	-69 47.2	-70 09.2	-70 33.6	-70 42.9	-70 42.9	
March.													
2 03	R.G. 1	—	-71 24.0	-69 50.5	-69 57.2	-71 11.6	-70 01.3	-71 20.0	-71 23.3	-70 07.4	-70 39.5	-70 39.5	
4 03	R.G. 2	—	70 49.5	71 19.6	71 36.6	70 32.0	70 48.2	69 47.9	70 08.8	70 35.0	70 42.2	70 42.2	
7 21	R.G. 2	—	71 04.4	71 15.6	71 30.8	70 27.2	70 49.8	69 43.3	70 02.7	70 38.2	70 41.5	70 41.5	
11 03	R.G. 2	—	70 59.9	71 19.7	71 30.2	70 43.6	70 52.8	69 46.9	69 54.6	70 43.7	70 43.9	70 43.9	
14 21	R.G. 2	—	70 54.5	71 19.6	71 38.7	70 36.6	70 45.7	69 48.8	70 03.4	70 23.4	70 41.3	70 41.3	-70 41.5
18 03	R.G. 2	—	70 47.0	71 20.0	71 38.2	70 38.0	70 47.0	69 41.8	70 02.0	70 31.2	70 40.6	70 40.6	
21 21	R.G. 2	—	70 55.9	71 15.2	71 37.0	70 34.6	70 48.0	69 41.0	70 02.4	70 35.2	70 41.2	70 41.2	
25 03	R.G. 2	—	70 54.7	71 16.2	71 30.3	70 36.0	70 52.0	69 47.8	70 04.6	70 35.4	70 42.1	70 42.1	
28 21	R.G. 2	—	-70 45.4	-71 15.2	-71 39.0	-70 33.2	-70 55.2	-69 43.2	-70 02.1	-70 33.0	-70 40.8	-70 40.8	
April.													
1 03	R.G. 2	—	-70 52.0	-71 18.7	-70 37.2	-71 45.2	-70 49.8	-69 45.7	-70 34.7	-69 58.6	-70 42.7	-70 42.7	
4 21	R.G. 2	—	70 55.4	71 25.4	71 38.3	70 39.6	70 40.8	69 38.7	70 06.2	70 38.3	70 42.8	70 42.8	
5 00	R.G. 1	—	72 05.3	69 04.0	69 41.3	71 27.8	69 57.3	71 46.4	71 32.7	70 05.3	70 42.5	70 42.5	
8 03	R.G. 2	—	70 57.4	71 09.6	71 35.8	70 33.6	70 55.2	69 38.8	70 02.4	70 32.0	70 40.6	70 40.6	
11 21	R.G. 2	—	70 48.6	71 18.6	71 48.2	70 23.7	71 04.8	69 42.0	70 02.4	70 34.6	70 42.9	70 42.9	
15 03	R.G. 2	—	71 01.4	71 22.6	71 35.8	70 38.4	70 55.4	69 36.2	69 58.3	70 24.9	70 41.6	70 41.6	-70 43.5
18 21	R.G. 2	—	70 53.5	71 14.0	71 34.5	70 38.8	70 59.4	69 42.0	69 59.4	70 47.0	70 43.6	70 43.6	
22 03	R.G. 2	—	70 50.8	71 32.9	71 43.9	70 31.2	71 02.7	69 42.0	69 57.6	70 44.8	70 45.7	70 45.7	
26 01	R.G. 2	—	70 59.6	71 25.9	71 53.9	70 41.5	70 55.5	69 30.0	69 52.4	70 29.9	70 43.6	70 43.6	
29 03	R.G. 2	—	71 04.2	71 15.4	71 44.6	70 25.0	70 57.8	69 54.0	70 20.8	70 44.0	70 48.2	70 48.2	
29 21	R.G. 2	—	-70 58.2	-71 06.4	-71 41.4	-70 44.0	-70 53.0	-69 47.8	-70 11.4	-70 33.0	-70 44.4	-70 44.4	
May.													
2 21	R.G. 2	—	-71 04.1	-71 24.0	-71 56.5	-70 30.7	-71 05.4	-69 46.0	-70 00.4	-70 38.8	-70 48.2	-70 48.2	
3 22	R.G. 1	—	71 50.1	69 37.7	69 34.4	71 35.6	70 04.6	71 34.2	72 02.8	69 26.1	70 43.2	70 43.2	
4 22	R.G. 2	—	70 49.2	71 22.3	71 51.9	70 34.2	71 05.9	69 36.0	70 06.8	70 33.4	70 42.4	70 42.4	
6 03	R.G. 2	—	71 07.4	71 23.0	71 46.3	70 26.6	70 59.1	69 39.4	70 03.6	70 38.8	70 38.0	70 38.0	
9 21	R.G. 2	—	70 45.6	71 17.8	71 31.6	70 37.8	71 07.6	69 16.4	70 02.9	70 37.9	70 39.7	70 39.7	
13 03	R.G. 2	—	71 13.0	71 22.9	72 00.0	70 29.0	71 06.4	69 17.4	69 51.5	70 26.0	70 43.3	70 43.3	-70 43.5
16 21	R.G. 2	—	71 10.7	71 18.0	71 48.4	70 39.0	70 38.7	69 04.8	69 19.4	70 48.6	70 35.9	70 35.9	
17 03	R.G. 1	—	72 40.8	68 35.4	68 46.0	72 50.6	70 03.6	71 33.6	71 34.0	70 00.6	70 45.6	70 45.6	
20 03	R.G. 2	—	71 06.6	71 15.8	71 48.2	70 27.4	70 49.8	69 47.6	70 05.0	70 35.4	70 44.5	70 44.5	
23 21	R.G. 2	—	71 06.1	71 32.0	72 04.7	70 18.4	70 53.2	69 32.8	69 59.6	70 34.0	70 45.1	70 45.1	
27 03	R.G. 2	—	71 01.7	71 47.4	71 52.3	70 41.6	70 52.2	69 33.4	69 41.8	70 39.0	70 46.2	70 46.2	
30 21	R.G. 2	—	-70 56.4	-71 28.4	-71 37.8	-70 40.0	-70 53.0	-69 45.5	-70 04.8	-70 35.0	-70 45.1	-70 45.1	

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1842.	D. H.	° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	
June.	3 03 R.G. 2	0 & 180	-71 06.0	-71 30.2	-72 00.7	-70 40.4	-71 03.0	-69 27.9	-69 51.1	-70 37.6	-70 47.1	-70 47.1	
	3 21 R.G. 1	—	71 50.5	69 39.5	69 41.8	71 45.6	69 34.5	71 48.0	72 05.0	69 48.0	70 46.6	70 46.6	
	6 21 R.G. 2	—	71 04.0	71 28.0	71 53.7	70 53.0	70 53.0	69 11.7	69 47.9	70 30.9	70 42.8	70 42.8	
	10 03 R.G. 2	—	71 11.6	71 24.0	71 49.0	70 40.7	70 46.0	69 39.2	69 59.4	70 29.2	70 44.9	70 44.9	
	13 21 R.G. 2	—	71 12.8	71 39.4	71 56.0	70 43.8	70 40.8	69 36.0	70 03.8	70 32.2	70 48.2	70 48.2	
	14 21 R.G. 1	—	71 26.2	69 47.8	69 32.8	71 35.6	70 02.8	71 45.0	71 59.3	69 42.7	70 44.0	70 44.0	
	17 03 R.G. 2	—	70 38.3	72 56.2	70 03.0	70 54.1	71 19.1	69 47.0	69 38.0	70 32.4	70 43.5	70 43.5	
	20 22 R.G. 2	—	71 02.0	71 19.8	71 31.6	70 24.2	70 32.2	69 35.9	70 01.7	70 35.6	70 37.9	70 37.9	
24 03 R.G. 2	—	71 25.4	71 49.6	72 20.0	70 56.0	70 48.6	69 06.6	69 38.3	70 31.0	70 48.2	70 48.2		
27 21 R.G. 2	—	—	-70 59.4	-71 27.0	-71 50.1	-70 42.0	-70 37.6	-69 09.4	-69 29.2	-71 02.6	-70 39.7	-70 39.7	
July.	1 03 R.G. 1	—	-71 23.0	-69 36.0	-69 34.8	-71 28.2	-70 00.4	-71 41.6	-71 31.4	-70 04.2	-70 39.9	-70 39.9	
	5 21 R.G. 1	—	71 39.4	69 49.4	69 44.0	71 31.4	70 07.4	71 17.2	71 43.8	70 03.6	70 44.5	70 44.5	
	8 03 R.G. 1	—	72 17.2	69 05.4	68 37.6	73 04.4	69 32.0	72 08.2	72 02.2	69 43.0	70 48.7	70 48.7	
	11 21 R.G. 1	—	71 48.8	69 53.8	69 40.0	71 36.2	69 55.2	71 38.8	71 25.8	69 54.3	70 44.1	70 44.1	
	15 03 R.G. 1	—	72 27.4	69 27.2	69 16.4	72 25.0	70 05.6	72 11.0	72 25.0	69 53.4	71 01.4	71 01.4	
	15 21 R.G. 1	—	72 06.9	69 08.0	68 55.6	72 29.1	69 14.2	72 10.9	72 13.0	69 49.4	70 45.9	70 45.9	
	18 21 R.G. 1	—	72 01.6	68 54.4	69 06.4	71 35.4	69 32.0	71 47.0	71 50.5	69 21.5	70 31.1	70 31.1	
	19 01 R.G. 1	—	71 38.5	69 29.0	69 23.0	71 52.7	70 04.6	71 20.0	71 38.4	69 47.6	70 39.2	70 39.2	
	22 03 R.G. 1	—	71 23.2	69 46.6	69 53.4	71 23.4	70 18.2	71 22.6	71 24.4	70 01.2	70 41.6	70 41.6	
	25 21 R.G. 1	—	71 51.1	68 43.0	68 51.8	72 35.0	69 43.2	71 34.2	72 08.2	69 44.4	70 38.9	70 38.9	
29 03 R.G. 1	—	—	-72 07.5	-69 24.4	-69 21.7	-71 51.2	-69 38.1	-71 29.9	-69 48.0	-71 48.1	-70 41.1	-70 41.1	
August.	1 21 R.G. 1	—	— ^a	—	—	—	—	—	—	—	-70 42.0	-70 42.0	
	5 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 50.2	70 50.2	
	8 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 39.8	70 39.8	
	12 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 40.5	70 40.5	
	15 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 41.8	70 41.8	
	19 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 51.9	70 51.9	
	22 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 42.6	70 42.6	
	24 03 R.G. 2	—	—	—	—	—	—	—	—	—	70 46.6	70 46.6	
26 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 38.7	70 38.7		
29 21 R.G. 1	—	—	—	—	—	—	—	—	—	-70 43.6	-70 43.6		
September.	2 03 R.G. 1	—	—	—	—	—	—	—	—	—	-70 35.7	-70 35.7	
	5 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 45.5	70 45.5	
	6 03 R.G. 2	—	—	—	—	—	—	—	—	—	70 47.7	70 47.7	
	9 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 41.4	70 41.4	
	12 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 38.1	70 38.1	
	16 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 52.1	70 52.1	
	19 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 43.7	70 43.7	
	23 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 46.1	70 46.1	
26 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 45.4	70 45.4		
30 03 R.G. 1	—	—	—	—	—	—	—	—	—	-70 41.2	-70 41.2		
October.	3 21 R.G. 1	—	—	—	—	—	—	—	—	—	-70 44.2	-70 44.2	
	7 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 39.9	70 39.9	
	7 21 R.G. 2	—	—	—	—	—	—	—	—	—	70 43.1	70 43.1	
	10 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 41.8	70 41.8	
	14 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 36.3	70 36.3	
	17 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 40.8	70 40.8	
	18 21 R.G. 2	—	—	—	—	—	—	—	—	—	70 42.9	70 42.9	
	21 03 R.G. 1	—	—	—	—	—	—	—	—	—	70 41.0	70 41.0	
24 21 R.G. 1	—	—	—	—	—	—	—	—	—	70 37.9	70 37.9		
28 03 R.G. 1	—	—	—	—	—	—	—	—	—	-70 38.8	-70 38.8		

^a The details of the observations from August to December, 1842, have not, it is believed, been sent to England.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1842.													
D. H.		° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
November.		0 & 180	—	—	—	—	—	—	—	—	—	—	—
1 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
4 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
7 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
11 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
14 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
18 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
21 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
22 03	R.G. 2	—	—	—	—	—	—	—	—	—	—	—	—
28 18	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
December.													
2 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
5 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
9 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
12 19	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
12 21	R.G. 2	—	—	—	—	—	—	—	—	—	—	—	—
16 22	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
19 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
23 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
24 03	R.G. 2	—	—	—	—	—	—	—	—	—	—	—	—
26 21	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
27 21	R.G. 2	—	—	—	—	—	—	—	—	—	—	—	—
30 03	R.G. 1	—	—	—	—	—	—	—	—	—	—	—	—
31 03	R.G. 2	—	—	—	—	—	—	—	—	—	—	—	—
1843.													
January.													
2 21	R.G. 2	—	-71 57.0	-69 37.0	-69 45.6	-72 09.0	-70 05.0	-71 48.7	-71 59.0	-69 59.0	-70 55.0	-70 55.0	-70 55.0
3 03	R.G. 1	—	72 06.0	69 25.0	69 39.7	71 39.0	69 23.7	71 12.0	72 04.7	69 28.7	70 37.3	70 37.3	70 37.3
6 03	K. 2 ^b	—	—	—	—	—	—	—	—	—	70 42.7	70 42.7	70 42.7
6 05	K. 4	—	—	—	—	—	—	—	—	—	70 52.6	70 52.6	70 52.6
7 05	R.G. 1	—	71 35.7	68 39.0	70 02.0	72 02.0	72 05.7	69 44.7	72 16.0	69 54.0	70 47.4	70 47.4	70 47.4
9 21	R.G. 1	—	71 35.0	69 46.0	69 23.3	71 55.0	70 04.7	72 05.7	72 18.7	69 55.7	70 53.0	70 53.0	70 53.0
10 03	R.G. 1	—	71 53.3	69 13.3	69 13.0	71 34.3	69 33.3	72 06.3	71 47.7	69 50.7	70 46.5	70 46.5	70 46.5
10 21	K. 4	—	—	—	—	—	—	—	—	—	70 33.8	70 33.8	70 33.8
13 03	R.G. 1	—	72 06.7	68 45.3	69 28.3	71 45.3	71 37.7	69 35.7	69 53.3	71 54.0	70 38.3	70 38.3	70 38.3
16 03	R.G. 2	—	71 08.0	71 33.7	71 44.3	71 21.0	70 47.3	69 21.3	69 18.0	70 19.0	70 41.6	70 41.6	70 41.6
16 21	R.G. 1	—	72 12.3	69 18.7	69 36.3	71 45.0	69 35.0	72 09.7	69 51.0	71 49.3	70 47.2	70 47.2	70 47.2
20 03	R.G. 1	—	72 04.0	69 05.0	68 09.0	72 26.0	69 35.0	71 38.0	71 39.3	69 49.0	70 33.2	70 33.2	70 33.2
23 21	R.G. 1	—	72 37.3	68 04.0	68 09.0	73 05.3	71 56.6	70 13.0	70 00.7	71 23.5	70 41.2	70 41.2	70 41.2
24 05	K. 4	—	—	—	—	—	—	—	—	—	70 39.6	70 39.6	70 39.6
25 21	K. 3	—	—	—	—	—	—	—	—	—	70 30.7	70 30.7	70 30.7
27 03	R.G. 1	—	72 04.0	68 38.0	72 58.0	68 21.3	71 55.3	70 00.0	72 14.0	69 55.0	70 45.8	70 45.8	70 45.8
27 04	K. 4	—	—	—	—	—	—	—	—	—	70 51.5	70 51.5	70 51.5
27 21	R.G. 2	—	71 20.0	71 37.7	72 14.0	70 46.7	71 41.0	69 20.0	70 38.0	69 19.0	70 52.0	70 52.0	70 52.0
30 21	R.G. 1	—	71 45.0	69 19.7	69 13.0	72 11.3	69 18.0	71 31.7	71 49.3	69 58.7	70 38.4	70 38.4	70 38.4
31 03	R.G. 2	—	-71 02.3	-71 28.0	-71 46.3	-70 05.6	-70 50.0	-68 46.0	-69 30.7	-69 41.0	-70 30.0	-70 30.0	-70 30.0
February.													
3 03	R.G. 1	—	-71 51.3	-68 49.7	-71 31.3	-69 31.3	-72 42.3	-69 23.0	-72 45.0	-69 25.7	-70 42.4	-70 42.4	-70 42.4
3 04	K. 4	—	—	—	—	—	—	—	—	—	70 46.1	70 46.1	70 46.1
6 21	R.G. 1	—	70 07.0	71 45.7	72 01.0	69 20.5	72 47.0	68 41.3	72 27.3	69 18.0	70 48.5	70 48.5	70 48.5
7 21	K. 1	—	—	—	—	—	—	—	—	—	70 41.1	70 41.1	70 41.1
8 21	K. 2	—	—	—	—	—	—	—	—	—	70 36.2	70 36.2	70 36.2
9 18	K. 3	—	—	—	—	—	—	—	—	—	70 40.0	70 40.0	70 40.0
10 03	R.G. 1	—	71 33.0	69 21.0	69 18.0	71.47.0	69 33.7	72 09.0	71 52.7	69 54.7	70 41.1	70 41.1	70 41.1
10 21	K. 4	—	—	—	—	—	—	—	—	—	70 49.7	70 49.7	70 49.7
12 20	R.G. 2	—	72 09.7	70 38.3	71 18.7	71 26.0	70 41.3	69 47.3	69 50.0	70 38.5	70 48.7	70 48.7	70 48.7
13 21	R.G. 2	—	-72 11.3	-70 54.0	-71 07.0	-71 30.0	-71 07.7	-69 24.7	-69 26.0	-70 13.0	-70 44.2	-70 44.2	-70 44.2

^a The details of the observations from August to December, 1842, have not, it is believed, been sent to England.

^b The needles designated K 1, K 2, K 3, and K 4, belong to a 6-inch circle, by Robinson, the property of Lieutenant Kay. The details of the observations made with these needles in January and February, 1843, have not been sent to England.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1843.			° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
February.		0 & 180											
14 21	K. 1		—	—	—	—	—	—	—	—	—	—	—
15 20	K. 2		—	—	—	—	—	—	—	—	—	—	—
16 20	K. 3		—	—	—	—	—	—	—	—	—	—	—
17 03	R.G. 1		-72 15.3	-69 32.7	-69 14.7	-72 11.7	-69 37.0	-71 38.7	-71 43.3	-69 54.3	70 46.0	70 46.0	-70 43.6
17 21	K. 4		—	—	—	—	—	—	—	—	70 33.5	70 33.5	
19 20	R.G. 2		71 05.3	72 02.0	72 28.3	70 25.7	70 42.7	69 37.0	69 53.0	70 19.0	70 49.1	70 49.1	
20 20	R.G. 1		71 23.0	69 30.0	69 17.0	72 07.0	70 03.3	71 21.7	71 56.3	69 47.0	70 40.7	70 40.7	
21 19	K. 1		—	—	—	—	—	—	—	—	70 38.1	70 38.1	
22 20	K. 2		—	—	—	—	—	—	—	—	70 37.5	70 37.5	
23 21	K. 3		—	—	—	—	—	—	—	—	70 59.5	70 59.5	
24 04	R.G. 1		71 52.3	69 13.7	68 49.0	72 45.3	69 51.3	72 03.7	69 25.7	71 37.0	70 42.2	70 42.2	
26 20	R.G. 2		71 18.7	71 48.3	72 28.3	70 53.3	70 54.7	69 21.3	69 58.3	70 32.3	70 54.4	70 54.4	
26 21	K. 4		—	—	—	—	—	—	—	—	70 33.2	70 33.2	
27 21	R.G. 1		-71 58.7	-69 34.3	-69 24.0	-72 05.0	-71 59.0	-69 43.7	-70 11.0	-71 41.7	-70 49.7	-70 49.7	
March.													
5 22	R.G. 2		-71 03.2	-72 14.0	-71 11.5	-70 41.3	-70 34.0	-69 07.3	-69 53.3	-70 25.0	-70 44.2	-70 44.2	-70 42.2
6 21	R.G. 1		71 55.7	69 30.0	69 14.7	72 00.8	70 09.0	71 52.5	69 47.0	71 33.3	70 49.3	70 49.3	
10 03	R.G. 1		71 33.0	69 30.3	69 20.3	71 46.3	69 47.0	71 33.3	71 48.3	69 54.0	70 39.1	70 39.1	
12 21	R.G. 2		71 18.7	72 17.3	72 06.0	70 21.7	69 20.0	71 47.0	70 05.7	69 14.7	70 48.9	70 48.9	
13 21	R.G. 1		72 30.3	68 49.0	68 48.3	72 55.0	69 53.3	71 56.3	71 27.0	69 25.0	70 43.0	70 43.0	
17 03	R.G. 1		72 25.7	69 07.7	69 25.7	71 02.3	70 07.2	71 16.7	71 14.7	69 53.3	70 34.2	70 34.2	
19 21	R.G. 2		72 02.0	71 14.0	71 00.7	71 34.3	70 35.0	69 50.7	69 25.0	70 23.0	70 45.6	70 45.6	
21 21	R.G. 1		69 44.0	71 46.7	71 51.7	70 00.0	69 38.3	71 34.0	72 13.0	69 58.7	70 50.8	70 50.8	
24 03	R.G. 1		71 47.7	68 59.0	68 59.3	72 44.7	68 37.0	72 26.3	72 11.0	69 22.3	70 38.2	70 38.2	
26 21	R.G. 2		70 57.7	71 04.7	71 30.0	71 09.3	70 41.7	68 53.7	69 48.0	70 01.3	70 35.8	70 35.8	
27 21	R.G. 1		69 33.5	71 45.3	71 35.3	69 02.7	72 15.0	68 55.3	68 43.0	72 54.3	70 35.6	70 35.6	
31 03	R.G. 1		-71 32.0	-69 51.0	-69 36.0	-71 53.0	-69 18.0	-71 55.0	-71 41.0	-69 50.3	-70 42.0	-70 42.0	
April.													
5 —	R.G. 1		-72 05.3	-69 04.0	-69 41.3	-71 27.8	-70 05.3	-71 32.7	-71 18.7	-69 49.0	-70 38.0	-70 38.0	
5 —	R.G. 1	10 & 190	71 55.8	70 23.0	70 17.8	72 02.8	70 53.3	72 04.3	71 43.7	70 22.3	71 12.8	71 12.8	*70 40.8
5 —	R.G. 1	100 & 280	84 02.8	86 08.2	86 15.5	83 57.8	85 45.6	84 16.3	84 34.7	86 05.3	85 08.2	85 08.2	
5 —	R.G. 1	20 & 200	73 15.7	71 20.3	71 10.0	73 09.8	71 53.3	73 08.7	72 46.0	71 32.5	72 17.0	72 17.0	
5 —	R.G. 1	110 & 290	80 53.8	82 48.0	83 02.5	80 31.2	82 28.3	81 10.6	80 54.7	82 31.7	81 47.7	81 47.7	70 41.1
6 —	R.G. 1	30 & 210	74 50.0	72 54.7	72 53.0	74 42.3	73 22.7	74 35.0	73 24.7	73 07.0	73 43.6	73 43.6	
6 —	R.G. 1	120 & 300	77 52.3	79 46.7	79 46.2	77 49.7	79 33.3	78 05.0	78 05.7	79 42.7	78 50.3	78 50.3	70 35.4
6 —	R.G. 1	40 & 220	76 58.3	74 50.4	74 45.0	76 45.0	75 10.0	76 45.7	76 35.7	75 13.3	75 52.9	75 52.9	
6 —	R.G. 1	130 & 310	75 19.3	77 10.8	77 08.7	75 13.0	76 58.7	75 32.2	75 24.0	77 06.0	76 14.0	76 14.0	70 39.1
6 —	R.G. 1	50 & 230	79 21.3	77 35.7	77 16.0	79 22.0	77 44.0	79 16.0	79 05.7	77 40.7	78 25.1	78 25.1	
6 —	R.G. 1	140 & 320	73 04.0	75 03.2	74 56.3	73 13.7	74 49.3	73 25.7	73 20.3	74 55.0	74 05.9	74 05.9	70 39.7
6 —	R.G. 1	60 & 240	82 14.7	80 20.3	80 15.3	82 15.3	80 32.7	82 04.3	82 00.7	80 59.8	81 20.4	81 20.4	70 42.4
6 —	R.G. 1	150 & 330	71 18.5	73 21.2	73 28.0	71 29.7	73 34.0	71 48.3	71 40.7	73 23.3	72 30.4	72 30.4	
6 —	R.G. 1	70 & 250	85 33.0	83 34.3	83 25.0	85 33.0	83 56.7	85 23.0	84 56.8	83 05.3	84 25.9	84 25.9	70 37.0
6 —	R.G. 1	160 & 340	70 13.2	72 13.3	72 22.7	70 20.7	72 03.3	70 33.3	70 34.3	72 14.7	71 19.4	71 19.4	
6 —	R.G. 1	80 & 260	88 55.0	87 01.7	86 52.2	89 08.7	87 20.3	88 52.2	88 33.7	86 57.0	87 57.6	87 57.6	70 41.5
6 —	R.G. 1	170 & 350	69 50.3	71 30.3	71 46.0	69 50.3	71 30.7	70 00.7	70 03.7	71 44.0	70 47.0	70 47.0	
21 —	K. 1	0 & 180	70 19.8	70 50.0	70 33.0	70 49.0	70 44.8	70 34.2	70 33.7	70 32.5	70 37.1	70 37.1	70 37.1
21 —	K. 1	15 & 195	71 17.4	71 04.7	71 06.3	71 10.0	71 29.3	71 12.0	71 32.5	71 05.0	71 14.6	71 14.6	
21 —	K. 1	105 & 285	85 09.0	84 56.0	84 07.0	84 37.5	84 59.5	84 42.0	84 40.3	84 55.5	84 45.8	84 45.8	70 37.4
21 —	K. 1	30 & 210	73 00.0	72 46.3	73 32.0	73 07.2	72 51.3	72 55.2	73 09.3	72 59.6	73 02.6	73 02.6	70 34.9
21 —	K. 1	120 & 300	79 58.0	79 51.5	80 00.5	80 14.3	79 56.2	79 52.3	80 04.1	79 46.4	79 57.9	79 57.9	
21 —	K. 1	45 & 225	76 28.3	76 27.5	79 59.5	75 36.7	75 57.0	75 58.7	75 58.3	76 07.0	76 04.1	76 04.1	70 32.6
21 —	K. 1	135 & 315	76 14.5	75 28.7	76 09.0	75 49.3	75 47.7	75 46.5	75 58.8	75 49.7	75 53.0	75 53.0	
22 —	K. 1	60 & 240	79 56.5	79 43.7	80 26.3	80 05.8	79 58.0	80 17.5	79 48.0	80 09.0	80 03.1	80 03.1	70 34.9
22 —	K. 1	150 & 330	72 51.7	72 49.7	73 18.0	73 14.5	72 56.7	72 56.5	72 59.0	72 52.6	72 59.8	72 59.8	
22 —	K. 1	75 & 255	85 16.3	85 03.0	84 18.7	84 35.2	84 42.5	84 49.8	84 47.7	84 54.0	84 48.4	84 48.4	70 39.0
22 —	K. 1	165 & 345	71 32.3	71 36.7	71 15.2	71 00.0	71 23.7	71 05.0	71 09.4	71 03.8	71 15.7	71 15.7	
22 —	K. 1	0 & 180	70 22.0	70 51.0	70 52.0	70 30.0	70 45.0	70 36.0	70 40.0	70 36.0	70 39.0	70 39.0	70 39.0
22 —	K. 2	0 & 180	70 29.0	70 53.8	70 43.6	70 30.6	70 34.7	70 34.3	70 34.2	70 47.2	70 38.4	70 38.4	
22 —	K. 2	10 & 190	71 07.5	70 38.0	71 06.7	70 42.0	70 49.7	70 45.0	70 40.3	70 59.3	70 51.1	70 51.1	70 35.0
24 —	K. 2	100 & 280	-85 58.0	-87 02.0	-86 10.0	-86 50.0	-86 25.6	-86 39.6	-86 37.0	-86 25.0	-86 30.9	-86 30.9	

* The true inclination, θ , is deduced from two observations out of the meridian at azimuths 90° apart, η and η' , by the formula, $\cot^2 \theta = \cot^2 \eta + \cot^2 \eta'$.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1843.													
	D. H.												
April—continued.	24 —	K. 2	20 & 200	-71 52.7	-71 35.0	-71 30.0	-71 57.7	-71 46.0	-71 29.7	-71 43.7	-71 33.0	-71 40.9	-70 34.3
	24 —	K. 2	110 & 290	82 23.0	83 27.0	83 30.0	82 28.0	83 19.3	83 03.0	83 05.0	83 17.0	83 04.0	
	24 —	K. 2	30 & 210	73 20.0	72 46.0	72 40.0	73 26.4	73 12.3	72 54.3	72 53.4	73 02.0	73 01.8	
	24 —	K. 2	120 & 300	79 30.0	80 21.2	80 23.0	79 32.0	80 03.7	79 51.0	79 53.0	80 06.0	79 57.4	
	24 —	K. 2	40 & 220	75 15.0	74 37.0	74 45.0	75 05.0	74 51.0	74 49.7	74 44.8	75 00.0	74 53.5	
	25 —	K. 2	130 & 310	76 48.0	77 30.0	77 37.5	76 45.0	77 04.3	77 13.0	77 11.3	77 11.2	77 10.0	
	25 —	K. 2	50 & 230	77 27.7	76 50.0	77 12.0	77 32.0	77 17.0	77 07.0	77 18.3	77 08.3	77 14.0	
	25 —	K. 2	140 & 320	74 28.0	75 22.5	75 18.0	74 32.0	74 55.0	74 47.0	74 46.0	74 56.0	74 53.0	
	25 —	K. 2	60 & 240	80 30.7	79 35.0	79 50.0	80 23.6	79 56.7	80 00.7	80 13.0	79 47.2	80 02.1	
	25 —	K. 2	150 & 330	72 40.0	73 33.7	73 27.5	72 31.0	73 04.7	73 02.0	72 58.7	73 00.0	73 02.1	
	25 —	K. 2	70 & 250	83 32.0	82 42.3	83 04.3	83 24.3	83 10.0	83 17.0	83 16.7	83 04.2	83 10.8	
	25 —	K. 2	160 & 340	71 18.0	72 04.0	72 06.0	71 15.0	71 41.3	71 41.0	71 40.0	71 50.0	71 42.0	
	25 —	K. 2	80 & 260	86 59.3	85 53.0	86 32.3	86 41.4	86 37.0	86 23.6	86 26.3	86 35.0	86 30.8	
	25 —	K. 2	170 & 350	70 40.0	71 21.0	71 18.0	70 26.0	70 53.7	70 53.7	70 50.0	70 57.0	70 54.9	
26 —	K. 2	0 & 180	-70 30.0	-70 55.0	-70 46.4	-70 30.0	-70 32.0	-70 44.0	-70 46.0	-70 30.2	-70 39.1		
May	1 —	K. 3	0 & 180	-70 23.8	-70 45.1	-71 09.7	-70 37.0	-70 42.5	-70 42.5	-70 31.5	-70 39.0	-70 41.4	-70 40.2
	1 —	K. 3	15 & 195	70 48.5	71 12.5	71 36.0	71 04.5	71 23.5	71 22.5	71 14.5	71 17.3	71 14.9	
	1 —	K. 3	105 & 285	84 57.5	84 34.0	84 32.5	85 50.5	84 24.8	84 54.0	84 59.5	84 43.0	84 52.0	
	1 —	K. 3	30 & 210	72 51.0	73 14.5	73 17.5	72 57.5	73 17.5	72 52.5	72 58.0	73 04.0	73 04.0	
	1 —	K. 3	120 & 300	80 18.2	79 49.5	79 53.8	80 06.0	80 02.5	80 11.0	80 14.0	79 52.5	80 03.4	
	1 —	K. 3	45 & 225	75 57.5	76 10.0	76 14.0	75 55.5	76 20.0	76 12.0	75 50.0	76 10.0	76 06.1	
	1 —	K. 3	135 & 315	76 09.3	75 53.0	75 53.7	76 10.0	75 50.5	76 08.0	76 14.5	76 02.5	76 02.7	
	1 —	K. 3	60 & 240	79 50.8	80 14.5	80 22.5	79 56.0	80 22.5	79 52.0	79 59.0	80 12.5	80 06.2	
	2 —	K. 3	150 & 330	73 17.5	72 58.0	72 57.5	73 25.5	73 02.0	73 12.5	73 30.0	72 56.0	73 09.8	
	2 —	K. 3	75 & 255	84 35.5	84 50.1	85 07.5	84 36.0	85 02.5	84 48.0	84 36.5	85 04.0	84 50.0	
	2 —	K. 3	165 & 345	71 37.5	71 07.5	70 54.0	71 28.5	71 14.5	71 07.5	71 22.5	71 13.5	71 15.7	
	2 —	K. 3	0 & 180	70 57.0	70 50.0	70 31.0	70 21.5	70 46.0	70 48.0	70 31.5	70 37.0	70 40.2	
	4 —	K. 4	0 & 180	71 40.0	71 40.0	71 12.7	72 12.5	69 34.0	69 32.0	69 37.0	69 25.0	70 36.6	
	4 —	K. 4	30 & 210	74 14.0	73 51.5	73 42.0	74 20.5	72 09.0	72 13.0	72 07.5	71 57.5	73 04.4	
	4 —	K. 4	120 & 300	80 14.0	80 44.5	80 59.5	80 32.5	79 49.0	79 23.0	79 19.5	79 34.0	80 04.5	
	4 —	K. 4	60 & 240	80 52.5	80 25.0	80 11.0	80 52.5	79 18.5	79 36.0	79 42.5	79 27.0	80 03.1	
	4 —	K. 4	150 & 330	73 36.5	74 16.5	74 09.3	73 46.0	72 11.0	71 52.0	72 05.0	72 09.0	73 00.7	
	4 —	K. 4	0 & 180	71 56.5	71 33.0	71 18.0	72 14.5	69 30.0	69 40.5	69 20.0	69 29.5	70 37.7	
	11 —	R.G. 2	0 & 180	71 19.5	71 56.0	71 17.5	70 27.5	70 47.0	69 47.7	69 02.8	70 10.2	70 36.0	
	11 —	R.G. 2	30 & 210	73 10.0	73 57.5	73 28.3	72 35.2	72 55.5	71 59.5	71 07.3	72 10.7	72 40.5	
	11 —	R.G. 2	120 & 300	80 48.0	79 52.0	80 40.5	81 29.0	79 59.8	80 08.0	81 06.3	81 13.0	80 39.6	
	11 —	R.G. 2	60 & 240	79 59.0	80 42.5	80 23.0	79 11.0	80 34.5	80 06.8	79 16.5	79 26.7	79 57.5	
	11 —	R.G. 2	150 & 330	73 52.3	72 54.7	73 33.0	74 16.7	72 27.8	72 33.2	73 18.5	72 11.0	73 08.4	
	15 —	A. 1	0 & 180	72 23.0	72 35.5	72 08.0	73 01.0	68 30.0	69 27.5	69 38.0	68 43.0	70 41.0	
	15 —	A. 1	10 & 190	72 32.0	73 01.0	72 25.0	72 35.5	68 45.0	69 30.0	69 51.5	69 05.3	70 58.1	
	15 —	A. 1	100 & 180	87 05.0	86 50.5	86 43.0	87 13.0	86 24.0	86 02.2	85 50.0	86 14.7	86 32.8	
	15 —	A. 1	20 & 200	73 12.5	73 34.0	73 17.0	73 22.0	69 52.0	70 13.0	70 27.5	70 03.7	71 45.2	
	15 —	A. 1	110 & 290	83 55.0	83 44.5	83 46.0	84 06.5	82 45.5	82 27.0	82 16.0	82 33.2	83 11.7	
	16 —	A. 1	30 & 210	74 18.0	74 48.0	74 40.0	74 34.0	71 21.0	71 50.0	72 01.0	71 24.0	73 07.0	
	16 —	A. 1	120 & 300	81 00.0	80 58.0	80 55.0	81 25.0	79 06.0	78 58.2	78 46.0	78 54.0	80 00.2	
	16 —	A. 1	40 & 220	76 07.5	76 12.0	76 24.0	76 20.0	73 21.0	73 52.7	74 00.2	73 34.0	74 58.4	
	16 —	A. 1	130 & 310	78 28.0	78 29.0	78 16.0	78 48.0	76 22.2	76 09.0	75 50.7	76 02.7	77 18.2	
	16 —	A. 1	50 & 230	78 13.0	78 36.0	78 26.0	78 20.0	75 56.0	76 28.0	76 34.8	76 06.4	77 20.0	
	16 —	A. 1	140 & 320	76 27.0	76 25.0	76 17.0	76 28.0	73 52.0	73 35.0	73 16.7	73 34.0	74 59.3	
16 —	A. 1	60 & 240	80 53.0	81 08.5	81 02.0	80 54.5	78 39.2	79 13.5	79 20.0	78 46.0	79 59.6		
16 —	A. 1	150 & 330	74 43.0	74 37.0	74 22.0	70 50.5	71 52.2	71 39.6	71 24.0	71 37.0	73 08.1		
17 —	A. 1	70 & 250	83 37.5	83 53.0	83 51.0	83 40.5	82 12.0	82 40.0	82 51.7	82 22.2	83 08.5		
17 —	A. 1	160 & 340	73 18.0	73 25.0	73 12.0	73 39.0	70 33.0	70 18.5	69 53.4	70 08.5	71 48.4		
17 —	A. 1	80 & 260	86 41.0	86 56.0	86 57.0	86 46.5	85 48.4	86 22.7	86 36.0	86 02.0	86 31.2		
17 —	A. 1	170 & 350	72 35.0	72 37.5	72 21.5	72 58.0	69 31.7	69 20.4	68 56.0	69 08.0	70 56.0		
17 —	A. 1	0 & 180	70 30.0	69 54.0	71 00.0	71 29.0	70 26.8	70 26.0	71 06.0	70 43.0	70 41.8		
23 —	A. 2	10 & 190	70 42.0	70 44.0	71 24.5	71 00.0	70 46.0	70 09.3	71 15.0	71 46.0	70 58.3		
23 —	A. 2	100 & 280	86 50.0	87 25.5	86 19.0	85 40.0	86 48.0	86 34.0	86 11.5	86 27.0	86 31.8		
25 —	A. 2	20 & 200	71 44.0	70 55.0	72 03.0	72 32.5	71 30.5	71 34.0	72 11.0	71 47.0	71 47.1		
25 —	A. 2	110 & 290	-83 27.0	-84 05.5	-83 03.0	-82 16.0	-83 28.0	-83 15.0	-82 53.0	-82 59.0	-83 10.8		

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.		
			Face of Needle				Face of Needle								
			Direct.		Reversed.		Direct.		Reversed.						
			α	α'	α''	α'''	β	β'	β''	β'''					
1843.															
D. H.		° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
May—continued.															
25 —	A. 2	30 & 210	-72 56.0	-72 19.5	-73 31.0	-73 54.0	-72 52.5	-72 53.0	-73 31.5	-73 07.0	-73 08.0				
25 —	A. 2	120 & 300	80 25.0	80 55.0	79 43.0	79 02.0	80 25.0	80 11.5	79 51.0	79 54.0	80 03.3				
25 —	A. 2	40 & 220	74 47.0	74 02.0	75 18.0	75 41.5	74 42.5	74 46.0	75 23.5	74 53.0	74 56.6				
25 —	A. 2	130 & 310	77 40.0	78 13.5	77 03.5	76 22.0	77 41.0	77 23.5	77 03.0	77 04.0	77 18.9				
25 —	A. 2	50 & 230	77 01.0	76 25.5	77 38.0	78 11.5	77 04.5	77 06.0	77 41.5	77 28.0	77 19.5				
25 —	A. 2	140 & 320	75 20.0	75 52.0	74 42.5	74 04.0	75 22.0	74 59.5	74 45.0	74 44.0	74 58.6				
26 —	A. 2	60 & 240	79 42.0	79 04.5	80 25.0	80 50.0	79 47.8	79 54.0	80 24.5	80 03.0	80 01.4				
26 —	A. 2	150 & 330	73 29.0	73 58.0	72 54.0	72 12.0	73 31.5	73 17.0	72 50.0	72 50.5	73 07.8				
26 —	A. 2	70 & 250	82 58.0	82 14.5	83 25.0	84 02.0	82 52.5	82 58.0	83 29.0	83 17.0	83 09.5				
26 —	A. 2	160 & 340	72 05.0	72 34.0	71 34.0	70 50.0	72 10.0	71 49.0	71 32.0	71 31.0	71 45.6				
26 —	A. 2	80 & 260	86 17.0	85 41.0	86 48.0	87 20.5	86 12.5	86 21.5	86 50.0	86 35.0	86 30.7				
26 —	A. 2	170 & 350	71 17.0	71 48.0	70 46.0	70 02.0	71 24.5	70 57.0	70 42.0	70 41.0	70 57.2				
26 —	A. 2	0 & 180	-71 21.0	-70 00.0	-70 35.2	-70 45.0	-70 56.4	-70 28.0	-70 30.0	-70 52.6	-70 41.0				
June.															
1 —	A. 1	—	-72 25.2	-72 36.0	-72 19.5	-72 47.0	-68 19.5	-68 30.0	-68 44.5	-68 56.0	-70 34.7				
1 —	A. 2	—	70 21.9	70 13.5	71 02.0	71 05.0	70 14.8	70 17.0	71 01.8	70 34.0	70 36.2				
1 —	K. 1	—	71 19.0	70 21.8	70 01.7	70 53.0	70 47.0	70 47.0	70 22.5	70 24.0	70 37.0				
1 —	K. 2	—	70 42.0	70 27.0	70 35.0	70 46.0	70 30.0	70 44.0	70 46.0	70 30.0	70 37.5				
1 —	K. 3	—	70 19.5	70 51.0	71 05.0	70 21.5	70 27.5	70 46.5	70 50.5	70 22.0	70 37.9				
1 —	K. 4	—	71 10.5	70 52.0	70 57.0	71 27.5	69 51.0	70 15.0	70 26.0	69 56.0	70 36.8				
1 —	K. 1	—	70 18.5	70 45.0	70 59.0	70 28.0	70 25.0	70 44.5	70 49.0	70 26.0	70 36.8				
5 21	A. 2	—	70 27.7	70 08.8	70 57.3	71 05.3	—	—	—	—	70 39.8				
6 03	A. 2	—	70 30.0	70 07.3	71 00.8	71 07.0	—	—	—	—	70 41.3				
8 21	A. 2	—	—	—	—	—	70 15.3	70 07.5	70 28.3	70 59.0	70 27.5				
9 03	A. 2	—	—	—	—	—	70 14.0	70 14.7	70 30.7	71 01.0	70 30.1				
12 21	A. 2	—	70 27.3	70 02.7	70 57.8	71 02.8	—	—	—	—	70 37.7				
13 03	A. 2	—	70 31.7	70 03.3	70 57.0	71 04.7	—	—	—	—	70 39.2				
15 21	A. 2	—	—	—	—	—	70 16.4	70 13.3	71 02.8	70 41.4	70 33.5				
16 03	A. 2	—	—	—	—	—	70 19.3	70 12.7	70 59.3	70 33.0	70 31.1				
19 21	A. 2	—	70 30.7	70 04.8	70 52.5	71 01.7	—	—	—	—	70 37.4				
20 03	A. 2	—	70 32.3	70 06.0	70 54.0	71 02.0	—	—	—	—	70 38.6				
22 21	A. 2	—	—	—	—	—	70 10.9	70 18.8	71 00.2	70 34.0	70 31.0				
23 03	A. 2	—	—	—	—	—	70 06.8	70 20.0	70 59.8	70 37.3	70 31.0				
26 21	A. 2	—	70 26.8	70 04.3	70 53.0	70 59.0	—	—	—	—	70 35.8				
27 03	A. 2	—	-70 28.0	-70 10.0	-70 53.0	-70 50.7	—	—	—	—	70 35.4				
29 21	A. 2	—	—	—	—	—	70 11.3	70 25.0	71 10.7	70 27.7	70 33.7				
30 03	A. 2	—	—	—	—	—	-70 12.0	-70 26.0	-71 11.0	-70 30.9	-70 35.0				
July.															
3 21	A. 2	—	-70 26.7	-70 07.7	-70 51.6	-71 01.0	—	—	—	—	-70 36.8				
4 03	A. 2	—	70 26.3	70 07.5	70 48.8	70 56.0	—	—	—	—	70 34.7				
6 21	A. 2	—	—	—	—	—	70 19.2	70 36.3	71 21.5	70 33.0	70 42.5				
7 03	A. 2	—	—	—	—	—	70 19.0	70 36.7	71 20.7	70 38.0	70 43.6				
10 21	A. 2	—	70 26.0	70 08.0	70 35.0	70 46.0	—	—	—	—	70 28.8				
11 03	A. 2	—	70 27.2	69 48.4	70 32.0	70 59.1	—	—	—	—	70 26.7				
13 21	A. 2	—	—	—	—	—	70 12.0	70 41.4	71 28.8	70 28.3	70 42.6				
14 03	A. 2	—	—	—	—	—	70 16.5	70 41.8	71 28.5	70 29.3	70 44.0				
17 21	A. 2	—	70 30.2	69 45.3	70 26.4	71 09.3	—	—	—	—	70 27.8				
18 03	A. 2	—	70 36.7	69 43.8	70 25.0	71 09.0	—	—	—	—	70 28.6				
20 21	A. 2	—	—	—	—	—	70 15.0	70 33.0	71 25.3	70 35.0	70 42.1				
21 03	A. 2	—	—	—	—	—	70 14.7	70 32.3	71 24.7	70 34.3	70 41.5				
24 21	A. 2	—	70 41.0	69 39.0	70 29.7	71 06.3	—	—	—	—	70 29.0				
25 03	A. 2	—	70 44.7	69 36.3	70 30.0	71 05.7	—	—	—	—	70 29.2				
27 21	A. 2	—	—	—	—	—	70 08.0	70 48.7	71 29.7	70 30.0	70 44.1				
28 03	A. 2	—	—	—	—	—	70 06.3	70 48.0	71 31.3	70 29.3	70 43.7				
31 21	A. 2	—	-70 41.8	-69 43.3	-70 31.7	-71 02.2	—	—	—	—	-70 29.8				
August.															
1 03	A. 2	—	-70 50.3	-69 35.3	-70 30.7	-71 05.0	—	—	—	—	-70 30.3				
3 21	A. 2	—	—	—	—	—	70 12.3	70 36.3	71 26.3	70 40.0	70 43.7				
4 03	A. 2	—	—	—	—	—	70 10.2	70 50.0	71 23.3	70 34.7	70 43.6				
7 21	A. 2	—	-70 32.0	-69 37.5	-70 28.2	-71 05.9	—	—	—	—	-70 25.9				

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1843.													
D. H.		° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
August—continued.		0 & 180	-70 35.5	-69 44.8	-70 21.8	-71 11.2	—	—	—	—	-70 28.3	-70 34.9	-70 35.8
8 03	A. 2	—	—	—	—	—	—	—	—	—	70 40.8	-70 33.5	
10 21	A. 2	—	—	—	—	-69 40.7	-70 47.0	-71 35.3	-70 40.0	70 44.8	70 35.4		
11 03	A. 2	—	—	—	—	69 49.7	70 54.7	71 46.0	70 28.7	70 25.0		70 37.2	
14 21	A. 2	—	70 30.3	69 30.0	70 25.7	71 14.0	—	—	—	70 23.6	70 36.2		
15 03	A. 2	—	70 44.5	69 01.0	70 30.0	71 18.8	—	—	—	70 45.9		70 33.1	
17 21	A. 2	—	—	—	—	—	69 57.5	70 46.0	71 45.0	70 35.0	70 33.7		
18 03	A. 2	—	—	—	—	—	70 07.2	70 47.3	71 39.8	70 33.7		70 22.8	
21 21	A. 2	—	70 32.2	69 38.5	70 28.7	71 08.3	—	—	—	70 26.9	70 22.4		
22 03	A. 2	—	70 38.0	69 37.7	70 29.7	71 10.5	—	—	—	70 29.0		70 44.7	
24 21	A. 2	—	—	—	—	—	69 31.7	70 48.0	71 57.0	70 37.0	70 33.7		
25 03	A. 2	—	—	—	—	—	Not observed.					70 22.8		70 33.1
28 21	A. 2	—	70 39.7	69 25.0	70 16.3	71 10.3	—	—	—	70 22.8	70 33.7		
29 03	A. 2	—	-70 40.0	-69 19.7	-70 22.0	-71 08.0	—	—	—	70 22.4		70 35.1	
31 21	A. 2	—	—	—	—	—	-70 06.8	-70 33.7	-71 45.2	-70 33.0	-70 44.7		-70 33.7
September.													
1 03	A. 2	—	—	—	—	—	-70 00.0	-70 36.3	-71 43.7	-70 39.0	-70 44.8	-70 35.1	-70 36.5
4 21	A. 2	—	-70 34.9	-69 07.5	-70 19.7	-71 41.3	—	—	—	—	70 25.9	70 34.5	
5 03	A. 2	—	70 31.8	69 05.0	70 25.0	71 38.0	—	—	—	70 24.9	70 35.1		
7 21	A. 2	—	—	—	—	—	70 05.2	70 41.3	71 41.0	70 23.0		70 42.6		70 36.2
8 03	A. 2	—	—	—	—	—	70 07.0	70 40.3	71 40.0	70 31.0	70 44.6	70 39.1	
11 21	A. 2	—	70 30.7	69 47.0	70 41.7	70 56.0	—	—	—	—	70 28.9			70 39.4
12 03	A. 2	—	70 30.0	69 34.7	70 32.3	71 00.3	—	—	—	—	70 24.3	70 37.6	
14 21	A. 2	—	—	—	—	—	70 04.7	70 49.7	71 44.0	70 28.4	70 46.7			70 35.1
15 03	A. 2	—	—	—	—	—	70 03.3	70 40.3	71 43.7	70 32.7	70 45.0	70 36.2	
18 21	A. 2	—	70 31.7	69 22.3	70 31.3	71 14.7	—	—	—	—	70 25.0			70 39.1
19 03	A. 2	—	70 49.7	70 09.0	70 25.0	71 14.8	—	—	—	—	70 39.6	70 39.4	
21 21	A. 2	—	—	—	—	—	70 04.3	70 35.3	71 49.0	70 35.7	70 46.1			70 37.6
22 03	A. 2	—	—	—	—	—	70 07.5	70 39.5	71 48.5	70 33.0	70 47.1	70 35.1	
25 21	A. 2	—	71 00.5	69 09.3	70 07.5	71 44.3	—	—	—	—	70 30.4			70 36.2
26 03	A. 2	—	-70 16.7	-69 13.3	-70 32.7	-71 45.2	—	—	—	—	70 27.0	70 35.6	
28 21	A. 2	—	—	—	—	—	70 04.5	70 26.0	71 59.5	70 39.8	70 47.4		70 36.2
29 03	A. 2	—	—	—	—	—	-69 57.7	-70 16.7	-71 43.0	-70 25.0	-70 35.6	-70 36.2	
October.													
2 21	A. 2	—	-70 48.3	-69 43.8	-70 52.3	-71 21.8	—	—	—	—	-70 41.5	-70 35.6	-70 35.1
3 03	A. 2	—	70 31.7	69 43.3	70 06.0	71 00.3	—	—	—	—	70 20.3	70 38.1	
5 21	A. 2	—	—	—	—	—	-70 04.7	-70 18.0	-71 32.7	-70 36.0	70 37.9			70 36.7
6 03	A. 2	—	—	—	—	—	69 53.0	70 44.3	71 34.0	70 39.7	70 42.7	70 34.9	
9 21	A. 2	—	70 43.3	69 56.3	70 48.7	71 08.7	—	—	—	—	70 39.2			70 31.4
10 03	A. 2	—	70 46.0	69 49.0	70 31.7	71 03.7	—	—	—	—	70 32.8	70 31.5	
12 21	A. 2	—	—	—	—	—	70 09.3	70 17.3	71 33.5	70 31.3	70 37.9			70 35.2
13 03	A. 2	—	—	—	—	—	70 10.7	70 15.3	71 29.3	70 32.0	70 36.9	70 37.7	
16 21	A. 2	—	70 34.3	69 34.3	70 47.0	71 30.2	—	—	—	—	70 36.5			70 31.4
17 03	A. 2	—	70 42.7	69 31.3	70 48.7	71 18.7	—	—	—	—	70 35.4	70 35.2	
19 21	A. 2	—	—	—	—	—	69 30.3	69 50.5	72 09.7	70 38.3	70 32.2			70 37.7
20 03	A. 2	—	—	—	—	—	70 44.0	70 33.8	70 31.0	70 33.7	70 35.6	70 38.8	
23 21	A. 2	—	70 46.3	69 27.7	70 45.3	71 30.7	—	—	—	—	70 37.5			70 40.9
24 03	A. 2	—	70 15.3	69 30.3	70 19.7	71 15.7	—	—	—	—	70 20.2	70 40.7	
26 21	A. 2	—	—	—	—	—	70 05.3	70 17.3	71 40.0	70 41.7	70 41.1		70 34.6
27 03	A. 2	—	—	—	—	—	-70 08.7	-70 13.7	-71 02.7	-70 23.0	70 27.0	70 37.7	
30 21	A. 2	—	70 40.0	69 48.8	70 44.3	71 13.0	—	—	—	—	70 38.7		70 38.8
31 03	A. 2	—	-70 51.5	-69 50.0	-70 26.7	-71 08.8	—	—	—	—	-70 34.2	-70 37.7	
November.													
2 21	A. 2	—	—	—	—	—	-70 13.3	-70 35.7	-71 36.0	-70 15.3	-70 40.1	-70 38.8	70 40.9
3 03	A. 2	—	—	—	—	—	Not observed.				70 37.4	70 40.7	
6 21	A. 2	—	-71 03.7	-69 23.7	-70 35.0	-71 27.3	—	—	—	—	70 31.5		
7 03	A. 2	—	70 56.0	70 03.0	70 48.0	70 19.0	—	—	—	—	70 45.1	70 38.8	
9 21	A. 2	—	—	—	—	—	69 19.3	70 39.0	72 33.3	70 28.7	70 49.6			70 37.7
10 03	A. 2	—	—	—	—	—	71 14.0	69 19.7	70 29.7	72 15.0	70 37.7	70 33.7	
13 21	A. 2	—	70 59.3	69 25.0	70 36.3	71 30.0	—	—	—	—	70 30.3			70 33.7
14 03	A. 2	—	-70 54.0	-69 18.3	-70 27.7	-71 21.3	—	—	—	—	70 30.3	70 33.7	
16 21	A. 2	—	—	—	—	—	-69 52.7	-70 19.0	-71 49.0	-70 15.0	-70 33.7			-70 33.7

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1843.													
D. H.													
Nov.—continued.	17 03	A. 2	0 & 180	—	—	—	—	-69 53.7	-70 24.0	-71 53.3	-70 16.3	-70 36.8	-70 34.0 } -70 37.0 }
	20 21	A. 2	—	-70 50.3	-69 44.0	-70 43.8	-71 07.3	—	—	—	—	70 36.3	
	21 03	A. 2	—	70 49.9	69 39.7	70 26.2	71 01.7	—	—	—	—	70 29.4	
	23 21	A. 2	—	—	—	—	—	69 17.5	70 45.0	72 09.3	69 56.7	70 32.1	
	24 03	A. 2	—	—	—	—	—	Not observed.				70 35.5	
	27 21	A. 2	—	71 14.7	69 13.7	70 27.0	71 40.0	—	—	—	—	70 38.8	
	28 03	A. 2	—	-71 14.7	-69 14.0	-70 33.0	-71 40.0	—	—	—	—	70 40.4	
	30 21	A. 2	—	—	—	—	—	-69 19.3	-70 47.7	-72 04.0	-70 01.3	-70 33.1	
	1 03	A. 2	—	—	—	—	—	-69 29.3	-70 59.3	-72 21.0	-70 27.7	-70 49.3	
	4 21	A. 2	—	-70 42.7	-69 45.3	-70 40.7	-71 01.3	—	—	—	—	70 32.5	
December.	5 03	A. 2	—	70 48.0	69 43.3	70 34.7	71 06.7	—	—	—	—	70 33.2	-70 35.2 } -70 34.0 } -70 38.0 } -70 37.1 } -70 33.3 } -70 34.6 } -70 37.0 } -70 32.3 }
	7 21	A. 2	—	—	—	—	—	69 20.3	70 36.0	72 04.0	70 17.0	70 34.3	
	8 03	A. 2	—	—	—	—	—	69 36.0	70 03.7	72 43.8	70 20.7	70 41.0	
	11 21	A. 2	—	70 46.3	69 44.7	70 42.7	71 06.7	—	—	—	—	70 35.1	
	12 03	A. 2	—	70 40.7	69 57.0	70 19.2	70 46.8	—	—	—	—	70 25.9	
	14 21	A. 2	—	—	—	—	—	70 08.0	70 44.3	71 55.3	70 30.0	70 49.4	
	15 03	A. 2	—	—	—	—	—	69 54.0	70 21.3	71 54.7	70 36.0	70 41.5	
	18 21	A. 2	—	70 41.0	69 41.3	70 37.7	71 02.7	—	—	—	—	70 30.7	
	19 03	A. 2	—	70 43.0	69 42.3	70 33.0	70 48.3	—	—	—	—	70 26.7	
	21 21	A. 2	—	—	—	—	—	70 11.3	70 24.3	71 41.0	70 25.0	70 40.4	
	22 03	A. 2	—	—	—	—	—	69 47.0	70 35.7	71 30.0	70 29.0	70 35.2	
	25 21	A. 2	—	70 42.3	69 55.0	70 35.7	70 51.3	—	—	—	—	70 31.1	
	26 03	A. 2	—	-70 50.3	-69 39.3	-70 25.7	-71 11.7	—	—	—	—	70 31.7	
	28 21	A. 2	—	—	—	—	—	69 25.0	71 04.0	72 49.7	69 27.3	70 41.5	
	29 03	A. 2	—	—	—	—	—	-69 25.0	-70 46.7	-72 41.5	-70 02.0	-70 43.8	
1844.													
January.	1 21	A. 2	—	-70 48.3	-69 29.3	-70 14.3	-70 59.3	—	—	—	—	-70 22.8	-70 33.0 } -70 36.4 } -70 37.1 } -70 37.5 } -70 35.9 } -70 34.8 } -70 34.5 } -70 35.5 } -70 35.1 } -70 35.3 } -70 33.3 } -70 36.7 } -70 35.3 } -70 27.1 } -70 36.7 }
	2 03	A. 2	—	71 05.0	69 15.0	70 24.3	70 40.3	—	—	—	—	70 21.1	
	4 21	A. 2	—	—	—	—	—	-70 01.7	-70 22.7	-70 03.3	-70 38.0	70 46.4	
	5 03	A. 2	—	—	—	—	—	69 49.7	70 22.7	71 52.7	70 41.7	70 41.7	
	8 21	A. 2	—	70 39.3	69 40.7	70 33.0	71 04.7	—	—	—	—	70 29.4	
	9 03	A. 2	—	69 53.0	70 43.0	71 00.0	70 17.0	—	—	—	—	70 28.2	
	11 21	A. 2	—	—	—	—	—	70 20.8	70 22.5	71 28.2	70 42.0	70 43.4	
	12 03	A. 2	—	—	—	—	—	70 40.7	70 24.7	71 24.0	70 41.3	70 47.6	
	15 21	A. 2	—	71 45.0	69 29.0	69 39.0	71 02.0	—	—	—	—	70 28.8	
	16 03	A. 2	—	71 37.7	69 32.0	69 45.3	71 06.7	—	—	—	—	70 30.4	
	18 21	A. 2	—	—	—	—	—	70 03.8	70 24.7	70 03.3	70 30.3	70 45.5	
	19 03	A. 2	—	—	—	—	—	69 44.5	70 29.3	72 03.2	70 19.3	70 39.1	
	22 21	A. 2	—	70 54.7	69 36.3	70 23.3	71 01.3	—	—	—	—	70 28.9	
	23 03	A. 2	—	71 01.2	69 29.8	70 11.5	71 00.5	—	—	—	—	70 25.8	
	25 21	A. 2	—	—	—	—	—	70 11.3	70 29.3	71 44.5	70 20.7	70 41.5	
26 03	A. 2	—	—	—	—	—	-70 10.3	-70 30.3	-71 47.0	-70 19.3	-70 41.7		
29 21	A. 2	—	71 24.8	69 12.3	70 25.7	71 02.8	—	—	—	—	70 31.4		
30 03	A. 2	—	-70 57.0	-69 07.8	-70 39.0	-71 06.0	—	—	—	—	-70 27.5		
February.	1 21	A. 2	—	—	—	—	—	-70 08.7	-70 29.3	-71 46.0	-70 29.3	-70 43.3	-70 35.3 } -70 33.3 } -70 36.7 } -70 36.7 } -70 34.8 } -70 41.7 }
	2 03	A. 2	—	—	—	—	—	69 50.0	70 38.3	71 17.3	70 47.7	70 38.3	
	5 21	A. 2	—	-70 58.8	-69 30.7	-70 23.3	-71 12.0	—	—	—	—	70 31.2	
	6 03	A. 2	—	70 59.7	69 17.5	70 17.7	71 18.7	—	—	—	—	70 28.4	
	8 21	A. 2	—	—	—	—	—	69 56.0	70 16.3	71 41.8	70 13.0	70 31.8	
	9 03	A. 2	—	—	—	—	—	70 38.3	70 39.3	71 26.0	70 04.3	70 41.9	
	12 21	A. 2	—	70 53.0	69 49.7	70 49.3	71 11.8	—	—	—	—	70 40.9	
	13 03	A. 2	—	70 43.8	69 46.5	70 43.0	70 55.6	—	—	—	—	70 32.2	
	15 21	A. 2	—	—	—	—	—	69 51.3	70 16.3	71 43.5	70 24.3	70 33.9	
	16 03	A. 2	—	—	—	—	—	69 50.0	70 21.5	70 41.7	70 23.5	70 34.2	
	20 21	A. 2	—	71 06.0	68 55.2	70 12.5	70 45.5	—	—	—	—	70 14.0	
	21 03	A. 2	—	71 30.0	68 57.3	70 25.7	70 52.0	—	—	—	—	70 26.2	
	23 21	A. 2	—	—	—	—	—	69 45.0	71 14.3	71 59.1	70 32.0	70 52.6	
	24 03	A. 2	—	—	—	—	—	70 02.3	70 58.3	71 39.0	70 26.3	70 46.5	
	27 21	A. 2	—	70 47.7	69 57.0	70 06.0	70 55.0	—	—	—	—	70 26.4	
28 03	A. 2	—	-70 31.0	-69 58.8	-70 54.7	-70 39.7	—	—	—	—	70 41.4		
29 21	A. 2	—	—	—	—	—	-70 17.3	-70 22.0	-71 59.3	-70 49.7	-70 52.1		

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.			
			Face of Needle.				Face of Needle.									
			Direct.		Reversed.		Direct.		Reversed.							
			α	α'	α''	α'''	β	β'	β''	β'''						
1844.		0 & 180	°	'	°	'	°	'	°	'	°	'	°	'	°	'
March.	1 03 A. 2		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4 21 A. 2		-70 52.7	-69 24.0	-70 18.3	-70 24.7	—	—	—	—	—	—	—	—	—	—
	5 03 A. 2		70 42.7	69 10.7	69 40.0	71 35.3	—	—	—	—	—	—	—	—	—	—
	7 21 A. 2		—	—	—	—	70 17.3	70 24.7	71 57.3	70 43.7	70 50.7	70 31.7	70 50.7	70 31.7	70 31.7	70 31.7
	8 03 A. 2		—	—	—	—	70 00.0	70 29.6	71 54.3	70 31.7	70 43.9	70 35.1	70 43.9	70 35.1	70 35.1	70 35.1
	11 21 A. 2		70 55.3	70 09.7	70 27.0	70 20.0	—	—	—	—	70 28.0	70 35.1	70 28.0	70 35.1	70 35.1	70 35.1
	12 03 A. 2		70 47.7	69 24.0	70 25.0	70 35.0	—	—	—	—	70 17.9	70 32.8	70 17.9	70 32.8	70 32.8	70 32.8
	14 21 A. 2		—	—	—	—	70 00.0	70 33.7	72 01.0	70 29.0	70 45.7	70 32.8	70 45.7	70 32.8	70 32.8	70 32.8
	15 03 A. 2		—	—	—	—	70 07.0	70 32.0	71 16.7	70 42.7	70 39.6	70 28.1	70 39.6	70 28.1	70 28.1	-70 32.9
	18 21 A. 2		70 52.0	68 44.0	70 05.7	70 54.7	—	—	—	—	70 09.1	70 28.1	70 09.1	70 28.1	70 28.1	70 28.1
	19 03 A. 2		70 53.3	68 48.3	70 21.8	71 08.0	—	—	—	—	70 17.9	70 34.3	70 17.9	70 34.3	70 34.3	70 34.3
	21 21 A. 2		—	—	—	—	70 03.3	70 26.0	72 05.3	70 48.3	70 50.7	70 36.4	70 50.7	70 36.4	70 36.4	70 36.4
	22 03 A. 2		—	—	—	—	—	—	—	—	—	70 36.4	—	70 36.4	70 36.4	70 36.4
	25 21 A. 2		70 44.7	69 23.7	70 27.0	70 53.3	—	—	—	—	70 22.2	70 36.4	70 22.2	70 36.4	70 36.4	70 36.4
26 03 A. 2		-70 53.3	-69 19.0	-70 24.0	-70 44.3	—	—	—	—	70 20.1	70 32.2	70 20.1	70 32.2	70 32.2	70 32.2	
28 21 A. 2		—	—	—	—	71 39.3	70 28.3	69 12.7	69 58.0	70 19.6	70 32.2	70 19.6	70 32.2	70 32.2	70 32.2	
29 03 A. 2		—	—	—	—	-72 50.7	-71 24.0	-70 00.0	-70 13.7	-71 07.1	70 13.0	-71 07.1	70 13.0	70 13.0	70 13.0	
April.	1 21 A. 2		-69 47.3	-68 05.0	-71 44.3	-70 26.7	—	—	—	—	-70 00.8	70 13.0	-70 00.8	70 13.0	70 13.0	70 13.0
	2 03 A. 2		71 31.7	68 10.0	70 11.0	71 46.0	—	—	—	—	70 24.7	70 28.1	70 24.7	70 28.1	70 28.1	70 28.1
	4 21 A. 2		—	—	—	—	-69 13.0	-71 27.5	-71 13.8	-70 47.5	70 40.4	70 28.1	70 40.4	70 28.1	70 28.1	70 28.1
	5 03 A. 2		—	—	—	—	69 24.8	71 37.8	71 54.0	70 49.3	70 46.5	70 39.8	70 46.5	70 39.8	70 39.8	70 39.8
	8 21 A. 2		70 48.3	70 45.3	71 55.7	69 15.0	—	—	—	—	70 41.1	70 39.8	70 41.1	70 39.8	70 39.8	70 39.8
	9 03 A. 2		70 51.0	70 48.3	71 10.0	69 15.0	—	—	—	—	70 31.1	70 39.9	70 31.1	70 39.9	70 39.9	70 39.9
	12 21 A. 2		—	—	—	—	68 59.0	71 00.7	73 25.2	69 32.7	70 44.4	70 39.9	70 44.4	70 39.9	70 39.9	70 39.9
	13 03 A. 2		—	—	—	—	69 35.0	71 02.3	73 14.7	69 00.3	70 43.1	70 18.2	70 43.1	70 18.2	70 18.2	70 18.2
	15 21 A. 2		71 10.3	67 19.7	70 14.3	71 05.7	—	—	—	—	69 57.5	70 18.2	69 57.5	70 18.2	70 18.2	-70 27.4
	16 03 A. 2		71 01.8	67 37.0	69 18.7	71 13.3	—	—	—	—	69 47.7	70 11.2	69 47.7	70 11.2	70 11.2	70 11.2
	18 21 A. 2		—	—	—	—	69 43.0	70 05.0	72 03.0	69 45.3	70 24.1	70 11.2	70 24.1	70 11.2	70 11.2	70 11.2
	19 03 A. 2		—	—	—	—	69 33.0	70 19.5	72 07.0	70 23.0	70 35.6	70 25.9	70 35.6	70 25.9	70 25.9	70 25.9
	22 21 A. 2		69 38.7	70 22.5	70 36.0	70 48.2	—	—	—	—	70 21.3	70 25.9	70 21.3	70 25.9	70 25.9	70 25.9
	23 03 A. 2		70 15.0	70 23.3	70 25.7	70 27.0	—	—	—	—	70 22.8	70 33.1	70 22.8	70 33.1	70 33.1	70 33.1
25 21 A. 2		—	—	—	—	70 29.5	70 29.0	70 46.5	71 33.5	70 49.6	70 33.1	70 49.6	70 33.1	70 33.1	70 33.1	
26 03 A. 2		—	—	—	—	-70 27.5	-70 17.6	-70 33.0	-71 15.8	70 38.5	70 37.3	70 38.5	70 37.3	70 37.3	70 37.3	
29 21 A. 2		71 32.3	68 42.7	69 41.3	71 34.0	—	—	—	—	70 22.5	70 37.3	70 22.5	70 37.3	70 37.3	70 37.3	
30 03 A. 2		-71 21.7	-68 45.7	-70 18.0	-72 08.7	—	—	—	—	-70 38.5	70 33.6	-70 38.5	70 33.6	70 33.6	70 33.6	
May.	2 21 A. 2		—	—	—	—	-69 59.0	-70 12.0	71 44.0	70 33.7	-70 37.2	70 33.6	-70 37.2	70 33.6	70 33.6	70 33.6
	3 03 A. 2		—	—	—	—	70 02.0	70 10.3	71 44.0	70 28.7	70 36.2	-70 35.4	70 36.2	-70 35.4	-70 35.4	-70 35.4
	6 21 A. 2		-70 22.7	-69 29.3	-70 51.7	-71 04.7	—	—	—	—	70 27.1	—	70 27.1	—	—	—
	7 03 A. 2		71 51.0	69 01.3	70 47.5	71 04.0	—	—	—	—	70 40.9	—	70 40.9	—	—	—
	9 21		—	—	—	—	Not observed.				—	—	—	—	—	—
	10 03		—	—	—	—	Not observed.				—	—	—	—	—	—
	13 21 A. 2		70 59.5	69 32.2	69 29.5	71 22.2	—	—	—	—	70 20.6	70 41.4	70 20.6	70 41.4	70 41.4	70 41.4
	14 03 A. 2		70 29.3	69 32.5	71 13.0	71 19.3	—	—	—	—	70 38.5	70 41.4	70 38.5	70 41.4	70 41.4	70 41.4
	16 21 A. 2		—	—	—	—	69 42.5	-71 00.3	-72 23.3	-70 22.7	70 52.2	70 33.6	70 52.2	70 33.6	70 33.6	-70 33.6
	17 03 A. 2		—	—	—	—	69 34.7	71 02.2	72 26.7	70 33.7	70 54.3	70 28.2	70 54.3	70 28.2	70 28.2	70 28.2
	20 21 A. 2		70 31.3	68 44.0	69 44.0	71 16.7	—	—	—	—	70 04.0	70 28.2	70 04.0	70 28.2	70 28.2	70 28.2
	21 03 A. 2		70 31.0	68 29.7	69 42.7	71 26.0	—	—	—	—	70 02.3	70 31.9	70 02.3	70 31.9	70 31.9	70 31.9
	23 21 A. 2		—	—	—	—	69 49.8	71 09.6	72 32.8	70 39.0	71 02.8	70 31.9	71 02.8	70 31.9	70 31.9	70 31.9
	24 03 A. 2		—	—	—	—	69 39.0	71 20.3	72 26.0	70 29.3	70 58.6	70 34.5	70 58.6	70 34.5	70 34.5	70 34.5
27 21 A. 2		70 26.7	68 54.7	70 13.0	71 18.0	—	—	—	—	70 13.1	70 34.5	70 13.1	70 34.5	70 34.5	70 34.5	
28 03 A. 2		-70 44.2	-68 47.3	-70 18.5	-71 04.5	—	—	—	—	70 13.6	70 30.5	70 13.6	70 30.5	70 30.5	70 30.5	
30 21 A. 2		—	—	—	—	69 27.3	71 20.7	72 20.7	70 14.0	70 50.7	70 30.5	70 50.7	70 30.5	70 30.5	70 30.5	
31 03 A. 2		—	—	—	—	-69 07.3	-70 52.3	-72 06.7	-70 08.5	-70 44.7	70 44.8	-70 44.7	70 44.8	70 44.8	70 44.8	
June.	3 21 A. 2		-71 33.8	-68 17.0	-71 15.8	-71 35.0	—	—	—	—	-70 40.4	70 44.8	-70 40.4	70 44.8	70 44.8	70 44.8
	4 03 A. 2		70 47.7	68 28.0	71 10.3	72 28.0	—	—	—	—	70 43.5	70 30.1	70 43.5	70 30.1	70 30.1	70 30.1
	6 21 A. 2		—	—	—	—	-69 27.3	-70 07.0	-72 03.3	-69 42.7	70 20.1	70 30.1	-69 42.7	70 20.1	70 20.1	70 20.1
	7 03 A. 2		—	—	—	—	-69 13.7	-70 09.3	-72 10.3	-69 32.7	70 16.5	70 26.1	-69 32.7	70 16.5	70 16.5	70 16.5
10 21 A. 2		-70 53.3	-69 14.3	-70 31.0	-71 31.7	—	—	—	—	70 32.6	70 26.1	70 32.6	70 26.1	70 26.1	70 26.1	

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1844.													
D. H.		° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
June—continued.		0 & 180	-70 59.7	-69 22.3	-70 24.0	-71 34.7	—	—	—	—	-70 35.2	-70 29.2	-70 33.6
11 03	A. 2		—	—	—	—	-69 41.0	-70 02.7	-72 18.4	-70 06.3	70 32.1	-70 29.2	
13 21	A. 2		—	—	—	—	69 08.0	70 11.7	71 42.7	70 05.7	70 17.0	70 22.2	
14 03	A. 2		—	—	—	—	—	—	—	—	70 22.3	70 22.2	
17 21	A. 2		70 36.7	69 40.0	70 34.3	70 38.3	—	—	—	—	70 17.6	70 37.9	
18 03	A. 2		70 48.0	69 21.4	70 08.0	70 53.0	—	—	—	—	70 53.7	70 37.9	
20 21	A. 2		—	—	—	—	70 04.9	70 37.0	72 09.8	70 43.0	70 53.7	70 35.6	
21 03	A. 2		—	—	—	—	70 05.2	70 41.7	72 17.7	70 47.5	70 58.0	70 35.6	
24 21	A. 2		70 35.7	69 24.3	70 05.0	70 54.3	—	—	—	—	70 14.8	70 35.6	
25 03	A. 2		-70 30.0	-69 28.0	-70 08.0	-70 57.7	—	—	—	—	70 15.9	-70 35.2	
27 21	A. 2		—	—	—	—	70 07.6	70 47.0	72 16.3	70 33.0	70 55.9	-70 35.2	
28 03	A. 2		—	—	—	—	-70 07.7	-70 38.0	-72 21.3	-70 29.7	-70 54.2	-70 35.2	
												-70 41.3	
July.													
1 21	A. 2		-70 43.6	-69 36.2	-70 21.5	-70 53.0	—	—	—	—	-70 23.6	-70 31.6	
2 03	A. 2		70 33.3	69 34.3	70 23.3	71 34.8	—	—	—	—	70 31.4	70 31.6	
4 21	A. 2		—	—	—	—	-70 08.2	-70 28.0	-71 48.7	-70 08.3	70 38.3	70 29.4	
5 03	A. 2		—	—	—	—	69 37.0	70 25.7	71 54.3	70 15.0	70 33.0	70 29.4	
8 21	A. 2		70 24.5	68 58.7	70 02.0	71 16.0	—	—	—	—	70 10.3	70 29.7	
9 03	A. 2		70 59.3	69 03.5	70 21.2	70 59.7	—	—	—	—	70 35.9	70 29.7	
11 21	A. 2		—	—	—	—	69 54.2	70 24.7	71 52.0	70 28.3	70 39.8	70 29.7	
12 03	A. 2		—	—	—	—	69 59.0	70 25.7	71 28.5	70 18.0	70 32.8	70 35.4	
15 21	A. 2		70 50.0	69 19.3	70 23.7	71 11.3	—	—	—	—	70 26.1	70 35.4	-70 30.5
16 03	A. 2		71 17.3	69 16.0	71 12.7	71 05.3	—	—	—	—	70 42.8	70 31.2	
18 21	A. 2		—	—	—	—	69 40.2	70 06.5	71 56.0	69 57.0	70 24.4	70 31.2	
19 03	A. 2		—	—	—	—	69 27.7	70 17.7	72 03.7	70 28.0	70 31.7	70 27.8	
22 21	A. 2		71 08.0	69 05.0	70 14.3	71 23.8	—	—	—	—	70 27.8	70 27.8	
23 03	A. 2		71 06.3	69 04.3	70 15.3	71 23.0	—	—	—	—	70 27.2	70 29.5	
25 21	A. 2		—	—	—	—	70 04.4	70 10.0	71 42.7	70 23.0	70 35.0	70 29.5	
26 03	A. 2		—	—	—	—	-69 46.0	-70 11.0	-71 26.0	-70 29.7	70 28.2	70 28.8	
29 21	A. 2		71 01.2	68 55.0	70 04.0	71 25.0	—	—	—	—	70 21.3	70 28.8	
30 03	A. 2		-71 00.0	-68 54.0	-70 45.5	-71 23.5	—	—	—	—	-70 30.7	-70 31.0	
August.													
1 21	A. 2		—	—	—	—	-70 03.3	-70 06.0	-71 46.0	-70 30.7	-70 36.5	-70 35.8	
2 03	A. 2		—	—	—	—	70 01.0	70 08.7	70 26.3	71 46.0	70 35.5	-70 35.8	
8 21	A. 2		-69 59.3	-70 06.7	-71 41.3	-70 20.0	—	—	—	—	70 31.8	70 31.8	
9 03	A. 2		70 03.0	70 11.0	71 59.9	70 23.5	—	—	—	—	70 39.3	70 31.8	
12 21	A. 2		70 43.8	68 56.7	70 12.3	71 07.3	—	—	—	—	70 15.0	70 31.4	
13 03	A. 2		70 42.7	68 53.3	70 07.3	71 09.3	—	—	—	—	70 13.2	70 31.4	
15 21	A. 2		—	—	—	—	70 08.0	70 28.7	72 15.7	70 35.7	70 52.0	70 27.3	
16 03	A. 2		—	—	—	—	69 46.0	70 30.7	72 08.7	70 37.0	70 45.6	70 27.3	
19 21	A. 2		71 10.2	68 22.0	69 47.0	71 12.8	—	—	—	—	70 08.0	70 30.8	
20 03	A. 2		70 41.0	68 21.0	69 47.7	71 24.7	—	—	—	—	70 03.6	70 30.8	-70 33.3
22 21	A. 2		—	—	—	—	69 41.2	70 56.0	72 32.7	70 25.7	70 53.9	70 37.3	
23 03	A. 2		—	—	—	—	69 41.8	70 04.3	72 31.9	70 32.2	70 57.6	70 37.3	
26 21	A. 2		70 53.8	69 10.0	70 08.0	71 04.2	—	—	—	—	70 19.0	70 37.3	
27 03	A. 2		-70 51.7	-69 07.7	-70 10.0	-71 06.0	—	—	—	—	70 18.8	70 37.5	
29 21	A. 2		—	—	—	—	69 51.0	71 05.3	72 24.3	70 25.7	70 56.6	70 37.5	
30 03	A. 2		—	—	—	—	-69 40.0	-71 03.0	-72 28.3	-70 31.7	-70 37.5	-70 37.5	
September.													
2 21	A. 2		-70 56.7	-68 33.0	-69 55.0	-70 52.0	—	—	—	—	-70 04.2	-70 26.4	
3 03	A. 2		70 50.0	68 22.7	69 53.3	71 13.3	—	—	—	—	70 07.3	-70 26.4	
5 21	A. 2		—	—	—	—	-69 23.0	-70 33.0	-72 30.3	-71 10.0	70 54.1	-70 29.8	
6 03	A. 2		—	—	—	—	69 40.3	70 35.7	72 45.3	70 33.7	70 53.7	70 32.0	
9 21	A. 2		70 36.0	68 54.3	70 14.3	70 53.8	—	—	—	—	70 09.6	70 32.0	
10 03	A. 2		70 38.7	68 54.7	70 15.0	70 55.0	—	—	—	—	70 10.8	70 28.2	
12 21	A. 2		—	—	—	—	70 12.3	70 12.0	71 37.7	70 56.7	70 44.7	70 28.2	
13 03	A. 2		—	—	—	—	-70 24.3	-70 21.0	-71 46.3	-70 40.0	70 47.9	-70 28.7	
16 21	A. 2		70 52.0	68 42.0	70 04.3	71 20.0	—	—	—	—	70 14.6	-70 28.7	
17 03	A. 2		-70 41.7	-68 43.7	-69 49.0	-71 16.0	—	—	—	—	70 07.6	-70 28.7	-70 30.9

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1845.													
D. H.													
7 19	A. 2	0 & 180	-70 32.3	-67 35.0	-70 08.8	-71 13.4	-70 16.0	-70 23.0	-71 34.4	-70 58.0	-70 20.2	-70 20.2	
7 20	A. 1	—	73 32.6	74 21.0	73 23.0	73 42.5	67 39.7	71 11.0	65 24.1	66 11.6	70 40.7	70 40.7	
7 21	A. 2	—	70 36.7	68 42.6	70 35.2	71 08.5	70 07.3	70 38.0	71 28.6	70 30.0	70 28.4	70 28.4	
8 01	K. 1	—	70 26.2	70 23.8	70 57.3	70 43.6	70 32.4	70 20.2	70 35.3	70 46.2	70 35.6	70 35.6	
8 03	K. 2	—	70 54.6	70 14.7	70 17.8	70 59.0	70 22.0	70 09.6	70 59.8	70 59.0	70 37.0	70 37.0	
8 20	K. 3	—	70 31.8	70 40.8	70 41.4	70 33.3	70 42.7	70 30.6	70 40.7	70 38.7	70 37.5	70 37.5	
8 21	K. 4	—	71 39.8	71 12.3	71 06.5	71 42.5	69 56.6	69 47.2	70 08.0	69 59.3	70 41.5	70 41.5	
9 21	A. 2	—	—	—	—	—	70 23.0	70 58.2	72 24.0	70 33.0	71 04.5		
10 03	A. 2	—	—	—	—	—	70 04.7	70 59.1	72 05.8	70 46.0	70 58.9		
13 21	A. 2	—	70 41.2	69 03.3	70 28.7	70 43.3	—	—	—	—	70 14.1		
14 03	A. 2	—	70 27.5	68 58.2	70 18.2	70 46.5	—	—	—	—	70 07.6		
16 21	A. 2	—	—	—	—	—	70 12.5	70 33.3	71 52.7	71 06.3	70 56.2	70 31.1	-70 35.4
17 03	A. 2	—	—	—	—	—	70 05.0	70 32.5	71 55.5	70 33.2	70 46.5	70 43.9	
20 21	A. 2	—	70 29.3	69 53.7	70 48.7	71 33.7	—	—	—	—	70 41.3		
21 03	A. 2	—	70 28.7	69 38.3	70 45.0	71 14.8	—	—	—	—	70 31.7	70 40.2	
23 21	A. 2	—	—	—	—	—	70 05.2	70 10.3	71 38.0	70 59.7	70 43.3		
24 03	A. 2	—	—	—	—	—	69 54.5	71 11.3	71 38.5	70 13.2	70 44.4	70 30.1	
27 21	A. 2	—	70 33.8	69 31.3	70 32.4	70 34.2	—	—	—	—	70 18.0		
28 03	A. 2	—	-70 30.3	-69 33.3	-70 28.3	-70 27.7	—	—	—	—	70 14.9	70 37.6	
30 21	A. 2	—	—	—	—	—	72 37.3	70 21.7	71 21.0	69 02.0	70 50.5		
31 03	A. 2	—	—	—	—	—	-72 09.0	-70 30.8	-71 15.0	-70 33.7	-71 07.1	-70 35.5	
3 21	A. 2	—	-70 23.3	-69 21.0	-70 46.7	-70 29.7	—	—	—	—	-70 15.2		
4 03	A. 2	—	70 40.7	69 13.5	70 19.5	70 13.7	—	—	—	—	70 09.1	70 31.8	
6 21	A. 2	—	—	—	—	—	-70 31.5	-70 24.6	-71 34.7	-70 49.3	70 50.2		
7 03	A. 2	—	—	—	—	—	70 24.5	69 57.3	71 53.0	71 16.5	70 52.8	70 35.7	
10 21	A. 2	—	70 36.3	69 32.5	70 39.0	70 27.8	—	—	—	—	70 18.9		
11 03	A. 2	—	70 31.3	69 35.2	70 48.0	70 29.3	—	—	—	—	70 21.0	70 29.5	
13 21	A. 2	—	—	—	—	—	70 51.0	70 14.0	70 37.0	71 06.3	70 42.1		
14 03	A. 2	—	—	—	—	—	70 49.5	69 49.7	70 42.8	71 01.2	70 35.8	70 29.6	-70 32.2
17 21	A. 2	—	70 18.3	69 53.8	70 47.3	70 27.8	—	—	—	—	70 21.8		
18 03	A. 2	—	70 20.5	69 47.7	70 42.5	70 24.0	—	—	—	—	70 18.7	70 28.7	
20 21	A. 2	—	—	—	—	—	70 29.3	69 48.7	71 07.2	70 59.7	70 36.2		
21 03	A. 2	—	—	—	—	—	70 46.0	69 47.0	71 07.0	70 52.7	70 38.1	70 31.6	
24 21	A. 2	—	70 17.0	70 04.0	70 47.3	70 34.3	—	—	—	—	70 25.6		
25 03	A. 2	—	-70 25.0	-70 01.0	-70 52.7	-70 27.0	—	—	—	—	70 26.4	70 35.1	
27 21	A. 2	—	—	—	—	—	69 58.5	70 17.7	71 54.3	70 54.3	70 46.2		
28 03	A. 2	—	—	—	—	—	-70 07.0	-69 56.7	-71 50.0	-70 55.0	-70 42.2	-70 34.0	
3 21	A. 2	—	-70 28.0	-69 53.3	-70 42.0	-70 27.5	—	—	—	—	-70 22.7		
4 03	A. 2	—	70 35.0	69 52.5	70 43.0	70 29.7	—	—	—	—	70 25.0	70 40.3	
6 21	A. 2	—	—	—	—	—	-70 23.3	-70 25.5	-72 02.3	-70 50.0	70 55.3		
7 03	A. 2	—	—	—	—	—	70 21.7	70 27.0	72 02.3	71 01.8	70 58.2	70 34.5	
10 21	A. 2	—	70 29.3	69 36.0	70 20.0	70 31.0	—	—	—	—	70 14.1		
11 03	A. 2	—	70 29.0	69 29.2	70 23.7	70 19.0	—	—	—	—	70 10.2	70 26.7	-70 33.6
13 21	A. 2	—	—	—	—	—	70 23.3	70 36.3	71 10.8	70 50.0	70 45.1		
14 03	A. 2	—	—	—	—	—	70 19.0	70 29.3	70 48.7	70 53.0	70 37.5	70 30.7	
17 21	A. 2	—	70 30.0	69 33.8	70 23.0	70 44.0	—	—	—	—	70 17.7		
18 03	A. 2	—	70 57.0	69 31.0	70 16.0	70 45.0	—	—	—	—	70 22.5		
24 21	A. 2	—	70 54.6	69 37.7	70 11.5	70 29.0	—	—	—	—	70 18.2		
25 03	A. 2	—	70 55.0	69 39.0	70 16.3	70 31.5	—	—	—	—	70 20.5	-70 35.6	
27 21	A. 2	—	—	—	—	—	-70 25.2	-70 28.0	-71 38.7	-70 51.0	-70 50.7		
28 03	A. 2	—	—	—	—	—	Omitted.				-70 17.0		
31 21	A. 2	—	-70 40.0	-69 42.5	-70 03.0	-70 42.7	—	—	—	—	-70 17.0	-70 32.9	
1 03	A. 2	—	-70 32.3	-69 59.7	-70 19.7	-70 26.7	—	—	—	—	-70 19.6		
4 21	A. 2	—	—	—	—	—	-70 25.8	-70 31.7	-71 46.7	-70 42.7	70 51.7		
5 03	A. 2	—	—	—	—	—	69 58.0	71 06.0	71 14.0	70 35.0	70 43.2	70 33.3	
7 21	A. 2	—	70 46.3	69 32.5	70 40.0	70 36.0	—	—	—	—	70 23.7		
8 03	A. 2	—	-70 25.5	-69 31.8	-70 36.8	-70 24.0	—	—	—	—	70 14.5	-70 31.6	
10 21	A. 2	—	—	—	—	—	-70 03.5	-70 40.0	-71 47.3	-70 34.0	-70 46.2		

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1845.													
D. H.		° °	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
11 03	A. 2	0 & 180	—	—	—	—	—	—	—	—	—	—	—
14 21	A. 2	—	-70 57.0	-69 03.0	-70 40.0	-71 04.7	—	—	—	—	—	—	—
15 03	A. 2	—	71 06.3	70 20.0	69 36.7	70 50.7	—	—	—	—	—	—	—
17 21	A. 2	—	—	—	—	—	70 08.0	70 21.3	72 05.9	70 30.5	70 46.4	70 42.1	-70 33.6
18 03	A. 2	—	—	—	—	—	70 42.0	70 41.7	71 52.3	70 14.3	71 07.6	70 34.9	—
21 21	A. 2	—	70 36.3	70 57.0	69 09.3	71 10.0	—	—	—	—	70 28.1	70 34.2	—
22 03	A. 2	—	70 41.7	68 34.3	69 33.2	71 01.2	—	—	—	—	69 57.6	70 34.2	—
24 21	A. 2	—	—	—	—	—	70 16.8	70 26.3	71 58.7	70 39.0	70 50.2	70 47.1	—
25 03	A. 2	—	—	—	—	—	-70 39.2	-70 38.7	-71 55.3	-70 50.2	71 00.8	70 22.9	—
29 21	A. 2	—	71 11.3	69 47.5	69 40.0	70 52.7	—	—	—	—	70 22.9	70 34.7	—
30 03	A. 2	—	-70 49.7	-70 34.3	-70 52.7	-71 21.3	—	—	—	—	-70 54.5	70 34.7	—
1 21	A. 2	—	—	—	—	—	-69 56.8	-70 04.5	-71 22.2	-70 16.8	-70 25.1	70 25.6	—
2 03	A. 2	—	—	—	—	—	70 08.7	70 20.3	71 24.7	70 31.7	70 36.4	70 25.6	—
6 21	A. 2	—	-69 54.7	-70 35.0	-69 34.7	-71 37.3	—	—	—	—	70 25.4	70 26.5	—
7 03	A. 2	—	69 11.3	70 31.8	69 43.0	71 36.3	—	—	—	—	70 15.6	70 26.5	—
8 21	A. 2	—	—	—	—	—	70 20.8	70 47.3	70 45.8	70 53.0	70 34.2	70 17.6	—
9 03	A. 2	—	—	—	—	—	70 21.3	70 31.5	70 48.3	70 22.2	70 30.8	70 26.3	—
12 21	A. 2	—	70 23.3	70 21.0	68 33.0	70 16.6	—	—	—	—	69 53.5	70 28.5	—
13 03	A. 2	—	69 11.5	70 21.3	70 09.3	71 22.3	—	—	—	—	70 16.1	70 26.3	—
15 21	A. 2	—	—	—	—	—	70 48.3	70 19.0	70 14.3	71 20.3	70 40.5	70 38.5	—
16 03	A. 2	—	—	—	—	—	70 37.7	69 39.7	70 40.0	72 43.7	70 55.3	70 28.5	—
19 21	A. 2	—	70 31.0	70 08.3	70 21.7	70 39.0	—	—	—	—	70 33.3	70 36.6	—
20 03	A. 2	—	70 40.6	70 00.0	70 16.0	70 41.8	—	—	—	—	70 24.8	70 36.6	—
22 21	A. 2	—	—	—	—	—	70 22.5	70 30.7	71 18.7	70 44.7	70 44.0	70 17.1	—
23 03	A. 2	—	—	—	—	—	70 24.0	70 33.1	71 19.3	70 41.0	70 44.3	70 17.1	—
26 21	A. 2	—	68 12.5	70 47.0	69 52.0	70 11.0	—	—	—	—	69 45.6	70 29.3	—
27 03	A. 2	—	-70 06.0	-70 45.7	-68 43.0	-70 15.0	—	—	—	—	69 57.7	70 29.3	—
29 21	A. 2	—	—	—	—	—	69 59.3	70 45.0	72 09.8	70 30.0	70 51.0	70 39.1	—
30 03	A. 2	—	—	—	—	—	-70 05.3	-71 51.3	-72 03.7	-71 28.7	-71 23.0	70 39.1	—
2 21	A. 2	—	-69 23.0	-70 06.3	-70 02.3	-70 47.0	—	—	—	—	-70 19.6	70 44.0	—
3 03	A. 2	—	69 28.3	70 32.7	70 41.0	69 29.3	—	—	—	—	70 02.8	70 44.0	—
5 21	A. 2	—	—	—	—	—	-71 53.7	-70 44.0	-71 52.7	-70 29.0	71 29.8	70 46.8	—
6 03	A. 2	—	—	—	—	—	71 09.0	70 20.3	70 27.7	72 19.3	71 04.0	70 46.8	—
9 21	A. 2	—	70 39.3	69 20.5	70 12.3	70 38.7	—	—	—	—	70 12.7	70 30.5	—
10 03	A. 2	—	71 08.0	70 03.3	69 46.7	70 24.7	—	—	—	—	70 20.6	70 30.5	—
13 21	A. 2	—	—	—	—	—	72 19.3	68 45.7	70 38.7	71 32.3	70 49.0	70 29.3	—
14 03	A. 2	—	—	—	—	—	70 31.0	68 58.7	70 43.2	72 25.8	70 39.7	70 29.3	—
16 21	A. 2	—	70 27.8	69 55.5	70 09.0	70 26.0	—	—	—	—	70 14.6	70 35.4	—
17 03	A. 2	—	71 24.3	69 56.7	69 37.3	69 04.6	—	—	—	—	70 14.1	70 25.6	—
19 21	A. 2	—	—	—	—	—	69 57.3	69 57.3	72 16.3	70 37.7	70 50.2	70 25.6	—
20 03	A. 2	—	—	—	—	—	70 19.3	70 37.7	70 30.0	70 08.0	70 23.7	70 25.9	—
23 21	A. 2	—	70 35.7	69 47.5	70 13.0	70 29.7	—	—	—	—	70 16.5	70 25.9	—
24 03	A. 2	—	70 29.3	69 36.7	70 17.7	70 29.7	—	—	—	—	70 13.3	70 39.9	—
26 21	A. 2	—	—	—	—	—	71 55.7	71 13.3	70 46.7	70 48.0	71 10.9	70 41.4	—
27 03	A. 2	—	—	—	—	—	-71 38.5	-71 04.5	-70 44.7	-70 27.5	70 58.9	70 41.4	—
30 21	A. 2	—	-70 47.2	-69 42.5	-70 08.0	-70 32.5	—	—	—	—	-70 17.5	70 41.4	—
1 03	A. 2	—	-70 48.2	-69 26.5	-70 23.8	-70 35.5	—	—	—	—	-70 18.5	70 41.8	—
1 22	A. 2	—	73 00.0	73 05.0	68 50.0	68 42.0	-72 26.0	-72 46.0	-68 15.2	-68 30.0	70 41.8	70 41.8	—
2 00	A. 2	—	70 46.0	69 25.2	70 05.0	71 20.0	69 54.5	70 39.0	72 00.2	70 48.0	70 37.3	70 37.3	—
2 01	K. 1	—	70 40.0	70 32.0	70 45.0	70 30.8	70 26.2	70 55.0	70 30.6	70 35.2	70 36.8	70 36.8	—
2 03	K. 2	—	70 47.0	70 30.0	70 23.0	70 59.0	70 35.2	70 46.0	70 59.0	70 23.0	70 40.2	70 40.2	—
2 21	K. 3	—	70 32.0	70 35.0	70 40.0	70 34.0	70 45.8	70 35.0	70 40.0	70 36.0	70 37.2	70 37.2	—
2 23	K. 4	—	71 10.0	71 04.0	71 08.0	71 32.0	70 00.0	69 52.0	70 03.0	70 05.5	70 36.8	70 36.8	—
3 21	A. 2	—	—	—	—	—	70 08.3	70 33.3	71 37.0	70 41.2	70 44.9	70 36.2	—
4 03	A. 2	—	—	—	—	—	70 20.0	70 28.3	71 27.3	70 21.7	70 41.3	70 36.2	—
7 21	A. 2	—	70 48.3	69 38.7	70 08.5	71 28.7	—	—	—	—	70 31.0	70 36.2	—
8 03	A. 2	—	-70 57.0	-69 48.7	-70 28.0	-70 36.3	—	—	—	—	70 27.5	70 39.3	—
10 21	A. 2	—	—	—	—	—	-70 21.2	-70 13.7	-71 53.9	-71 02.0	70 52.7	70 39.3	—

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.	
			Face of Needle.				Face of Needle.							
			Direct.		Reversed.		Direct.		Reversed.					
			α	α'	α''	α'''	β	β'	β''	β'''				
1845.														
D. H.		° °	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
July		0 & 180												
11 03	A. 2		—	—	—	—	—70 10.0	—70 14.0	—71 54.0	—71 04.7	—70 45.7	—70 29.2	—70 36.1	
14 21	A. 2		—70 33.7	—69 29.2	—70 00.0	—70 33.2	—	—	—	—	70 09.0			
15 03	A. 2		70 46.0	68 53.3	70 11.3	70 48.0	—	—	—	—	70 09.6			
17 21	A. 2		—	—	—	—	70 25.0	70 11.0	72 09.8	70 55.0	70 55.2	70 33.4		
18 03	A. 2		—	—	—	—	70 08.6	70 16.8	72 12.7	71 19.7	70 59.7	70 39.6		
21 21	A. 2		70 35.0	69 42.5	70 23.0	70 26.5	—	—	—	—	70 16.8			
22 03	A. 2		70 43.0	69 46.7	70 53.7	70 24.5	—	—	—	—	70 26.9			
24 21	A. 2		—	—	—	—	70 29.7	70 25.0	72 20.2	70 41.0	70 58.9	70 38.1		
25 03	A. 3		—	—	—	—	69 56.0	70 25.0	72 22.3	70 36.0	70 49.9	70 31.2		
28 21	A. 2		69 05.0	70 44.7	70 29.0	69 56.3	—	—	—	—	70 03.7			
29 03	A. 2		—69 14.0	—70 46.5	—70 34.7	—70 05.0	—	—	—	—	70 12.5	—70 28.6		
31 21	A. 2		—	—	—	—	—70 14.5	—70 28.2	—72 06.0	—70 44.7	—70 53.3			
August														
1 03	A. 2		—	—	—	—	—70 18.2	—70 36.0	—71 52.3	—70 14.0	—70 45.1	70 28.1		
4 21	A. 2		—70 35.0	—69 09.7	—70 12.3	—70 18.5	—	—	—	—	70 03.9			
5 03	A. 2		70 26.3	69 07.7	70 18.8	70 48.0	—	—	—	—	70 10.2			
7 21	A. 2		—	—	—	—	70 09.8	70 29.0	72 02.7	71 01.0	70 55.6	70 28.8		
8 03	A. 2		—	—	—	—	70 06.2	70 28.8	72 05.3	70 47.7	70 45.5	70 27.8		
11 21	A. 2		70 27.3	69 29.3	70 31.0	69 58.0	—	—	—	—	70 06.4			
12 03	A. 2		70 33.5	69 20.5	70 11.0	70 10.7	—	—	—	—	70 03.9			
14 21	A. 2		—	—	—	—	70 18.7	70 44.3	72 43.3	70 37.0	71 05.8	70 27.9	70 28.9	
15 03	A. 2		—	—	—	—	70 01.0	70 44.0	72 32.0	70 45.0	70 35.5	70 29.7		
18 21	A. 2		70 27.0	69 25.0	69 50.0	70 36.7	—	—	—	—	69 59.1			
19 03	A. 2		70 56.0	68 53.7	70 27.7	70 59.7	—	—	—	—	70 19.3	70 35.4		
21 21	A. 2		—	—	—	—	70 09.3	70 30.7	72 12.7	71 52.3	71 11.5			
22 03	A. 2		—	—	—	—	70 02.0	70 26.7	72 19.7	70 38.7	70 51.8	70 30.2		
25 21	A. 2		70 51.3	68 57.5	70 03.0	70 02.5	—	—	—	—	69 58.6			
26 03	A. 2		—70 39.2	—68 56.2	—69 54.0	—70 26.3	—	—	—	—	69 59.0	70 23.6		
28 21	A. 2		—	—	—	—	70 17.3	70 37.0	71 28.0	70 47.7	70 47.5			
29 03	A. 2		—	—	—	—	—70 20.7	—70 29.0	—71 40.0	—70 48.0	—70 49.4	—70 23.4		
September														
1 21	A. 2		—70 39.0	—69 25.7	—70 03.0	—70 05.0	—	—	—	—	—70 03.2			
2 03	A. 2		71 05.0	68 56.5	69 24.9	70 08.0	—	—	—	—	69 53.6	70 16.4		
4 21	A. 2		—	—	—	—	—70 02.5	—70 35.7	—70 55.2	—71 00.7	70 38.5			
5 03	A. 2		—	—	—	—	70 20.3	70 35.0	70 44.0	70 22.0	70 30.3	70 16.1		
8 21	A. 2		70 42.7	68 27.7	70 16.0	70 28.3	—	—	—	—	69 58.7			
9 03	A. 2		70 39.7	68 30.3	70 33.5	70 04.0	—	—	—	—	69 56.9	70 21.2		
11 21	A. 2		—	—	—	—	70 11.5	70 27.2	71 54.2	70 52.0	70 51.2			
12 03	A. 2		—	—	—	—	70 16.0	70 15.7	71 37.0	70 23.7	70 38.1	70 29.8	—70 24.9	
15 21	A. 2		70 38.7	69 51.0	70 34.0	70 02.0	—	—	—	—	70 16.4			
16 03	A. 2		70 41.7	69 45.0	70 13.0	70 15.0	—	—	—	—	70 13.6	70 32.7		
18 21	A. 2		—	—	—	—	70 44.3	70 45.7	71 10.3	71 02.7	70 55.8			
19 03	A. 2		—	—	—	—	70 24.7	70 33.0	71 20.7	70 42.1	70 45.1	70 37.7		
22 21	A. 2		70 39.0	69 52.0	70 29.7	70 30.3	—	—	—	—	70 24.8			
23 03	A. 2		70 49.0	69 52.0	70 31.0	70 28.5	—	—	—	—	70 25.1	70 25.5		
25 21	A. 2		—	—	—	—	70 24.7	70 04.3	71 05.5	70 33.7	70 17.5			
26 03	A. 2		—	—	—	—	—70 25.3	—70 04.3	—71 04.3	—70 44.3	70 34.5	70 20.0		
29 21	A. 2		70 32.0	69 32.8	70 48.5	70 15.3	—	—	—	—	70 17.1			
30 03	A. 2		—70 35.7	—69 27.0	—70 24.0	—70 17.3	—	—	—	—	—70 11.0	—70 26.4		
October														
2 21	A. 2		—	—	—	—	—70 14.9	—70 13.0	—71 36.3	—70 45.5	—70 42.4			
3 03	A. 2		—	—	—	—	70 10.7	70 17.0	71 26.3	70 27.0	70 35.2	70 33.8		
6 21	A. 2		—70 35.3	—69 55.0	—70 47.3	—70 44.0	—	—	—	—	70 30.4			
7 03	A. 2		70 35.7	69 54.3	70 44.0	70 34.7	—	—	—	—	70 27.2	70 39.5		
9 21	A. 2		—	—	—	—	70 15.3	70 31.7	71 52.7	70 55.7	70 53.9			
10 03	A. 2		—	—	—	—	70 07.3	70 24.0	71 49.3	70 45.3	70 46.5	70 29.5		
13 21	A. 2		70 40.7	69 28.7	70 20.0	70 10.7	—	—	—	—	70 10.0			
14 03	A. 2		70 48.5	69 12.5	70 11.8	70 18.5	—	—	—	—	70 07.8	70 28.5		
16 21	A. 2		—	—	—	—	70 09.8	70 43.7	71 54.0	70 43.0	70 52.6			
17 03	A. 2		—	—	—	—	—70 09.8	—70 11.5	—71 50.5	—70 42.5	70 43.6	—70 31.1	—70 32.8	
20 21	A. 2		—70 39.7	—69 47.0	—70 22.7	—70 34.3	—	—	—	—	—70 20.9			

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1845.													
<i>Oct. — continued.</i>		0 & 180	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /	° /
21 03	A. 2	—	-70 13.3	-69 47.7	-69 54.0	-70 33.7	—	—	—	—	-70 07.2	-70 33.2	
23 21	A. 2	—	—	—	—	—	-69 46.8	-70 40.0	-71 58.0	-70 35.7	70 45.1		
24 03	A. 2	—	—	—	—	—	70 27.0	70 31.0	71 45.7	71 15.0	70 59.7	70 34.6	
27 21	A. 2	—	70 50.7	69 08.0	70 35.0	70 46.0	—	—	—	—	70 19.9		
28 03	A. 2	—	-70 47.7	-69 06.5	-70 14.7	-70 46.0	—	—	—	—	70 13.7		
30 21	A. 2	—	—	—	—	—	69 50.8	70 38.7	71 58.0	70 52.3	70 49.9	70 32.0	
31 03	A. 2	—	—	—	—	—	-69 45.7	-70 12.7	-72 18.2	-70 43.0	-70 44.6	-70 28.4	
<i>November.</i>													
3 21	A. 2	—	-70 58.0	-69 04.6	-69 45.7	-70 38.7	—	—	—	—	-70 06.7		
4 03	A. 2	—	71 06.3	69 01.0	69 51.7	70 51.0	—	—	—	—	70 12.5		
6 21	A. 2	—	—	—	—	—	-70 23.8	-70 51.3	-71 54.7	-70 34.1	70 55.8	70 31.2	
7 03	A. 2	—	—	—	—	—	70 06.0	70 52.0	71 55.0	70 25.7	70 49.7	70 28.0	
10 21	A. 2	—	71 04.0	68 25.0	69 29.0	70 40.5	—	—	—	—	69 54.6		
11 03	A. 2	—	71 07.7	68 48.0	69 44.7	71 08.0	—	—	—	—	70 12.1		
13 21	A. 2	—	—	—	—	—	69 58.0	71 05.5	72 19.0	70 27.0	70 57.4		
14 03	A. 2	—	—	—	—	—	70 02.0	71 02.7	72 21.3	69 53.7	70 49.9	70 33.3	-70 28.2
17 21	A. 2	—	71 02.3	69 23.3	69 43.7	71 10.3	—	—	—	—	70 19.9		
18 03	A. 2	—	70 47.0	69 20.7	69 34.6	70 41.7	—	—	—	—	70 06.0		
20 21	A. 2	—	—	—	—	—	69 45.3	70 45.0	71 45.7	70 53.3	70 47.6		
21 03	A. 2	—	—	—	—	—	70 14.7	70 28.0	70 51.3	70 48.2	70 35.5	70 22.7	
25 21	A. 2	—	70 58.5	68 54.0	69 36.0	70 42.5	—	—	—	—	70 02.8		
26 03	A. 2	—	-70 52.3	-68 50.3	-69 45.0	-70 45.7	—	—	—	—	70 04.8		
27 21	A. 2	—	—	—	—	—	70 08.7	70 47.3	71 53.3	70 43.3	70 53.2	70 28.1	
28 03	A. 2	—	—	—	—	—	-70 06.3	-70 55.5	-71 53.3	-70 31.5	-70 51.6	-70 26.7	
<i>December.</i>													
1 21	A. 2	—	-70 37.0	-69 04.2	-69 58.5	-70 29.0	—	—	—	—	-70 02.2		
2 03	A. 2	—	70 26.3	69 19.7	69 53.7	70 20.0	—	—	—	—	69 59.9		
4 21	A. 2	—	—	—	—	—	-70 11.5	-71 12.7	-72 32.5	-70 41.7	71 09.6	70 36.0	
5 03	A. 2	—	—	—	—	—	69 50.3	72 29.0	70 18.7	70 21.7	71 12.4		
8 21	A. 2	—	70 54.7	69 19.2	70 13.7	70 15.2	—	—	—	—	70 10.7	70 40.0	
9 03	A. 2	—	70 54.3	69 14.7	69 46.8	70 26.7	—	—	—	—	70 07.5		
11 21	A. 2	—	—	—	—	—	69 44.2	70 46.0	72 40.0	70 54.0	71 01.0	70 33.0	
12 03	A. 2	—	—	—	—	—	69 44.0	70 30.7	72 38.3	70 35.3	70 52.8		
15 21	A. 2	—	70 53.3	68 34.0	69 55.0	70 48.8	—	—	—	—	70 02.8		
16 03	A. 2	—	70 51.0	68 34.0	69 49.5	70 15.5	—	—	—	—	69 52.5		
18 21	A. 2	—	—	—	—	—	69 55.2	70 43.7	72 46.7	71 03.0	71 07.2	70 33.1	-70 34.0
19 03	A. 2	—	—	—	—	—	69 49.6	70 57.5	72 54.5	70 57.5	71 09.8		
22 21	A. 2	—	70 32.7	69 34.7	70 12.0	70 27.3	—	—	—	—	70 11.7		
23 03	A. 2	—	70 37.0	69 31.7	69 45.7	70 15.7	—	—	—	—	70 02.5		
25 21	A. 2	—	—	—	—	—	70 08.5	70 39.7	72 06.8	70 44.0	70 54.7		
26 03	A. 2	—	—	—	—	—	-70 13.0	-71 04.0	-72 06.2	-70 36.7	70 59.9	-70 32.9	
29 21	A. 2	—	70 46.3	69 17.2	70 23.7	70 46.7	—	—	—	—	70 18.5		
30 03	A. 2	—	-70 45.7	-69 11.5	-69 18.7	-70 36.3	—	—	—	—	-69 58.5		
1846.													
<i>January.</i>													
1 21	A. 2	—	—	—	—	—	-69 59.5	-70 45.3	-72 29.3	-71 10.5	-71 06.2	-70 34.9	
2 03	A. 2	—	—	—	—	—	69 52.7	70 32.3	72 25.7	70 55.7	70 56.6		
5 21	A. 2	—	-69 18.0	-70 50.3	-70 39.0	-69 45.0	—	—	—	—	70 08.1		
6 03	A. 2	—	69 17.5	70 49.5	70 39.0	70 04.5	—	—	—	—	70 12.6		
8 21	A. 2	—	—	—	—	—	70 09.7	71 05.7	72 10.7	70 29.3	70 58.8	70 34.2	
9 03	A. 2	—	—	—	—	—	70 03.5	71 00.5	72 12.0	70 33.5	70 57.4		
12 21	A. 2	—	70 48.0	69 00.3	69 45.5	70 35.0	—	—	—	—	70 02.2		
13 03	A. 2	—	70 40.6	69 02.0	69 42.3	70 36.0	—	—	—	—	70 00.2		
15 21	A. 2	—	—	—	—	—	70 02.2	71 02.0	72 10.0	70 42.5	70 59.2	70 30.2	
16 03	A. 2	—	—	—	—	—	70 05.8	71 04.7	72 07.5	70 39.0	70 59.2		
19 21	A. 2	—	70 27.5	69 00.5	70 02.5	70 28.2	—	—	—	—	69 59.7		
20 03	A. 2	—	70 25.7	69 02.0	70 11.7	70 22.7	—	—	—	—	70 00.5	70 14.5	-70 32.4
22 21	A. 2	—	—	—	—	—	70 03.0	70 27.3	70 58.3	71 00.0	70 37.2		
23 03	A. 2	—	—	—	—	—	69 56.3	70 02.7	71 00.0	70 22.5	70 20.4		
26 21	A. 2	—	71 05.3	69 01.0	70 47.3	70 41.8	—	—	—	—	70 23.9		
27 03	A. 2	—	-70 39.0	-68 57.0	-70 24.5	-70 35.8	—	—	—	—	70 09.4	-70 29.6	
29 21	A. 2	—	—	—	—	—	69 06.0	71 43.7	72 34.0	69 48.7	70 48.1		
30 03	A. 2	—	—	—	—	—	-69 05.0	-71 45.7	-71 37.0	-70 01.0	-70 37.2		

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
			Face of Needle				Face of Needle						
			Direct.		Reversed.		Direct.		Reversed.				
			α	α'	α''	α'''	β	β'	β''	β'''			
1846.													
D. H.													
Jan. — contd.	8 01	A. 1	0 & 180	-72 51.7	-73 11.3	-68 54.7	-68 35.0	-72 24.0	-72 57.0	-68 05.8	-68 36.0	-70 41.9	-70 41.9
	8 03	A. 2	—	70 52.0	69 12.5	70 01.5	71 17.7	69 53.7	70 27.0	72 15.7	70 45.7	70 35.7	70 35.7
	9 00	K. 1	—	70 42.4	70 27.8	70 51.7	70 29.5	70 20.3	70 57.0	70 22.3	70 33.8	70 35.6	70 35.6
	9 02	K. 2	—	70 45.0	70 25.0	70 24.3	71 10.0	70 34.3	70 42.0	70 52.0	70 19.0	70 38.9	70 38.9
	9 04	K. 3	—	70 31.5	70 35.0	70 41.0	70 32.0	70 44.8	70 30.8	70 39.5	70 35.7	70 36.2	70 36.2
9 06	K. 4	—	-71 21.0	-71 03.2	-69 59.5	-69 51.7	-71 05.0	-71 25.7	-70 07.5	-69 59.3	-70 36.6	-70 36.6	
February.	2 21	A. 2	—	-70 49.3	-68 27.8	-69 55.7	-70 58.0	—	—	—	—	-70 02.7	-70 27.5
	3 03	A. 2	—	71 45.7	68 23.0	68 55.0	70 53.3	—	—	—	60 59.2	70 52.8	
	5 21	A. 2	—	—	—	—	—	-70 03.7	-70 42.0	-72 08.0	-70 37.3	70 55.5	70 32.2
	6 03	A. 2	—	—	—	—	—	70 11.0	71 14.7	71 41.3	70 35.0	70 16.6	
	9 21	A. 2	—	71 00.3	69 10.8	70 14.3	70 41.0	—	—	—	—	70 03.9	70 30.2
	10 03	A. 2	—	70 37.0	68 57.2	70 05.7	70 35.7	—	—	—	—	70 52.9	
	12 21	A. 2	—	—	—	—	—	70 13.2	70 37.3	71 58.2	70 43.0	70 47.4	70 33.2
	13 03	A. 2	—	—	—	—	—	70 07.5	70 25.7	71 51.5	70 44.7	70 19.5	
	16 21	A. 2	—	71 01.3	69 21.3	70 14.3	70 41.0	—	—	—	—	70 12.9	70 29.2
	17 03	A. 2	—	70 53.0	69 22.0	70 11.5	70 25.0	—	—	—	—	70 51.6	
	19 21	A. 2	—	—	—	—	—	71 21.7	70 32.3	71 41.5	70 51.0	70 32.8	70 30.1
	20 03	A. 2	—	—	—	—	—	70 14.3	70 27.7	70 52.0	70 37.0	70 19.3	
	23 21	A. 2	—	70 41.0	69 24.5	70 33.5	70 38.2	—	—	—	—	70 16.8	-70 33.1
24 03	A. 2	—	-70 54.7	-69 25.0	-70 16.0	-70 31.7	—	—	—	—	70 55.5		
26 21	A. 2	—	—	—	—	—	70 19.7	70 26.2	71 43.0	71 13.0	-70 40.8	-70 34.2	
27 03	A. 2	—	—	—	—	—	-70 23.7	-70 24.7	-71 30.0	-70 25.0	-70 18.5		
March.	2 21	A. 2	—	-70 45.7	-69 48.3	-69 57.0	-70 43.0	—	—	—	—	-70 18.5	70 33.3
	3 03	A. 2	—	70 54.0	69 41.0	70 07.0	70 45.5	—	—	—	—	70 21.9	
	5 21	A. 2	—	—	—	—	—	-69 48.0	-71 36.7	-71 14.7	-70 15.0	70 43.6	70 37.8
	6 03	A. 2	—	—	—	—	—	69 47.8	71 32.3	71 34.5	70 22.3	70 49.2	
	9 21	A. 2	—	71 18.0	69 33.5	70 31.0	70 52.2	—	—	—	—	70 33.7	70 34.0
	10 03	A. 2	—	71 05.3	69 30.7	70 34.0	70 29.3	—	—	—	—	70 24.8	
	12 21	A. 2	—	—	—	—	—	70 14.5	70 23.3	70 32.0	70 58.8	70 32.2	70 32.4
	13 03	A. 2	—	—	—	—	—	70 17.0	70 22.7	71 30.0	70 51.7	70 45.3	
	16 21	A. 2	—	70 46.7	69 45.2	70 49.5	70 43.0	—	—	—	—	70 31.1	-70 35.0
	17 03	A. 2	—	70 35.7	69 40.3	70 37.0	70 32.0	—	—	—	—	70 21.2	
	19 21	A. 2	—	—	—	—	—	69 59.8	71 07.5	71 00.8	71 06.7	70 48.7	70 39.0
	20 03	A. 2	—	—	—	—	—	70 01.3	71 04.7	71 45.0	70 48.7	70 54.9	
	23 21	A. 2	—	70 54.3	69 47.7	70 10.0	70 50.3	—	—	—	—	70 25.6	70 36.9
24 03	A. 2	—	70 46.3	69 37.3	70 05.3	70 45.0	—	—	—	—	70 18.5		
26 21	A. 2	—	—	—	—	—	70 21.0	70 47.0	71 20.3	70 51.7	70 50.0	70 36.1	
27 03	A. 2	—	—	—	—	—	-70 23.0	-70 45.0	-71 19.7	-70 54.0	70 50.4		
30 21	A. 2	—	71 22.0	69 19.3	69 52.0	71 09.7	—	—	—	—	70 25.7	-70 40.0	
31 03	A. 2	—	-71 38.0	-69 20.7	-70 08.0	-71 09.5	—	—	—	—	-70 34.0		
April.	2 21	A. 2	—	—	—	—	—	-69 05.8	-70 33.3	-71 30.3	-69 54.3	-70 15.9	-70 25.9
	3 03	A. 2	—	—	—	—	—	69 35.0	70 54.7	71 21.7	70 02.0	70 28.1	
	6 21	A. 2	—	-71 27.2	-69 58.0	-70 42.5	-71 33.5	—	—	—	—	70 55.3	70 36.5
	7 03	A. 2	—	71 51.0	69 56.3	70 17.0	71 02.3	—	—	—	—	70 46.6	
	13 21	A. 2	—	71 12.0	70 03.0	70 24.7	71 10.3	—	—	—	—	70 42.5	70 31.9
	14 03	A. 2	—	71 04.3	69 43.7	70 18.7	70 49.7	—	—	—	—	70 29.1	
	16 21	A. 2	—	—	—	—	—	70 14.7	71 42.7	71 41.0	70 19.7	70 59.5	70 19.3
	17 03	A. 2	—	—	—	—	—	70 05.0	71 31.7	71 43.8	70 18.0	70 03.5	
	20 21	A. 2	—	70 41.7	69 19.7	69 48.3	70 24.5	—	—	—	—	70 10.1	70 34.7
	21 03	A. 2	—	70 52.5	69 20.0	69 55.3	70 32.5	—	—	—	—	70 35.1	
	23 21	A. 2	—	—	—	—	—	69 08.0	71 06.3	72 08.7	69 57.3	70 28.8	-70 33.9
	24 03	A. 2	—	—	—	—	—	69 07.7	71 10.0	72 08.0	69 27.3	70 38.5	
	27 21	A. 2	—	71 38.0	69 11.5	70 20.5	71 24.2	—	—	—	—	70 36.5	-70 33.2
28 03	A. 2	—	-71 39.3	-69 10.7	-70 07.0	-71 29.0	—	—	—	—	-70 29.5		
30 21	A. 2	—	—	—	—	—	-68 59.2	-71 01.7	-72 11.8	-69 45.3	-70 31.0	70 40.7	
1 03	A. 2	—	—	—	—	—	-69 01.8	-70 59.7	-72 10.3	-69 52.0	70 45.6		
May.	4 21	A. 2	—	-71 05.0	-69 49.7	-71 10.0	-70 57.7	—	—	—	—	70 26.6	70 42.9
	5 03	A. 2	—	-70 52.0	-69 52.3	-70 17.7	-70 44.3	—	—	—	—	70 46.6	
	7 21	A. 2	—	—	—	—	—	70 10.0	70 52.0	71 20.3	70 44.0	70 46.6	
8 03	A. 2	—	—	—	—	—	-70 11.7	-70 48.3	-71 25.2	-70 30.0	-70 43.8		

* Good Friday.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.	
			Face of Needle				Face of Needle							
			Direct.		Reversed.		Direct.		Reversed.					
			α	α'	α''	α'''	β	β'	β''	β'''				
1846.														
	D. H.													
May—continued.	11 21	A. 2	0 & 180	-71 19.3	-69 52.7	-70 25.0	-70 59.3	—	—	—	—	-70 39.1		
	12 03	A. 2	—	71 21.2	69 51.5	70 37.8	70 58.5	—	—	—	—	70 42.2		
	14 21	A. 2	—	—	—	—	—	-70 16.3	-70 52.3	-71 57.3	-70 08.0	70 47.5	-70 45.5	
	15 03	A. 2	—	—	—	—	—	70 16.5	71 05.7	71 54.2	70 16.3	70 53.2		
	18 21	A. 2	—	71 22.8	69 04.0	70 01.0	70 55.3	—	—	—	—	70 20.8	70 34.3	-70 37.8
	19 03	A. 2	—	71 07.0	69 02.3	70 03.3	70 50.3	—	—	—	—	70 15.7		
	21 21	A. 2	—	—	—	—	—	69 54.5	71 06.5	72 19.0	69 57.5	70 49.4	70 33.1	
	22 03	A. 2	—	—	—	—	—	69 38.5	71 05.7	72 21.5	70 00.0	70 46.4		
	25 21	A. 2	—	70 45.7	69 53.7	70 16.0	70 58.7	—	—	—	—	70 28.5	70 37.3	
	26 03	A. 2	—	-71 00.0	-69 47.3	-70 13.5	-70 38.7	—	—	—	—	70 24.9		
28 21	A. 2	—	—	—	—	—	69 48.3	71 10.7	71 39.3	70 12.3	70 42.6	-70 35.6		
29 03	A. 2	—	—	—	—	—	-69 51.0	-71 11.7	-71 41.0	-70 25.7	-70 47.3			
June.	1 21	A. 2	—	-70 06.2	-71 05.0	-69 40.5	-70 48.7	-69 53.0	-71 57.0	-70 25.5	-70 59.5	-70 36.9	-70 36.9	
	5 03	A. 2	—	70 09.0	70 57.0	69 21.0	70 46.5	69 27.5	72 16.0	70 29.0	70 39.5	70 30.7	70 30.7	
	8 21	A. 2	—	70 00.0	71 07.0	69 16.0	70 34.0	70 09.0	71 35.5	70 32.0	71 03.5	70 32.1	70 32.1	
	12 03	A. 2	—	69 57.0	71 26.0	69 40.5	70 46.5	69 47.0	71 12.0	70 10.0	70 25.0	70 25.5	70 25.5	
	15 21	A. 2	—	69 37.5	71 04.5	69 24.0	71 17.0	70 15.0	71 44.5	70 23.0	70 54.7	70 35.2	70 35.2	-70 31.8
	19 03	A. 2	—	69 40.0	70 56.0	69 10.0	70 45.0	70 09.0	71 12.5	70 37.5	70 13.0	70 20.4	70 20.4	
	22 21	A. 2	—	70 22.0	71 14.0	70 00.0	71 01.0	69 48.0	71 33.0	70 07.0	70 37.0	70 35.3	70 35.3	
	26 03	A. 2	—	70 16.0	71 13.5	69 22.0	70 52.5	69 43.0	71 36.5	70 01.0	70 33.0	70 27.2	70 27.2	
	29 21	A. 2	—	-70 12.5	-71 21.5	-69 12.0	-71 03.5	-68 59.0	-72 17.8	-71 02.0	-71 30.0	-70 42.6	-70 42.6	
July.	3 03	A. 2	—	-69 45.0	-70 50.2	-70 31.0	-69 16.5	-71 58.0	-70 27.0	-71 04.5	-70 53.0	-70 35.7	-70 35.7	
	6 21	A. 2	—	70 03.5	70 15.5	70 45.5	69 34.0	71 35.0	70 19.5	70 54.5	70 50.0	70 30.3	70 30.3	
	10 03	A. 2	—	70 11.0	70 50.0	70 27.0	69 36.5	70 54.0	70 28.0	69 53.5	70 55.0	70 24.3	70 24.3	
	13 21	A. 2	—	70 27.5	69 57.0	71 00.5	70 29.5	71 24.5	69 52.0	70 32.0	70 32.0	70 31.8	70 31.8	
	17 03	A. 2	—	70 17.0	71 14.0	70 51.2	69 35.5	71 22.2	69 54.5	70 27.7	70 25.0	70 30.9	70 30.9	-70 33.3
	20 21	A. 2	—	70 14.5	71 07.0	70 57.0	69 35.5	72 09.5	69 31.5	71 46.0	70 45.5	70 45.8	70 45.8	
	24 03	A. 2	—	69 39.5	71 32.0	72 54.0	69 01.0	71 13.0	69 38.5	71 09.5	68 37.0	70 28.1	70 28.1	
	27 21	A. 2	—	70 14.0	70 55.5	70 48.5	69 44.0	71 58.5	69 40.5	71 42.5	70 36.0	70 42.4	70 42.4	
31 03	A. 2	—	-69 30.0	-71 20.5	-71 18.0	-68 34.0	-72 00.5	-69 46.0	-71 14.0	-70 18.0	-70 30.6	-70 30.6		
August.	3 21	A. 2	—	-69 39.0	-70 58.2	-68 51.5	-70 41.5	-72 14.0	-69 48.5	-71 14.5	-70 04.0	-70 26.4	-70 26.4	
	7 03	A. 2	—	69 50.0	71 05.0	70 50.0	69 12.5	70 49.5	70 17.5	71 22.5	70 24.5	70 36.4	70 36.4	
	10 21	A. 2	—	69 21.0	70 37.5	70 35.0	69 20.5	72 08.5	69 54.0	71 05.0	70 31.5	70 26.6	70 26.6	
	14 03	A. 2	—	69 30.5	71 25.0	70 36.5	68 22.0	72 12.5	70 01.5	71 09.5	70 28.0	70 28.2	70 28.2	
	17 21	A. 2	—	69 47.0	71 16.0	70 09.5	69 41.0	71 19.5	70 20.5	71 21.0	70 41.0	70 34.5	70 34.5	
	21 03	A. 2	—	69 47.0	70 42.0	70 22.0	68 51.3	71 46.0	70 09.0	71 12.0	70 30.0	70 24.9	70 24.9	-70 26.7
	24 21	A. 2	—	69 50.2	70 21.0	70 37.0	68 46.5	71 38.5	69 32.0	70 32.0	69 54.0	70 08.9	70 08.9	
28 03	A. 2	—	69 53.0	71 52.0	70 34.0	68 54.0	71 43.0	69 27.9	71 01.0	69 52.0	70 24.6	70 24.6		
31 21	A. 2	—	-70 19.2	-71 17.5	-70 48.5	-69 16.0	-71 50.0	-69 37.0	-70 12.8	-70 18.0	-70 30.2	-70 30.2		
September.	4 03	A. 2	—	-70 18.0	-71 22.0	-70 46.5	-69 34.0	-71 50.0	-69 37.0	-70 11.3	-70 10.0	-70 28.6	-70 28.6	
	7 21	A. 2	—	71 12.0	70 05.2	70 19.8	70 25.6	70 16.0	71 04.5	69 43.0	70 41.0	70 28.4	70 28.4	
	11 03	A. 2	—	70 38.0	70 55.0	70 45.0	69 20.5	71 23.0	70 26.0	70 53.5	71 07.0	70 42.0	70 42.0	
	14 21	A. 2	—	69 02.5	72 13.0	71 30.0	68 04.0	71 05.0	70 12.0	70 03.5	70 40.0	70 21.3	70 21.3	
	18 03	A. 2	—	70 08.0	71 34.0	71 04.8	69 14.8	71 07.8	70 08.0	70 13.5	70 35.0	70 30.7	70 30.7	-70 32.6
	21 21	A. 2	—	70 10.0	71 15.5	70 53.0	69 15.5	72 05.2	69 47.2	70 59.0	70 42.2	70 38.4	70 38.4	
	25 03	A. 2	—	69 50.0	71 20.0	70 54.0	69 12.0	71 52.0	69 52.0	70 55.0	70 36.5	70 33.9	70 33.9	
	28 21	A. 2	—	-71 31.5	-71 15.0	-70 07.0	-69 13.0	-71 49.5	-70 05.0	-71 54.5	-70 05.0	-70 37.6	-70 37.6	
October.	2 03	A. 2	—	-70 20.0	-71 10.2	-69 46.0	-69 06.2	-71 51.0	-70 02.0	-71 26.0	-70 25.0	-70 30.8	-70 30.8	
	5 21	A. 2	—	70 14.7	71 19.0	70 55.2	70 08.8	71 50.2	70 24.0	71 06.7	70 48.5	70 50.9	70 50.9	
	9 03	A. 2	—	69 49.0	70 47.0	70 07.5	69 13.0	69 27.0	70 34.0	71 05.0	69 49.5	70 06.5	70 06.5	
	12 21	A. 2	—	70 08.5	71 14.5	70 09.0	69 20.0	71 56.5	69 57.5	71 09.5	70 35.7	70 33.9	70 33.9	
	16 03	A. 2	—	70 16.0	71 08.0	70 33.5	69 15.3	71 49.0	69 56.3	71 09.0	70 47.0	70 36.8	70 36.8	
	19 21	A. 2	—	69 34.0	71 17.0	70 40.0	69 50.0	71 31.5	70 21.0	70 48.0	70 42.0	70 35.4	70 35.4	-70 32.1
	23 03	A. 2	—	69 26.3	71 27.0	71 04.0	68 42.8	71 32.5	70 12.3	70 47.0	70 43.3	70 29.4	70 29.4	
26 21	A. 2	—	69 08.0	71 00.0	70 29.0	68 52.0	72 27.0	70 10.0	71 24.0	70 36.0	70 30.8	70 30.8		
30 03	A. 2	—	-69 35.0	-70 46.5	-70 31.0	-69 16.0	-72 09.5	-70 13.5	-71 25.0	-70 41.0	-70 34.7	-70 34.7		
Nov.	2 21	A. 2	—	-70 03.8	-70 55.0	-70 40.5	-69 43.0	-72 18.5	-70 21.0	-71 48.0	-70 56.0	-70 58.7	-70 50.7	
	6 03	A. 2	—	69 52.0	70 48.5	69 12.0	70 32.5	72 29.5	70 09.5	70 09.0	71 34.0	70 35.9	70 35.9	
	9 21	A. 2	—	69 32.0	71 05.5	70 39.5	69 31.5	71 55.0	70 13.0	70 49.5	70 47.0	70 34.1	70 34.1	
	13 03	A. 2	—	-69 36.0	-70 57.0	-70 38.0	-69 00.0	-71 40.0	-70 19.0	-71 02.0	-70 31.5	-70 28.0	-70 28.0	

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other Days.

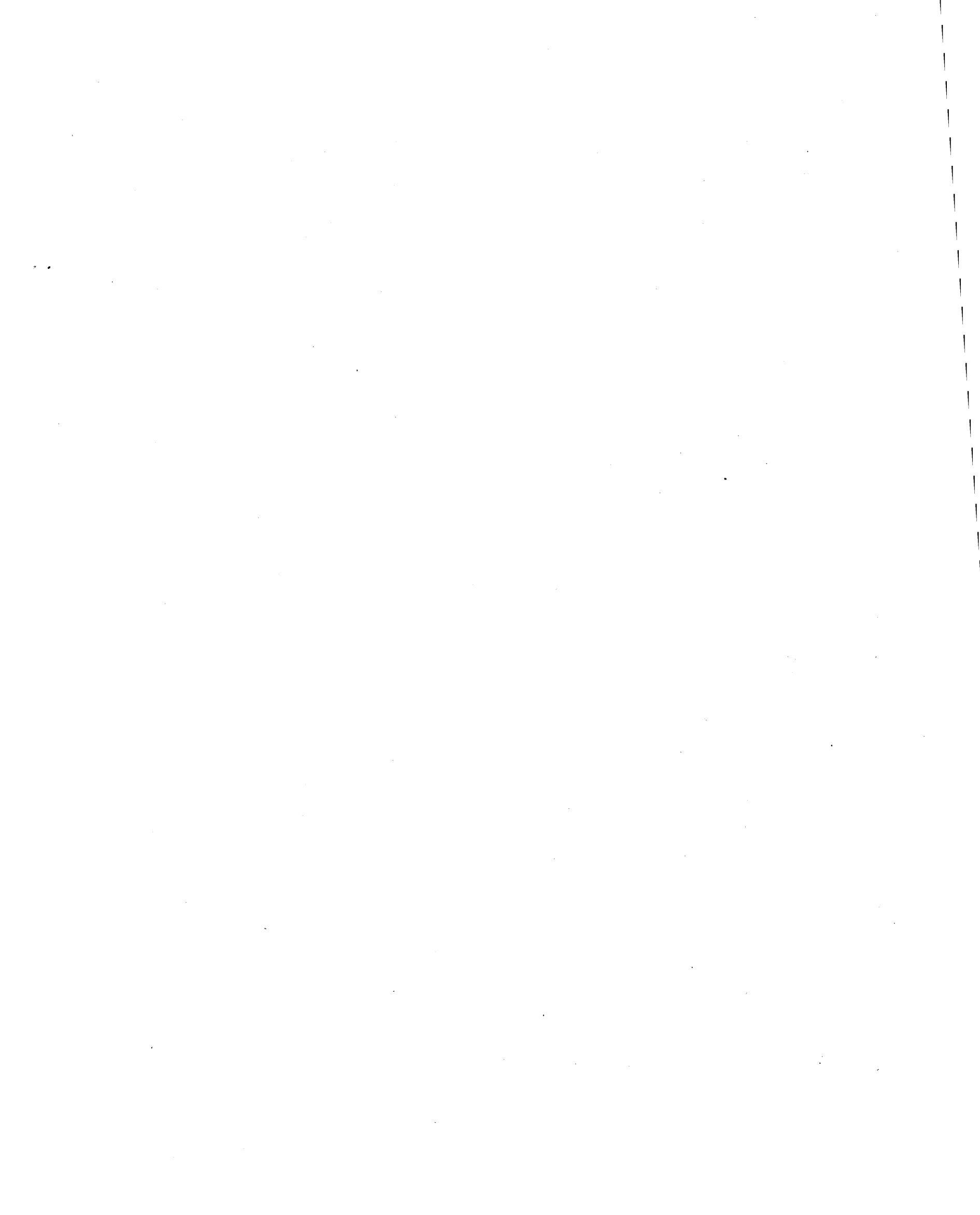
Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.		
			Face of Needle				Face of Needle								
			Direct.		Reversed.		Direct.		Reversed.						
			α	α'	α''	α'''	β	β'	β''	β'''					
1846.															
Nov. - cont.		0 & 180													
16 21	A. 2		-69 37.0	-70 58.0	-70 27.5	-68 58.5	-71 56.5	-70 18.5	-71 09.0	-70 47.0	-70 31.5	-70 31.5			
20 03	A. 2		68 46.0	70 43.0	70 34.5	70 10.0	71 42.0	70 31.5	71 44.5	70 40.0	70 36.4	70 36.4			
23 21	A. 2		69 01.8	70 54.0	70 49.5	68 52.0	72 45.0	70 02.0	71 47.5	70 51.0	70 37.8	70 37.8			
27 03	A. 2		69 38.0	70 45.0	70 46.0	68 24.8	72 24.0	70 02.0	71 31.0	70 31.0	70 30.2	70 30.2			
31 21	A. 2		-72 39.5	-70 57.0	-70 14.0	-68 10.5	-71 28.0	-70 35.0	-71 06.5	-71 03.0	-70 46.7	-70 46.7			
December.															
3 03	A. 2		-69 34.0	-71 03.0	-69 58.0	-68 40.0	-71 35.5	-70 08.8	-70 59.0	-70 59.0	-70 22.2	-70 22.2			
7 21	A. 2		70 13.5	70 43.0	69 33.5	70 09.0	70 25.0	70 02.0	71 18.0	71 03.5	70 25.9	70 25.9			
10 03	A. 2		69 52.5	71 02.5	70 38.5	68 59.0	72 03.3	70 17.0	71 19.0	70 54.2	70 38.2	70 38.2			
14 21	A. 2		69 41.8	71 13.0	70 57.0	69 11.0	71 53.0	70 11.2	71 11.5	70 40.0	70 37.3	70 37.3			
18 03	A. 2		69 12.0	71 17.0	70 50.0	69 11.0	71 54.0	70 13.5	70 53.5	70 57.6	70 33.6	70 33.6			-70 32.6
21 21	A. 2		69 26.5	71 02.5	70 37.2	68 30.0	72 17.5	70 12.0	71 16.0	70 52.0	70 31.6	70 31.6			
25 03	A. 2														
28 21	A. 2		-69 43.0	-70 52.5	-70 40.0	-69 13.0	-72 13.5	-70 13.5	-72 10.0	-70 08.0	-70 39.1	-70 39.1			
1847.															
January.															
1 03	A. 2		-69 16.5	-71 15.0	-68 45.2	-70 38.5	-72 03.5	-70 07.0	-72 01.0	-70 53.5	-70 37.5	-70 37.5			
4 21	A. 2		69 12.5	71 12.0	68 18.5	70 41.0	72 24.0	70 26.5	71 51.5	70 58.5	70 38.1	70 38.1			
8 03	A. 2		69 20.3	71 02.5	69 07.5	70 48.0	72 26.0	70 07.5	71 38.5	70 44.0	70 39.3	70 39.3			
11 21	A. 2		70 40.0	71 13.5	70 35.0	71 20.0	71 15.0	70 08.0	70 57.5	70 23.5	70 49.1	70 49.1			
15 03	A. 2		69 30.0	71 18.0	69 30.0	71 00.0	71 32.5	70 02.5	71 02.0	70 17.0	70 31.5	70 31.5			-70 36.0
18 21	A. 2		69 31.5	71 20.0	69 02.5	70 51.5	71 19.0	70 06.0	70 36.0	70 38.5	70 25.6	70 25.6			
22 03	A. 2		69 50.0	70 52.0	69 25.0	70 34.0	71 20.2	70 02.5	71 14.0	70 53.5	70 31.4	70 31.4			
25 21	A. 2		69 51.0	70 57.5	69 34.0	70 38.2	72 13.5	70 03.0	71 43.5	70 59.0	70 44.9	70 44.9			
29 03	A. 2		-69 36.0	-71 02.0	-68 43.5	-70 39.0	-70 20.0	-70 27.5	-71 44.0	-71 03.0	-70 26.9	-70 26.9			
February.															
1 21	A. 2		-69 41.0	-71 02.0	-68 47.2	-70 47.5	-70 45.0	-71 10.0	-71 14.0	-71 02.0	-70 33.6	-70 33.6			
5 03	A. 2		70 26.0	70 50.0	70 12.0	70 16.0	70 36.0	70 49.5	69 51.0	71 20.0	70 32.6	70 32.6			
8 21	A. 2		70 22.5	70 46.0	70 11.5	70 19.0	69 25.0	70 55.0	69 36.0	70 37.0	70 16.5	70 16.5			
12 03	A. 2		70 08.5	71 00.5	69 37.0	70 49.0	71 07.0	69 59.5	71 00.5	71 05.5	70 35.9	70 35.9			
15 21	A. 2		70 15.0	70 57.0	69 37.3	70 33.0	71 47.0	70 00.0	70 57.0	70 49.0	70 36.9	70 36.9			-70 33.5
19 03	A. 2		70 09.5	71 24.5	69 43.0	70 34.0	71 50.5	69 54.5	70 33.0	70 11.5	70 32.5	70 32.5			
22 21	A. 2		70 32.5	70 54.5	69 41.5	70 42.5	71 37.5	70 13.0	71 01.5	70 40.0	70 40.4	70 40.4			
26 03	A. 2		-71 06.0	-71 00.3	-69 09.0	-70 22.5	-71 37.0	-70 31.0	-71 00.0	-70 30.0	-70 39.4	-70 39.4			
March.															
1 21	A. 2		-70 22.8	-71 14.5	-69 15.7	-70 43.0	-71 41.8	-70 14.5	-71 11.0	-70 39.5	-70 40.3	-70 40.3			
5 03	A. 2		70 10.5	71 04.0	69 18.0	70 18.0	71 36.8	70 11.0	70 47.5	70 46.0	70 31.5	70 31.5			
8 21	A. 2		69 54.0	71 06.0	69 25.7	70 48.2	71 38.0	69 55.5	71 04.5	70 47.0	70 34.7	70 34.7			
12 03	A. 2		69 36.0	70 54.5	69 41.0	70 46.0	72 03.5	70 24.0	70 41.5	70 58.5	70 38.1	70 38.1			
15 21	A. 2		70 14.0	70 48.5	69 52.5	70 13.0	70 50.5	70 26.5	70 51.0	71 14.5	70 33.8	70 33.8			-70 36.3
19 03	A. 2		69 47.0	71 18.5	69 04.0	70 56.5	71 45.0	70 07.5	71 34.0	70 44.0	70 39.6	70 39.6			
22 21	A. 2		69 52.0	71 07.5	68 44.8	70 56.0	71 48.5	70 13.8	71 02.0	70 44.0	70 33.6	70 33.6			
27 03	A. 2		69 42.7	71 17.5	68 26.0	70 35.0	71 50.5	70 18.5	71 07.5	70 42.5	70 30.0	70 30.0			
29 21	A. 2		-70 20.0	-71 05.0	-69 00.5	-71 14.5	-71 24.2	-70 37.5	-70 43.0	-71 35.0	-70 45.0	-70 45.0			
April.															
2 03	A. 2		- ^b	-	-	-	-	-	-	-	-	-			
5 21	A. 2		-69 18.5	-70 42.0	-69 52.5	-70 33.0	-71 29.5	-70 47.5	-70 19.5	-71 46.0	-70 36.1	-70 36.1			
9 03	A. 2		69 52.3	70 43.5	69 13.8	70 38.0	71 46.0	70 28.5	71 15.7	70 57.5	70 36.9	70 36.9			
12 21	A. 2		69 26.0	70 55.0	69 01.5	70 31.5	71 49.0	70 23.5	71 03.5	70 42.0	70 29.0	70 29.0			
16 03	A. 2		70 12.5	70 56.5	69 35.0	70 28.0	71 59.0	70 20.0	71 05.3	70 42.0	70 39.8	70 39.8			-70 35.0
19 21	A. 2		70 06.0	70 53.0	69 30.0	70 36.0	71 43.5	70 10.0	71 05.0	70 37.0	70 35.1	70 35.1			
23 03	A. 2		70 17.5	70 54.0	69 46.0	70 36.5	71 17.5	70 04.5	71 15.5	70 12.5	70 33.0	70 33.0			
26 21	A. 2		70 10.5	70 52.0	69 40.5	70 14.0	70 36.0	70 09.5	71 26.0	70 25.5	70 34.3	70 34.3			
30 03	A. 2		-70 06.0	-70 59.0	-69 58.8	-70 42.0	-71 25.5	-70 18.5	-70 41.5	-70 34.0	-70 35.7	-70 35.7			
May.															
3 21	A. 2		-70 24.5	-70 59.0	-70 00.5	-70 37.0	-71 57.5	-70 12.7	-71 19.5	-70 34.0	-70 45.6	-70 45.6			
7 03	A. 2		69 32.5	71 13.5	69 02.5	71 01.5	71 53.5	70 13.5	71 25.0	70 34.0	70 37.0	70 37.0			
10 21	A. 2		69 45.5	71 14.0	69 11.5	70 45.0	72 33.5	69 47.0	72 21.0	70 38.5	70 47.0	70 47.0			
14 03	A. 2		69 26.8	71 15.0	68 53.0	71 04.3	72 40.5	69 58.8	71 31.5	70 14.0	70 38.0	70 38.0			
17 21	A. 2		68 46.0	71 10.5	68 53.0	70 32.5	71 54.0	70 05.5	71 50.0	71 14.5	70 33.3	70 33.3			-70 36.3
21 03	A. 2		70 00.0	71 06.5	69 30.5	70 42.8	71 38.0	70 14.0	71 19.0	70 38.0	70 38.6	70 38.6			
24 21	A. 2		69 46.0	70 49.0	69 24.0	70 23.5	71 43.0	69 17.5	71 12.0	70 33.0	70 23.5	70 23.5			
28 03	A. 2		69 32.0	71 06.0	69 12.0	70 41.2	71 45.0	70 19.8	71 00.0	70 44.0	70 32.5	70 32.5			
31 21	A. 2		-70 09.5	-69 42.5	-70 28.0	-68 43.3	-72 44.0	-69 53.8	-71 36.0	-70 55.0	-70 31.5	-70 31.5			

^a Christmas Day.

^b Good Friday.

Observations of Inclination, made on Tuesdays and Fridays about four hours before and four hours after Noon, with occasional Observations on other days.

1847.	Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Arithmetical Means.	Inclination.	Monthly Means.
				Face of Needle				Face of Needle						
				Direct.		Reversed.		Direct.		Reversed.				
				α	α'	α''	α'''	β	β'	β''	β'''			
	D. H.		° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
June.	4 03	A. 2	0 & 180	-70 00.0	-70 31.0	-69 12.0	-70 33.5	-72 43.5	-69 58.5	-71 16.0	-71 30.0	-70 43.0	-70 43.0	-70 24.5
	7 21	A. 2	—	69 25.0	70 24.5	69 28.5	70 32.0	71 28.0	70 10.5	70 48.5	70 32.0	70 21.1	70 21.1	
	11 03	A. 2	—	69 41.0	70 52.0	69 18.5	70 37.0	71 52.0	70 00.5	70 56.0	70 27.0	70 28.0	70 28.0	
	14 21	A. 2	—	69 43.0	70 50.5	69 17.0	70 31.0	71 27.0	69 58.0	70 33.5	70 14.5	70 19.3	70 19.3	
	18 03	A. 2	—	69 34.8	71 21.5	68 10.2	71 05.5	71 03.8	70 25.0	70 25.0	70 47.5	70 21.7	70 21.7	
	21 21	A. 2	—	70 11.5	70 56.5	68 12.5	71 04.0	71 10.0	70 23.8	70 14.2	71 00.8	70 24.2	70 24.2	
	25 03	A. 2	—	69 10.0	70 25.0	69 44.0	69 58.5	71 01.0	70 15.5	70 16.0	70 42.0	70 11.5	70 11.5	
28 21	A. 2	—	-70 27.0	-70 30.0	-69 51.0	-70 23.0	-70 44.5	-70 19.5	-70 56.5	-70 26.5	-70 27.3	-70 27.3		
July.	2 03	A. 2	—	-70 22.8	-70 40.0	-69 55.0	-70 21.5	-71 19.0	-70 26.0	-70 29.0	-70 37.0	-70 31.3	-70 31.3	-70 26.2
	5 21	A. 2	—	69 06.5	71 07.0	68 50.2	70 34.5	72 23.0	69 44.0	70 31.0	70 05.0	70 17.6	70 17.6	
	9 03	A. 2	—	69 22.0	71 00.0	68 43.8	70 35.0	71 56.0	70 07.5	71 08.5	70 55.0	70 28.5	70 28.5	
	12 21	A. 2	—	68 03.0	71 28.0	66 23.5	71 08.5	72 09.2	69 52.0	71 31.0	70 10.0	70 05.6	70 05.6	
	16 03	A. 2	—	68 44.0	71 22.0	67 31.0	70 51.5	72 10.0	69 52.5	71 51.0	70 13.7	70 19.4	70 19.4	
	19 21	A. 2	—	69 49.0	70 37.0	70 25.0	70 41.0	72 06.0	69 45.0	71 26.0	69 37.5	70 33.3	70 33.3	
	23 03	A. 2	—	69 56.0	70 47.0	69 34.0	70 18.0	71 35.5	70 42.0	71 10.5	70 45.0	70 36.0	70 36.0	
	26 21	A. 2	—	69 42.0	71 00.0	69 13.0	70 39.0	71 29.8	70 14.8	71 13.5	70 45.4	70 32.2	70 32.2	
30 03	A. 2	—	-70 05.5	-70 56.8	69 10.0	-70 22.0	-70 09.2	-71 50.0	-70 50.5	-70 50.0	-70 31.8	-70 31.8		
August.	2 21	A. 2	—	-69 13.0	-71 04.5	-67 58.5	-70 17.5	-72 04.0	-70 03.0	-70 51.8	-70 47.5	-70 17.5	-70 17.5	-70 30.4
	6 03	A. 2	—	69 14.0	71 13.5	68 26.8	70 16.5	71 54.5	70 17.5	71 05.0	70 48.5	70 24.5	70 24.5	
	9 21	A. 2	—	69 53.0	70 27.0	69 41.5	70 21.5	71 46.0	70 20.5	71 21.0	70 58.5	70 36.1	70 36.1	
	13 03	A. 2	—	69 37.5	70 56.0	69 41.0	70 32.5	72 02.0	71 22.5	71 41.0	70 36.0	70 48.5	70 48.5	
	16 21	A. 2	—	69 45.0	70 57.5	69 20.0	70 20.0	71 16.0	69 45.5	70 14.0	69 40.2	70 09.8	70 09.8	
	20 03	A. 2	—	69 47.0	70 58.0	69 26.0	70 21.3	71 45.5	70 07.5	70 56.0	70 20.5	70 27.7	70 27.7	
	23 21	A. 2	—	69 41.5	71 03.2	69 02.5	70 43.2	71 44.5	70 08.5	71 02.5	70 42.0	70 31.0	70 31.0	
27 03	A. 2	—	69 57.5	70 59.0	69 18.8	70 24.0	72 05.8	70 16.5	71 22.0	70 52.0	70 39.4	70 39.4		
30 21	A. 2	—	-69 36.0	-71 02.0	-70 38.0	-70 51.5	-72 05.5	-70 00.0	-71 02.5	-69 59.0	-70 39.3	-70 39.3		
September.	3 03	A. 2	—	-70 17.0	-71 05.0	-69 55.8	-70 52.5	-71 29.2	-70 03.5	-70 39.0	-70 35.0	-70 37.1	-70 37.1	-70 36.1
	6 21	A. 2	—	69 35.0	70 59.5	69 02.5	70 38.5	72 24.7	69 43.2	71 31.5	70 03.5	70 29.9	70 29.9	
	10 03	A. 2	—	69 30.0	71 15.0	69 06.0	70 45.5	72 51.0	69 46.5	70 33.5	70 13.3	70 30.1	70 30.1	
	13 21	A. 2	—	69 58.5	72 17.5	69 05.8	71 21.0	72 32.0	69 47.5	71 59.5	70 29.5	70 56.4	70 56.4	
	17 03	A. 2	—	69 41.5	71 38.5	67 50.0	71 20.5	72 56.2	69 11.2	72 00.0	70 04.0	70 35.2	70 35.2	
	20 21	A. 2	—	70 05.0	71 11.5	70 09.5	70 40.0	72 21.0	69 28.5	71 29.0	70 08.5	70 41.6	70 41.6	
	24 03	A. 2	—	69 45.0	71 12.0	69 19.0	70 20.5	71 49.5	70 10.0	71 04.0	70 43.0	70 32.9	70 32.9	
27 21	A. 2	—	-69 42.0	-70 52.5	-69 13.0	-70 28.5	-71 51.0	-69 57.7	-70 49.5	-70 30.5	-70 25.6	-70 25.6		
October.	1 03	A. 2	—	-70 03.5	-70 53.0	-69 13.0	-70 42.2	-72 42.0	-69 58.0	-71 17.5	-70 55.0	-70 43.0	-70 43.0	-70 37.9
	4 21	A. 2	—	68 49.0	70 50.5	68 10.5	70 41.0	72 49.5	69 58.5	72 04.5	70 29.5	70 29.1	70 29.1	
	8 03	A. 2	—	68 57.0	70 55.0	68 15.0	70 27.0	72 30.0	70 02.0	71 26.0	70 55.0	70 26.0	70 26.0	
	11 21	A. 2	—	69 52.0	70 54.5	70 09.5	71 05.5	72 31.0	70 13.5	70 45.5	70 36.0	70 45.9	70 45.9	
	15 03	A. 2	—	69 53.0	70 36.0	70 04.5	71 59.0	70 30.0	69 30.0	70 37.0	70 33.0	70 27.8	70 27.8	
	18 21	A. 2	—	69 24.5	70 41.0	68 35.8	70 52.2	71 36.2	70 22.5	70 50.5	70 45.0	70 23.5	70 23.5	
	22 03	A. 2	—	69 42.5	70 55.0	69 22.0	70 34.5	73 41.0	69 49.0	72 53.5	70 42.0	70 57.4	70 57.4	
	25 21	A. 2	—	69 48.5	70 17.0	68 21.5	70 40.0	73 45.5	69 57.5	71 41.5	70 46.5	70 39.7	70 39.7	
29 03	A. 2	—	-69 55.0	-71 36.0	-69 54.5	-70 29.5	-71 29.5	-71 16.0	-71 34.0	-70 15.5	-70 48.8	-70 48.8		
November.	1 21	A. 2	—	-69 43.5	-70 46.0	-69 29.5	-70 40.0	-71 39.5	-70 18.2	-70 43.5	-70 35.0	-70 29.4	-70 29.4	-70 42.7
	5 03	A. 2	—	70 12.0	70 59.0	69 46.5	70 32.0	70 35.0	71 48.0	69 52.5	72 42.8	70 48.5	70 48.5	
	8 21	A. 2	—	69 55.0	70 40.0	69 16.0	70 24.0	73 51.0	69 46.0	71 18.5	70 25.5	70 42.0	70 42.0	
	12 03	A. 2	—	70 06.0	70 00.0	69 53.0	70 53.5	72 40.5	70 18.5	71 40.5	70 56.0	70 56.0	70 56.0	
	15 21	A. 2	—	70 10.0	71 25.5	69 15.5	70 39.5	72 58.5	70 02.2	71 46.8	70 44.0	70 52.7	70 52.7	
	19 03	A. 2	—	69 40.0	71 27.0	68 38.0	71 00.0	71 40.0	70 17.0	70 50.0	70 35.0	70 30.9	70 30.9	
	22 21	A. 2	—	70 05.5	70 59.5	69 36.7	70 34.5	71 41.5	70 11.5	70 44.5	70 21.0	70 31.8	70 31.8	
	26 03	A. 2	—	70 00.0	71 05.0	69 18.0	70 42.5	72 37.0	69 59.0	71 51.0	70 19.0	70 43.9	70 43.9	
29 21	A. 2	—	-70 04.5	-71 12.5	-69 34.0	-71 02.0	-72 40.0	-69 56.0	-71 38.5	-70 26.0	-70 49.2	-70 49.2		
December.	3 03	A. 2	—	-70 25.0	-71 25.5	-69 48.5	-71 03.0	-72 11.0	-69 30.0	-71 10.2	-70 40.8	-70 46.7	-70 46.7	-70 39.4
	6 21	A. 2	—	70 10.5	71 17.0	69 13.0	70 43.0	72 25.0	69 40.5	71 48.0	70 52.0	70 46.1	70 46.1	
	10 03	A. 2	—	70 24.0	71 09.0	69 00.0	70 44.5	71 29.0	70 02.0	70 46.0	70 36.0	70 31.3	70 31.3	
	13 21	A. 2	—	70 10.0	70 46.0	69 47.2	70 36.5	71 31.5	70 00.0	70 54.2	70 33.0	70 32.3	70 32.3	
	17 03	A. 2	—	70 30.0	71 01.0	69 52.0	70 30.0	72 07.2	69 50.0	70 45.0	70 32.5	70 38.5	70 38.5	
	20 21	A. 2	—	70 31.0	70 42.0	70 02.0	70 32.0	72 50.0	69 53.0	71 25.0	70 34.0	70 48.6	70 48.6	
	24 03	A. 2	—	70 30.0	70 44.0	69 45.8	70 27.5	71 58.0	69 52.5	70 54.0	70 35.0	70 35.8	70 35.8	
	27 21	A. 2	—	70 05.0	70 54.0	69 28.8	70 34.0	71 48.0	69 57.5	70 56.5	70 45.0	70 33.6	70 33.6	
31 03	A. 2	—	-70 31.0	-70 46.5	-69 12.0	-70 28.0	-72 09.0	-70 09.2	-71 16.0	-70 05.0	-70 42.1	-70 42.1		



ANTARCTIC NAVAL EXPEDITION.

MAGNETICAL AND METEOROLOGICAL TERM OBSERVATIONS.

November 26th and 27th.			MAGNETICAL TERM OBSERVATIONS.											
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.						DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.	
0	0	40.0	41.5	42.4	48.4	53.1	58.9	60.3	59.7	55.6	50.5	47.8	45.9	
5	0	40.0	41.3	43.2	49.6	53.9	59.1	60.1	59.6	55.1	50.3	48.2	45.2	
10	0	39.2	40.9	43.5	50.1	54.6	58.9	60.3	59.4	54.6	49.9	48.0	45.0	
15	0	38.2	41.2	43.6	50.4	55.5	59.0	60.5	59.3	54.0	50.0	48.3	44.0	
20	0	39.4	41.1	43.5	51.1	56.2	59.4	60.6	59.3	53.8	49.7	48.2	44.8	
25	0	40.4	41.5	44.4	51.8	56.6	59.7	60.4	58.9	53.0	49.2	48.3	44.5	
30	0	40.9	41.6	44.5	52.2	56.9	60.1	60.3	58.6	53.0	48.8	47.7	45.0	
35	0	41.8	41.1	45.0	52.6	57.3	60.0	59.6	58.4	52.0	48.5	47.8	45.3	
40	0	41.8	41.5	45.9	52.8	57.5	59.6	60.1	57.5	51.9	48.4	47.8	45.4	
45	0	42.3	40.6	46.2	53.4	58.1	59.7	61.0	57.3	51.5	48.4	47.5	44.8	
50	0	41.7	40.6	46.9	53.4	58.8	60.1	60.8	56.5	51.1	48.2	46.9	44.7	
55	0	40.9	41.5	47.9	53.4	58.8	60.3	60.0	55.8	50.8	48.1	46.4	44.6	

One Scale Division = .000146 parts of the H. F.		HORIZONTAL FORCE.											
M.	S.	75.3	76.0	74.8	73.3	74.8	73.9	74.6	75.4	77.8	78.4	82.1	80.0
2	30	75.0	75.3	73.6	73.4	75.2	74.1	77.8	73.8	76.9	79.6	81.1	80.5
12	30	75.4	74.8	73.5	73.0	73.9	73.9	79.1	72.5	76.5	78.7	82.9	81.3
22	30	75.7	74.4	73.5	72.9	75.3	76.0	76.9	73.5	76.2	79.5	82.4	82.0
32	30	75.6	74.2	72.5	73.9	74.5	75.3	74.5	74.9	77.6	80.9	80.3	82.2
42	30	77.0	74.6	72.9	74.0	74.6	74.1	75.2	76.2	78.5	80.9	78.6	80.9
52	30												

Thermometer													
		48.0	50.0	53.0	54.5	56.5	58.0	58.0	59.0	59.0	59.0	58.0	57.0

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Auckland Island --		^h ^m 10 25	^h ^m 11 25	^h ^m 12 25	^h ^m 13 25	^h ^m 14 25	^h ^m 15 25	^h ^m 16 25	^h ^m 17 25	^h ^m 18 25	^h ^m 19 25	^h ^m 20 25	^h ^m 21 25
DECLINATION.	Mean Reading in Sc. Divs. --	45.12	45.23	45.29	46.32	47.33	47.43	45.64	44.43	41.43	39.50	38.27	38.55
	Diurnal Variation in { Sc. Divs. --	6.85	6.96	7.02	8.05	9.06	9.16	7.37	6.16	3.16	1.23	0.00	0.28
	{ Arc --	5.00	5.08	5.12	5.88	6.61	6.69	5.38	4.50	2.31	0.90	0.00	0.20

HORIZONTAL FORCE.													
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. --	32.60	28.18	28.81	28.32	27.74	28.78	28.73	30.25	31.48	30.74	28.32	26.95
	Temperature -----	48.6	47.2	45.8	45.4	44.9	44.5	44.0	44.4	44.7	45.9	47.0	48.8
	Sc. Divs. corrected to 44° Fahr. --	42.03	34.74	32.50	31.19	29.59	29.81	28.73	31.07	32.92	34.64	34.47	36.79
	Diurnal Variation in { Sc. Divs. --	13.30	6.01	3.77	2.46	0.86	1.08	0.00	2.34	4.19	5.91	5.74	8.06
	{ Parts of Force --	.00194	.00088	.00055	.00036	.00013	.00016	.00000	.00034	.00061	.00086	.00084	.00118

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°						
26	10	0	29.564	51.0	— ^a	— ^a	— ^a	— ^a	1.0	Overcast with rain.
	11	0	29.573	52.0	—	—	—	—	1.0	Gloomy with rain.
	12	0	29.580	53.0	—	—	—	—	1.0	Overcast; drizzling rain.
	13	0	29.580	53.0	—	—	—	—	1.0	Overcast.
	14	0	29.573	53.0	—	—	—	—	1.0	Overcast.
	15	0	29.570	52.5	—	—	—	—	1.0	Overcast.
	16	0	29.538	52.0	—	—	—	—	—	Misty.
	17	0	29.524	53.0	—	—	—	—	1.0	Gloomy; misty.
	18	0	29.524	53.0	—	—	—	—	—	Misty.
	19	0	29.512	53.0	—	—	—	—	—	Misty.
	20	0	29.512	53.0	—	—	—	—	1.0	Overcast; rain.
	21	0	29.510	53.0	—	—	—	—	1.0	Overcast; rain.

^a Not recorded.

MAGNETICAL TERM OBSERVATIONS.													November 26th and 27th.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	44.5	44.7	41.5	43.1	45.1	44.1	41.8	40.9	40.6	50.4	39.9	40.1	
5	0	45.3	43.7	42.2	42.8	45.4	43.0	43.4	40.9	41.3	50.4	39.2	39.9	
10	0	46.5	42.5	43.3	43.3	46.1	43.6	44.3	40.9	41.6	49.9	39.4	39.1	
15	0	46.3	41.4	43.2	44.0	46.9	46.8	44.9	41.3	41.1	49.2	39.3	38.5	
20	0	46.1	40.2	43.8	44.2	47.0	51.4	45.5	41.4	41.4	48.4	39.5	39.1	
25	0	45.9	39.6	43.5	46.0	47.3	53.2	46.4	41.1	44.5	48.5	40.1	38.4	
30	0	45.8	39.8	43.4	46.0	47.9	52.2	46.7	41.0	47.0	48.7	41.0	38.6	
35	0	46.0	39.5	43.7	45.3	47.8	50.6	45.4	41.0	48.0	47.4	38.7	38.9	
40	0	46.0	39.4	44.0	44.6	48.0	47.6	44.5	41.4	48.7	46.9	38.7	38.7	
45	0	46.0	39.0	44.3	44.1	48.1	44.2	44.4	41.4	49.7	45.8	40.2	38.5	
50	0	45.6	39.9	43.5	44.1	46.9	43.3	41.4	40.7	51.2	43.4	40.2	38.5	
55	0	45.1	40.9	43.1	45.0	46.0	41.0	40.4	39.9	50.7	41.5	40.0	38.4	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00030.	
2	30	80.9	79.7	78.1	79.2	79.2	81.8	75.5	76.5	79.2	79.5	80.0	78.4	
12	30	80.3	77.8	78.0	78.6	80.7	81.9	74.2	78.0	79.0	81.0	81.1	78.0	
22	30	80.9	77.7	77.7	79.5	79.6	79.4	75.7	77.8	78.8	82.0	81.0	78.4	
32	30	82.5	76.0	78.9	80.8	79.3	75.2	75.0	78.0	77.8	82.9	79.7	79.5	
42	30	82.0	77.6	79.9	79.8	80.3	73.0	74.5	77.7	77.5	82.7	79.4	79.1	
52	30	81.4	76.8	80.7	79.7	81.7	73.4	75.0	78.5	78.0	80.8	78.1	79.5	

Thermometer													
57.0	57.0	57.0	56.0	56.0	56.0	56.0	56.0	55.5	55.0	55.0	55.0	55.0	55.5

DERIVED FROM OBSERVATIONS BETWEEN NOVEMBER 24TH AND DECEMBER 12TH, INCLUSIVE. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Auckland Island.		^h ^m 22 25	^h ^m 23 25	^h ^m 0 25	^h ^m 1 25	^h ^m 2 25	^h ^m 3 25	^h ^m 4 25	^h ^m 5 25	^h ^m 6 25	^h ^m 7 25	^h ^m 8 25	^h ^m 9 25
DECLINATION.	Mean Reading in Sc. Divs. - -	40.19	46.52	51.20	54.66	56.38	56.55	54.08	51.12	49.18	46.64	45.91	45.87
	Diurnal Variation in { Sc. Divs. - - -	1.92	8.25	12.93	16.39	18.11	18.28	15.81	12.85	10.91	8.37	7.64	7.60
	{ Arc - - - - -	1.40	6.02	9.44	11.96	13.22	13.34	11.54	9.38	7.96	6.11	5.58	5.55
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	25.81	24.61	25.86	27.19	30.79	32.94	33.32	33.44	33.25	32.60	32.44	32.37
	Temperature - - - - -	50.6	52.1	53.5	54.2	54.8	55.3	55.8	54.5	53.1	51.7	50.3	49.5
	Sc. Divs. corrected to 44° Fahr. -	39.34	41.22	45.34	48.10	52.93	56.11	57.51	54.97	5.91	48.39	45.36	43.65
	Diurnal Variation in { Sc. Divs. - - -	10.61	12.49	16.61	19.37	24.20	27.38	28.78	26.24	23.18	19.66	16.63	14.92
{ Parts of Force -	.00155	.00182	.00243	.00283	.00343	.00400	.00420	.00383	.00328	.00287	.00243	.00218	

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°						
26	22	0	29.508	54.0	— ^a	— ^a	— ^a	— ^a	1.0	Gloomy, with rain.
	23	0	29.519	54.0	—	—	—	—	1.0	Overcast.
27	0	0	29.527	54.0	—	—	—	—	1.0	Gloomy; misty.
	1	0	29.523	53.0	—	—	—	—	0.7	
	2	0	29.553	53.0	—	—	—	—	1.0	Overcast; misty.
	3	0	29.574	53.0	—	—	—	—	1.0	Overcast; misty.
	4	0	29.574	53.0	—	—	—	—	1.0	Gloomy; misty.
	5	0	29.576	53.0	—	—	—	—	1.0	Gloomy; misty.
	6	0	29.574	52.0	—	—	—	—	1.0	Overcast.
	7	0	29.584	52.0	—	—	—	—	1.0	Overcast.
	8	0	29.602	52.0	—	—	—	—	—	Misty.
	9	0	29.604	53.0	—	—	—	—	—	Misty.

^a Not recorded.

July 21st and 22nd.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'·727.										DECLINATION.	
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	37·4	37·1	36·0	34·9	34·9	38·1	39·5	41·7	40·0	36·8	36·5	32·4
5	0	37·5	37·2	36·0	34·4	35·4	38·2	38·8	41·8	39·9	35·7	37·0	32·4
10	0	37·4	37·1	35·8	34·8	35·3	38·4	38·3	41·1	39·9	33·9	37·2	32·9
15	0	37·4	36·9	35·5	34·4	35·7	38·4	38·3	41·3	40·1	34·1	37·4	33·1
20	0	37·3	36·7	35·2	34·4	36·0	38·6	38·1	41·4	40·1	34·3	37·9	33·1
25	0	37·1	36·9	35·2	33·9	35·7	38·8	39·1	41·7	40·0	34·2	37·9	34·0
30	0	37·1	36·6	35·0	34·5	35·8	38·9	39·7	41·5	39·9	34·5	38·0	34·3
35	0	37·3	36·4	35·0	34·5	36·4	38·4	40·5	40·3	39·8	34·7	37·9	34·4
40	0	37·1	36·5	34·9	34·5	37·2	38·2	40·9	39·4	39·5	34·3	37·5	34·6
45	0	36·9	36·5	34·7	34·6	37·6	38·3	41·1	39·2	38·6	34·5	36·1	34·6
50	0	37·1	36·3	35·2	34·9	37·9	38·1	41·2	39·4	38·4	35·2	34·4	35·2
55	0	37·1	36·2	35·0	35·0	37·8	38·5	42·0	39·5	38·4	35·9	32·6	34·7

One Scale Division = ·000186 parts of the H. F.		HORIZONTAL FORCE.											
M.	S.	55·7	55·2	54·2	51·3	48·1	42·6	34·5	35·4	40·0	37·4	41·0	43·1
2	30	55·7	55·2	54·2	51·3	48·1	42·6	34·5	35·4	40·0	37·4	41·0	43·1
12	30	55·7	55·2	53·7	50·9	47·7	40·9	34·8	36·5	39·4	40·0	40·1	42·8
22	30	55·6	54·9	53·4	50·3	46·2	39·1	35·1	36·5	38·6	41·0	39·2	42·1
32	30	55·7	54·9	53·0	50·0	45·8	37·6	35·2	35·0	38·4	41·1	39·3	41·5
42	30	55·5	54·8	52·4	49·5	45·5	36·4	34·7	37·4	38·2	41·1	39·1	39·9
52	30	55·6	54·4	52·1	48·8	44·5	35·1	35·0	40·0	38·5	40·9	40·4	37·4

Thermometer	51·5	53·5	55·0	57·0	58·2	59·5	60·5	61·0	62·0	62·0	61·2	61·0
Thermometer	51·5	53·5	55·0	57·0	58·2	59·5	60·5	61·0	62·0	62·0	61·2	61·0

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;

Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Garden Island, Sydney.		9 ^h 25 ^m	10 ^h 25 ^m	11 ^h 25 ^m	12 ^h 25 ^m	13 ^h 25 ^m	14 ^h 25 ^m	15 ^h 25 ^m	16 ^h 25 ^m	17 ^h 25 ^m	18 ^h 25 ^m	19 ^h 25 ^m	20 ^h 25 ^m
DECLINATION.	Mean Reading in Sc. Divs. - -	33·11	32·64	33·11	33·99	34·56	35·04	35·59	36·40	35·88	35·33	35·91	34·65
	Diurnal { Sc. Divs. - - -	0·47	0·00	0·47	1·35	1·92	2·40	2·95	3·76	3·24	2·69	3·27	2·01
	Variation in { Arc - - - - -	0·32	0·00	0·32	1·02	1·39	1·75	2·19	2·77	2·34	1·97	2·41	1·46
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	51·05	51·99	53·66	53·02	54·07	55·19	56·28	57·28	58·31	59·02	60·23	61·20
	Temperature - - - - -	55·9	55·4	54·9	54·5	54·1	53·7	53·3	52·6	51·9	51·7	51·5	51·9
	Sc. Divs. corrected to 51°·5 Fahr.	58·40	58·50	59·34	58·03	58·41	58·86	59·29	59·12	58·98	59·35	60·23	61·87
	Diurnal Variation in { Sc. Divs. - - -	0·37	0·47	1·31	0·00	0·38	0·83	1·26	1·09	0·95	1·32	2·20	3·84
	{ Parts of Force -	·00007	·00009	·00024	·00000	·00007	·00015	·00023	·00020	·00018	·00025	·00041	·00071

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.		Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
		Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H. M.	In.	°						
21	10 0	30·392	62·0	— ^a	— ^a	S. W.	Gentle.	1·0	Passing showers.
	11 0	30·406	60·0	—	—	S. W.	Gentle.	1·0	Rain.
	12 0	30·432	59·0	—	—	S. W.	Light.	1·0	Overcast with rain.
	13 0	30·436	59·0	—	—	S. W.	Light.	1·0	Overcast with rain.
	14 0	30·436	59·0	—	—	S.	Light.	0·6	Passing showers.
	15 0	30·432	60·0	—	—	S.	Light.	0·5	
	16 0	30·422	59·0	—	—	S.	Light.	0·5	
	17 0	30·416	60·0	—	—	S.	Light.	1·0	Overcast and gloomy.
	18 0	30·412	59·0	—	—	S. E.	Fresh.	0·2	
	19 0	30·414	59·0	—	—	S.	Gentle.	0·2	
	20 0	30·420	60·0	—	—	S.	Gentle.	1·0	Overcast and gloomy.
	21 0	30·436	60·0	—	—	S.	Gentle.	1·0	Overcast and gloomy, with heavy passing showers.

^a Not recorded.

MAGNETICAL OBSERVATIONS.

July 21st and 22nd.

Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	34.8	34.8	34.1	33.4	32.8	34.0	35.6	35.9	35.8	36.5	36.1	Sc. Div.	
5	0	35.0	34.6	34.2	33.3	32.8	33.9	35.7	35.9	36.0	36.6	36.1	35.7	
10	0	35.0	34.4	34.5	33.5	33.2	34.5	35.8	36.1	35.9	36.6	36.1	35.7	
15	0	35.6	34.2	34.2	33.6	33.6	34.7	35.9	36.3	35.7	36.5	35.9	35.4	
20	0	35.7	34.1	34.4	34.0	33.6	34.5	35.8	36.3	35.8	35.9	36.0	35.2	
25	0	35.6	34.1	34.2	34.3	33.9	34.8	36.0	36.7	35.8	36.0	35.9	35.0	
30	0	35.4	34.1	33.9	34.4	34.0	34.9	36.0	36.2	35.9	36.1	36.2	35.0	
35	0	35.6	34.0	33.7	34.0	33.8	35.1	35.9	35.8	36.1	36.3	36.1	34.6	
40	0	35.5	34.0	33.8	33.6	33.9	35.0	36.0	35.8	36.3	36.0	35.8	34.5	
45	6	35.3	34.0	33.6	33.4	34.4	35.3	36.2	35.8	36.2	35.8	35.7	34.4	
50	0	35.0	34.0	33.6	33.5	33.8	35.7	36.0	35.9	36.0	35.9	35.5	34.4	
55	0	35.0	33.9	33.5	33.3	33.9	35.7	35.9	35.9	36.0	36.0	35.8	34.4	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00031.	
		2	30	37.2	43.7	44.8	45.9	46.7	47.3	47.7	47.8	48.6	48.7	49.6	51.1
12	30	39.6	44.1	45.0	45.2	46.5	46.9	47.6	48.0	48.3	48.7	49.7	51.0	
22	30	40.5	44.2	45.0	45.4	46.6	46.8	47.4	48.4	48.3	48.9	49.6	51.2	
32	30	41.7	44.5	45.3	45.5	46.6	47.2	47.7	48.4	48.7	49.1	50.0	51.1	
42	30	42.5	44.5	45.5	45.7	47.0	47.5	47.8	48.3	48.4	49.1	50.2	50.9	
52	30	43.4	44.7	45.6	46.5	47.9	47.8	47.7	48.5	48.5	49.5	50.7	50.7	

DERIVED FROM OBSERVATIONS BETWEEN THE 19TH AND 31ST JULY, INCLUSIVE. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Garden Island, Sydney.		21 25	22 25	23 25	0 25	1 25	2 25	3 25	4 25	5 25	6 25	7 25	8 25
DECLINATION.	Mean Reading in Sc. Divs. - -	33.79	32.70	33.41	35.45	37.02	38.11	38.48	37.03	35.64	34.17	34.76	33.91
	Diurnal { Sc. Divs. - - -	1.15	0.06	0.77	2.81	4.38	5.47	5.84	4.39	3.00	1.53	2.12	1.27
	Variation in { Arc - - - - -	0.88	0.04	0.56	2.05	3.21	4.01	4.23	3.21	2.19	1.09	1.53	0.95
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	60.57	58.51	55.56	51.67	48.64	48.22	48.15	47.64	48.38	49.15	49.57	50.71
	Temperature - - - - -	52.2	53.2	54.1	56.0	57.9	58.5	60.0	59.6	59.2	58.3	57.3	57.6
	Sc. Divs. corrected to 51.05 Fahr.	61.74	61.35	59.90	59.19	59.33	59.91	62.35	61.17	61.24	60.51	59.26	60.90
	Diurnal { Sc. Divs. - - -	3.71	3.32	1.87	1.16	1.30	1.88	4.32	3.14	3.21	2.48	1.23	2.87
Variation in { Parts of Force -	.00069	.00062	.00035	.00022	.00024	.00035	.00081	.00058	.00060	.00046	.00023	.00053	

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	— ^a	— ^a	S. S. W.	Light.	1.0	Overcast and gloomy ; rain.
21	22	0	30.452	61.0	—	—	S. S. W.	Light.	1.0	Overcast.
	23	0	30.458	59.0	—	—	S.	Gentle.	0.7	Rain.
22	0	0	30.458	59.0	—	—	S. S. W.	Light.	1.0	Overcast.
	1	0	30.458	58.0	—	—	W. S. W.	Light.	0.5	Occasional rain.
	2	0	30.458	57.0	—	—	W. S. W.	Light.	1.0	Overcast and gloomy.
	3	0	30.458	57.0	—	—	S.	Light.	1.0	Overcast.
	4	0	30.454	56.5	—	—	S.	Light.	1.0	Overcast.
	5	0	30.452	57.0	—	—	S.	Light.	1.0	Overcast.
	6	0	30.448	57.0	—	—	S.	Gentle.	1.0	Overcast.
	7	0	30.430	57.0	—	—	S.	Gentle.	1.0	Overcast; occasional rain.
	8	0	30.434	57.0	—	—	S.	Gentle.	0.6	Heavy rain occasionally.
	9	0	30.450	56.0	—	—	S.	Gentle.	0.1	Heavy clouded horizon.

^a Not recorded.

August 27th and 28th.			MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.					DECLINATION.						
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0		38.0	38.5	38.3	39.9	42.3	43.6	44.0	44.1	42.2	41.9	42.4	42.9
5	0		38.0	38.4	38.4	40.1	42.7	43.3	44.0	44.4	41.9	41.6	42.6	42.4
10	0		37.8	38.0	38.4	39.9	43.1	42.9	44.1	44.5	42.1	41.6	42.7	42.8
15	0		37.8	38.0	38.3	39.6	43.0	42.9	43.7	44.7	42.0	42.0	43.0	42.8
20	0		37.7	37.7	38.9	41.4	43.1	42.9	43.5	44.7	40.9	42.6	43.2	42.3
25	0		37.8	37.6	38.9	41.5	43.1	43.0	43.1	45.4	40.9	43.1	43.5	42.4
30	0		38.0	37.5	39.3	41.7	43.2	43.0	43.3	45.5	40.9	44.0	43.1	42.4
35	0		38.0	37.7	39.4	41.2	43.5	43.2	43.5	45.3	41.1	43.7	43.2	42.8
40	0		37.9	37.6	39.5	41.2	43.5	43.1	43.5	44.7	41.4	43.6	43.4	43.0
45	0		38.4	37.6	39.3	41.9	43.5	43.2	43.8	44.1	41.6	43.4	43.5	42.6
50	0		38.6	37.7	39.3	42.0	43.5	43.4	43.8	42.8	41.8	42.9	43.3	42.5
55	0		38.5	37.6	39.4	42.0	43.5	43.7	43.8	42.6	41.9	42.7	43.3	41.9

		One Scale Division = .000221 parts of the H. F.					HORIZONTAL FORCE.						
M.	S.	93.2	87.2	81.4	69.6	68.4	63.7	58.8	53.5	52.3	56.5	58.8	61.5
2	30	92.3	86.6	79.3	70.2	68.0	62.1	57.7	53.2	52.0	56.0	59.8	62.8
12	30	91.5	86.1	77.8	70.8	66.4	61.3	56.0	51.4	50.7	54.7	60.7	63.4
32	30	90.3	85.4	75.1	68.3	66.1	60.9	55.6	48.3	51.6	53.8	61.5	63.3
42	30	89.1	84.1	72.3	70.3	65.3	60.3	55.6	48.9	53.6	56.4	60.3	64.9
52	30	88.0	82.9	70.6	69.6	64.6	59.4	54.2	50.4	55.5	58.2	60.3	66.0

Thermometer		56.5	57.0	62.0	66.5	71.0	73.7	75.4	76.2	75.2	72.5	69.0	66.2
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DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Bay of Islands, New Zealand.		10 57	11 57	11 57	13 57	14 57	15 57	16 57	17 57	18 57	19 57	20 57	21 57
DECLINATION.	Mean Reading in Sc. Divs. - -	39.22	38.44	37.98	38.68	40.59	41.51	41.62	41.68	39.85	39.51	38.88	38.43
	Diurnal { Sc. Divs. - - -	1.24	0.46	0.00	0.70	2.61	3.53	3.64	3.70	1.87	1.53	0.90	0.45
	Variation in { Arc - - - - -	0.88	0.31	0.00	0.51	1.90	2.55	2.62	2.70	1.39	1.09	0.66	0.33

HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	80.52	83.68	85.25	84.67	84.16	87.97	89.12	89.14	91.22	90.72	88.62	83.77
	Temperature - - - - -	56.1	55.2	54.2	53.9	53.5	52.7	51.9	51.3	50.7	52.6	54.4	56.6
	Sc. Divs. corrected to 50.7 Fahr.	88.35	90.21	90.33	89.31	88.22	90.87	90.86	90.01	91.22	93.48	93.99	92.33
	Diurnal Variation in { Sc. Divs. - - -	2.94	4.80	4.92	3.90	2.81	5.46	5.45	4.60	5.81	8.07	8.58	6.92
	Parts of Force -	.00065	.00106	.00109	.00086	.00062	.00120	.00120	.00102	.00129	.00178	.00190	.00153

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°						
27	10	0	30.214	59.0	— ^a	— ^a	—	Calm.	0.7	Detached opening clouds.
	11	0	30.216	59.0	—	—	E. N. E.	Light.	0.2	
	12	0	30.204	60.0	—	—	W.	Light.	0.6	
	13	0	30.172	61.0	—	—	W.	Light.	0.2	
	14	0	30.150	61.0	—	—	N. N. W.	Light.	0.1	
	15	0	30.150	62.0	—	—	W. S. W.	Gentle.	0.1	
	16	0	30.136	62.0	—	—	W. N. W.	Gentle.	0.1	
	17	0	30.136	62.0	—	—	S. W.	Light.	0.1	
	18	0	30.150	62.0	—	—	S. W.	Light.	0.2	
	19	0	30.158	62.0	—	—	W. N. W.	Light.	0.4	
	20	0	30.168	62.0	—	—	—	Calm.	0.4	Cloudy, with great visibility of distant objects.
	21	0	30.178	62.0	—	—	—	Calm.	0.4	

^a Not recorded.

MAGNETICAL OBSERVATIONS.													August 27th and 28th.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'·727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	41·6	37·1	38·4	39·2	40·7	42·5	40·5	40·8	41·8	42·6	41·6	41·0	
5	0	41·6	37·1	38·9	39·0	40·7	42·2	40·6	40·6	41·8	42·1	41·6	41·0	
10	0	41·1	36·3	39·7	39·1	40·7	41·6	41·0	40·7	42·0	41·9	41·6	41·2	
15	0	40·8	37·4	40·2	39·4	40·8	41·2	41·2	41·0	41·9	41·7	41·4	41·0	
20	0	40·5	38·1	40·0	39·2	40·8	41·1	41·6	41·0	42·0	41·6	41·5	40·6	
25	0	38·9	37·8	39·7	39·1	40·8	41·1	41·8	41·0	42·2	41·5	41·1	40·5	
30	0	37·8	37·2	39·4	39·4	41·0	41·4	41·9	41·0	42·7	41·6	41·2	40·0	
35	0	37·9	37·8	39·6	40·2	41·3	41·3	41·7	41·3	43·0	42·0	41·3	39·7	
40	0	37·7	37·8	39·9	40·4	42·2	41·3	41·6	41·4	43·0	42·4	41·3	39·6	
45	0	37·0	38·9	40·2	40·4	42·6	41·3	41·2	41·4	42·9	42·2	41·4	39·5	
50	0	37·3	38·2	39·9	40·6	42·7	41·1	41·0	41·3	43·0	42·0	41·4	39·6	
55	0	37·5	38·5	39·4	40·7	42·9	40·8	40·9	41·5	42·9	42·0	41·3	39·6	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = ·00032.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	
2	30	66·1	75·6	69·0	70·4	70·3	73·6	72·8	71·5	73·2	74·6	75·5	76·0	
12	30	66·1	76·3	67·4	70·0	70·8	73·9	72·2	71·5	73·2	74·6	76·2	75·7	
22	30	67·1	76·0	66·9	70·0	71·4	72·3	72·2	71·5	74·1	74·2	76·6	76·0	
32	30	71·1	73·8	68·9	69·0	71·3	73·6	72·2	71·4	73·9	75·3	76·5	76·2	
42	30	73·3	70·5	69·6	69·3	72·6	73·9	71·7	71·7	74·7	74·6	76·2	76·2	
52	30	75·0	69·2	70·9	70·0	73·5	73·5	71·7	72·5	75·0	75·1	76·5	75·9	

Thermometer													
		65·0	63·8	63·0	62·7	62·4	62·5	63·4	63·0	63·0	63·0	63·0	63·0
		°	°	°	°	°	°	°	°	°	°	°	°

DERIVED FROM OBSERVATIONS BETWEEN THE 26TH AND 31ST AUGUST, INCLUSIVE. (SUNDAY EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Bay of Islands, New Zealand.		^h ^m 22 57	^h ^m 23 57	^h ^m 0 57	^h ^m 1 57	^h ^m 2 57	^h ^m 3 57	^h ^m 4 57	^h ^m 5 57	^h ^m 6 57	^h ^m 7 57	^h ^m 8 57	^h ^m 9 57
DECLINATION.	Mean Reading in Sc. Divs. - -	38·59	40·02	42·02	43·00	44·06	43·35	42·29	42·09	42·19	40·68	40·18	39·06
	Diurnal { Sc. Divs. - -	0·61	2·04	4·04	5·02	6·08	5·37	4·31	4·11	4·21	2·70	2·20	1·08
	Variation in { Arc - - - - -	0·44	1·46	2·92	3·65	4·45	3·94	3·14	2·99	3·07	1·97	1·61	0·80
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	79·31	74·06	71·53	69·58	66·88	65·52	65·45	67·37	69·17	74·10	76·62	77·22
	Temperature - - - - -	58·7	61·1	63·5	65·0	66·4	66·6	66·7	64·3	61·9	60·0	58·0	57·1
	Sc. Divs. corrected to 50°·7 Fahr.	90·91	89·14	90·09	90·32	89·65	88·58	88·65	87·09	85·41	87·59	87·21	86·50
	Diurnal Variation in { Sc. Divs. - -	5·50	3·73	4·68	4·91	4·24	3·17	3·24	1·68	0·00	2·18	1·80	1·09
	{ Parts of Force -	·00122	·00082	·00103	·00109	·00094	·00070	·00072	·00037	·00000	·00048	·00040	·00024

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	— ^a	— ^a	W.	Light.	0·5	
27	22	0	30·182	64·0	—	—	—	Calm.	0·9	Nearly overcast.
	23	0	30·180	63·5	—	—	—	Calm.	1·0	Overcast.
28	0	0	30·170	63·0	—	—	—	Calm.	1·0	Overcast.
	1	0	30·152	62·0	—	—	W. N. W.	Light.	0·0	Cloudy.
	2	0	30·124	61·0	—	—	W. N. W.	Gentle.	1·0	Overcast and gloomy.
	3	0	30·100	61·0	—	—	N. N. W.	Light.	1·0	
	4	0	30·027	61·0	—	—	W.	Gentle.	0·5	
	5	0	30·066	61·0	—	—	W. N. W.	Light.	1·0	Overcast and gloomy.
	6	0	30·054	61·0	—	—	N. W.	Light.	1·0	Overcast, visibility of distant objects.
	7	0	30·054	62·0	—	—	W. N. W.	Light.	1·0	Overcast and gloomy.
	8	0	30·053	62·0	—	—	N. W.	Light.	1·0	Overcast, visibility of distant objects.
	9	0	30·053	62·0	—	—	W. N. W.	Light.	0·7	

^a Not recorded.

September 22nd and 23rd.			MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.										DECLINATION.		
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.	
0	0		38.9	39.5	41.1	44.0	45.7	46.4	46.7	45.7	46.3	46.5	45.4	44.7	
5	0		38.9	39.5	41.3	44.1	46.0	46.4	46.7	45.8	46.4	46.6	45.4	44.7	
10	0		38.6	39.7	41.8	44.2	46.1	46.4	46.6	45.8	46.4	46.6	45.4	44.4	
15	0		38.7	39.7	41.9	44.5	46.2	46.4	46.6	45.9	46.5	46.4	45.3	44.2	
20	0		39.0	39.9	42.1	44.6	46.2	46.1	46.3	45.9	46.4	46.4	45.3	43.5	
25	0		38.9	40.1	42.2	45.0	46.1	45.9	46.2	45.8	46.4	46.2	45.0	43.4	
30	0		38.8	40.3	42.7	44.9	46.4	46.1	46.2	45.9	46.4	45.9	44.8	43.1	
35	0		38.8	40.5	43.0	45.2	46.2	46.1	46.0	45.8	46.4	45.9	44.8	43.3	
40	0		38.8	40.4	43.0	45.5	46.1	46.1	46.0	45.8	46.4	45.9	45.0	43.4	
45	0		39.0	40.7	43.2	45.5	46.1	46.1	45.9	45.9	46.4	45.8	45.0	43.7	
50	0		39.1	40.8	43.2	45.5	46.3	46.1	45.9	46.3	46.5	45.5	45.0	44.0	
55	0		39.2	41.1	43.4	45.7	46.4	46.3	45.8	46.3	46.6	45.5	44.9	43.8	

M. S.		One Scale Division = .000221 parts of the H. F.										HORIZONTAL FORCE.		
2	30	80.2	77.0	73.1	71.8	70.5	68.0	66.7	65.3	65.9	69.6	71.0	71.7	
12	30	79.0	76.3	72.7	71.5	69.9	67.8	66.1	65.5	66.0	69.6	71.0	72.4	
22	30	79.0	75.5	72.3	71.3	69.4	66.7	66.0	65.6	66.3	70.4	71.2	74.4	
32	30	78.8	74.6	72.2	71.1	69.3	67.2	65.9	66.0	66.9	70.4	71.0	74.0	
42	30	78.9	73.9	72.1	70.8	69.0	66.6	65.6	66.3	67.7	70.5	71.5	76.2	
52	30	78.0	73.7	72.0	70.6	68.3	66.8	65.5	66.0	69.0	70.7	71.7	75.7	

Thermometer														
			61.0	64.0	66.0	66.0	68.0	70.8	71.5	72.0	70.0	67.0	67.0	66.5

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Bay of Islands, New Zealand.		10 57	11 57	12 57	13 57	14 57	15 57	16 57	17 57	18 57	19 57	20 57	21 57
DECLINATION.	Mean Reading in Sc. Divs. - -	42.18	42.76	42.64	42.91	43.66	43.78	43.75	43.66	42.83	41.34	39.89	39.70
	Diurnal { Sc. Divs. - - -	2.48	3.06	2.94	3.21	3.96	4.08	4.05	3.96	3.13	1.64	0.19	0.00
	Variation in { Arc - - - - -	1.82	2.26	2.12	2.34	2.92	2.99	2.98	2.92	2.26	1.17	0.04	0.00

HORIZONTAL FORCE.													
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	78.84	81.02	82.12	82.78	83.58	84.14	84.77	85.95	87.39	87.28	84.43	80.14
	Temperature - - - - -	59.4	58.6	57.8	57.5	57.1	56.5	55.8	55.3	54.8	56.4	57.9	60.5
	Sc. Divs. corrected to 54°.8 Fahr.	85.51	86.53	86.47	86.70	86.92	86.61	86.22	86.68	87.39	89.60	88.93	88.41
	Diurnal { Sc. Divs. - - -	1.18	2.20	2.14	2.37	2.59	2.28	1.89	2.35	3.06	5.27	4.60	4.08
Variation in { Parts of Force.	.00026	.00049	.00047	.00052	.00057	.00050	.00042	.00552	.00068	.00116	00102	.00090	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°						
22	10	0	30.234	60.0	— ^a	— ^a	E.	Light.	0.1	
	11	0	30.238	61.0	—	—	E.	Light.	0.4	
	12	0	30.238	61.0	—	—	E.	Light.	0.2	
	13	0	30.238	62.0	—	—	E.	Gentle.	0.4	
	14	0	30.234	62.0	—	—	N. E.	Gentle.	0.2	
	15	0	30.228	62.0	—	—	N. E.	Gentle.	0.2	
	16	0	30.224	62.0	—	—	N. E.	Gentle.	0.4	
	17	0	30.228	63.5	—	—	N.	Gentle.	0.2	
	18	0	30.230	62.0	—	—	N. E.	Gentle.	0.4	
	19	0	30.240	62.0	—	—	N. E.	Light.	0.1	
	20	0	30.250	61.0	—	—	—	Calm.	0.1	
	21	0	30.240	60.0	—	—	—	Calm.	0.0	Clear.

^a Not recorded.

MAGNETICAL OBSERVATIONS.													September 22nd and 23rd.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	Sc. Div.
0	0	43.9	44.5	44.6	44.1	45.1	44.4	43.9	44.0	43.5	44.1	42.8	41.2	
5	0	43.7	44.6	44.2	44.7	45.2	45.0	44.1	44.0	43.5	44.9	41.7	41.4	
10	0	43.9	44.8	44.7	45.4	44.9	45.9	44.0	43.5	44.0	44.0	42.1	40.8	
15	0	44.7	44.4	44.8	44.0	45.3	45.0	44.0	43.4	43.9	43.8	41.7	40.7	
20	0	44.0	44.2	44.9	44.9	44.8	45.4	44.2	43.4	43.4	45.3	42.1	40.4	
25	0	44.7	43.8	44.5	45.1	45.2	44.9	44.1	43.5	43.2	44.4	41.9	40.6	
30	0	45.1	44.9	45.1	44.8	45.4	45.0	43.9	43.5	44.1	44.9	41.8	40.4	
35	0	45.0	43.7	44.3	45.1	45.0	44.0	43.6	43.9	43.7	45.1	41.7	40.3	
40	0	44.0	43.8	45.6	44.8	45.4	44.9	43.7	43.8	44.0	44.3	41.7	40.2	
45	0	45.6	44.5	44.3	45.2	45.2	44.6	43.9	43.8	44.6	44.3	41.8	39.9	
50	0	44.3	44.1	45.1	45.5	44.6	44.0	44.5	43.7	44.4	44.0	41.7	40.1	
55	0	43.8	44.9	44.9	45.1	45.1	43.8	44.1	43.5	44.8	42.9	41.4	39.7	

M. s.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00032.	
		2	30	75.4	77.6	78.8	81.1	83.0	83.9	86.1	86.3	86.5	87.9	90.4	88.9
12	30	74.1	77.7	79.0	81.7	83.9	85.0	86.1	86.8	87.0	87.8	90.7	88.6	
22	30	73.5	78.4	80.0	82.4	83.6	85.1	86.1	86.7	87.3	87.9	90.9	87.9	
32	30	74.2	78.7	80.3	82.3	83.7	85.4	86.5	86.4	86.6	88.3	90.6	87.0	
42	30	75.4	78.8	81.0	82.4	83.6	85.9	86.3	86.7	86.1	88.7	90.1	86.2	
52	30	77.0	79.1	81.5	82.6	83.9	85.8	86.2	86.6	86.5	89.6	89.5	85.0	

Thermometer												
65.0	62.0	60.0	58.5	57.5	56.4	58.2	57.0	57.0	56.0	54.5	57.0	

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 30TH SEPTEMBER, INCLUSIVE. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Bay of Islands, New Zealand.		22 57	23 57	0 57	1 57	2 57	3 57	4 57	5 57	6 57	7 57	8 57	9 57
DECLINATION.	Mean Reading in Sc. Divs. --	40.84	43.19	45.23	46.41	46.85	46.18	45.41	44.76	44.22	43.65	43.04	42.21
	Diurnal { Sc. Divs. -- --	1.14	3.49	5.53	6.71	7.15	6.48	5.71	5.06	4.52	3.95	3.34	2.51
	Variation in { A.c. -- -- --	0.80	2.55	4.01	4.89	5.26	4.74	4.16	3.72	3.28	2.92	2.41	1.82

HORIZONTAL FORCE.	Mean Reading in Sc. Divs. --	75.68	71.74	69.70	68.49	68.61	68.41	68.82	70.06	72.53	74.03	76.07	77.46
	Temperature -- -- --	63.0	64.6	66.1	66.8	67.5	67.0	66.4	64.8	63.1	61.9	60.7	60.1
	Sc. Divs. corrected to 54°.8 Fahr.	87.57	85.95	86.09	85.89	87.03	86.10	85.64	84.56	84.57	84.33	84.63	85.15
	Diurnal Variation in { Sc. Divs. -- --	3.24	1.62	1.76	1.56	2.70	1.77	1.31	0.23	0.24	0.00	0.30	0.82
	Parts of Force --	.00072	.00036	.00039	.00034	.00060	.00039	.00029	.00005	.00005	.00000	.00007	.00018

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.							
22	22	0	30.252	61.0	— ^a	— ^a	—	Calm.	0.0	Clear.
	23	0	30.256	60.0	—	—	—	Calm.	0.0	Clear.
23	0	0	30.260	61.0	—	—	—	Calm.	0.1	Nearly clear.
	1	0	30.270	62.0	—	—	—	Calm.	0.1	Nearly clear.
	2	0	30.270	60.5	—	—	—	Calm.	0.0	Clear.
	3	0	30.270	60.0	—	—	—	Calm.	0.0	Clear.
	4	0	30.272	59.0	—	—	—	Calm.	0.0	Clear.
	5	0	30.266	58.0	—	—	—	Calm.	—	Foggy.
	6	0	30.268	58.0	—	—	—	Calm.	—	Foggy.
	7	0	30.272	58.0	—	—	—	Calm.	—	Foggy; zenith clear.
	8	0	30.276	58.0	—	—	—	Calm.	—	Foggy.
	9	0	30.276	58.0	—	—	N. E.	Light.	0.0	Blue sky.

^a Not recorded.

October 20th and 21st.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h.	21^{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		43.0	44.7	47.8	50.4	51.4	53.4	52.6	52.7	53.4	51.8	48.7
5	0		43.1	44.9	48.2	50.5	51.5	53.1	52.5	53.5	54.0	51.2	48.9
10	0		43.4	45.1	48.4	50.5	51.6	52.8	53.0	52.9	54.0	50.5	49.2
15	0		43.4	45.5	48.6	50.5	51.9	52.8	53.2	53.0	53.8	50.0	49.2
20	0		43.5	45.9	48.8	50.7	52.6	52.5	53.2	52.9	54.3	49.0	49.0
25	0		43.5	46.0	49.1	50.9	52.6	52.5	53.1	53.1	54.0	48.5	49.0
30	0		43.6	46.4	49.4	51.4	53.6	52.2	53.0	53.3	53.3	47.7	48.9
35	0		43.9	46.6	49.5	51.4	53.9	52.0	52.9	53.5	52.9	46.9	49.0
40	0		44.2	46.9	49.6	51.4	53.7	52.1	52.8	53.4	51.7	46.8	48.8
45	0		44.1	47.2	50.0	51.4	53.7	52.2	52.8	53.5	51.5	47.1	48.7
50	0		44.1	47.4	50.5	51.3	53.8	52.2	52.8	53.5	52.2	47.9	48.9
55	0		44.4	47.6	50.4	51.3	53.9	52.1	52.8	53.8	52.0	48.3	48.4

		One Scale Division = .000221 parts of the H. F.					HORIZONTAL FORCE.						
M.	S.	10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .
2	30	55.1	51.5	47.1	45.5	45.9	46.8	49.9	50.5	45.6	36.8	45.4	48.5
12	30	54.4	51.0	46.5	45.9	46.7	48.8	50.8	49.0	45.1	34.5	46.6	47.7
22	30	53.7	50.5	45.3	46.2	47.4	50.1	49.1	47.6	39.3	33.9	47.9	48.3
32	30	53.4	50.1	45.4	46.1	47.4	50.6	48.7	46.7	36.6	35.7	49.1	47.1
42	30	52.2	49.4	45.4	45.7	45.2	51.1	48.5	46.0	35.9	40.4	49.6	46.4
52	30	51.9	48.5	45.2	45.5	45.3	50.3	49.4	44.6	34.1	44.2	48.9	45.9

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Bay of Islands, New Zealand.		^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m	^h _m
DECLINATION.		46.81	46.24	46.32	46.11	47.07	47.44	47.53	46.81	45.12	43.33	42.08	43.16
Diurnal Variation in	Sc. Divs. - - -	4.73	4.16	4.24	4.03	4.99	5.36	5.45	4.73	3.04	1.25	0.00	1.08
	Arç. - - - - -	3.43	3.07	3.07	2.92	3.65	3.94	4.01	3.43	2.19	0.95	0.00	0.08
HORIZONTAL FORCE.		67.20	69.53	70.98	71.14	71.71	73.23	74.91	75.26	74.98	72.81	68.12	62.75
Temperature - - - - -		93.7	62.8	61.8	61.6	61.3	60.5	59.7	59.6	59.4	61.7	63.9	66.7
Sc. Divs. corrected to 59°.4 Fahr.		73.61	74.60	74.56	74.42	74.54	74.87	75.36	75.56	74.98	76.24	74.83	73.63
Diurnal Variation in	Sc. Divs. - - -	1.08	2.07	2.03	1.89	2.01	2.34	2.83	3.03	2.45	3.71	2.30	1.10
	Parts of Force -	.00024	.00046	.00045	.00042	.00044	.00052	.00063	.00067	.00054	.00082	.00051	.00024

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.							
20	10	0	30.216	69.0	69.5	— ^a	N. by E.	Gentle.	0.1	Fair.
	11	0	30.216	69.0	71.0	—	N. N. E.	Gentle.	0.1	Fair.
	12	0	30.208	69.0	72.0	—	N. by E.	Gentle.	0.1	Fair.
	13	0	30.208	69.0	72.0	—	N. by E.	Gentle.	0.1	Fair.
	14	0	30.196	69.5	73.0	—	N. by E.	Gentle.	0.1	Fair.
	15	0	30.184	70.0	75.5	—	N. N. E.	Gentle.	0.4	Fair.
	16	0	30.176	70.0	74.0	—	N. N. E.	Moderate.	0.7	Nearly overcast.
	17	0	30.182	70.0	73.0	—	N. by E.	Light.	0.7	Nearly overcast.
	18	0	30.180	71.0	70.5	—	N. E.	Light.	0.2	Fair.
	19	0	30.188	71.0	67.0	—	N. E. by E.	Light.	0.4	Fair.
	20	0	30.202	71.0	65.5	—	N. N. E.	Light.	1.0	Overcast and gloomy.
	21	0	30.212	71.0	65.0	—	N. N. E.	Light.	1.0	Overcast and gloomy.

^a Not recorded.

MAGNETICAL OBSERVATIONS.

October 20th and 21st.

Mean Göttingen Time.		DECLINATION.											
		Angular Value of one Scale Division = 0'.727.											
M.	S.	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.
0	0	43.3	45.2	45.6	46.5	47.4	47.2	46.9	48.3	47.3	49.5	46.1	44.3
5	0	44.0	45.4	45.7	46.2	48.0	46.7	47.3	48.7	47.2	49.5	45.8	44.2
10	0	44.4	45.6	45.6	46.1	48.0	47.2	47.3	48.2	47.2	49.3	45.5	44.2
15	0	44.5	45.7	46.1	46.1	48.2	47.4	47.7	47.7	47.0	48.9	45.3	44.2
20	0	44.5	45.8	46.2	47.5	47.5	47.3	48.1	47.4	46.9	48.7	45.7	44.3
25	0	44.8	45.8	46.4	48.4	47.5	46.4	48.3	47.1	46.9	48.6	45.5	44.2
30	0	44.9	45.6	46.3	49.8	47.2	46.1	48.6	47.3	47.4	48.8	45.3	44.1
35	0	45.7	45.1	46.7	49.1	47.2	45.7	48.3	47.4	47.6	48.5	44.9	44.3
40	0	44.8	45.0	46.7	48.9	47.0	45.7	48.3	47.1	48.4	48.4	45.0	44.3
45	0	45.3	44.9	46.3	47.9	47.0	46.0	48.1	47.3	49.2	47.6	44.7	44.3
50	0	45.1	45.2	46.4	48.1	47.2	46.0	48.4	47.6	49.4	46.9	44.6	44.0
55	0	45.3	45.2	47.1	48.2	47.8	47.0	48.1	47.5	49.5	46.4	44.4	43.9

M. S.		HORIZONTAL FORCE.											
		Change in the Magnetic Moment of the Bar for 1° Fahr. = .00033.											
2	30	48.8	51.7	50.3	51.8	59.1	57.3	56.6	56.6	56.9	54.8	55.3	55.6
12	30	49.6	51.3	50.7	60.7	58.8	57.7	56.0	56.6	56.6	56.1	55.2	55.7
22	30	49.5	51.6	51.4	65.2	58.2	58.4	55.5	57.2	56.1	55.8	55.3	55.5
32	30	49.8	53.2	51.6	62.6	57.8	59.3	56.1	57.7	54.8	55.4	55.4	54.6
42	30	50.3	52.4	51.5	60.4	57.3	59.0	56.5	58.1	54.7	54.8	55.3	54.6
52	30	51.0	51.5	52.1	59.4	56.8	57.6	56.2	57.2	54.5	55.1	55.5	54.0

Thermometer													
		73.0	72.2	71.5	70.7	69.7	68.5	67.8	68.0	68.0	67.8	67.2	68.0

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 23RD OCTOBER, INCLUSIVE. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Bay of Islands, New Zealand.		22 57	23 57	0 57	1 57	2 57	3 57	4 57	5 57	6 57	7 57	8 57	9 57
DECLINATION.	Mean Reading in Sc. Divs. - -	45.59	48.50	50.75	51.36	51.16	50.32	49.58	48.84	48.99	47.80	47.35	47.09
	Diurnal { Sc. Divs. - - -	3.51	6.42	8.67	9.28	9.08	8.24	7.50	6.76	6.91	5.72	5.27	5.01
	Variation in { Arc. - - - - -	2.55	4.67	6.35	6.79	6.64	6.00	5.47	4.96	5.04	4.16	3.87	3.65
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	58.76	57.16	56.13	55.90	55.68	55.53	55.26	55.75	58.08	60.77	63.08	64.96
	Temperature - - - - -	69.5	70.8	72.1	72.8	73.5	73.2	72.8	71.0	69.1	67.6	66.0	64.9
	Sc. Divs. corrected to 59°.4 Fahr.	73.81	74.15	75.05	75.87	76.69	76.09	75.23	73.03	72.53	73.39	72.91	73.16
	Diurnal { Sc. Divs. - - -	1.28	1.62	2.52	3.34	4.16	3.56	2.70	0.50	0.00	0.86	0.38	0.63
Variation in { Parts of Force	.00028	.00036	.00056	.00074	.00092	.00079	.00060	.00011	.00000	.00019	.00008	.00014	

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	— ^a				
20	22	0	30.212	71.0	64.0	—	N. N. E.	Light.	1.0	Overcast.
	23	0	30.214	71.0	63.0	—	N. N. E.	Light.	0.6	Partially overcast.
21	0	0	30.202	69.5	62.0	—	—	Calm.	0.5	Partially overcast.
	1	0	30.202	70.0	62.0	—	—	Calm.	0.4	Fair.
	2	0	30.188	69.5	63.0	—	—	Calm.	0.4	Fair.
	3	0	30.170	69.0	64.0	—	—	Calm.	0.7	Lightning N. W.
	4	0	30.154	69.0	63.0	—	N. E.	Light.	1.0	Overcast and gloomy.
	5	0	30.148	69.0	63.0	—	—	Calm.	0.7	Nearly overcast.
	6	0	30.142	69.0	60.0	—	—	Calm.	1.0	Overcast.
	7	0	30.144	69.0	60.0	—	—	Calm.	1.0	Overcast and gloomy.
	8	0	30.158	69.0	62.0	—	—	Calm.	1.0	Overcast and gloomy.
	9	0	30.138	69.0	66.0	—	—	Calm.	1.0	Overcast.

^a Not recorded.

April 20th and 21st.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.727.										DECLINATION.	
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	44.3	43.9	43.4	43.2	43.0	41.3	42.1	38.8	40.1	41.8	44.2	43.7
5	0	44.4	43.9	43.1	43.2	42.4	41.3	40.4	38.9	40.0	41.6	44.3	43.6
10	0	44.4	44.0	43.0	43.4	42.0	41.3	38.0	39.0	40.3	41.4	44.6	43.4
15	0	44.2	44.1	43.1	43.0	42.0	41.0	36.8	39.2	40.4	41.3	44.7	43.2
20	0	44.4	44.1	43.2	42.0	42.2	41.2	36.7	39.5	40.9	41.4	44.2	43.0
25	0	44.1	43.9	43.3	42.1	42.2	41.6	37.4	39.7	41.4	41.4	44.0	43.0
30	0	44.0	43.9	43.2	42.1	42.3	42.1	37.8	40.2	41.7	40.7	43.5	43.1
35	0	43.9	43.7	43.3	42.1	42.8	43.2	38.5	40.0	42.4	40.7	43.1	43.1
40	0	43.7	43.6	43.2	42.2	42.8	43.9	38.9	40.0	42.8	41.4	43.7	43.3
45	0	43.8	43.7	43.0	42.6	42.3	44.0	38.9	40.5	42.8	42.6	43.3	43.2
50	0	43.8	43.7	42.9	42.9	42.3	43.8	38.9	40.4	42.8	43.6	43.5	43.2
55	0	43.9	43.6	43.0	42.9	41.8	43.1	39.0	40.3	42.4	43.7	43.5	43.3

M. s.		One Scale Division = .000238 parts of the H. F.										HORIZONTAL FORCE.	
2	30	65.2	65.4	64.1	64.6	65.3	62.8	62.9	63.0	61.6	62.2	64.2	65.7
12	30	65.5	65.4	63.8	64.9	66.1	64.3	63.7	62.2	61.2	62.5	65.0	65.2
22	30	65.6	65.3	63.6	68.1	64.0	63.9	66.0	62.0	61.5	62.7	64.9	64.8
32	30	65.5	65.0	63.6	67.3	64.4	64.6	66.2	62.0	61.7	62.4	65.6	64.5
42	30	65.4	64.7	63.4	66.6	65.1	64.7	65.0	62.3	61.9	63.4	65.1	64.1
52	30	65.3	64.4	64.4	65.7	63.6	64.0	64.1	62.0	62.5	64.0	65.5	64.3

Thermometer												
50.0	51.0	51.2	51.5	52.0	52.2	53.0	53.0	53.2	53.2	53.2	53.2	53.5

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Lewis, Berkeley Sound East Falkland Island		7 28	8 28	9 28	10 28	11 28	12 28	13 28	14 28	15 28	16 28	17 28	18 28
DECLINATION.	Mean Reading in Sc. Divs. - -	43.93	42.69	41.67	42.53	45.23	47.48	48.07	47.13	45.75	44.51	44.23	44.04
	Diurnal Sc. Divs. - - -	2.26	1.02	0.00	0.86	3.56	5.81	6.40	5.46	4.08	2.84	2.56	2.37
	Variation in Arc. - - - -	1.68	0.74	0.00	0.63	2.62	4.23	4.67	4.01	2.99	2.05	1.90	1.75
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	69.83	68.75	67.78	65.26	63.54	62.75	63.73	64.41	64.40	64.73	65.00	66.21
	Temperature - - - - -	46.0	46.3	46.5	47.6	49.6	50.5	51.3	51.9	52.4	51.8	51.2	50.3
	Sc. Divs. corrected to 48°.8 Fahr.	70.08	69.38	68.66	67.53	68.33	68.67	70.66	72.10	72.72	72.29	71.80	71.88
	Diurnal Sc. Divs. - - -	2.55	1.85	1.13	0.00	0.80	1.14	3.13	4.57	5.19	4.76	4.27	4.35
Variation in Parts of Force	.00061	.00044	.00027	.00000	.00019	.00027	.00074	.00109	.00124	.00113	.00102	.00104	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
20	10	0	29.624	48.0	45.4	45.0	N.	Strong.	0.9	Nearly overcast. Gloomy.
	11	0	29.622	49.0	47.0	—	N.	Moderate.	0.7	
	12	0	29.594	50.0	45.5	44.7	N.	Moderate.	0.6	
	13	0	29.619	50.0	46.0	—	N.	Moderate.	0.5	
	14	0	29.600	52.0	45.5	45.2	N. by E.	Moderate.	0.5	
	15	0	29.588	52.0	46.5	—	N.	Moderate.	0.5	
	16	0	29.588	52.0	45.0	44.2	N. N. W.	Moderate.	0.6	
	17	0	29.567	52.0	46.5	—	N. N. W.	Gentle.	0.7	
	18	0	29.532	52.5	45.0	44.4	N. N. W.	Gentle.	0.4	
	19	0	29.535	53.0	46.0	—	N. N. W.	Gentle.	0.5	
	20	0	29.512	53.0	45.4	44.6	N. by W.	Gentle.	0.4	
	21	0	29.492	52.5	47.0	—	N. by W.	Gentle.	0.2	

MAGNETICAL OBSERVATIONS.													April 20th and 21st.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	43.1	43.2	43.3	44.3	42.1	42.8	45.8	46.8	47.4	47.7	46.1	44.4	
5	0	43.0	43.8	45.4	43.9	42.0	42.9	46.0	47.3	47.7	47.4	46.1	44.5	
10	0	42.8	44.1	45.4	43.3	42.0	43.4	46.1	47.6	47.7	47.5	46.1	44.3	
15	0	43.1	43.9	45.5	43.2	41.9	43.7	46.1	47.8	48.0	47.2	46.1	44.4	
20	0	42.9	44.0	45.6	43.1	42.0	43.8	46.2	48.1	48.1	46.9	46.2	44.7	
25	0	42.9	43.6	45.5	42.8	42.0	44.2	46.4	48.1	48.1	46.4	46.2	44.8	
30	0	42.9	43.7	45.2	42.9	42.4	44.2	46.6	48.0	48.3	46.3	46.1	44.8	
35	0	43.2	44.3	44.7	42.9	42.5	44.3	46.9	47.9	48.3	46.1	45.9	44.5	
40	0	43.0	44.9	44.6	42.6	42.6	44.4	46.9	47.6	48.2	46.0	45.6	44.3	
45	0	43.0	45.4	44.7	42.5	42.6	44.9	46.9	47.6	48.2	46.1	45.1	44.5	
50	0	43.0	45.5	44.6	42.1	42.6	45.4	46.6	47.5	48.2	46.1	44.7	44.8	
55	0	43.0	45.5	44.4	42.1	42.7	45.6	46.8	47.4	48.0	46.1	44.7	45.0	

M S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00030.	
2	30	63.9	64.4	61.5	61.4	61.0	58.5	54.0	54.2	54.5	55.7	57.3	58.0	
12	30	64.1	63.8	61.8	61.8	60.3	57.7	54.0	53.9	54.8	56.0	57.3	58.6	
22	00	64.4	63.0	61.8	62.0	60.2	57.1	54.2	54.2	54.6	56.3	57.5	58.9	
32	30	64.6	62.9	61.4	61.8	60.0	57.2	54.6	54.3	55.0	56.5	57.5	59.1	
42	30	64.6	62.5	61.2	61.5	60.2	56.2	54.9	54.6	55.0	56.9	57.4	59.3	
52	30	64.5	61.7	61.4	61.3	59.2	54.5	54.8	54.8	55.3	57.1	57.9	59.4	

Thermometer													
53.5	55.0	55.5	55.5	56.4	57.4	58.5	60.5	60.2	59.5	58.2	57.5		

DERIVED FROM OBSERVATIONS BETWEEN THE 18TH AND 23RD APRIL, INCLUSIVE.

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island		^h ^m 19 28	^h ^m 20 28	^h ^m 21 28	^h ^m 22 28	^h ^m 23 28	^h ^m 0 28	^h ^m 1 28	^h ^m 2 28	^h ^m 3 28	^h ^m 4 28	^h ^m 5 28	^h ^m 6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	44.03	43.66	43.52	42.98	42.79	42.70	42.81	43.28	43.30	43.34	43.58	44.13
	Diurn { Sc. Divs. - - -	2.36	1.99	1.85	1.31	1.12	1.03	1.14	1.61	1.63	1.67	1.91	2.46
	Variation in { Arc. - - - -	1.75	1.46	1.39	0.95	0.80	0.73	0.80	1.17	1.17	1.24	1.39	1.82
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	66.83	68.05	68.75	68.87	69.23	69.42	69.99	69.75	70.01	70.25	70.41	70.43
	Temperature - - - - -	49.5	49.1	48.7	47.9	47.1	46.8	46.4	46.3	46.1	46.0	45.8	45.9
	Sc. Divs. corrected to 40°.2 Fahr.	71.49	72.21	72.40	71.52	70.87	70.68	70.75	70.38	70.39	70.50	70.41	70.56
	Diurnal Variation in { Sc. Divs. - -	3.96	4.68	4.87	3.99	3.34	3.15	3.22	2.85	2.86	2.97	2.88	3.03
	{ Parts of Force -	.00094	.00111	.00116	.00095	.00079	.00075	.00077	.00068	.00068	.00071	.00069	.00072

Declination, and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
20	22	0	29.486	52.0	45.5	44.8	N. W.	Light.	1.0	Overcast and gloomy.
	23	0	29.477	53.0	47.0	—	N. W.	Light.	1.0	Overcast.
21	0	0	29.480	55.0	46.5	45.7	N. W.	Light.	0.2	
	1	0	29.485	54.0	48.0	—	N. W.	Light.	0.2	
	2	0	29.480	55.0	50.0	48.9	N. W.	Moderate.	0.5	
	3	0	29.465	55.5	53.0	—	W. N. W.	Moderate.	0.9	Squally.
	4	0	29.488	56.2	51.8	49.8	N. W.	Light.	0.2	Sun bright
	5	0	29.453	58.0	55.5	—	N. W.	Gentle.	0.7	
	6	0	29.444	59.0	53.8	50.6	N. W.	Gentle.	—	Detached opening clouds.
	7	0	29.421	58.0	54.0	—	W. N. W.	Moderate.	0.2	
	8	0	29.340	57.0	50.8	49.0	W.	Gentle.	0.7	
	9	0	29.481	56.0	52.0	—	W.	Light.	0.6	

May 2nd and 3rd.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.727.						DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	29.9	30.2	30.5	29.2	29.9	30.1	29.5	30.0	29.9	31.1	30.5	30.0
5	0	29.9	30.4	30.5	29.2	30.0	30.1	29.6	29.9	30.0	30.8	30.2	29.9
10	0	30.0	30.2	30.3	29.3	30.0	29.9	29.6	29.9	29.9	30.8	30.3	30.0
15	0	30.1	30.2	30.4	29.5	30.0	29.8	29.6	30.0	29.8	30.6	30.2	29.9
20	0	30.1	30.5	30.5	29.5	30.0	29.7	29.8	29.9	29.8	30.7	30.1	30.1
25	0	30.3	30.6	30.4	29.5	30.0	29.6	29.7	30.0	30.0	30.8	30.1	30.1
30	0	30.1	30.7	30.1	29.5	29.9	29.6	29.6	29.9	30.2	30.3	30.1	30.1
35	0	30.3	30.7	29.3	29.6	30.0	29.6	29.7	30.0	30.6	30.7	30.1	30.2
40	0	30.2	30.5	29.1	29.8	30.1	29.4	29.8	30.0	30.7	31.0	30.0	30.3
45	0	30.0	30.5	29.2	29.8	30.0	29.4	29.9	30.0	30.7	31.0	30.1	30.4
50	0	29.7	30.4	29.0	29.8	30.0	29.4	29.9	30.0	31.0	30.9	29.9	30.4
55	0	30.0	30.4	29.0	29.9	30.0	29.5	29.9	30.0	31.0	30.7	30.0	30.3

One Scale Division = .000238 parts of the H. F.		HORIZONTAL FORCE.											
M.	s.	98.0	97.9	96.2	95.0	95.0	95.1	95.0	94.8	94.8	95.2	95.1	95.0
2	30	98.0	97.7	95.9	94.9	94.9	95.9	94.6	94.8	94.8	95.0	95.4	94.8
12	30	98.0	97.5	95.6	94.8	95.0	95.7	94.5	94.9	94.5	94.8	95.4	94.9
22	30	97.9	97.0	95.2	95.0	94.8	95.3	94.5	95.0	95.0	95.0	95.2	95.0
32	30	98.0	97.0	94.8	95.0	94.9	95.0	94.6	94.8	95.0	95.0	95.2	94.9
42	30	98.2	96.6	94.8	95.2	95.0	95.1	94.8	94.6	95.6	95.0	95.1	94.8

Thermometer	38.0	38.5	39.2	40.0	41.2	42.0	42.0	42.0	42.0	42.0	41.5	41.7
	38.0	38.5	39.2	40.0	41.2	42.0	42.0	42.0	42.0	42.0	41.5	41.7

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island		7 28	8 28	9 28	10 28	11 28	12 28	13 28	14 28	15 28	16 28	17 28	18 28
DECLINATION.	Mean Reading in Sc. Divs. - -	35.02	34.56	33.86	34.42	36.02	37.60	37.90	37.03	35.45	34.92	34.59	34.58
	Diurnal Variation in { Sc. Divs. - - -	1.16	0.70	0.00	0.56	2.16	3.74	4.04	3.17	1.59	1.06	0.73	0.72
	{ Arc. - - - - -	0.88	0.51	0.00	0.39	1.61	2.70	2.93	2.34	1.17	0.80	0.53	0.53
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	89.49	89.31	88.39	87.15	86.02	85.72	85.91	86.22	86.47	86.34	86.70	86.93
	Temperature - - - - -	42.0	41.9	41.9	42.9	43.8	44.6	45.1	45.3	45.5	45.0	44.4	44.0
	Sc. Divs. corrected to 41°.9 Fahr.	89.61	89.31	88.39	88.37	88.34	89.01	89.81	90.37	90.86	90.12	89.65	89.49
	Diurnal Variation in { Sc. Divs. - - -	1.27	0.97	0.05	0.03	0.00	0.67	1.47	2.03	2.52	1.78	1.31	1.15
{ Parts of Force -	.00030	.00023	.00001	.00001	.00000	.00016	.00035	.00048	.00060	.00042	.00031	.00027	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS;										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
2	10	0	28.982	35.0	30.6	29.6	N. W. by N.	Light.	1.0	Overcast and gloomy.
	11	0	28.988	37.5	31.8	31.2	W. N. W.	Light.	1.0	Overcast; temporary passing showers; snow.
	12	0	28.986	39.4	30.8	30.0	W. N. W.	Light.	0.9	Gloomy dark weather.
	13	0	29.000	40.7	30.8	30.2	N. W.	Light.	0.7	Temporary passing showers.
	14	0	29.004	41.0	31.6	Frozen.	W.	Moderate.	0.7	Gloomy dark weather.
	15	0	29.018	41.0	31.5	Frozen.	W.	Gentle.	0.6	
	16	0	29.040	41.0	28.0	Frozen.	W.	Light.	0.1	
	17	0	29.050	40.0	27.2	Frozen.	W.	Light.	0.1	
	18	0	29.062	40.0	25.6	Frozen.	W.	Light.	0.1	
	19	0	29.068	40.2	27.2	Frozen.	W.	Light.	0.2	
	20	0	29.060	40.0	30.0	Frozen.	W.	Light.	0.1	
	21	0	29.054	40.6	33.0	Frozen.	N. W.	Gentle.	0.5	

MAGNETICAL OBSERVATIONS.													May 2nd and 3rd.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'·727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	Sc. Div.
0	0	30·5	30·1	29·9	29·5	28·6	29·0	30·0	32·3	33·3	31·9	30·1	29·8	
5	0	30·4	30·3	29·9	29·4	28·6	29·0	30·2	32·6	33·5	31·7	29·7	30·1	
10	0	30·2	30·0	30·1	29·4	28·6	29·1	30·5	32·8	33·4	31·6	30·0	29·7	
15	0	30·2	30·0	30·0	29·4	28·5	29·1	30·6	33·0	33·1	31·7	30·0	30·1	
20	0	30·1	30·0	29·8	29·3	28·6	29·2	30·5	33·2	33·1	31·4	30·1	29·8	
25	0	30·1	29·8	29·5	29·3	28·5	29·6	30·5	33·2	33·0	31·0	30·2	29·8	
30	0	30·3	30·0	29·5	29·2	28·5	29·6	30·8	33·4	33·0	31·0	30·2	29·7	
35	0	30·2	30·0	29·6	29·0	28·5	29·6	31·2	33·5	32·8	30·8	30·1	29·9	
40	0	30·1	30·0	29·6	29·4	28·6	29·9	31·4	33·3	32·5	30·4	30·0	29·5	
45	0	30·0	29·9	29·4	29·1	28·9	30·1	31·6	33·3	32·3	30·1	29·9	30·0	
50	0	30·0	29·9	29·6	28·8	28·9	30·1	31·7	33·4	32·1	30·1	29·6	29·8	
55	0	30·2	30·1	29·5	28·7	28·9	30·1	31·8	33·4	32·1	30·2	29·8	29·9	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = ·00029.	
		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	
2	30	94·6	93·9	93·4	93·6	94·0	93·2	92·0	92·2	93·0	93·8	94·5	94·8	
12	30	94·6	94·0	93·6	93·4	93·8	93·2	92·0	92·5	93·0	94·0	94·6	94·9	
22	30	94·4	93·7	93·5	93·5	93·6	92·7	92·0	92·7	93·0	94·1	94·8	94·6	
32	30	94·4	93·8	93·7	93·5	93·5	93·0	92·0	92·9	93·2	94·1	94·8	94·5	
42	30	94·2	93·7	93·6	93·9	93·3	92·5	92·0	92·9	93·3	94·3	94·8	94·6	
52	30	94·2	93·5	93·6	93·8	93·3	92·4	92·0	92·9	93·6	94·5	94·9	94·6	

Thermometer																							
42	2	43	0	43	8	44	2	44	0	43	2	43	2	43	8	43	5	43	0	42	0	42	2

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 31ST MAY INCLUSIVE. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Lewis, Berkeley Sound, East Falkland Island		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
		19 28	20 28	21 28	22 28	23 28	0 28	1 28	2 28	3 28	4 28	5 28	6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	34·62	34·51	34·37	34·23	34·41	34·61	34·70	34·84	34·89	35·16	35·34	35·01
	Diurnal Variation in { Sc. Divs. - -	0·76	0·65	0·51	0·37	0·55	0·75	0·84	1·01	1·03	1·30	1·48	1·15
	{ Arc. - - - -	0·55	0·47	0·37	0·27	0·48	0·55	0·61	0·74	0·75	0·95	1·09	0·88
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	87·11	87·48	88·09	88·63	87·95	88·10	88·31	88·64	88·86	89·02	89·49	89·57
	Temperature - - - - -	43·5	43·1	42·7	43·0	43·2	43·1	42·9	42·8	42·6	42·3	42·0	42·10
	Sc. Divs. corrected to 41°·9 Fahr.	89·06	88·94	89·07	89·97	89·54	89·56	89·53	89·74	89·71	89·51	89·61	89·69
	Diurnal Variation in { Sc. Divs. - -	0·72	0·60	0·73	1·63	1·20	1·22	1·19	1·40	1·37	1·17	1·27	1·35
{ Parts of Force -	·00017	·00014	·00017	·00039	·00029	·00029	·00028	·00033	·00033	·00028	·00030	·00032	

Declination, and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
2	22	0	29·034	41·4	31·6	Frozen.	N. W.	Gentle.	0·7	
	23	0	28·994	42·7	35·7	33·4	N.	Moderate.	0·7	Gloomy dark weather.
3	0	0	28·960	43·4	36·2	34·2	N. W.	Moderate.	0·4	
	1	0	28·948	43·5	37·3	35·6	N. W. by W.	Moderate.	0·7	Gloomy dark weather.
	2	0	28·974	42·0	32·8	31·8	W.	Moderate.	1·0	Thick snow.
	3	0	28·980	41·4	33·0	32·5	W.	Moderate.	0·9	
	4	0	28·986	41·7	34·2	33·0	W.	Light.	0·6	
	5	0	29·012	41·0	33·6	32·2	W.S.W.	Fresh.	—	Squally passing temporary showers; snow.
	6	0	29·036	41·2	34·0	32·2	W.S.W.	Gentle.	0·2	
	7	0	29·052	41·2	33·6	31·8	W. by S.	Gentle.	0·5	
	8	0	29·086	39·2	32·4	31·0	W. by S.	Fresh.	1·0	Overcast; squally; snow.
	9	0	29·128	40·0	29·5	30·4	W. N. W.	Light.	0·2	

July 20th and 21st.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'·727.						DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18.	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	44·7	44·5	45·1	42·2	43·4	44·3	44·4	43·9	44·6	44·1	44·2	44·4
5	0	44·7	44·7	45·1	42·2	43·5	44·4	44·4	43·9	44·7	44·1	44·3	44·4
10	0	44·5	45·1	45·1	42·2	43·6	44·3	44·3	43·9	44·8	44·1	44·3	44·5
15	0	44·4	45·5	45·1	42·6	43·8	44·2	44·3	44·0	44·8	44·1	44·2	44·5
20	0	44·3	45·9	44·9	42·9	44·1	44·1	44·4	44·0	44·7	43·9	44·1	44·4
25	0	44·1	46·0	44·8	43·2	43·9	44·2	44·4	44·2	44·5	43·9	44·2	44·5
30	0	43·9	45·8	44·7	43·1	44·1	44·4	44·4	44·2	44·4	43·7	44·2	44·4
35	0	43·8	45·5	44·4	43·1	44·3	44·5	44·3	44·3	44·5	43·7	44·3	44·5
40	0	43·9	45·5	43·8	43·3	44·4	44·5	44·2	44·3	44·5	43·7	44·4	44·4
45	0	44·1	45·5	43·5	43·1	44·3	44·5	44·2	44·3	44·4	43·9	44·4	44·4
50	0	44·3	45·3	43·1	43·2	44·2	44·5	44·2	44·4	44·3	44·0	44·3	44·5
55	0	44·4	45·1	42·6	43·2	44·2	44·5	43·9	44·5	44·2	44·1	43·8	44·5

One Scale Division = ·000238 parts of the H. F.		HORIZONTAL FORCE.											
M.	s.	47·0	47·9	47·0	47·5	47·3	46·6	46·7	47·1	47·6	47·9	47·6	47·7
2	30	47·0	47·4	47·0	47·9	47·1	46·2	46·8	47·0	47·8	46·9	47·7	47·9
12	30	47·2	47·0	47·0	48·0	47·0	46·1	46·8	47·1	47·8	48·0	47·6	47·9
32	30	47·6	47·0	47·0	48·0	46·8	46·2	46·8	47·9	48·2	48·0	47·9	48·0
42	30	48·0	47·1	46·5	48·0	46·8	46·4	47·1	47·5	48·2	47·8	47·8	48·0
52	30	48·1	47·0	46·8	47·7	47·0	46·3	47·1	47·7	48·1	47·5	47·7	48·0

Thermometer	42·0	42·0	42·8	43·0	43·8	44·0	43·8	43·5	43·8	43·2	43·0	43·0
	°	°	°	°	°	°	°	°	°	°	°	°

DIURNAL VARIATION OF THE DECLINATION OF THE HORIZONTAL FORCE;

Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		^h ^m 7 28	^h ^m 8 28	^h ^m 9 28	^h ^m 10 28	^h ^m 11 28	^h ^m 12 28	^h ^m 13 28	^h ^m 14 28	^h ^m 15 28	^h ^m 16 28	^h ^m 17 28	^h ^m 18 28
DECLINATION.	Mean Reading in Sc. Divs. - -	46·75	46·56	46·13	46·04	46·38	46·80	47·08	46·64	46·00	45·22	45·37	45·41
	Diurnal Variation in { Sc. Divs. - - -	2·82	2·63	2·20	2·11	2·43	2·87	3·15	2·71	2·07	1·29	1·44	1·48
	{ Arc. - - - - -	2'·05	1'·90	1'·61	1'·53	1'·75	2'·12	2'·34	1'·97	1'·53	0'·95	1'·02	1'·09
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	49·30	49·48	49·34	48·83	47·95	47·28	46·88	46·49	46·30	45·87	45·78	46·28
	Temperature - - - - -	40·3	40·4	40·4	41·0	41·5	42·1	42·7	43·0	43·2	42·8	42·3	41·8
	Sc. Divs. corrected to 40°·2 Fahr.	49·42	49·72	49·58	49·77	49·48	49·52	49·83	49·79	49·84	48·94	48·26	48·17
	Diurnal Variation in { Sc. Divs. - - -	1·54	1·84	1·70	1·89	1·60	1·64	1·95	1·91	1·96	1·06	0·38	0·29
{ Parts of Force	·00037	·00044	·00040	·00045	·00038	·00039	·00046	·00045	·00047	·00025	·00009	·00007	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
20	10	0	29·644	39·0	33·8	32·2	W. S. W.	Moderate.	0·2	Blue sky.
	11	0	29·696	40·0	32·5	31·8	S. W.	Gentle.	0·9	
	12	0	29·712	41·5	31·6	Frozen.	S. W.	Gentle.	0·0	
	13	0	29·732	41·8	32·0	Frozen.	S. W.	Light.	0·2	
	14	0	29·740	43·0	31·5	Frozen.	S. W.	Light.	0·1	
	15	0	29·746	43·0	31·5	Frozen.	S. W.	Light.	0·1	
	16	0	29·746	42·5	34·0	Frozen.	S. W.	Moderate.	0·1	
	17	0	29·700	41·0	33·4	Frozen.	W. by S.	Moderate.	0·4	
	18	0	29·736	41·4	31·2	Frozen.	W.	Light.	0·2	
	19	0	29·758	41·2	30·6	Frozen.	W.	Gentle.	0·7	
	20	0	29·764	41·0	29·2	Frozen.	W.	Light.	0·1	
	21	0	29·778	40·6	28·4	Frozen.	W.	Light.	0·1	

MAGNETICAL OBSERVATIONS.													July 20th and 21st.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	44.8	45.1	44.6	44.6	44.0	44.2	44.7	45.5	45.9	46.1	44.9	44.5	
5	0	44.9	45.0	44.7	44.6	44.0	44.3	45.0	45.6	46.0	46.0	44.9	44.4	
10	0	44.9	45.5	44.8	44.5	44.0	44.3	45.0	45.6	45.9	46.1	44.7	44.5	
15	0	44.9	45.0	44.9	44.5	44.1	44.3	45.1	45.6	46.2	46.0	44.7	44.3	
20	0	44.9	44.9	44.9	44.5	44.0	44.2	45.1	45.8	46.3	45.8	44.6	44.2	
25	0	44.9	44.9	44.8	44.5	44.1	44.3	45.1	45.9	46.0	45.7	44.7	44.1	
30	0	44.9	45.0	44.7	44.4	44.0	44.6	45.2	46.0	45.8	45.5	44.8	44.1	
35	0	44.9	44.9	44.7	44.1	43.9	44.7	45.4	45.9	45.8	45.5	44.7	44.1	
40	0	44.9	44.9	44.7	44.1	43.8	44.5	45.4	46.1	45.8	45.3	44.5	44.1	
45	0	45.0	44.8	44.6	44.2	43.9	44.6	45.3	46.3	45.9	45.1	44.6	44.1	
50	0	45.0	44.7	44.7	44.1	44.1	44.7	45.4	46.2	46.0	45.0	44.4	44.1	
55	0	45.0	44.6	44.7	44.1	44.2	44.6	45.5	46.1	46.0	45.0	44.4	43.9	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00028.	
2	30	48.1	48.7	49.0	48.8	48.0	46.6	46.2	46.5	46.8	46.5	46.3	46.0	
12	30	48.1	48.8	48.9	48.7	48.0	46.3	46.2	46.8	46.8	46.3	46.0	46.0	
22	30	48.3	48.9	49.0	48.6	47.8	46.2	46.1	46.8	46.4	46.1	46.1	46.0	
32	30	48.4	49.0	49.0	48.1	47.4	46.1	46.5	46.7	46.3	46.0	46.2	46.0	
42	30	48.5	48.8	48.8	48.2	47.2	46.3	46.6	46.9	46.5	45.9	46.2	46.1	
52	30	48.5	49.0	48.9	48.0	47.0	46.1	46.6	46.8	46.4	46.1	46.0	46.2	

Thermometer													
43.0	43.0	43.0	42.8	42.8	43.0	43.0	43.4	44.2	45.3	45.4	45.2		

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 31ST JULY. (SUNDAYS EXCEPED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		19 28	20 28	21 28	22 28	23 28	0 28	1 28	2 28	3 28	4 28	5 28	6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	45.31	45.05	44.80	44.95	44.61	44.51	44.10	43.93	44.60	44.99	45.64	46.18
	Diurnal { Sc. Divs. - -	1.38	1.12	0.87	1.02	0.68	0.58	0.17	0.00	0.67	1.06	1.71	2.25
	Variation in { Arc - - - - -	1.02	0.81	0.64	0.73	0.50	0.42	0.12	0.00	0.49	0.80	1.24	1.68
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	46.62	47.04	47.52	47.41	47.64	47.75	48.56	48.36	48.28	48.84	49.36	49.34
	Temperature - - - - -	41.3	41.2	41.0	40.7	40.4	40.5	40.5	40.5	40.5	40.4	40.2	40.3
	Sc. Divs. corrected to 40°.2 Fahr.	47.92	48.22	48.56	48.00	47.88	48.10	48.91	48.71	48.63	49.08	49.36	49.46
	Diurnal Variation in { Sc. Divs. - - Parts of Force	0.04	0.34	0.68	0.12	0.00	0.22	1.03	0.83	0.75	1.20	1.48	1.58
		.00001	.00008	.00016	.00003	.00000	.00005	.00025	.00020	.00018	.00029	.00035	.00038

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
20	22	0	29.780	41.2	28.8	Frozen.	W. S. W.	Light.	0.2	
	23	0	29.792	40.0	30.0	Frozen.	W. S. W.	Light.	0.4	
21	0	0	29.804	40.5	31.7	Frozen.	S. W. by W.	Light.	1.0	Overcast.
	1	0	29.814	40.5	31.5	Frozen.	S. W. by W.	Light.	0.5	
	2	0	29.820	39.6	33.5		S. W. by W.	Light.	0.5	
	3	0	29.820	39.5	34.0		S. W. by W.	Gentle.	0.7	
	4	0	29.830	39.8	35.4		S. W. by W.	Gentle.	1.0	Overcast.
	5	0	29.808	40.4	36.4		W. S. W.	Light.	1.0	Overcast.
	6	0	29.842	41.5	38.8		S. E.	Gentle.	0.6	
	7	0	29.880	43.0	36.5		S. S. E.	Moderate.	0.6	Gloomy, dark weather.
	8	0	29.900	43.4	34.8		S.	Gentle.	0.5	
	9	0	29.842	43.2	35.0		S. S. E.	Gentle.	0.6	

August 26th and 27th.			MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.							DECLINATION.				
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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		40.8	40.5	38.7	40.1	39.9	40.1	39.6	39.1	40.3	41.1	39.5	
5	0		40.8	40.3	38.7	39.9	39.6	40.1	39.5	40.2	40.4	41.1	39.5	
10	0		40.9	40.3	38.9	39.7	39.5	40.0	39.7	40.4	40.4	41.2	39.6	
15	0		40.6	40.1	38.9	39.9	39.9	39.6	39.9	40.4	40.4	41.1	39.7	
20	0		40.3	40.1	39.2	39.8	40.6	39.0	40.0	40.4	40.3	40.7	39.6	
25	0		40.8	40.3	39.3	39.6	40.7	39.0	40.0	40.4	40.4	40.0	39.7	
30	0		40.2	39.6	40.0	40.0	40.4	38.9	40.0	40.4	40.6	40.0	39.6	
35	0		40.2	38.6	40.3	40.1	40.2	39.1	40.0	40.3	40.7	39.6	39.7	
40	0		40.2	37.5	40.3	40.2	40.9	39.3	40.1	40.3	40.4	39.5	39.8	
45	0		40.5	37.5	40.1	40.0	41.2	39.3	40.1	40.5	40.3	39.4	39.8	
50	0		40.7	38.1	40.1	40.1	41.0	39.3	40.1	40.5	40.6	39.4	39.9	
55	0		40.4	38.5	40.2	40.1	40.7	39.5	40.1	40.4	41.1	39.4	39.9	

		One Scale Division = .000238 parts of the H. F.							HORIZONTAL FORCE.				
M.	S.	50.6	51.4	52.6	50.0	49.0	51.2	50.0	50.1	50.4	52.7	51.9	51.6
2	30	50.6	51.4	52.6	50.0	49.0	51.2	50.0	50.1	50.4	52.7	51.9	51.6
12	30	50.4	50.8	51.3	49.9	50.0	51.0	49.8	50.1	50.4	53.5	52.0	51.4
22	30	50.4	50.7	50.2	49.8	50.2	51.0	49.9	50.2	50.4	53.2	52.0	51.4
32	30	50.9	50.7	49.7	49.0	50.3	51.0	50.0	50.2	50.2	53.0	52.0	51.5
42	30	51.0	51.8	49.6	49.3	51.8	50.8	50.0	50.3	50.5	52.5	52.0	52.0
52	30	50.8	50.8	49.5	49.0	51.2	50.1	50.0	50.4	51.7	51.9	51.9	51.9

Thermometer	42.8	42.6	43.4	44.0	44.8	45.0	45.0	45.0	45.0	45.0	43.6	43.2	42.0
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DIURNAL VARIATION IN THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		^h ^m 7 28	^h ^m 8 28	^h ^m 9 28	^h ^m 10 28	^h ^m 11 28	^h ^m 12 28	^h ^m 13 28	^h ^m 14 28	^h ^m 15 28	^h ^m 16 28	^h ^m 17 28	^h ^m 18 28
DECLINATION	Mean Reading in Sc. Divs. - -	42.40	41.46	40.87	40.97	42.19	43.42	44.05	44.09	43.21	42.10	41.56	41.74
	Diurnal Variation in { Sc. Divs. - -	1.67	0.73	0.14	0.24	1.46	2.69	3.32	3.36	2.48	1.37	0.83	1.01
	{ Arc - - - - -	1.24	0.53	0.10	0.18	1.09	1.97	2.41	2.48	1.82	1.02	0.61	0.74
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	55.72	55.39	54.43	53.20	51.94	51.10	50.82	50.34	50.35	50.39	50.42	50.98
	Temperature - - - - -	38.0	38.4	38.7	39.8	40.8	41.7	42.6	43.0	43.3	42.7	42.1	41.5
	Sc. Divs. corrected to 38° Fahr.	55.72	55.86	55.26	55.32	55.24	55.47	56.25	56.24	56.60	55.94	55.26	55.11
	Diurnal Variation in { Sc. Divs. - - -	1.25	1.39	0.79	0.85	0.77	1.00	1.78	1.77	2.13	1.47	0.79	0.64
{ Parts of Force -	.00030	.00033	.00019	.00020	.00018	.00024	.00042	.00042	.00051	.00035	.00019	.00015	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.													
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.			
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°	°							
26	10	0	30.170	41.0	35.8	33.0	W. S. W.	Light.	1.0	Overcast.			
	11	0	30.204	40.5	34.4	33.7	—	Calm.	1.0	Overcast.			
	12	0	30.230	41.8	34.2	32.8	—	Calm.	1.0	Overcast.			
	13	0	30.240	43.5	34.4	33.0	W. N. W.	Light.	1.0	Overcast.			
	14	0	30.226	44.0	34.0	32.8	W.	Light.	1.0	Overcast.			
	15	0	30.206	44.5	33.0	32.2	W.	Light.	0.7				
	16	0	30.192	44.2	34.4	33.0	W. S. W.	Light.	0.6				
	17	0	30.184	44.8	33.0	32.8	W.	Light.	0.9	Nearly overcast.			
	18	0	30.164	43.4	33.4	32.2	W.	Light.	0.5				
	19	0	30.136	42.2	32.8	32.0	W.	Light.	0.5				
	20	0	30.120	41.0	33.2	32.4	W. by N.	Light.	0.2				
	21	0	30.112	40.5	33.0	32.4	W. by S.	Light.	0.1				

MAGNETICAL OBSERVATIONS.													August 26th and 27th.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	40.8	41.1	41.6	40.0	38.0	37.9	38.0	39.2	40.0	40.4	41.0	40.4	
5	0	40.9	41.1	41.6	39.6	37.8	38.1	38.3	39.5	40.0	40.5	40.9	40.5	
10	0	40.9	41.2	41.8	39.5	37.7	38.1	38.4	39.5	40.1	40.5	40.9	40.6	
15	0	41.0	41.1	41.7	39.4	37.6	38.4	38.4	39.7	40.1	40.8	40.9	40.4	
20	0	41.0	41.3	41.8	39.3	37.6	38.4	38.6	39.8	40.1	40.9	40.8	40.2	
25	0	41.1	41.5	41.7	39.1	37.7	38.5	38.6	39.6	40.2	40.9	40.5	40.3	
30	0	41.0	41.4	41.5	38.8	37.8	38.5	38.8	39.7	40.1	40.6	40.5	40.1	
35	0	41.0	41.5	41.2	38.7	37.7	38.6	39.0	39.6	40.4	40.8	40.5	39.9	
40	0	41.0	41.5	41.0	38.7	37.7	38.6	39.0	39.8	40.4	40.9	40.6	39.8	
45	0	40.9	41.5	40.7	38.5	37.8	38.6	39.0	39.9	40.4	40.9	40.5	39.5	
50	0	40.9	41.5	40.5	38.3	37.9	38.5	39.2	39.9	40.4	41.2	40.4	39.7	
55	0	41.0	41.5	40.3	38.2	37.8	38.4	39.1	39.9	40.5	41.1	40.3	39.9	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00028.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	
2	30	51.9	51.7	51.9	52.0	49.8	48.9	47.0	46.2	45.4	45.0	44.6	45.0	
12	30	51.6	51.6	51.8	52.0	49.2	48.6	47.0	46.1	45.2	45.0	44.6	45.2	
22	30	51.8	51.6	52.0	51.5	49.2	48.3	46.8	45.8	45.1	44.9	44.5	45.2	
32	30	51.9	51.7	52.0	51.0	48.9	48.1	46.6	45.5	45.3	44.9	44.8	46.0	
42	30	51.5	51.7	52.0	50.9	49.0	47.7	46.5	45.5	45.1	44.9	44.9	46.0	
52	30	51.7	52.0	52.0	50.4	48.8	47.2	46.2	45.5	45.2	44.7	45.0	46.0	

Thermometer													
42.2	43.0	43.0	43.4	45.2	46.8	47.8	48.6	50.0	50.0	50.4	49.6		

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 31ST AUGUST. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - }		h m 19 28	h m 20 28	h m 21 28	h m 22 28	h m 23 28	h m 0 28	h m 1 28	h m 2 28	h m 3 28	h m 4 28	h m 5 28	h m 6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	41.56	41.60	40.98	41.03	40.78	40.81	40.73	41.14	41.46	41.74	42.31	42.64
	Diurnal { Sc. Divs. - -	0.83	0.87	0.25	0.30	0.05	0.08	0.00	0.41	0.73	1.01	1.58	1.91
	Variation in { Arc - - - -	0.61	0.64	0.18	0.22	0.04	0.06	0.00	0.30	0.53	0.74	1.17	1.39
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	51.71	52.15	52.68	53.04	53.53	54.05	53.95	53.87	54.33	54.60	55.01	55.43
	Temperature - - - - -	40.9	40.4	39.9	39.4	38.8	38.8	38.7	38.6	38.4	38.2	38.0	38.0
	Sc. Divs. corrected to 38° Fahr.	55.13	54.98	54.92	54.69	54.47	54.99	54.78	54.58	54.80	54.84	55.01	55.43
	Diurnal { Sc. Divs. - - -	0.66	0.51	0.45	0.22	0.00	0.52	0.31	0.11	0.33	0.37	0.54	0.96
Variation in { Parts of Force -	.00016	.00012	.00011	.00005	.00000	.00012	.00007	.00003	.00008	.00009	.00013	.00023	

Declination, and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometer.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
26	22	0	30.098	40.6	33.4	32.4	S. W.	Gentle.	0.4	
	23	0	30.120	41.0	35.8	34.7	S. W.	Gentle.	0.9	
27	0	0	30.114	41.6	35.3	34.7	W. S. W.	Gentle.	0.2	
	1	0	30.120	41.6	37.6	35.5	W. S. W.	Gentle.	0.4	
	2	0	30.116	43.5	39.8	38.2	W. S. W.	Gentle.	0.5	
	3	0	30.122	45.7	42.4	40.0	W. S. W.	Gentle.	0.6	
	4	0	30.130	47.0	43.5	41.0	W. S. W.	Gentle.	0.6	
	5	0	30.042	47.0	44.0	41.2	W. S. W.	Gentle.	0.9	
	6	0	30.096	48.4	45.2	42.4	W. S. W.	Gentle.	0.6	
	7	0	30.106	49.4	45.0	41.6	W. S. W.	Gentle.	0.6	
	8	0	30.108	48.6	43.4	41.4	S. W.	Light.	0.9	Gloomy, dark weather.
	9	0	30.108	48.2	42.2	39.8	S. W.	Light.	0.4	

September 21st and 22nd.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.727.										DECLINATION.	
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	42.4	41.3	41.1	38.6	39.2	40.6	41.5	41.5	40.6	41.5	41.6	42.4
5	0	42.7	41.2	41.5	37.9	39.4	40.9	41.5	41.5	40.5	41.4	41.4	42.2
10	0	42.8	41.2	41.5	35.3	39.7	41.1	41.5	41.4	40.6	41.6	41.4	42.0
15	0	42.9	41.2	41.5	33.6	40.2	41.1	41.5	41.4	40.5	41.7	41.4	41.8
20	0	42.6	41.3	41.5	33.6	40.5	41.1	41.4	40.8	40.9	41.7	41.4	41.6
25	0	42.3	41.5	41.5	34.0	40.5	41.0	41.5	41.0	41.1	41.6	41.3	41.8
30	0	42.1	42.1	41.4	35.9	40.5	41.0	41.5	41.0	41.1	41.5	41.4	42.3
35	0	41.9	42.2	41.1	36.3	40.6	41.0	41.5	40.0	41.2	41.5	41.5	42.0
40	0	41.3	41.5	41.0	37.3	40.6	41.1	41.5	40.6	41.4	41.4	41.5	42.0
45	0	41.2	41.1	40.6	38.9	40.7	41.2	41.5	40.8	41.4	41.4	41.5	41.9
50	0	41.2	40.7	38.9	39.5	40.6	41.2	41.6	40.3	41.5	41.5	41.6	42.1
55	0	41.3	40.7	38.6	39.3	40.6	41.5	41.5	40.3	41.5	41.4	41.8	42.3

M. s.		One Scale Division = .000238 parts of H. F.										HORIZONTAL FORCE.	
2	30	49.2	48.7	51.0	50.0	53.7	53.2	54.8	55.2	56.0	56.0	55.8	57.1
12	30	48.7	49.1	51.2	50.0	53.5	53.8	54.9	55.0	56.0	56.0	56.1	56.4
22	30	48.3	49.5	51.4	54.0	53.3	53.8	54.9	55.0	55.8	55.7	56.2	56.6
32	30	48.2	49.6	51.4	55.5	53.5	54.0	54.8	55.2	55.6	55.7	56.2	56.7
42	30	48.1	49.7	51.3	56.1	53.1	54.2	54.7	56.1	55.8	55.8	56.6	56.8
52	30	48.2	50.4	50.7	55.0	53.0	54.5	54.7	56.3	55.8	55.6	56.9	56.5

Thermometer		42.4	42.0	41.0	41.0	40.5	40.0	39.5	39.0	39.0	39.0	39.0	39.0
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DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;

Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		^h 7 ^m 28	^h 8 ^m 28	^h 9 ^m 28	^h 10 ^m 28	^h 11 ^m 28	^h 12 ^m 28	^h 13 ^m 28	^h 14 ^m 28	^h 15 ^m 28	^h 16 ^m 28	^h 17 ^m 28	^h 18 ^m 28
DECLINATION.	Mean Reading in Sc. Divs. - - -	40.89	39.32	39.02	39.98	41.92	43.84	45.25	45.80	44.89	43.27	42.25	41.91
	Diurnal Variation in { Sc. Divs. - - -	1.87	0.30	0.00	0.96	2.92	4.82	6.23	6.78	5.87	4.25	3.23	2.89
	{ Arc - - - - -	1.39	0.22	0.00	0.70	2.13	3.50	4.53	4.96	4.31	3.14	2.35	2.12
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - - -	55.47	54.01	52.18	50.27	48.76	48.10	47.69	47.49	47.27	47.57	48.07	48.58
	Temperature - - - - -	39.3	40.3	41.3	42.5	43.7	44.8	45.9	46.8	46.7	46.1	45.4	44.2
	Sc. Divs. corrected to 39°.1 Fahr.	55.71	55.47	54.86	54.42	54.37	54.05	55.99	56.88	56.54	56.11	55.76	54.80
	Diurnal Variation in { Sc. Divs. - - -	1.66	1.42	0.81	0.37	0.32	0.00	1.94	2.83	2.49	2.06	1.71	0.75
	{ Parts of Force	.00040	.00034	.00019	.00088	.00008	.00000	.00046	.00067	.00059	.00049	.00041	.00018

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.							
21	10	0	29.876	40.0	37.2	36.0	E.	Light.	0.9	Gloomy dark weather.
	11	0	29.860	39.5	33.8	33.4	E.	Light.	0.9	Gloomy dark weather.
	12	0	29.876	39.0	32.8	32.0	—	Calm.	1.0	Overcast.
	13	0	29.890	39.0	32.2	31.6	—	Calm.	1.0	Overcast.
	14	0	29.896	39.0	32.0	31.5	—	Calm.	1.0	Overcast.
	15	0	29.910	37.5	31.9	Frozen.	—	Calm.	1.0	Overcast.
	16	0	29.910	37.5	31.0	Frozen.	—	Calm.	1.0	Overcast.
	17	0	29.914	37.0	30.8	Frozen.	—	Calm.	1.0	Overcast.
	18	0	29.914	37.0	31.2	Frozen.	—	Calm.	1.0	Overcast.
	19	0	29.922	37.0	30.4	Frozen.	—	Calm.	0.7	Gloomy dark weather.
	20	0	29.924	37.0	30.4	Frozen.	—	Calm.	1.0	Overcast.
	21	0	29.928	37.0	31.0	Frozen.	—	Calm.	0.7	Gloomy dark weather.

MAGNETICAL OBSERVATIONS.													September 21st and 22nd.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	42.4	43.5	42.3	40.8	40.3	40.9	42.8	44.6	45.8	47.6	45.0	44.5	
5	0	42.5	43.4	42.2	40.5	40.4	41.0	42.8	44.6	46.4	48.1	45.4	44.1	
10	0	43.0	43.7	41.8	40.3	40.5	41.2	43.3	44.7	46.7	48.3	45.5	43.9	
15	0	43.5	43.2	41.9	40.6	40.5	41.4	43.4	44.8	47.0	48.4	45.5	43.7	
20	0	44.1	42.6	41.4	40.4	40.9	41.4	43.5	44.8	46.5	48.6	45.5	43.7	
25	0	44.5	42.6	41.1	40.5	41.3	41.5	43.5	44.8	45.5	48.5	45.5	43.7	
30	0	44.6	42.5	40.7	40.2	40.7	41.7	43.7	45.4	46.6	48.4	45.5	43.7	
35	0	44.3	42.3	40.7	40.5	40.7	41.7	43.9	45.5	46.7	48.1	45.5	43.7	
40	0	44.5	42.3	40.6	40.5	40.7	41.9	44.5	45.6	46.7	47.7	45.4	43.4	
45	0	44.2	42.4	40.4	40.5	41.0	42.1	44.5	46.1	47.4	47.0	45.2	43.2	
50	0	44.2	42.6	40.5	40.4	40.9	42.2	44.5	46.2	47.8	46.6	45.0	43.0	
55	0	43.7	42.4	40.7	40.4	40.9	42.5	44.5	46.0	47.8	45.7	44.5	43.0	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00029.	
		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .	
2	30	55.9	56.7	56.6	54.5	52.1	50.8	49.1	49.0	49.3	46.6	43.9	45.0	
12	30	55.1	56.4	56.3	54.2	51.8	50.3	49.1	48.9	49.7	46.2	44.2	45.2	
22	30	55.1	56.5	55.5	53.9	51.6	50.1	49.3	48.9	49.1	45.3	44.5	45.4	
32	30	55.0	56.7	55.2	53.4	51.0	50.0	49.1	48.9	49.0	44.0	44.7	45.5	
42	30	55.7	57.0	55.0	52.9	51.0	49.9	49.2	48.9	48.8	44.0	44.8	44.8	
52	30	56.3	57.1	55.0	52.4	50.8	49.9	49.0	49.2	47.5	44.0	44.9	45.4	

THERMOMETER													
		39.0	39.1	39.0	39.0	40.6	42.0	44.0	45.0	45.5	46.8	47.0	47.0

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 30TH SEPTEMBER. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		19 28	20 28	21 28	22 28	23 28	0 28	1 28	2 28	3 28	4 28	5 28	6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	41.88	41.27	40.90	40.85	40.26	40.18	40.22	40.21	40.55	40.92	41.48	41.77
	Diurnal { Sc. Divs. - - -	2.86	2.25	1.88	1.83	1.24	1.16	1.20	1.19	1.53	1.90	2.46	2.75
	Variation in { Arc - - - - -	2.12	1.68	1.39	1.31	0.89	0.88	0.88	0.89	1.09	1.39	1.82	2.05
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	49.82	50.70	51.59	52.31	53.42	53.67	54.27	54.36	54.58	54.71	55.02	55.38
	Temperature - - - - -	43.0	42.2	41.4	40.8	40.2	40.1	39.9	39.7	39.5	39.3	39.1	39.2
	Sc. Divs. corrected to 39°.1 Fahr.	54.58	54.48	54.40	54.38	54.76	54.89	55.25	55.09	55.07	54.95	55.02	55.50
	Diurnal { Sc. Divs. - - -	0.53	0.43	0.35	0.33	0.71	0.84	1.20	1.04	1.02	0.90	0.97	1.45
	Variation in { Parts of Force -	.00013	.00010	.00008	.00008	.00017	.00020	.00029	.00025	.00024	.00021	.00023	.00035

Declination, and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
21	22	0	29.932	37.0	30.6	Frozen.	—	Calm.	1.0	Overcast and gloomy.
	23	0	29.928	37.0	30.6	Frozen.	—	Calm.	1.0	Overcast and gloomy.
22	0	0	29.930	37.5	34.0	32.0	—	Calm.	1.0	Overcast; snow.
	1	0	29.940	37.5	35.9	33.2	—	Calm.	0.9	Gloomy dark weather.
	2	0	29.950	38.5	38.0	37.4	—	Calm.	1.0	Overcast; misty.
	3	0	29.950	40.0	41.4	40.2	—	Calm.	1.0	Overcast; misty.
	4	0	29.950	43.0	42.5	39.6	W.	Light.	0.9	Temporary passing showers.
	5	0	29.950	44.0	43.8	40.8	W.	Light.	0.9	
	6	0	29.950	45.0	43.6	40.5	W.	Light.	0.9	
	7	0	29.960	45.5	44.2	41.0	W.	Light.	0.5	
	8	0	29.966	46.0	44.5	41.8	W.	Gentle.	0.5	
	9	0	29.972	45.5	41.0	39.8	W.	Gentle.	0.6	

October 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.727.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h.	21^{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.	Sc. Div.
0	0	41.6	41.2	40.6	39.8	39.9	40.0	39.7	38.7	39.4	38.5	38.6	38.2
5	0	41.0	41.5	41.0	40.1	39.2	40.1	39.8	38.8	39.3	38.3	38.6	37.9
10	0	40.5	41.2	41.1	38.7	40.0	39.8	40.0	38.8	39.0	38.2	39.0	38.7
15	0	40.9	41.2	40.7	38.6	40.0	39.8	40.0	38.7	39.0	38.3	39.0	38.4
20	0	41.0	41.2	40.3	37.7	39.7	39.5	39.6	38.6	38.6	38.5	38.8	38.8
25	0	41.0	41.2	40.9	37.7	40.5	39.7	39.6	38.6	39.0	38.6	38.7	38.6
30	0	41.3	41.5	40.4	38.9	39.9	39.8	39.0	38.6	38.8	39.1	39.0	38.3
35	0	41.5	41.4	40.2	39.4	40.1	39.5	39.4	38.6	38.7	39.3	38.4	38.1
40	0	41.4	41.0	40.5	39.2	39.6	39.8	38.7	38.6	38.5	39.7	38.2	38.0
45	0	41.5	40.9	40.1	39.2	39.5	39.5	38.8	38.5	38.3	39.7	38.3	38.4
50	0	41.4	40.6	40.0	39.5	40.1	39.7	38.7	38.6	38.3	39.3	38.6	37.5
55	0	41.2	40.7	40.0	40.0	40.0	39.6	38.9	39.0	38.3	39.5	38.7	37.4

M. S.		One Scale Division = .000238 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 .	21 ^h .
2	30	42.4	43.9	45.5	45.8	48.0	47.8	48.5	48.1	49.3	48.3	49.1	48.7
12	30	42.6	44.0	45.7	46.2	47.8	48.1	48.5	48.1	49.2	47.7	49.0	48.7
22	30	43.1	44.6	45.9	47.4	47.7	48.0	48.8	48.2	49.2	47.9	49.1	48.5
32	30	43.6	45.1	45.9	47.2	47.8	48.0	48.2	48.0	49.0	48.1	49.0	48.9
42	30	43.3	45.2	45.4	47.1	48.0	48.3	48.1	48.1	48.3	48.5	48.5	49.0
52	30	43.2	45.5	45.1	47.5	47.9	48.4	48.0	48.7	48.4	48.9	48.8	49.3

Thermometer													
		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
		48.0	47.0	45.0	44.0	44.0	43.0	43.0	43.0	43.0	42.6	42.2	40.4

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island		7 28	8 28	9 28	10 28	11 28	12 28	13 28	14 28	15 28	16 28	17 28	18 28
DECLINATION.	Mean Reading in Sc. Divs. - -	36.04	35.68	36.57	38.66	41.00	43.14	44.30	43.85	42.65	41.34	40.42	40.23
	Diurnal Sc. Divs. - - -	0.36	0.00	0.89	2.98	5.32	7.46	8.62	8.17	6.97	5.66	4.74	4.55
	Variation in Arc. - - - - -	0.26	0.00	0.65	2.19	3.87	5.47	6.28	5.99	5.11	4.16	3.43	3.36
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	47.61	45.01	42.31	40.63	39.97	40.01	39.85	39.60	39.21	39.02	39.22	40.19
	Temperature - - - - -	42.5	44.6	46.6	48.4	50.2	51.4	52.6	53.0	53.4	52.5	51.6	50.0
	Sc. Divs. corrected to 40°.8 Fahr.	49.75	49.80	49.62	50.21	51.81	53.37	54.72	54.97	55.09	53.76	52.83	51.78
	Diurnal Sc. Divs. - - -	0.56	0.61	0.43	1.02	2.62	4.18	5.53	5.78	5.90	4.57	3.64	2.59
	Variation in Parts of Force -	.00013	.00015	.00010	.00024	.00062	.00099	.00132	.00138	.00140	.00109	.00087	.00062

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.										
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.							
19	10	0	28.984	47.0	41.4	37.6	W. by S.	Fresh.	0.7.	Squally.
	11	0	29.020	46.0	39.0	35.5	W.	Moderate.	0.4	
	12	0	29.030	43.0	36.0	33.8	W.	Gentle.	0.7	
	13	0	29.030	42.0	38.0	36.8	W.	Moderate.	0.6	Squally.
	14	0	29.040	42.0	38.0	37.0	W.	Moderate.	0.6	Squally.
	15	0	29.046	41.0	38.0	37.0	W.	Fresh.	0.5	Squally.
	16	0	29.048	41.0	37.2	36.0	W.	Moderate.	0.4	
	17	0	29.034	41.0	37.8	36.5	W. by N.	Gentle.	0.7	
	18	0	29.004	41.0	38.5	37.2	W. S. W.	Fresh.	1.0	Squally; passing showers; rain; continued rain.
	19	0	28.994	41.0	37.0	35.6	W. by S.	Fresh.	1.0	Overcast; squally.
	20	0	28.988	40.0	34.0	33.4	W. by S.	Fresh.	0.5	Squally; passing showers; rain; continued rain.
	21	0	28.980	39.0	33.0	32.2	W.	Fresh.	0.5	Squally.

MAGNETICAL OBSERVATIONS.

October 19th and 20th.

Mean Göttingen Time.		DECLINATION.											
		Angular Value of one Scale Division = 0'.727.											
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.
0	0	38.1	37.5	36.5	37.2	37.5	38.5	40.5	42.6	45.1	45.0	43.8	42.4
5	0	37.9	37.7	36.4	37.4	37.5	38.7	40.6	43.1	44.7	44.9	43.5	42.5
10	0	37.9	37.8	36.0	37.2	37.7	38.7	40.7	43.1	45.3	44.5	43.4	42.5
15	0	38.0	37.7	36.1	37.0	37.7	39.0	41.0	43.1	45.2	44.6	43.3	42.4
20	0	37.0	37.2	36.2	37.0	37.9	39.1	41.1	43.6	45.1	44.5	43.0	42.5
25	0	37.5	36.9	37.0	37.0	38.1	39.3	41.2	44.2	45.1	44.4	42.9	42.4
30	0	37.6	37.1	36.5	36.8	38.1	39.4	41.4	44.2	45.1	44.3	43.0	42.4
35	0	37.0	36.8	37.0	36.8	38.0	39.6	41.5	44.4	45.4	44.3	43.1	42.2
40	0	38.5	36.7	37.0	36.9	38.0	39.7	41.8	44.2	45.3	44.1	43.0	42.1
45	0	38.5	36.5	37.0	37.0	38.3	40.0	42.0	44.4	45.4	44.0	42.6	42.1
50	0	38.1	36.6	37.0	37.0	38.5	40.4	42.2	44.4	45.1	44.1	42.5	42.1
55	0	37.0	36.7	37.0	37.1	38.4	40.4	42.3	44.6	45.3	44.0	42.4	42.0

M. S.		HORIZONTAL FORCE.											
		Change in the Magnetic Moment of the Bar for 1° Fahr. = .00030.											
2	30	49.2	48.4	47.5	45.0	45.3	45.6	45.8	45.5	44.3	44.2	44.9	42.9
12	30	49.0	48.4	47.4	44.8	45.5	45.7	45.9	45.3	44.3	44.2	44.8	43.0
22	30	49.1	48.0	47.2	44.8	45.5	45.8	45.9	45.1	44.5	44.3	44.2	43.1
32	30	48.8	47.6	46.9	45.0	45.5	45.8	45.8	45.0	44.6	44.5	44.4	43.0
42	30	48.8	47.6	45.9	45.0	45.5	45.9	45.8	44.8	44.5	44.8	43.7	43.0
52	30	48.6	47.3	45.2	45.1	45.5	45.8	45.6	44.4	44.5	44.8	42.1	43.2

Thermometer	40.4	40.0	40.0	41.2	42.2	43.2	47.0	46.5	48.0	48.4	48.0	49.0
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DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 31ST OCTOBER. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island		19 28	20 28	21 28	22 28	23 28	0 28	1 28	2 28	3 28	4 28	5 28	6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	39.97	39.64	39.29	38.88	38.69	38.06	37.91	37.88	37.80	37.82	37.66	37.16
	Diurnal Variation in { Sc. Divs. - - -	4.29	3.96	3.61	3.20	3.01	2.38	2.23	2.20	2.12	2.14	1.98	1.48
	{ Arc. - - - -	3.14	2.92	2.62	2.34	2.19	2.48	1.61	1.61	1.54	1.55	1.46	1.09
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	41.80	43.17	44.33	45.27	46.82	47.15	47.55	47.91	48.31	48.69	49.26	49.20
	Temperature - - - - -	48.4	47.0	45.6	44.5	43.4	43.0	42.5	42.1	41.6	41.2	40.8	41.7
	Sc. Divs. corrected to 40°.8 Fahr.	51.38	50.98	50.38	49.93	50.10	49.92	49.69	49.55	49.32	49.19	49.26	50.33
	Diurnal Variation in { Sc. Divs. - - -	2.19	1.79	1.19	0.74	0.91	0.73	0.50	0.36	0.13	0.00	0.07	1.14
{ Parts of Force -	.00052	.00043	.00028	.00018	.00021	.00017	.00012	.00009	.00003	.00000	.00002	.00027	

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
19	22	0	28.980	38.0	35.0	34.2	W. by S.	Strong.	1.0	[tinued rain. Overcast; squally; passing showers; rain; con-
	23	0	29.050	38.0	34.0	33.8	W. by S.	Strong.	1.0	Overcast; squally; passing showers; snow.
20	0	0	29.108	38.0	36.2	36.2	W. by S.	Mod. Gale.	1.0	Overcast; squally; passing showers; snow.
	1	0	29.140	40.0	38.5	35.5	S. W.	Fresh Gale.	0.5	Squally.
	2	0	29.150	40.0	39.8	36.5	S. W.	Mod. Gale.	0.5	Squally.
	3	0	29.178	41.0	43.0	42.0	S. W.	Str. Gale.	0.6	Squally.
	4	0	29.202	43.0	45.2	39.0	S. W. by W.	Fresh Gale.	0.5	Squally.
	5	0	29.202	45.5	45.5	41.5	S. W. by W.	Fresh Gale.	0.4	Squally.
	6	0	29.202	47.0	46.4	41.4	S. W. by W.	Fresh Gale.	0.8	Squally.
	7	0	29.170	47.0	44.4	40.5	W. S. W.	Fresh Gale.	0.8	Squally; passing showers; hail.
	8	0	29.150	47.0	47.0	42.0	W. S. W.	Str. Gale.	0.8	Squally; passing showers; hail.
	9	0	29.142	48.0	46.0	42.0	W. by S.	Fresh Gale.	0.8	Squally; passing showers; hail.

November 25th and 26th.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.727.						DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0	34.9	35.7	36.1	35.4	35.0	34.8	34.2	33.6	33.9	34.3	32.8	32.2
5	0	34.6	35.5	35.8	35.3	35.0	34.4	34.2	33.6	33.7	33.9	33.2	32.5
10	0	34.6	35.9	35.6	35.2	35.0	34.2	34.1	33.7	34.1	34.4	33.5	32.1
15	0	34.7	35.6	35.6	35.2	35.1	34.2	34.1	33.7	34.3	33.8	32.2	31.8
20	0	35.3	36.1	35.6	35.3	35.0	34.2	34.0	33.7	34.2	33.6	32.8	32.3
25	0	35.3	36.3	35.5	35.1	35.0	34.2	34.2	34.0	33.9	33.0	32.3	32.4
30	0	35.5	36.4	35.2	35.1	35.0	34.3	34.1	33.8	33.4	33.4	32.4	32.6
35	0	35.3	35.8	35.6	35.1	35.0	34.4	34.0	33.7	34.6	33.3	32.6	32.4
40	0	35.5	36.0	35.3	35.1	34.9	34.3	34.0	33.7	34.7	32.9	32.6	32.4
45	0	35.8	35.7	35.7	35.1	34.8	34.3	33.8	33.9	33.6	32.3	32.7	32.6
50	0	35.9	35.5	35.4	35.0	34.8	34.2	33.8	33.8	33.1	33.3	32.6	32.4
55	0	35.4	35.5	35.5	35.0	34.7	34.2	33.8	33.9	34.1	33.4	33.5	32.3

One Scale Division = .000238 parts of H. F.		HORIZONTAL FORCE.											
M.	S.	80.4	82.1	83.0	83.4	83.5	83.1	82.3	81.8	82.2	83.5	84.5	85.3
2	30	81.0	82.1	82.9	83.6	83.4	83.2	82.5	81.8	82.6	83.5	83.9	84.9
12	30	81.4	82.8	83.0	83.7	83.3	83.0	82.5	81.9	82.9	83.8	84.1	84.8
32	30	81.4	82.6	83.3	83.3	83.4	83.0	82.2	82.0	83.1	83.9	84.9	84.7
42	30	81.7	82.8	83.3	83.6	83.4	82.6	82.2	82.2	83.3	84.0	84.7	84.5
52	30	81.9	82.9	83.4	83.5	83.3	82.3	82.0	82.4	83.2	84.4	84.8	84.8
Thermometer		50.0	49.0	48.4	48.4	48.8	49.2	49.7	50.0	48.5	47.0	46.0	45.0

DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;													
Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		^h ^m 7 28	^h ^m 8 28	^h ^m 9 28	^h ^m 10 28	^h ^m 11 28	^h ^m 12 28	^h ^m 13 28	^h ^m 14 28	^h ^m 15 28	^h ^m 16 28	^h ^m 17 28	^h ^m 18 28
DECLINATION.	Mean Reading in Sc. Divs. - -	31.76	32.44	34.07	36.36	38.59	39.57	39.95	39.40	38.50	37.56	36.82	36.67
	Diurnal Variation in { Sc. Divs. - - -	0.08	0.76	2.39	4.68	6.91	7.89	8.27	7.72	6.82	5.88	5.14	4.99
	{ Arc. - - - - -	0.06	0.55	1.75	3.43	5.04	5.77	6.06	5.62	4.96	4.31	3.72	3.65
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	91.19	89.76	88.11	87.24	87.03	86.85	86.52	85.79	85.10	85.08	85.30	85.64
	Temperature - - - - -	45.8	47.4	48.9	50.3	51.6	52.6	53.6	54.2	54.7	54.3	53.8	52.5
	Sc. Divs. corrected to 43°.9 Fabr.	93.58	94.17	94.41	95.30	96.73	97.81	98.74	98.76	98.71	98.18	97.77	96.48
	Diurnal Variation in { Sc. Divs. - - -	0.07	0.66	0.90	1.79	3.22	4.30	5.23	5.25	5.20	4.67	4.26	2.97
{ Parts of Force -	.00002	.00016	.00021	.00043	.00077	.00102	.00124	.00125	.00124	.00111	.00101	.00071	

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.													
Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.			
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°	°							
25	10	0	29.532	49.0	42.0	41.3	N. by W.	Gentle.	1.0	Overcast; drizzling rain; gloomy.			
	11	0	29.508	48.0	40.6	40.3	N.	Gentle.	1.0	Overcast; drizzling rain; rain.			
	12	0	29.480	47.5	40.0	39.6	N.	Gentle.	—	Drizzling rain.			
	13	0	29.452	47.5	40.8	40.2	N.	Light.	—	Drizzling rain.			
	14	0	29.444	47.5	40.8	40.4	N.	Light.	—	Light rain.			
	15	0	29.420	48.0	41.0	40.6	N.	Light.	1.0	Overcast; drizzling rain.			
	16	0	29.412	48.0	41.0	40.7	S.	Light.	1.0	Overcast; rain.			
	17	0	29.392	48.2	41.0	39.0	S. E.	Light.	0.2				
	18	0	29.394	47.2	38.6	37.5	S. W.	Gentle.	0.0	Clear, blue sky.			
	19	0	29.388	45.5	38.4	37.2	S. W.	Light.	0.0	Clear, blue sky.			
	20	0	29.384	44.0	33.8	33.4	S. W.	Light.	0.0	Clear, blue sky.			
	21	0	29.388	43.2	33.5	33.2	S. W.	Light.	0.0	Clear, blue sky.			

MAGNETICAL OBSERVATIONS.													November 25th and 26th.	
Mean Göttingen Time.		DECLINATION.											Angular Value of one Scale Division = 0'.727.	
		22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.	
0	0	32.6	31.4	30.5	31.2	32.3	34.1	35.8	37.1	38.3	37.9	37.0	36.2	
5	0	32.8	31.4	30.3	31.0	32.7	34.2	35.8	37.1	38.1	37.6	36.6	36.3	
10	0	32.6	31.1	30.1	30.7	32.8	34.4	35.9	37.4	38.3	37.7	36.6	36.2	
15	0	32.8	31.2	30.2	30.6	32.9	34.4	36.0	37.6	38.3	37.8	36.6	36.1	
20	0	32.4	30.8	30.4	30.9	33.0	34.5	36.1	37.7	38.2	37.6	36.5	35.9	
25	0	32.3	30.9	30.5	31.1	33.2	34.8	36.1	37.6	38.2	37.5	36.5	35.8	
30	0	32.3	30.6	30.5	31.4	33.4	35.0	36.6	37.8	38.1	37.5	36.4	35.7	
35	0	32.0	30.7	30.6	31.8	33.7	35.0	36.6	38.1	37.9	37.1	36.2	35.7	
40	0	31.8	30.6	30.5	31.4	33.7	35.1	36.7	38.1	38.0	37.0	36.3	35.6	
45	0	31.9	30.5	30.7	31.9	33.7	35.3	36.8	38.1	37.9	37.0	36.2	35.6	
50	0	31.4	30.3	30.7	32.2	33.9	35.7	36.9	38.2	38.0	36.9	36.4	35.4	
55	0	31.4	30.2	30.9	32.3	34.1	36.0	36.9	38.3	37.9	36.9	36.2	35.2	

M. S.		HORIZONTAL FORCE.											Change in the Magnetic Moment of the Bar for 1° Fahr. = .00030.	
2	30	85.1	83.6	81.5	79.1	76.9	76.8	76.2	77.1	78.1	77.9	77.6	77.3	
12	30	85.1	83.3	81.3	78.6	76.8	76.8	76.2	77.1	78.0	78.0	77.5	77.9	
22	30	84.9	82.8	81.0	78.0	76.8	76.8	76.5	77.0	77.9	78.0	77.5	77.9	
32	30	84.5	82.3	80.5	77.7	76.6	76.6	76.8	77.5	77.8	77.9	77.3	78.0	
42	30	84.2	82.1	80.0	77.5	76.7	76.6	76.9	78.1	77.7	77.8	77.4	78.0	
52	30	83.8	81.7	79.6	77.1	76.8	76.6	77.0	78.1	78.0	77.5	77.1	77.9	

Thermometer													
46.0	48.8	51.5	54.0	55.0	55.0	54.8	54.0	54.0	54.0	54.0	55.0	55.0	

DERIVED FROM OBSERVATIONS BETWEEN THE 1ST AND 26TH NOVEMBER. (SUNDAYS EXCEPTED)

Hours of Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Port Louis, Berkeley Sound, East Falkland Island - - - - -		19 28	20 28	21 28	22 28	23 28	0 28	1 28	2 28	3 28	4 28	5 28	6 28
DECLINATION.	Mean Reading in Sc. Divs. - -	36.43	35.91	35.84	35.45	34.60	33.69	33.48	33.66	33.25	32.95	32.25	31.68
	Diurnal { Sc. Divs. - - -	4.75	4.23	4.16	3.77	2.92	2.01	1.80	1.98	1.57	1.27	0.57	0.00
	Variation in { Arc. - - - - -	3.50	3.07	3.07	2.77	2.12	1.46	1.31	1.46	1.17	0.95	0.42	0.00
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	86.97	88.89	89.29	90.27	91.48	91.95	92.11	92.47	92.94	93.54	93.51	92.65
	Temperature - - - - -	51.1	49.6	48.1	47.3	46.5	46.0	45.4	45.0	44.6	44.3	43.9	44.9
	Sc. Divs. corrected to 43°·9 Fabr.	96.04	96.07	94.58	94.55	94.76	94.60	94.00	93.86	93.82	94.04	93.51	93.91
	Diurnal Variation in { Sc. Divs. - - -	2.53	2.56	1.07	1.04	1.25	1.09	0.49	0.35	0.31	0.53	0.00	0.40
	{ Parts of Force -	.00060	.00061	.00025	.00025	.00030	.00026	.00012	.00008	.00007	.00013	.00000	.00010

Declination and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
25	22	0	29.396	43.2	41.0	40.5	W. S. W.	Light.	0.1	
	23	0	29.426	47.0	45.4	44.0	S. W.	Gentle.	0.4	
26	0	0	29.444	50.0	48.0	46.0	S. W. by W.	Gentle.	0.2	
	1	0	29.440	52.0	50.6	47.0	S. W.	Gentle.	0.5	
	2	0	29.426	53.0	51.0	46.8	S. W.	Gentle.	0.9	Gloomy, dark weather.
	3	0	29.416	53.2	51.4	46.8	S. W.	Moderate.	—	Cloudy.
	4	0	29.412	53.2	50.0	45.4	S. W.	Moderate.	1.0	Overcast; gloomy, dark weather.
	5	0	29.388	53.0	49.6	45.6	S. W.	Strong.	0.7	Gloomy, dark weather.
	6	0	29.384	52.5	49.4	45.5	S. W.	Fresh.	0.7	Gloomy, dark weather.
	7	0	29.386	53.0	50.2	46.0	S. W.	Fresh.	0.9	Gloomy, dark weather.
	8	0	29.378	54.2	51.0	46.2	S. W.	Moderate.	1.0	Overcast; distant objects visible.
	9	0	29.386	54.2	48.2	44.0	S. W.	Strong.	0.9	

October 19th and 20th.			MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.679.					DECLINATION.						
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^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.	Sc. Div.
0	0		96.4	95.4	94.6	93.5	93.4	93.7	93.7	93.5	93.5	93.0	93.7	92.7
5	0		96.0	95.4	94.3	93.3	93.6	93.7	93.9	93.7	93.6	93.1	93.6	92.7
10	0		95.5	95.4	94.3	93.0	93.6	93.6	94.3	93.6	93.4	93.5	93.5	92.9
15	0		95.2	95.3	94.5	92.0	93.6	93.6	94.4	93.6	93.4	93.5	93.5	92.9
20	0		94.9	95.1	94.6	91.1	93.7	93.8	94.4	93.6	93.5	93.6	93.4	93.0
25	0		95.2	95.2	94.4	90.8	93.6	93.6	94.2	93.5	93.5	93.4	93.3	93.3
30	0		95.4	95.2	94.6	91.6	93.7	93.6	94.3	93.7	93.5	93.6	93.2	93.0
35	0		95.6	95.2	94.8	92.3	93.7	93.6	94.2	93.5	93.4	94.0	92.9	92.9
40	0		95.5	95.1	94.7	92.7	93.8	93.7	93.9	93.6	93.3	94.5	93.1	92.5
45	0		95.4	95.1	94.7	93.2	94.0	93.7	93.5	93.5	93.0	94.5	92.7	92.5
50	0		95.8	95.0	94.5	93.3	94.1	93.6	93.5	93.5	93.2	94.6	92.8	92.5
55	0		95.5	94.6	94.0	93.4	93.9	93.6	93.5	93.4	93.2	94.4	92.6	92.8

One Scale Division = .000169 parts of the H. F.		HORIZONTAL FORCE.											
M.	S.	71.0	71.3	72.8	71.1	73.0	72.4	73.5	73.0	75.2	73.2	73.5	72.3
2	30	69.9	71.2	72.6	71.5	73.0	73.0	73.5	73.0	74.7	72.1	73.6	72.7
22	30	71.1	71.9	72.2	72.1	72.8	72.7	74.3	73.0	74.8	72.6	73.7	72.5
32	30	71.6	72.2	72.4	72.6	72.6	73.0	73.0	72.6	74.4	73.0	73.0	72.5
42	30	70.9	72.6	71.2	72.4	73.2	73.4	73.0	72.7	73.2	73.6	72.6	72.8
52	30	70.9	72.8	70.9	72.7	73.0	73.5	72.9	74.0	73.3	73.9	72.5	73.0

Thermometer	41.4	41.8	41.7	41.8	42.2	42.4	42.4	42.0	42.0	41.6	41.5	41.5
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DIURNAL VARIATION OF THE DECLINATION AND HORIZONTAL FORCE;

Hours at Göttingen.		0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
Hours at Hermit's Island, Cape Horn.		^h 6 ^m 50	^h 7 ^m 50	^h 8 ^m 50	^h 9 ^m 50	^h 10 ^m 50	^h 11 ^m 50	^h 12 ^m 50	^h 13 ^m 50	^h 14 ^m 50	^h 15 ^m 50	^h 16 ^m 50	^h 17 ^m 50
DECLINATION.	Mean Reading in Sc. Divs. - -	93.37	92.84	92.91	94.24	96.01	98.10	99.82	100.39	99.77	98.66	97.28	96.56
	Diurnal { Sc. Divs. - -	0.53	0.00	0.07	1.40	3.17	5.26	7.00	7.57	6.95	5.84	4.46	3.74
	Variation in { Arc. - - - -	0.35	0.00	0.05	0.95	2.18	3.59	4.75	5.16	4.74	3.93	3.06	2.51
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	71.26	68.04	64.45	62.14	61.09	61.20	62.28	63.38	64.04	63.77	62.68	64.31
	Temperature - - - - -	41.6	42.6	43.5	44.3	45.1	45.8	46.4	46.7	47.0	46.6	46.2	45.6
	Sc. Divs. corrected to 41°.3 Fahr.	71.78	70.28	68.23	67.30	67.63	68.94	71.05	72.67	73.84	72.89	71.11	71.71
	Diurnal { Sc. Divs. - - -	4.48	2.98	0.93	0.00	0.33	1.64	3.75	5.37	6.54	5.59	3.81	4.41
	Variation in { Parts of Force -	.00076	.00050	.00016	.00000	.00006	.00028	.00063	.00091	.00111	.00094	.00064	.00075

Increasing Numbers denote increasing Easterly

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.			Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
			Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°	°				
19	10	0	28.814	40.5	34.5	— ^a	S. W.	Strong.	1.0	Gloomy; passing temporary showers; snow.
	11	0	28.836	41.0	33.5	—	S. S. W.	Mod. Gale.		Snow; sky breaking.
	12	0	28.868	40.2	33.5	—	S. S. W.	Mod. Gale.	1.0	Overcast; squally.
	13	0	28.902	40.2	35.5	—	S. S. W.	Str. Gale.	1.0	Overcast; squally.
	14	0	28.958	41.5	35.5	—	N. W.	Light.	0.7	
	15	0	28.968	41.8	36.0	—	S. W.	Mod. Gale.	0.5	
	16	0	28.962	41.0	36.0	—	S.	Gentle.	0.2	
	17	0	28.948	40.5	35.0	—	S. W.	Gentle.	0.6	
	18	0	28.970	40.5	35.0	—	S. W.	Moderate.	0.2	
	19	0	28.952	40.2	33.0	—	N.	Moderate.	1.0	Overcast; gloomy; squally; passing showers.
	20	0	28.932	40.5	35.0	—	W.	Slight.	1.0	Overcast; gloomy.
	21	0	28.938	41.0	34.0	—	W.	Gentle.	1.0	Overcast; gloomy.

^a Not recorded.

MAGNETICAL OBSERVATIONS.^b

October 19th and 20th.

Mean Göttingen Time.	DECLINATION.											
	Angular Value of one Scale Division = 0'.679.											
	22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.	Sc. Div.
0 0	92.4	92.7	91.5	92.2	91.3	91.7	93.6	95.1	97.4	98.4	99.0	98.3
5 0	92.4	92.5	92.0	92.3	91.1	91.6	93.5	95.3	97.5	98.4	98.6	98.3
10 0	92.4	92.5	91.7	92.1	91.3	91.4	93.6	95.6	97.6	98.5	98.6	97.9
15 0	92.3	92.8	91.2	91.9	91.4	91.4	93.6	95.7	97.5	98.6	98.7	97.8
20 0	92.4	92.7	91.5	91.8	91.5	92.0	93.8	95.9	97.5	98.6	98.7	97.3
25 0	92.3	92.5	92.1	91.7	91.7	91.9	93.8	96.3	97.8	98.5	98.8	97.5
30 0	92.1	92.1	92.1	91.4	91.4	92.1	93.8	96.6	98.1	98.5	98.6	97.4
35 0	92.1	92.2	92.0	91.4	91.3	92.4	94.1	96.4	98.4	99.1	98.6	97.2
40 0	92.4	92.2	92.2	91.8	91.9	92.7	94.4	96.9	98.3	99.0	98.7	97.3
45 0	93.0	92.0	92.1	91.3	91.8	92.7	94.5	96.7	98.3	98.7	98.7	96.7
50 0	93.1	91.8	92.5	91.2	91.4	92.6	95.1	97.1	98.3	98.7	98.7	96.7
55 0	93.0	91.7	92.2	91.1	91.4	93.1	95.3	97.2	98.3	99.0	98.5	96.8

M. S.	HORIZONTAL FORCE.											
	Change in the Magnetic Moment of the Bar for 1° Fahr. = .00029.											
2 30	72.7	71.6	70.3	67.4	67.3	66.2	64.9	65.8	65.7	65.0	66.5	66.3
12 30	72.7	71.5	69.9	67.1	67.3	66.3	65.4	66.2	66.1	64.7	67.0	66.6
22 30	72.4	71.4	70.0	67.0	67.1	65.8	65.5	66.5	66.1	64.8	65.9	67.3
32 30	72.6	71.0	69.5	66.7	66.5	65.8	65.6	66.3	66.0	65.2	67.5	67.3
42 30	72.2	70.6	68.4	67.0	67.1	65.7	65.7	66.3	65.4	65.7	67.1	67.5
52 30	71.9	70.4	67.6	67.3	66.7	65.6	66.3	65.9	65.3	66.4	66.2	68.5

Thermometer	40.8	40.7	41.2	41.2	41.4	42.4	42.8	43.2	44.0	45.0	45.5	45.0
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DERIVED FROM OBSERVATIONS BETWEEN SEPTEMBER 30th AND OCTOBER 31st. (SUNDAYS EXCEPTED.)

Hours at Göttingen.		12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	21 ^h .	22 ^h .	23 ^h .
Hours at Hermit's Island, Cape Horn.		^h 18 ^m 50	^h 19 ^m 50	^h 20 ^m 50	^h 21 ^m 50	^h 22 ^m 50	^h 23 ^m 50	0 50	1 50	2 50	3 50	4 50	5 50
DECLINATION.	Mean Reading in Sc. Divs. - -	96.09	95.88	95.78	95.51	94.86	94.72	94.50	94.45	94.57	94.40	94.36	94.15
	Diurnal { Sc. Divs. - - -	3.27	3.06	2.96	2.69	2.04	1.90	1.68	1.63	1.75	1.58	1.54	1.33
	Variation in { Arc - - - - -	2.24	2.11	2.04	1.83	1.37	1.29	1.15	1.09	1.22	1.09	1.02	0.88
HORIZONTAL FORCE.	Mean Reading in Sc. Divs. - -	65.69	67.33	68.52	69.35	70.37	71.47	71.82	72.10	72.28	72.35	72.60	72.76
	Temperature - - - - -	44.9	44.3	43.7	43.6	42.8	42.4	42.0	41.8	41.6	41.5	41.3	41.5
	Sc. Divs. corrected to 41° 3 Fahr.	71.88	72.49	72.65	73.31	72.95	73.36	73.02	72.96	72.80	72.69	72.60	73.10
	Diurnal { Sc. Divs. - - -	4.58	5.19	5.35	6.01	5.65	6.06	5.72	5.66	5.50	5.39	5.30	5.80
Variation in { Parts of Force -	.00077	.00088	.00090	.00102	.00095	.00102	.00097	.00096	.00093	.00091	.00090	.00098	

Declination, and increasing Horizontal Force.

METEOROLOGICAL TERM OBSERVATIONS.

Mean Göttingen Time.	Barometer.		Thermometers.		Wind.		Extent of Cloudy Sky.	Weather and Phenomena.
	Height.	Attached Thermometer.	Dry.	Wet.	Direction.	Force.		
D. H. M.	In.							
19 22 0	28.904	40.4	33.0	—	N. N. E.	Light Air.	1.0	Overcast.
23 0	28.850	41.0	35.5	—	S. W.	Gentle.	1.0	Overcast; light snow.
20 0 0	28.804	40.6	35.5	—	S. W.	Gentle.	1.0	Overcast; light snow.
1 0	28.776	41.0	35.0	—	S. W.	Moderate.	1.0	Overcast; very light snow.
2 0	28.726	40.8	39.5	—	S. W.	Mod. Gale.	1.0	Overcast; squally.
3 0	28.712	41.0	37.0	—	S. S. W.	Str. Gale.	0.9	Squally; snow.
4 0	28.686	42.0	41.5	—	S. S. W.	Str. Gale.	0.9	Squally.
5 0	28.688	43.0	43.0	—	S. S. W.	Fresh Gale.	0.9	Squally.
6 0	28.704	43.0	43.0	—	S. W.	Fresh Gale.	0.6	Squally.
7 0	28.730	44.0	41.0	—	S. W.	Fresh Gale.	0.7	Squally.
8 0	28.784	42.0	33.5	—	S. W.	Fresh Gale.	1.0	Overcast; gloomy; snow; hail.
9 0	28.882	42.0	33.0	—	S. W.	Str. Breeze.	1.0	Passing showers; snow.

^b These observations at St. Martin's Cove were made with different instruments from those used at the other stations named in these series.

VAN DIEMEN'S ISLAND.

ABSOLUTE HORIZONTAL FORCE,

1840, 1841, 1842, 1843, 1844, 1845, 1846, AND 1847.



OBSERVATIONS

OF THE

ABSOLUTE HORIZONTAL FORCE AT THE HOBARTON OBSERVATORY.

Computed by Captain Younghusband, Royal Artillery.

THE experiments for measuring the Absolute Horizontal Force were commenced by Lieutenant Kay, R.N., in September 1840. This volume contains the results of these experiments from that time until December 1847. As during this period the instruments employed, and consequently the system of observation, were from time to time improved, it appears desirable to class the results in series, showing the progress of the improvement, and the greater degree of precision which was latterly attained, over that which could be procured when the Observatories were first established.

The first series contains observations monthly, from September 1840, to February 1843, and for the last portion of this period at intervals of a fortnight, made with the 15-inch bars used in the Observatory, and in the manner described in pages 19 to 23 of the original Instructions of the Royal Society; the Declination Magnet having been removed for the purpose of vibrating the deflecting bar.

For the experiments of deflection two distances were employed at which the angles were calculated by the formulæ

$$u = na \left(1 + \frac{H}{F} \right)$$

and the value of $\frac{m}{X}$ by the formula

$$\frac{m}{X} = \frac{r_1^5 \tan u' - r^5 \tan u}{2(r_1^2 - r^2)} \quad \&c.$$

n being the amount of deflection in scale divisions, a the arc value of one division, and u and u' the corresponding angles of deflection at the respective distances r and r_1 ; the quantity $m X$ was made equal to $\frac{\pi^2 K}{T^2}$, π denoting the ratio of the circumference of a circle to its diameter, K the moment of inertia, and T the time of one vibration of the bar. The moment of inertia K is given by the formula

$$K = \frac{a^2 + b^2}{12} M$$

in which a and b denote respectively the length and breadth of the bar in feet and decimals, and M its mass in grains. In this instance

$$a = 1.250, \quad b = 0.07292, \quad \text{and } M = 6502.75.$$

The constant $\log. \pi^2 K$ is therefore equal to

$$2 \log. \pi + \log. \frac{1 \cdot 250^2 + 0 \cdot 07292^2}{12} + \log. 6502 \cdot 75 = 3 \cdot 9235093$$

The magnet was vibrated without any of its appendages, and the values of T^2 are corrected for the rate of the chronometer, and the torsion of the thread.

The values of $\frac{m}{X}$ and $m X$ being known, those of m and X are at once obtained.

TABLE I.—Containing the Observations of the Absolute Horizontal Intensity, made with the 15-inch bar Magnets.

DATE.	Experiments of Deflection.					Experiments of Vibration.			Results.	
	Distances.		Angles, (corrected for the Torsion of the Thread.)		Temperature of Magnet, $q = \cdot 00036$	Observed time of one Vibration.	Rate of Chronometer.	Temperature of Magnet, $q = \cdot 00036$	m	X
	r	r_1	u	u'						
1840	Feet.	Feet.	° ' "	° ' "	°	Sec.	Sec.	°		
Sept. 21	5·9800	8·0817	1 00 45	0 24 18	—	14·598	—	—	8·497	4·627
Dec. 3	5·8883	7·8873	1 04 22	0 27 15	75·0	14·550	—	74·0	8·865	4·464
1841										
January 2	5·8883	7·8875	1 03 44	0 26 29	—	14·573	—	73·0	8·628	4·571
February 1	5·8883	7·8875	1 03 23	0 26 08	71·0	14·654	—	—	8·483	4·599
March 1	5·8883	7·8875	1 04 20	0 26 46	—	14·621	—	—	8·650	4·530
April 1	5·8883	7·8875	1 03 20	0 26 27	71·5	14·700	—	—	8·577	4·520
May 3	5·8883	7·8875	1 03 23	0 26 33	—	14·611	—	—	8·690	4·547
June 1	5·8883	7·8875	1 02 20	0 26 05	—	14·613	—	—	8·575	4·577
July 2	5·8883	7·8875	1 04 36	0 27 01	—	14·577	—	—	8·747	4·507
August 2	5·8883	7·8875	1 01 40	0 25 28	—	14·878	—	—	8·256	4·584
Sept. 1	5·8900	7·8900	1 01 50	0 25 21	—	14·921	—	—	8·178	4·601
October 1	5·8900	7·8900	1 01 57	0 25 53	—	14·743	—	65·0	8·464	4·553
Nov. 1	5·8900	7·8900	1 00 09	0 25 08	69·0	15·088	—	67·0	8·152	4·514
Nov. 30	5·8900	7·8900	0 58 32	0 24 34	65·0	15·063	—	65·0	8·095	4·561
1842										
January 1	5·8900	7·8900	1 01 14	0 25 47	67·0	14·948	—	65·0	8·369	4·479
February 1	5·2200	6·2200	1 27 42	0 52 05	66·0	14·961	+6·8	66·0	8·306	4·506
March 1	5·2200	8·0575	1 27 56	0 24 12	67·0	14·938	+6·7	67·0	8·348	4·496
April 1	5·2200	8·0575	1 28 32	0 24 10	61·0	14·935	+6·3	61·0	8·319	4·514
May 2	5·2187	8·9150	1 28 00	0 17 48	59·0	14·944	+6·0	59·0	8·312	4·513
June 1	5·2187	8·9150	1 28 04	0 17 47	52·8	14·940	+5·6	52·8	8·305	4·519
July 1	5·2187	8·9150	1 28 41	0 17 39	44·2	14·884	+5·0	44·5	8·278	4·568
August 1	5·2187	8·9150	1 29 08	0 18 22	43·2	14·873	+5·2	43·2	8·523	4·443
Sept. 1	5·2187	8·9150	1 28 06	0 17 52	52·2	14·912	+5·6	52·5	8·352	4·510
October 1	5·3824	8·9150	1 20 34	0 17 52	54·6	14·958	+6·7	54·8	8·323	4·498
October 15	5·2187	8·9150	1 28 49	0 17 54	49·0	14·942	+6·6	49·8	8·331	4·504
Nov. 1	5·2187	8·9150	1 28 14	0 17 48	57·5	14·945	+7·8	58·0	8·306	4·515
Nov. 15	5·2187	8·9150	1 26 34	0 17 36	57·0	15·030	+7·6	59·8	8·226	4·507
Dec. 1	5·2187	8·9150	1 28 03	0 17 46	64·8	14·965	+8·3	65·0	8·289	4·512
Dec. 15	5·2187	8·9150	1 28 20	0 17 49	59·0	14·944	+8·0	60·2	8·308	4·515
1843										
January 2	5·2187	8·9150	1 26 28	0 17 22	62·4	15·079	+7·8	65·0	8·126	4·538
January 16	5·2187	8·9150	1 26 20	0 17 34	61·0	15·074	+7·8	61·0	8·200	4·498
February 1	5·2187	8·9150	1 26 36	0 17 28	57·6	15·082	+8·3	58·8	8·156	4·519
Feb. 15	5·3824	8·9150	1 18 35	0 17 31	57·0	15·126	+8·6	57·5	8·162	4·489

2nd Series.—It was found that the frequent removal of the declinometer magnet, for the purpose of vibrating the deflecting bar employed in the Absolute Intensity experiments, caused constant interruptions to the regular observations of the declination; it was therefore deemed advisable to make use of a separate instrument for the absolute determinations, in which the original form was somewhat modified, so as to adapt it more completely to its special purpose. This instrument, called the Unifilar Magnetometer, is described at length in the Royal Society's revised Instructions, page 21; the principal difference from the original declination magnetometer consists in the use of bar magnets 12, instead of 15 inches in length, and a rectangular, instead of a circular box.

Observations were made with this instrument from June 23rd, to July 1st, 1843, and in the same manner as those of the first series. Two distances were employed and the angles of deflection found by the formulæ

$$\tan 2 u = n \tan 2 a \left(1 + \frac{H}{F} \right) \text{ \&c.}$$

The bar was suspended for vibration by a small loop of silk, as before, and divested of all its appendages, K being equal to $\frac{a^2 + b^2}{12} M = \frac{1 \cdot 0033^2 + 0 \cdot 0721^2}{12} \times 5151 \cdot 5 = 434 \cdot 36$ and the log. of $\pi^2 K = 0 \cdot 9942998 + 2 \cdot 6378496 = 3 \cdot 6321494$.

TABLE II.—*Experiments of the Absolute Horizontal Intensity, with the Unifilar Magnetometer and 12-inch bars.*

DATE.	Experiments of Deflection.							Experiments of Vibration.						Values of	
	Distances.		Corrected Angles.		Tempera- ture of the Magnet.	Bifilar Magneto- meter at 40° k=000120	Observed Time of one Vibration.	Rate of Chrono- meter.	Semiarcs.		Tempera- ture of Magnet q = 00040	Bifilar Magneto- meter at 40° k=000120	m			X
	r	r ₁	u	u'					Initial.	Terminal.					
1843															
D.	Feet.	Feet.	° ' "	° ' "	°	Sc. Div.	Sec.	Sec.	'	'	°	Sc. Div.			
23	4.505	6.005	1 37 13	0 41 08	58.6	237.0	12.739	-6.6	250	124	58.7	236.1	5.8541	4.5079	
24	4.505	6.005	1 37 26	0 41 19	50.9	240.5	12.680	-6.6	250	124	50.5	241.6	5.9030	4.5125	
24	4.505	6.005	1 37 21	0 41 08	53.5	236.6	12.697	-6.6	250	124	53.5	235.0	5.8680	4.5275	
26	4.505	6.005	1 38 11	0 41 20	51.3	236.5	12.731	-6.6	250	124	50.7	237.8	5.8605	4.5091	
26	4.505	6.005	1 37 53	0 41 16	50.5	233.5	12.709	-6.6	250	124	51.2	234.1	5.8638	4.5218	
27	4.505	6.005	1 37 01	0 40 40	49.2	237.1	12.682	-6.6	250	124	49.5	238.8	5.8119	4.5318	
27	4.004	5.379	2 17 25	0 56 46	52.5	234.9	12.673	-6.6	250	124	52.6	236.4	5.8542	4.5555	
28	4.004	5.379	2 18 59	0 57 44	49.6	238.0	12.664	-6.6	250	124	48.8	238.5	5.9336	4.5006	
28	4.004	5.296	2 18 51	1 00 21	53.5	235.9	12.692	-6.6	250	124	52.8	236.8	5.9088	4.4997	
29	4.004	5.296	2 17 12	0 59 28	50.3	230.1	12.679	-6.6	250	124	49.8	241.1	5.8604	4.5459	
29	4.004	5.296	2 17 14	0 59 37	50.5	233.9	12.708	-6.6	250	124	50.7	236.0	5.8629	4.5234	
30	4.004	5.296	2 18 38	1 00 47	49.0	240.4	12.686	-6.6	250	124	48.8	241.7	5.9664	4.4601	
July 1	4.004	5.296	2 18 51	1 00 32	51.4	220.7	12.717	-6.6	250	124	51.5	218.2	5.9178	4.4750	

3rd Series.—The observations of which the third series is composed are 45 in number, and extend from August, 1843, to September, 1844; they were made with the same instrument as in the second series, but with shorter, and for their size, more powerful bars, so that considerably greater angles of deflection were obtained without infringing

upon the rule that "the least distance of the deflecting bar should be not less than four times its own length."

The lengths of the magnets employed were 7.50 inches for the suspended, and 9.18 inches for the deflecting, or in the proportion of 1 : 1.224 very nearly, and the distances of deflection were 3.2885 feet and 4.3384 feet, or in the proportion of 1 : 1.32 very nearly. The corresponding angles u and u' were calculated, as in the last series, by the formulæ

$$\tan 2u = n \tan 2a \left(1 + \frac{H}{F}\right),$$

&c.

The values of $\frac{m}{X}$ were found for each deflecting distance by the formulæ

$$\frac{m}{X} = \frac{1}{2} r^3 \tan u \left(\frac{1}{1 + \frac{P}{r^2}}\right) \text{ and } \frac{m}{X} = \frac{1}{2} r_1^3 \tan u' \left(\frac{1}{1 + \frac{P}{r_1^2}}\right)$$

For the purpose of obtaining the last factor in each of these equations a mean of all the angles of deflection at each distance was taken, and the coefficient P deduced by the formula

$$P = - \frac{r^2 r_1^5 \tan u' - r_1^2 r^5 \tan u}{r_1^5 \tan u' - r^5 \tan u}$$

Experiments of Vibration.—In the experiments of vibration of this series the magnet was suspended in a stirrup, and the moment of inertia of bar and stirrup was determined by attaching a cylindrical copper weight at each end of the magnet, and in this manner observing a second series of vibrations :

If K' = the moment of inertia of the weights,

T = the time of vibration of the magnet with the stirrup alone,

and T = the time of vibration with the weights attached,

then the moment of inertia of the bar and stirrup, K , is equal to $K' \left(\frac{T^2}{T'^2 - T^2}\right)$

K' being found by the formula

$$K' = \left(\frac{1}{2} l^2 + r^2\right) p$$

in which l equals the interval between the points of suspension of the weights, or the length of the magnet diminished by the depth of the grooves in which the threads rest, r the radius of the cylinders, and $2p$ their mass; one foot and one grain being respectively the units of calculation :

The value of r being here 0.025 feet, and of p 1762.5 grains

K' was found equal to 515.17 $K = 189.101$

and the log of $\pi^2 K = 3.2709932$

K having been obtained, the value of $mX = \frac{\pi^2 K}{T^2}$ as before.

The two parts of the experiment, those of deflection and vibration, were reduced to the same reading of the Bifilar Magnetometer scale, before the final results m and X were deduced.

TABLE III.—Observations of the Absolute Horizontal Intensity with the Unifilar Magnetometer and Magnets, 7.50-in. Suspended, and 9.18-in. Deflecting.

Mean Time at Van Diemen Island.	Experiments of Deflection.						Experiments of Vibration.				Results.		
	Distances.		Corrected Angles.		Temp. of Magnet $q=0.00170$	Bifilar Readings at 40° $k=0.00229$ $q=0.00230$	Log. Values of $\frac{m}{X}$	Corrected Times of one Vibration.	Temp. of Magnet $q=0.00170$	Bifilar Readings at 40° $k=0.00229$ $q=0.00230$	Log. Values of mX	m	X
	r	r_1	u	u'									
1843													
D. H.	Feet.	Feet.	° ' "	° ' "	°	Sc. Div.		Seconds.	°	Sc. Div.			
August.													
21 04	3.2885	4.3384	4 30 56	1 58 00	54.6	177.1	0.14600	8.137	55.0	177.4	1.45001	6.2807	4.4875
21 20	3.2885	4.3384	4 30 47	1 58 00	49.6	177.8	0.14588	8.136	49.0	177.6	1.45017	6.2810	4.4889
22 02	3.2885	4.3384	4 30 56	1 57 58	51.9	174.5	0.14594	8.141	52.2	174.5	1.44958	6.2771	4.4856
22 04	3.2885	4.3384	4 30 35	1 58 00	53.7	178.4	0.14572	8.144	54.0	177.1	1.44912	6.2722	4.4843
22 20	3.2885	4.3384	4 31 07	1 57 41	48.0	174.8	0.14557	8.144	48.0	173.7	1.44911	6.2710	4.4850
23 04	3.2885	4.3384	4 30 38	1 57 51	54.5	175.3	0.14548	8.149	54.9	175.3	1.44880	6.2682	4.4839
23 20	3.2885	4.3384	4 30 53	1 58 11	50.7	172.2	0.14630	8.150	52.0	173.5	1.44865	6.2730	4.4789
24 03	3.2885	4.3384	4 30 46	1 57 52	52.4	173.2	0.14562	8.152	52.3	174.2	1.44844	6.2673	4.4818
24 05	3.2885	4.3384	4 30 46	1 57 54	52.0	175.3	0.14568	8.153	52.0	175.6	1.44837	6.2665	4.4806
25 20	3.2885	4.3384	4 30 24	1 57 55	49.2	176.9	0.14542	8.150	49.2	176.7	1.44858	6.2661	4.4831
Nov.													
1 19	3.2885	4.3384	4 28 42	1 56 39	59.2	195.9	0.14170	8.175	59.7	194.9	1.44589	6.2200	4.4884
15 20	3.2885	4.3384	4 28 08	1 56 47	60.7	197.1	0.14149	8.177	59.8	197.6	1.44581	6.2180	4.4891
Dec. 4 20	3.2885	4.3384	4 28 09	1 56 49	62.8	203.4	0.14156	8.180	62.9	201.4	1.44525	6.2145	4.4850
1844													
January.													
1 19	3.2885	4.3384	4 27 43	1 56 45	62.2	207.6	0.14108	8.186	61.1	208.9	1.44493	6.2087	4.4866
2 04	3.2885	4.3384	4 28 04	1 56 47	65.2	210.0	0.14143	8.189	65.6	210.5	1.44450	6.2082	4.4826
2 19	3.2885	4.3384	4 26 47	1 56 20	62.8	207.0	0.13955	8.190	62.6	207.5	1.44444	6.1942	4.4920
3 03	3.2885	4.3384	4 26 43	1 56 14	66.5	211.0	0.13930	8.209	66.5	210.7	1.44228	6.1772	4.4821
3 21	3.2885	4.3384	4 26 56	1 56 20	66.1	207.4	0.13967	8.211	64.2	207.2	1.44223	6.1794	4.4800
4 08	3.2885	4.3384	4 26 51	1 56 10	64.5	213.2	0.13929	8.208	65.7	213.8	1.44245	6.1782	4.4831
4 18	3.2885	4.3384	4 26 42	1 56 17	64.0	211.7	0.13938	8.205	64.1	212.9	1.44245	6.1790	4.4826
5 19	3.2885	4.3384	4 27 26	1 56 40	61.6	207.7	0.14070	8.211	61.8	207.3	1.44214	6.1861	4.4742
7 19	3.2885	4.3384	4 27 06	1 56 24	65.0	206.4	0.13993	8.217	65.1	209.0	1.44177	6.1780	4.4763
8 05	3.2885	4.3384	4 26 52	1 56 17	62.8	211.8	0.13952	8.209	62.8	211.3	1.44234	6.1792	4.4813
8 19	3.2885	4.3384	4 26 54	1 56 26	58.8	205.3	0.13983	8.208	58.5	209.2	1.44290	6.1854	4.4827
9 03	3.2885	4.3384	4 26 54	1 56 17	61.8	210.6	0.13955	8.211	62.3	210.4	1.44213	6.1779	4.4801
9 20	3.2885	4.3384	4 26 56	1 56 17	58.6	205.5	0.13957	8.205	59.0	207.2	1.44294	6.1838	4.4842
10 20	3.2885	4.3384	4 27 22	1 56 43	60.5	205.7	0.14074	8.211	60.9	204.0	1.44198	6.1852	4.4732
31 18	3.2885	4.3384	4 26 55	1 56 43	61.0	214.0	0.14037	8.205	61.0	214.5	1.44287	6.1889	4.4797
Mar. 1 20	3.2885	4.3384	4 26 50	1 56 17	64.0	214.9	0.13949	8.224	63.0	216.9	1.44101	6.1696	4.4746
Apr.													
1 19	3.2885	4.3384	4 26 35	1 56 18	52.0	215.3	0.13932	8.218	53.7	215.6	1.44137	6.1708	4.4774
30 20	3.2885	4.3384	4 26 00	1 55 51	56.2	214.4	0.13800	8.236	60.4	212.4	1.43905	6.1451	4.4722
July.													
1 21	3.2885	4.3384	4 26 13	1 56 03	43.5	217.5	0.13855	8.228	44.5	217.1	1.44027	6.1576	4.4757
2 02	3.2885	4.3384	4 26 04	1 55 59	47.5	214.1	0.13831	8.232	46.5	213.7	1.44001	6.1539	4.4756
2 20	3.2885	4.3384	4 25 58	1 55 53	49.5	219.4	0.13804	8.228	50.0	219.3	1.44034	6.1544	4.4786
3 03	3.2885	4.3384	4 25 46	1 55 58	51.5	218.3	0.13803	8.231	51.0	217.3	1.44004	6.1558	4.4772
3 21	3.2885	4.3384	4 25 42	1 55 40	48.8	220.8	0.13741	8.230	50.0	220.7	1.44011	6.1484	4.4807
4 02	3.2885	4.3384	4 25 34	1 55 42	53.0	217.8	0.13736	8.242	52.5	217.7	1.43896	6.1398	4.4750
4 21	3.2885	4.3384	4 26 08	1 55 51	45.0	219.8	0.13811	8.229	46.4	219.6	1.44017	6.1537	4.4774
5 02	3.2885	4.3384	4 25 35	1 55 43	52.0	218.4	0.13741	8.228	52.0	218.2	1.44038	6.1503	4.4821
5 21	3.2885	4.3384	4 25 46	1 55 48	47.0	219.1	0.13772	8.230	46.5	219.5	1.44027	6.1516	4.4800
6 03	3.2885	4.3384	4 25 58	1 55 51	47.2	217.5	0.13797	8.230	47.5	217.5	1.44017	6.1528	4.4781
7 21	3.2885	4.3384	4 25 28	1 55 27	49.0	218.1	0.13681	8.231	48.5	217.4	1.43905	6.1366	4.4783
8 21	3.2885	4.3384	4 26 05	1 55 52	44.0	217.7	0.13810	8.230	45.0	216.5	1.44010	6.1525	4.4767
Aug. 2 03	3.2885	4.3384	4 25 46	1 55 56	49.2	212.0	0.13797	8.234	49.5	213.0	1.43974	6.1496	4.4759
Sept. 2 02	3.2885	4.3384	4 27 12	1 55 23	55.2	214.7	0.13810	8.245	55.6	216.3	1.43863	6.1428	4.4695

4th Series.—We have thus far detailed all the experiments made up to September, 1844, in which the magnets employed, as will have been seen, varied in length from 15 to 7½ inches. We have now to notice experiments with magnets of from 2·45 to 3·67 inches; a complete set of the small instruments, with the instructions for their use drawn up by Captain C. J. B. Riddell, having by this time arrived at Van Diemen Island. Three separate instruments, different in construction, were used in these experiments, and occasional observations were still made with the 9·18 and 7·50 inch bars, in the large unifilar previously described. This series, therefore, may be divided into four classes, viz.—

- 1°. With the small unifilar, in which the deflecting magnet is borne on supports, moving independently of the magnetometer, and is always brought to a right angle with the suspended bar; the amount of deflection is, in this case, read off on a straight scale at a distance.
- 2°. With the portable unifilar, with attached telescope, scale, and deflecting bar supports revolving with the magnetometer, and bringing the deflecting bar to a right angle with the suspended one; the zero point of the scale is reflected on the vertical wire of the telescope, and the angle of deflection is read off by the verniers of the horizontal circle.
- 3°. With the portable declinometer, in which a collimator magnet, carrying a lens and scale is employed. The deflecting bar, in this case, remains at right angles to the magnetic meridian, and the reading of the scale is observed with a theodolite placed at a distance.
- 4°. With the large unifilar magnetometer described in the preceding series.

The magnets, used in the several instruments, and their lengths, were as follows:—

INSTRUMENTS.	SUSPENDED.		DEFLECTING.		REMARKS.
	Mark.	Length in Inches.	Mark.	Length in Inches.	
Small Observatory Unifilar	A. 57	3 00	{ D. xv. D. 9	{ 3·67 3·67	Solid cylinders.
Ditto	I. 12	2·45	{ A. 19 A. 29	{ 3·00 3·00	Ditto
Portable Unifilar - - -	A. 52	3 00	D. xvi.	3·67	Ditto
Ditto	I. 1	2·45	A. 23	3·00	Ditto
Portable Declinometer- -	C. 17	—	C. 30	—	Collimator Magnets.
	C. 30	—	I. 18	—	Ditto
Large Unifilar - - - -	—	7·50	—	9·18	Rectangular bars.

The temperature coefficients of the deflecting bars are thus given by Lieutenant Kay:

Bar D. xv.	·000193
D. 9	·000073
A. 19	·000094
A. 29	·000165
D. xvi.	·000195
A 23	·000124
C. 30	·000145
I. 18	·000572*
9·18 Inch	·000170

* This coefficient is extremely large, but there is no reason to doubt the accuracy of the value assigned. Three experiments were made for its determination, the results being ·000579, ·000567, and ·000571; Mean ·000572.

The values of $\frac{m}{X}$ are calculated for each distance by the formula $\frac{m}{X} = \frac{1}{2} r^3 \sin u$, where the deflecting magnet is perpendicular to the suspended one; and by the formula $\frac{m}{X} = \frac{1}{2} r^3 \tan u$, where it is perpendicular to the magnetic meridian; the magnets were suspended in stirrups for the purpose of vibration, and the moments of inertia of magnet and stirrup ascertained by observing the time of vibration of the mass increased by the addition of weights whose moment of inertia was already known.

The weights employed were copper cylinders.

Weights.	<i>r</i>	<i>p</i>
	Feet.	Grains.
5 and 5'	·01312	201·69
7 and 7'	·01681	404·10
1 and 2	·02470	1762·50

The next Table contains a value for K' for each deflecting bar, with a specification of the weights used in the respective determinations.

Deflecting Magnet.	Weights.	Log. Values of K'.
D. xv.	5 and 5'	0·964358
D. 9	—	0·963153
A. 19	—	0·806228
A. 29	—	0·106228
D. xvi.	—	0·964358
A. 23	—	0·806228
C. 30	7 and 7'	1·351257
I. 18	—	1·340351
9·18 Inch	1 and 2	2·713802

The results of all the four series have yet to be corrected for the alteration which takes place in the magnetic moment of the deflecting magnet, in the two positions in which it is employed in the experiments of deflection and of vibration, namely, perpendicular, or nearly so, to the magnetic meridian in the first case, and coinciding with it in the other. In the experiments of deflection the magnetic moment is that proper to the magnet itself; in the experiments of vibration, the proper magnetic moment of the bar is augmented by the effect induced by the earth's magnetism. The correction of the results on this account, though small in most cases, is different in different magnets, and has yet to be determined for the magnets employed by Lieutenant Kay.

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.	
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values of $\frac{m}{X}$	Observed Time of one Vibration.	Log. Values of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 40°.	<i>m</i>	<i>X</i>
			<i>r r', r'', &c.</i>	<i>u u' u'', &c.</i>							
1844			Feet.	° ' "		Sec.		°	Sc. Div.		
D. H.											
Nov. { 7 03	7.50 In.	9.18 In.	{ 3.333 3.867 4.400	{ 4 14 21 2 43 33 1 50 21	{ 0.1374255 0.1388085 0.1359758	8.238	1.4452719	60.0	221.8	{ 6.1851 6.1950 6.1748	{ 4.5074 4.5002 4.5149
{ 7 03	A. 57	D. xv.	{ 1.30 1.40 1.50	{ 7 52 40 6 17 47 5 05 24	{ 9.1777782 9.1774811 9.1752671	3.543	0.4893419	68.0	229.0	{ 0.6816 0.6814 0.6797	{ 4.5267 4.5282 4.5398
{ 9 00	A. 57	D. xv.	{ 1.30 1.40 1.50 1.60 1.70	{ 7 50 34 6 15 50 5 05 25 4 10 03 3 29 31	{ 9.1761166 9.1754789 9.1754469 9.1727361 9.1750237	3.567	0.4836619	63.5	221.8	{ 0.6759 0.6754 0.6754 0.6733 0.6751	{ 4.5058 4.5091 4.5092 4.5233 4.5114
{ 11 22	A. 57.	D. xv.	{ 1.30 1.40 1.50 1.60 1.70	{ 7 45 38 6 12 37 5 02 58 4 09 20 3 28 06	{ 9.1711839 9.1714668 9.1717860 9.1714921 9.1720491	3.594	0.4771281	65.0	219.9	{ 0.6670 0.6673 0.6675 0.6673 0.6677	{ 4.4975 4.4960 4.4943 4.4959 4.4930
{ 13 02	I. 12	A. 19	{ 1.15 1.25 1.35 1.45 1.55	{ 6 58 28 5 26 01 4 18 32 3 28 22 2 50 32	{ 8.9654260 8.9659761 8.9657873 8.9653183 8.9653121	3.431	0.2695638	63.0	227.1	{ 0.4145 0.4147 0.4146 0.4144 0.4144	{ 4.4881 4.4853 4.4862 4.4887 4.4887
{ 13 21	I. 12	A. 19	{ 1.15 1.25 1.35 1.45 1.55	{ 6 58 12 5 25 42 4 18 23 3 28 34 2 50 50	{ 8.9647168 8.9652968 8.9653724 8.9656526 8.9660839	3.431	0.2698918	59.0	224.5	{ 0.4146 0.4147 0.4146 0.4149 0.4147	{ 4.4905 4.4901 4.4886 4.4864 4.4858
{ 15 03	I. 12	A. 19	{ 1.15 1.25 1.35 1.45 1.55	{ 6 58 59 5 25 48 4 18 35 3 28 40 2 50 50	{ 8.9659267 8.9655710 8.9655935 8.9657300 8.9660839	3.431	0.2696079	60.6	225.4	{ 0.4146 0.4146 0.4148 0.4148 0.4146	{ 4.4876 4.4875 4.4868 4.4849 4.5031
{ 20 22	I. 1	A. 23	{ 1.00 1.10 1.20	{ 9 48 16 7 20 57 5 39 03	{ 8.9305516 8.9304780 8.9297992	3.589	0.2375852	65.8	222.4	{ 0.3838 0.3837 0.3834	{ 4.5031 4.5035 4.5070
{ 23 02	I. 1	A. 23	{ 1.00 1.10 1.20	{ 9 45 41 7 20 06 5 38 41	{ 8.9283539 8.9294100 8.9293303	3.588	0.2377839	66.8	226.6	{ 0.3829 0.3833 0.3833	{ 4.5155 4.5101 4.5105
{ 26 23	I. 1	A. 23	{ 1.00 1.10 1.20 1.30 1.40	{ 9 49 57 9 22 08 5 40 08 4 27 06 3 33 50	{ 8.9314819 8.9313726 8.9312832 8.9308364 8.9308748	3.587	0.2379746	68.1	223.7	{ 0.3843 0.3843 0.3843 0.3841 0.3841	{ 4.5003 4.5009 4.5013 4.5036 4.5034
1845											
{ 12 21	A. 57	D. xv.	{ 1.30 1.40 1.50 1.60 1.70	{ 7 45 12 6 12 02 5 02 18 4 08 57 3 27 33	{ 9.1709542 9.1710120 9.1709060 9.1708301 9.1709004	3.593	0.4784726	69.6	221.9	{ 0.6679 0.6679 0.6679 0.6678 0.6679	{ 4.5056 4.5053 4.5059 4.5063 4.5059
{ 14 01	I. 12	A. 19	{ 1.15 1.25 1.35 1.45 1.55	{ 6 56 46 5 24 29 4 17 27 3 27 51 2 50 09	{ 8.9633859 8.9638061 8.9638822 8.9642566 8.9643448	3.440	0.2666697	75.0	227.3	{ 0.4121 0.4123 0.4123 0.4125 0.4126	{ 4.4837 4.4815 4.4811 4.4792 4.4788
{ 15 00	I. 1	A. 23	{ 1.00 1.10 1.20 1.30 1.40	{ 9 47 42 7 20 44 5 39 18 4 26 36 3 33 24	{ 8.9293388 8.9296563 8.9300126 8.9299221 8.9299944	3.588	0.2378031	70.2	224.4	{ 0.3833 0.3835 0.3836 0.3836 0.3836	{ 4.5105 4.5089 4.5070 4.5075 4.5071
{ 19 23	A. 52	D. xvi.	{ 1.20 1.30 1.40	{ 10 43 15 8 24 18 6 43 44	{ 9.2060497 9.2055504 9.2061757	3.462	0.5111978	61.2	216.5	{ 0.7221 0.7217 0.7222	{ 4.4933 4.4959 4.4927

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.		
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values $\frac{m}{X}$	Observed Time of one Vibration.	Log. Values of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 40°.	m	X	
			$r r', r'', &c.$	$u u' u'', &c.$								
1845 D. H.			Feet.	° ' "		Sec.		°	Sc. Div.			
May.	5 21	A. 57	D. xv.	1.30	7 39 14	9.1652281	3.612	0.4716467	—	226.5	0.6583	4.4999
				1.50	4 58 30	9.1653341					0.6584	4.4994
				1.70	3 24 53	9.1652916					0.6584	4.4996
	6 22	A. 57	D. 9	1.20	7 51 57	9.0728115	3.964	0.3807352	—	227.2	0.5331	4.5077
				1.40	4 56 42	9.0728764					0.5331	4.5074
				1.60	3 18 36	9.0727924					0.5330	4.5078
	9 00	I. 1	A. 23	1.00	9 44 56	8.9278273	3.598	0.2334248	—	224.3	0.3807	4.4957
				1.20	9 37 17	8.9275632					0.3806	4.4970
				1.40	3 32 05	8.9273108					0.3805	4.4983
August.	15 23	A. 57	D. xv.	1.30	7 38 53	9.1649994	3.629	0.4667771	—	226.0	0.6545	4.4759
				1.40	6 06 46	9.1647017					0.6542	4.4775
				1.50	4 58 08	9.1648787					0.6544	4.4766
				1.60	4 05 39	9.1650185					0.6545	4.4758
				1.70	3 24 49	9.1651504					0.6546	4.4752
				1.20	7 50 02	9.0710439					0.5313	4.5112
	19 23	A. 57	D. 9	1.30	6 09 30	9.0713120	3.969	0.3796471	—	227.3	0.5315	4.5099
				1.40	4 55 34	9.0712248					0.5314	4.5103
				1.50	4 00 11	9.0711902					0.5314	4.5105
				1.60	3 17 56	9.0713347					0.5315	4.5097
				1.10	7 39 49	8.9481237					0.3991	4.4974
				1.20	5 54 13	8.9487548					0.3994	4.4942
	20 23	A. 57	A. 19	1.30	4 39 06	8.9498238	3.485	0.2540657	—	227.3	0.3999	4.4887
				1.40	3 43 25	8.9498966					0.3999	4.4883
				1.50	3 01 58	8.9507588					0.4003	4.4838
				1.00	9 42 46	8.9263486					0.3795	4.4965
				1.10	7 17 01	8.9264184					0.3795	4.4962
				1.20	5 35 54	8.9259022					0.3793	4.4988
23 00	I. 12	A. 23	1.30	4 22 59	8.9240723	3.605	0.2321112	—	226.3	0.3785	4.5083	
			1.40	3 31 34	8.9262520					0.3795	4.4970	
			1.00	9 12 03	8.9028715					0.3599	4.5004	
			1.10	6 54 05	8.9030180					0.3599	4.4997	
			1.20	5 18 33	8.9028641					0.3599	4.5005	
			1.30	4 10 20	8.9026908					0.3598	4.5014	
26 00	I. 12	A. 29	1.40	3 20 34	8.9027305	3.689	0.2093870	—	227.9	0.3598	4.5011	
			1.10	13 44 24	9.1989820					0.7114	4.4989	
			1.20	10 32 48	9.1990962					0.7115	4.4983	
			1.30	8 17 35	9.1998974					0.7121	4.4942	
			1.40	6 37 29	9.1994306					0.7117	4.4966	
			1.00	9 12 03	8.9028715					0.3599	4.5004	
28 00	R. 1	D. xvi.	1.10	6 54 05	8.9030180	3.477	0.5052103	—	225.8	0.3599	4.4997	
			1.20	5 18 33	8.9028641					0.3599	4.5005	
			1.30	4 10 20	8.9026908					0.3598	4.5014	
			1.40	3 20 34	8.9027305					0.3598	4.5011	
			1.10	13 44 24	9.1989820					0.7114	4.4989	
			1.20	10 32 48	9.1990962					0.7115	4.4983	
September.	1 23	C. 17	C. 30.	2.25	3 09 54	9.498209	4.809	0.8282881	—	—	1.4562	4.6242
				2.35	2 46 48	9.498436					1.4566	4.6230
				1.85	2 42 24	9.175219					0.6908	4.6144
	4 00	C. 30	I. 18	1.95	2 18 42	9.175118	7.123	0.5034641	—	—	0.6907	4.6150
				2.05	1 59 24	9.175137					0.6907	4.6149
				2.15	1 43 36	9.175501					0.6910	4.6129
				2.25	1 30 18	9.175030					0.6906	4.6154
				3.332	4 13 52	0.1362219					6.1325	4.4814
				3.865	2 42 52	0.1362014					6.1324	4.4815
	9 01	7.50 In.	9.18 In.	4.399	1 50 33	0.1364666	8.278	1.4390614	—	229.3	6.1342	4.4802

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.		
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values m of X	Observed Time of one Vibration.	Log. Values of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 46°.	m	X	
			$r r', r'', &c.$	$u u', u'', &c.$								
1846 D. H.			Feet.	° ' "		Sec.		°	Sc. Div.			
January.	1 04	A. 57	D. xv.	1·30	7 33 22	9·1592955	3·628	0·4673719	72·9	241·7	0·6506	4·5086
				1·50	4 54 35	9·1596679					0·6509	4·5066
	2 21	C. 30	I. 18	1·70	3 22 03	9·1592513	7·165	0·4919631	60·3	228·2	0·6506	4·5087
				1·85	2 39 04	9·167009					0·6753	4·5970
				2·05	1 57 03	9·167425					0·6756	4·5948
				2·25	1 28 07	9·167262					0·6755	4·5956
				3·332	4 12 52	0·1347308					6·0995	4·4726
				3·865	2 41 50	0·1335093					6·0909	4·4789
	4 00	7·50	9·18	4·399	1 49 46	0·1333663	8·293	1·4358639	70·5	237·4	6·0899	4·4796
				1·10	7 10 16	8·9196569					0·3735	4·4946
7 00	I. 1	A. 23.	1·30	4 20 00	8·9190439	3·630	0·2250466	68·2	238·3	0·3733	4·4978	
			1·40	3 28 10	8·9192251					0·3734	4·4968	
February.	2 1	A. 57	D. xv.	1·30	7 32 37	9·1589511	3·630	0·4668937	66·1	239·3	0·6500	4·5078
				1·50	4 53 57	9·1586980					0·6498	4·5091
				1·70	3 21 27	9·1579603					0·6493	4·5130
	3 2	I. 1	A. 23	1·00	9 29 29	8·9161608	3·640	0·2235190	63·2	236·2	0·3712	4·5048
				1·20	5 27 44	8·9151159					0·3710	4·5102
			1·40	3 26 14	8·9152125					0·3710	4·5097	
March.	1 20	A. 57.	D. xv.	1·30	7 32 21	9·1587812	3·643	0·4649120	61·5	234·4	0·6484	4·4984
				1·50	4 53 17	9·1577351					0·6476	4·5038
				1·70	3 21 07	9·1572067					0·6472	4·5066
	3 00	C. 30	I. 18	1·85	2 37 09	9·162899	7·197	0·4847733	64·1	235·1	0·6665	4·5867
				2·05	1 56 00	9·162581					0·6663	4·5824
				2·25	1 28 00	9·163820					0·6673	4·5759
				1·00	9 28 39	8·9155966					0·3697	4·4899
	4 23	I. 1	A. 23	1·20	5 27 54	8·9153105	3·653	0·2200789	69·3	233·4	0·3696	4·4914
				1·40	3 26 11	8·9150375					0·3695	4·4928
				3·332	4 12 42	0·1342401					6·0941	4·4737
6 22	7·50 In.	9·18 In.	3·865	2 42 05	0·1342238	8·305	1·4355926	61·5	230·8	6·0940	4·4738	
			4·399	1 50 04	0·1345613					6·0964	4·4721	
April.	1 01	A. 57	D. xv.	1·30	7 29 46	9·1562826	3·642	0·4639765	57·9	158·3	0·6458	4·5065
				1·50	4 52 14	9·1562015					0·6458	4·5069
				1·70	3 20 34	9·1560538					0·6457	4·5077
	2 01	C. 30	I. 18	1·85	2 37 08	9·162623	7·204	0·4838233	59·0	155·2	0·6656	4·5772
				2·05	1 55 08	9·161831					0·6650	4·5813
				2·25	1 27 08	9·162831					0·6658	4·5761
				1·00	9 28 45	8·9157074					0·3694	4·4854
	3 01	I. 1	A. 23	1·20	5 28 02	8·9154623	3·658	0·2193290	62·7	151·8	0·3693	4·4867
				1·40	3 26 29	8·9157377					0·3694	4·4853
				3·332	4 13 27	0·1356230					6·1001	4·4639
4 02	7·50 In.	9·18 In.	3·865	2 42 13	0·1346745	8·307	1·4350646	62·5	153·4	6·0935	4·4688	
			4·399	1 50 08	0·1348235					6·0945	4·4680	
May.	1 01	A. 57	D. xv.	1·30	7 29 25	9·1559931	3·644	0·4633668	54·0	157·1	0·6452	4·5049
				1·50	4 51 11	9·1546714					0·6442	4·5117
				1·70	3 20 00	9·1548278					0·6443	4·5109
	1 23	I. 1	A. 23	1·00	9 27 27	8·9146794	3·656	0·2197988	54·4	157·4	0·3692	4·4932
				1·20	5 27 24	8·9146745					0·3692	4·4932
				1·40	3 25 49	8·9143004					0·3690	4·4952
				2·25	3 06 02	9·489646					1·4094	4·5646
	4 01	C. 17	C. 30	2·35	2 43 04	9·489477	4·854	0·8084571	54·0	154·6	1·4091	4·5655
				2·45	2 24 01	9·489110					1·4085	4·5674
				3·332	4 13 23	0·1352538					6·1000	4·4676
5 02	7·50 In.	9·18 In.	3·865	2 42 05	0·1341739	8·305	1·4354119	57·8	149·4	6·0924	4·4732	
			4·399	1 49 57	0·1341007					6·0919	4·4735	
June.	2 01	A. 57	D. xv.	1·30	7 29 54	9·1563623	3·650	0·4621273	56·3	151·9	0·6445	4·4965
				1·50	4 51 52	9·1556619					0·6440	4·5002
				1·70	3 20 04	9·1549720					0·6435	4·5037
	3 04	I. 1	A. 23	1·00	9 29 30	8·9159799	3·655	0·2197676	51·8	157·3	0·3697	4·4863
				1·20	5 28 33	8·9161811					0·3698	4·4856
				1·40	3 26 31	8·9157727					0·3696	4·4874

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.						
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values of $\frac{m}{X}$	Observed Time of one Vibration.	Log. Value of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 40°.	m	X					
			r r' r'', &c.	u u' u'', &c.												
1846			Feet.	° ' "		Sec.		°	Sc. Div.							
June— <i>contd.</i>	D. H.	C. 17	C. 30	2.25	3 05 00	9.486833	4.869	52.6	155.9	1.4022	4.5706					
				2.35	2 42 02	9.486272						7.608	0.8067965	1.4022	4.5736	
				2.45	2 23 02	9.486387	8.314	1.4326984	66.1	156.5	1.4014					4.5730
				3.332	4 12 08	0.1332141						6.0667	4.4641			
5 02	7.50 In.	9.18 In.	3.865	2 41 17	0.1320368	8.314	1.4326984	66.1	156.5	6.0585	4.4702					
			4.399	1 49 24	0.1319177							6.0577	4.4708			
July.	1 00	A. 57	D. xv.	1.30	7 23 19	9.1500511	3.649	0.4602884	47.0	156.6	0.6401			4.5310		
				1.50	4 47 16	9.1488139						0.6392	4.5375			
				1.70	3 19 57	9.1547191									0.6436	4.5067
				2.25	3 03 01	9.482341										
	1 00	C. 17	C. 30	2.35	2 41 01	9.483313	4.863	0.803783	46.0	156.6	1.3917			4.5847		
				2.45	2 21 05	9.481193						1.3917	4.5959			
	4 00	I. 1	A. 23	1.00	9 27 26	8.914528	3.662	0.216527	44.8	152.2	0.3686			4.4883		
				1.20	5 27 29	8.914537						0.3687	4.4881			
				1.40	3 25 22	8.913351									0.3681	4.4944
				3.332	4 15 07	0.138064											6.1078	4.4445
	7 00	7.50 In.	9.18 In.	3.865	2 42 00	0.134005	8.317	1.431545	54.9	152.5	6.0793			4.4653		
				4.399	1 49 36	0.132712						6.0703	4.4719			
August.	2 00	A. 57	D. xv.	1.30	7 25 28	9.152088	3.657	0.458944	44.0	153.4	0.6406			4.5134		
				1.50	4 49 36	9.152292						0.6408	4.5124			
				1.70	3 20 21	9.155585									0.6432	4.4953
				1.00	9 25 12	8.913048											0.3677	4.4918
	3 00	I. 1	A. 23	1.20	5 26 17	8.913205	3.663	0.215726	44.6	154.8	0.3677			4.4910		
				1.40	3 24 57	8.912471						0.3674	4.4948			
	4 00	7.50 In.	9.18 In.	3.332	4 14 44	0.137713	8.319	1.431735	45.0	153.5	6.1067			4.4472		
				3.865	2 41 48	0.133435						6.0767	4.4692			
				4.399	1 49 16	0.131393									6.0624	4.4797
				2.25	3 02 01	9.479958											1.3820	4.5768
	6 00	C. 17	C. 30	2.35	2 39 05	9.478970	4.891	0.798929	45.6	155.6	1.3804			4.5820		
				2.45	2 20 09	9.439338						1.3810	4.5801			
September.	1 00	A. 57	D. xv.	1.30	7 24 23	9.151067	3.660	0.457547	53.6	156.9	0.6388			4.5115		
				1.50	4 48 55	9.151208						0.6389	4.5107			
				1.70	3 19 39	9.154067									0.6410	4.4959
				1.00	9 24 12	8.912139											0.3667	4.4896
	2 00	I. 1	A. 23	1.20	5 25 12	8.911727	3.670	0.214404	51.5	155.6	0.3666			4.4918		
				1.40	3 24 29	8.911481						0.3665	4.4930			
	3 00	C. 17	C. 30	2.25	3 00 01	9.475153	7.743	0.789889	48.9	156.2	1.3602			4.5546		
				2.35	2 37 00	9.472102						1.3554	4.5706			
				2.45	2 18 02	9.470934									1.3536	4.5767
				3.330	4 14 02	0.135980											6.0917	4.4541
	5 00	7.50 In.	9.18 In.	3.865	2 41 35	0.132797	8.321	1.431336	58.8	154.3	6.0694			4.4704		
				4.399	1 49 13	0.131193						6.0582	4.4787			
October.	2 00	A. 57	D. xv.	1.30	7 24 53	9.151644	3.661	0.457230	55.8	157.2	0.6390			4.5069		
				1.50	4 49 13	9.151702						0.6391	4.5065			
				1.70	3 19 49	9.154429									0.6411	4.4924
				1.00	9 23 04	8.911470											0.3657	4.4836
	3 00	I. 1	A. 23	1.20	5 24 58	8.911424	3.676	0.212575	54.9	149.8	0.3657			4.4839		
				1.40	3 24 20	8.911162						0.3656	4.4852			
	4 00	C. 17	C. 30	2.25	2 59 04	9.473457	7.796	0.788038	57.1	158.4	1.3546			4.5538		
				2.35	2 37 01	9.472378						1.3530	4.5594			
				2.45	2 18 05	9.471876									1.3522	4.5621
				3.330	4 13 51	0.134251											6.0717	4.4572
	5 00	7.50 In.	9.18 In.	3.865	2 41 32	0.132253	8.335	1.430213	59.2	152.9	6.0578			4.4674		
				4.399	1 49 19	0.131591						6.0532	4.4709			
November.	1 00	A. 57	D. xv.	1.30	7 23 38	9.1502981	3.668	0.4558402	58.2	156.8	0.6370			4.5066		
				1.50	4 48 50	9.1510919						0.6376	4.5025			
				1.70	3 18 07	9.1507229									0.6373	4.5044
				1.00	9 21 02	8.9097835											0.3649	4.4917
4 00	I. 1	A. 23	1.20	5 23 22	8.9092939	3.676	0.2124460	64.2	164.7	0.3647	4.4942					
			1.40	3 23 16	8.9088921							0.3645	4.4963			

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.				
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values $\frac{m}{X}$	Observed Time of one Vibration.	Log. Values of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 40c.	m	X			
			$r r, r_{III}, \&c.$	$u u' u'', \&c.$										
1846			Feet.	o' ' "		Sec.		o	Sc. Div.					
D. H.														
Nov.—contd.	4 00	C. 17	C. 30	2.25	2 58 02	9.470538	4.962	0.7866633	63.4	157.8	1.3479	4.5618		
				2.35	2 36 04	9.470435					1.3478	4.5624		
				2.45	2 18 02	9.470934					1.3485	4.5598		
	5 00	7.50	9.18	C. 30	3.330	4 10 27	0.1294758	8.326	1.4309962	63.8	163.0	6.0439	4.4858	
					3.865	2 40 17	0.1293005					6.0427	4.4867	
					4.399	1 48 43	0.1291991					6.0420	4.4872	
December.	1 00	A. 57	D. xv.	1.30	7 23 42	9.1506038	3.670	0.4552846	63.8	162.0	0.6368	4.5021		
				1.50	4 49 14	9.1517303					0.6377	4.4963		
				1.70	3 17 48	9.1500285					0.6364	4.5051		
	4 00	I. 1	A. 23	C. 30	1.00	9 20 37	8.9095061	3.678	0.2117933	63.8	167.9	0.3645	4.4897	
					1.20	5 22 52	8.9085675					0.3641	4.4946	
					1.40	3 22 40	8.9076096					0.3637	4.4996	
	5 00	C. 17	C. 30	C. 30	2.25	2 57 04	9.468580	4.956	0.7868876	60.6	172.3	1.3452	4.5733	
					2.35	2 35 02	9.467086					1.3429	4.5812	
					2.45	2 17 02	9.467777					1.3440	4.5776	
					3.330	4 10 13	0.1291964					6.0343	4.4816	
					3.865	2 40 13	0.1291807					6.0342	4.4817	
					4.399	1 48 43	0.1291991					6.0344	4.4816	
1847	January.	2 00	7.50	9.18	3.300	4 09 40	0.1281825	8.364	1.4270974	68.0	168.8	6.0079	4.4724	
					3.865	2 40 04	0.1287417					6.0118	4.4695	
					4.399	1 47 56	0.1260564					5.9932	4.4833	
		4 00	I. 1	A. 23	C. 30	1.00	9 16 37	8.9063909	3.685	0.2107479	68.0	166.1	0.3626	4.4982
						1.20	5 22 24	8.9080405					0.3633	4.4896
						1.40	3 22 00	8.9061815					0.3625	4.4992
	February.	2 00	I. 1	A. 23	1.00	9 15 10	8.9051881	3.695	0.2086579	63.9	166.2	0.3612	4.4936	
					1.20	5 20 16	8.9051127					0.3612	4.4940	
					1.40	3 21 21	8.9047822					0.3611	4.4957	
	4 00	7.50	9.18	C. 30	3.300	4 08 17	0.1257021	8.369	1.4282612	65.6	164.2	5.9988	4.4912	
					3.865	2 39 00	0.1258072					5.9995	4.4906	
					4.399	1 47 36	0.1247122					5.9919	4.4963	
March.	1 00	I. 1	A. 23	1.00	9 16 52	8.9065581	3.702	0.2062676	60.8	149.7	0.3608	4.4742		
				1.20	5 21 15	8.9064840					0.3608	4.4745		
				1.40	3 21 52	8.9058978					0.3605	4.4776		
	5 00	7.50	9.18	C. 30	3.300	4 08 42	0.1265510	8.369	1.4263284	65.2	160.1	5.9913	4.4768	
					3.865	2 39 14	0.1265099					5.9910	4.4770	
					4.399	1 48 02	0.1264589					5.9906	4.4773	
April.	1 00	I. 1	A. 23	1.20	5 19 58	8.9046117	3.708	0.256359	57.2	154.2	0.3597	4.4809		
				1.30	4 10 45	8.9033814					0.3592	4.4873		
				1.20	5 19 26	8.9039574					0.3597	4.4868		
	2 00	I. 1	A. 23	C. 30	1.40	3 20 40	8.9033075	3.707	0.2061252	58.0	160.7	0.3594	4.4902	
					1.20	5 19 13	8.9037428					0.3593	4.4848	
					1.40	3 20 36	8.9031633					0.3591	4.4878	
May.	1 00	I. 1	A. 23	1.20	5 18 58	8.9032776	3.707	0.2055786	54.5	158.4	0.3592	4.4875		
				1.40	3 20 50	8.9036681					0.3593	4.4855		
				1.20	5 18 31	8.9027498					0.3589	4.4896		
	2 00	I. 1	A. 23	C. 30	1.40	3 20 20	8.9025863	3.708	0.2054583	56.3	163.1	0.3588	4.4905	
					1.20	5 18 41	8.9029522					0.3589	4.4877	
					1.40	3 20 14	8.9023699					0.3587	4.4907	
June.	2 00	I. 1	A. 23	1.20	5 18 25	8.9026055	3.708	0.2056311	51.3	163.6	0.3589	4.4913		
				1.40	3 20 17	8.9024781					0.3589	4.4919		
				1.20	5 18 35	8.9028500					0.3592	4.4919		
	3 00	I. 1	A. 23	C. 30	1.40	3 20 17	8.9024781	3.706	0.2060069	48.0	161.9	0.3590	4.4939	
					1.20	5 18 37	8.9028857					0.3591	4.4902	
					1.40	3 20 22	8.9026584					0.3590	4.4914	

Mean Time at Van Diemen Island.	Magnets Employed.		Experiments of Deflection.			Experiments of Vibration.		Common to the Experiments of Deflection and Vibration.		Results.		
	Suspended.	Deflecting.	Distances.	Angles.	Log. Values $\frac{m}{X}$	Observed Time of one Vibration.	Log. Values of $m X$.	Temperature of Deflecting Magnet.	Bifilar at 40°.	m	X	
			$r r_1 r_{11}$, &c.	$u u' u''$, &c.								
1847 D. H.			Feet.	° ' "		Sec.		°	Sc. Div.			
July.	1 00	I. 18	A. 23	1.20	5 18 34	8.9029099	3.709	0.2052606	44.9	157.0	0.3589	4.4878
				1.40	3 20 28	8.9028731					0.3589	4.4880
	2 00	I. 18	A. 23	1.20	5 18 27	8.9026403	3.707	0.2056554	45.6	161.9	0.3589	4.4912
				1.40	3 20 05	8.9020451					0.3587	4.4943
	3 00	I. 18	A. 23	1.20	5 18 19	8.9025575	3.707	0.2057989	45.3	161.6	0.3590	4.4924
				1.40	3 20 09	8.9021891					0.3588	4.4943
August.	1 00	I. 18	A. 23	1.20	5 18 11	8.9023315	3.712	0.2049957	46.7	162.5	0.3585	4.4894
				1.40	3 19 57	8.9017571					0.3583	4.4924
	3 00	I. 18	A. 23	1.20	5 17 42	8.9016588	3.711	0.2050835	48.4	161.7	0.3583	4.4933
				1.40	3 20 10	8.9022251					0.3585	4.4904
	4 00	I. 18	A. 23	1.20	5 18 16	8.9023840	3.713	0.2047037	47.2	159.8	0.3584	4.4876
				1.40	3 19 52	8.9015771					0.3581	4.4918
September.	2 00	I. 18	A. 23	1.20	5 17 31	8.9014113	3.715	0.2039908	52.6	161.6	0.3577	4.4890
				1.40	3 19 38	8.9010662					0.3576	4.4907
	4 00	I. 18	A. 23	1.20	5 17 16	8.9010907	3.717	0.2035690	54.0	161.1	0.3574	4.4884
				1.40	3 19 27	8.9006680					0.3573	4.4906
	5 00	I. 18	A. 23	1.20	5 17 04	8.9007321	3.716	0.2040487	55.6	163.7	0.3575	4.4928
				1.40	3 19 20	8.9004146					0.3573	4.4944
October.	2 00	I. 18	A. 23	1.20	5 17 34	8.9014864	3.719	0.2027787	52.3	153.8	0.3573	4.4823
				1.40	3 19 47	8.9013920					0.3572	4.4828
	3 00	I. 18	A. 23	1.20	5 17 30	8.9013833	3.719	0.2027783	52.6	158.8	0.3572	4.4828
				1.40	3 19 26	8.9006318					0.3569	4.4867
	5 00	I. 18	A. 23	1.20	5 17 26	8.9012831	3.717	0.2034246	49.8	159.0	0.3574	4.4867
				1.40	3 19 28	8.9007042					0.3572	4.4897
November.	1 00	I. 18	A. 23	1.20	5 16 28	8.8999631	3.724	0.2015137	59.9	158.2	0.3561	4.4836
				1.40	3 19 06	8.8999080					0.3561	4.4839
	2 00	I. 18	A. 23	1.20	5 16 56	8.9006511	3.727	0.2010967	59.1	152.2	0.3562	4.4779
				1.40	3 19 23	8.9005241					0.3562	4.4786
December.	2 00	I. 18	A. 23	1.20	5 11 41	8.8936411	3.747	0.1953388	62.3	161.6	0.3510	4.4844
				1.40	3 15 59	8.8930639					0.3508	4.4874
	3 00	I. 18	A. 23	1.20	5 11 30	8.8930805	3.748	0.1959647	64.8	167.1	0.3511	4.4905
				1.40	3 15 46	8.8925831					0.3509	4.4931
	4 00	I. 18	A. 23	1.20	5 10 51	8.8921416	3.748	0.1962959	66.8	173.7	0.3508	4.4971
				1.40	3 15 15	8.8914366					0.3505	4.5008

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