



**MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.**

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**S T. H E L E N A.**

**VOL. I.**

*Presented by direction of the British Government,*

*to*  
*The Observatory at Greenwich.*

OBSERVATIONS

MADE AT THE



MAGNETICAL AND METEOROLOGICAL  
OBSERVATORY

AT

S T. H E L E N A.

PRINTED BY ORDER OF HER MAJESTY'S GOVERNMENT,

UNDER THE SUPERINTENDENCE OF

LIEUT.-COLONEL EDWARD SABINE,

OF THE ROYAL ARTILLERY.

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WITH ABSTRACTS OF THE OBSERVATIONS FROM 1840 TO 1845 INCLUSIVE.

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## INTRODUCTION.

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THE detachment of the Royal Artillery appointed to carry on the duties of the magnetical and meteorological Observatory at St. Helena embarked in England in September, 1839, on board the ships of the Antarctic Expedition, the Erebus and Terror, commanded by Capt. Sir James Clark Ross, R.N., and were landed at St. Helena with the instruments destined for the Observatory in February, 1840. The detachment consisted of—

Lieutenant (since Captain) John Henry Lefroy,  
Corporal (since Serjeant) Robert Fulcher,  
Acting Bombardier (since Serjeant) Thomas Jones,  
Acting Bombardier (since Bombardier) James M'Lernon.

Longwood House, built as a residence for Napoleon Bonaparte, was obtained by the Ordnance Department for the accommodation of the detachment; and the commanding officer of the Royal Engineers received instructions to construct the building required for the instruments, which was completed in August, 1840, when the instruments were removed into it. Whilst the building was in progress, two rooms in Longwood House were appropriated as a temporary Observatory, and the declination and bifilar magnetometers were mounted on casks hooped with copper and secured to the floor; they were found to be firm and but little affected by vibration: the grates and other moveable masses of iron were removed from the vicinity. The term-observations thus observed are included in the present volume, as are the two-hourly meteorological series in the months of May, June, and July, 1840, observed likewise in Longwood House.

The Observatory, occupied in August, 1840, consisted of one principal room of 45 × 16 feet, of two smaller rooms each 16 × 12 feet, and of an octagonal room of 9 feet between the sides, surmounted by a rotatory dome for the transit theodolite. The front which faced the north-east was screened by a verandah, and another verandah connected the two small rooms behind and protected the meteorological instruments. It was found impracticable to construct the building of wood, or to procure a sufficiency of any other stone than that furnished by the island, of which several varieties are used under the names of green stone trap, trachytic porphyry, and cellular lava, all of which were found to be magnetic, and some specimens, particularly of the cellular lava, to

possess polarity, deflecting the magnet of the declinometer several divisions of the scale when placed at the distance of 19 inches from the magnet. Pedestals for the instruments were obtained of Yorkshire paving-stone which had been brought from England, and was found to be entirely free from magnetism. Copper nails and fastenings, which had been provided for the purpose, were exclusively used in the building; although, with such an amount of magnetic attraction in the walls and in the rocks of which the island is composed, any constant effect which might have been produced by iron fastenings would have been of little consequence. The neighbourhood of the Observatory is free from masses of recent igneous rock; the soil around is deep, resting on decomposed rock passing into clay, and producing no sensible effect on the magnet.

The geographical position of the Observatory was derived trigonometrically from that of the late Astronomical Observatory on Ladder Hill, determined by Mr. Johnson and given in the Nautical Almanack. The two Observatories were found to be 14,140 feet distant from each other. The position of the Longwood Observatory thus determined is as follows:—

Latitude  $15^{\circ} 56' 41.2''$  South.

Longitude  $5^{\circ} 40' 31.5''$  West from Greenwich.

or  $0^{\text{h}} 22^{\text{m}} 41.9^{\text{s}}$  in time.

or  $1^{\text{h}} 02^{\text{m}} 28.4^{\text{s}}$  West of Göttingen.

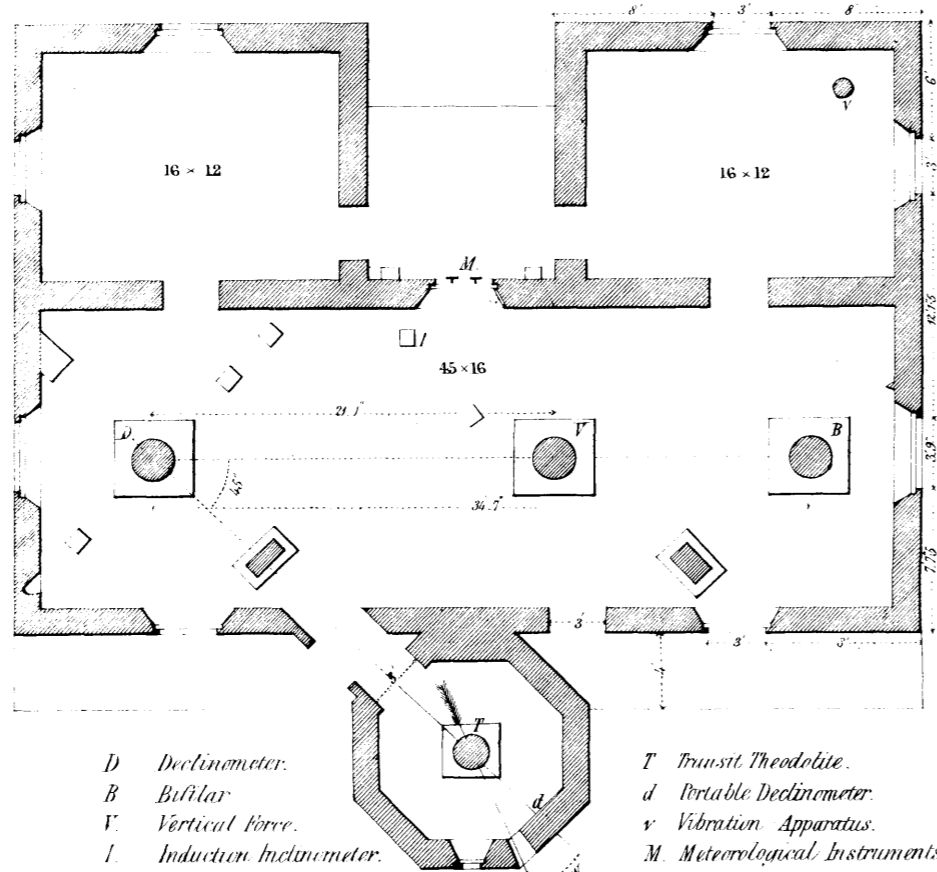
So that observations taken at the even hours of Göttingen time may be regarded as corresponding to the uneven hours of St. Helena time, Göttingen always being in advance one hour.

The elevation above high-water mark was found by levelling to be 1764 feet to the cistern of the barometer placed in the Observatory. The difference between high and low water at the new and full moon is about 3 feet. During the observations in the months of May, June, and July, 1840, made in Longwood House, the barometer was  $19\frac{1}{2}$  feet lower than in the Observatory. The difference of barometric pressure was ascertained by repeated comparisons made by means of a portable barometer to be 0.0195 in.

The arrangement of the instruments is shown in Plate I. The declinometer (D) was placed at such distance from the end wall as to allow a space of 10 feet on either side for deflection experiments, in conformity with the *original* instructions of the Royal Society, in which it was contemplated that absolute determinations of the horizontal force should be made with the same instruments by which the periodical and irregular variations of the magnetic elements were observed. This plan was superseded by *revised* instructions issued in 1842, and the employment of the Observatory magnetometers was retained for the latter purpose alone from the commencement of July, 1842. The three magnetometers were placed in a line forming an angle of  $45^{\circ}$  with the magnetic meridian; the pedestal of the bifilar (B) as first erected

### Magnetical Observatory at S.<sup>t</sup> Helena.

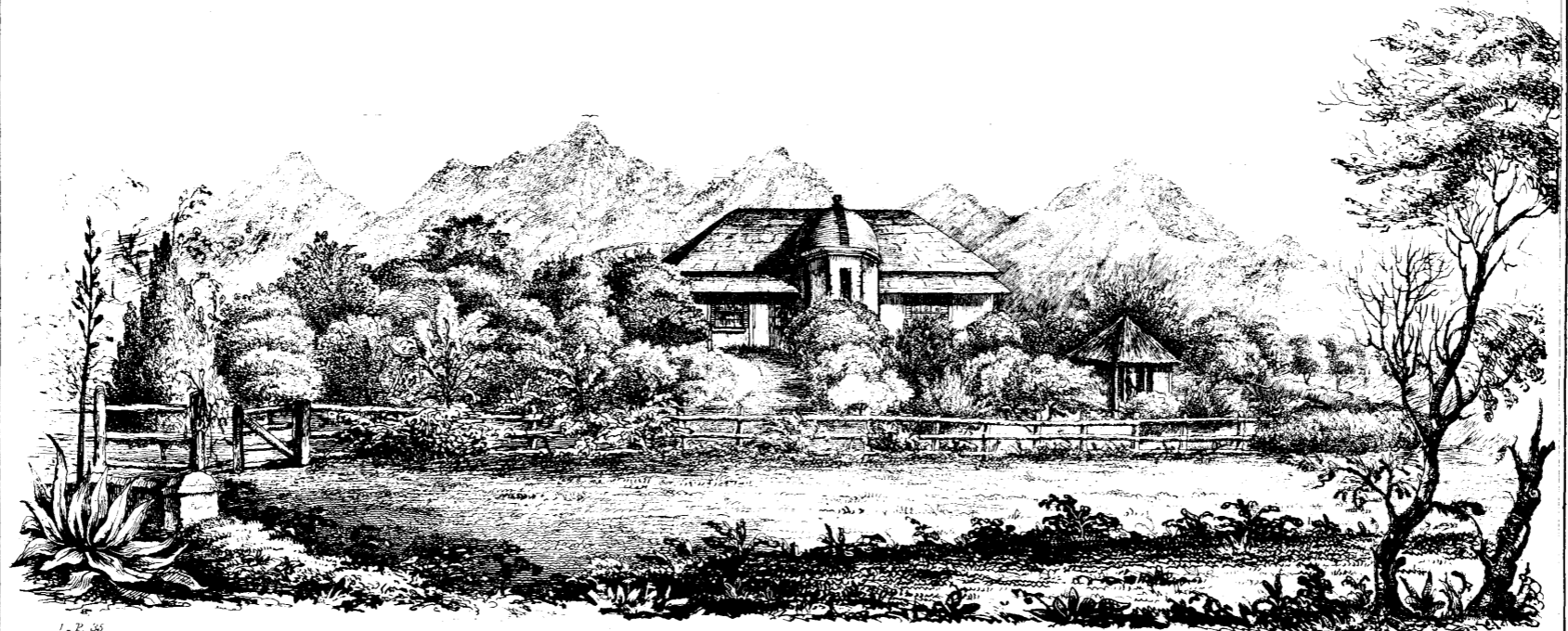
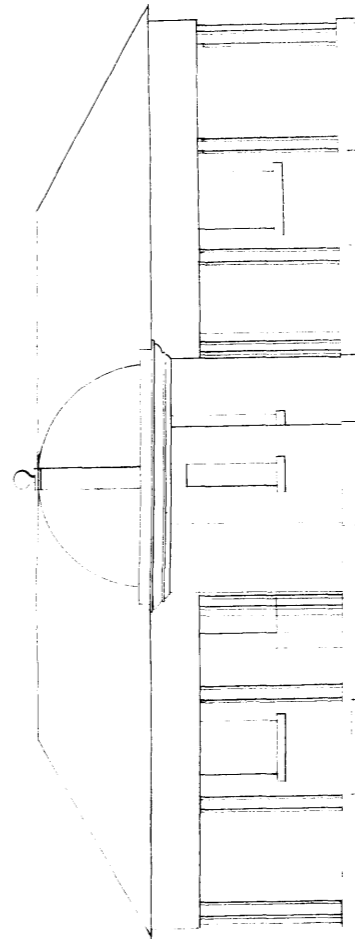
Ground Plan Showing the disposition of the Instruments.



- D Declinometer.
- B Biflar
- V Vertical force.
- I Induction Inclometer.
- T Transit Theodolite.
- d Portable Declinometer.
- v Vibration Apparatus.
- M Meteorological Instruments.

Scale 1 Inch to 10 Feet

Elevation.





was distant 35 feet 7 inches from the declinometer; it was then but 3 feet from the nearest wall; but in December, 1840, in consequence of the magnetism of the stone of which the Observatory was built, it was thought advisable to move the pedestal one foot farther from the wall, making the distance from **B** to **D** 34 feet 7 inches. The vertical force magnetometer (**V**) was placed 21 feet 1 inch from **D** and 13 feet 6 inches from **B**. The bifilar and vertical force magnets were placed with their poles in reverse directions, the north end of the one being to the west, and of the other to the east.

A fixed mark for the adjustment of the transit theodolite was erected on the crest of the ground as seen from the transit telescope, and distant from it 2986 yards. It consisted of a stone pillar about five feet in height, from the top of which rose two iron bars forming the apex of a triangle, the base of which, also of iron, was let into the top of the pillar: from its position the mark was seen in relief against the sky. By the observations of high and low stars frequently repeated, the azimuth of the fixed mark was found to be about 3 seconds of arc to the east of the true north.

A detached shed for observations of the inclination was built in June, 1841; it is seen in the sketch in Plate I., to the right of the Observatory, from which it is distant about 96 feet.

In June, 1842, the two end windows of the magnetometer room were built up, and Venetian blind shutters were placed on the outside of the front windows.

In November, 1842, the covering of the verandah under which the thermometers were placed was increased in breadth about four feet, to guard more effectually against radiation from the sunshine, which fell upon the wall beside them during the months when the sun was to the south of the zenith.

In December, 1842, a green baize door was interposed between the transit room and the Observatory, as a protection to the latter from cold air when the shutters of the dome were open.

In July, 1843, Osler's anemometer was removed from the Observatory, in which it had been placed up to that date; and the opening in the ceiling through which the copper tubes had passed was rendered air-tight by a shutter. After a thorough repair, the anemometer was established at the top of Longwood House, in December, 1843.

At the commencement of 1846 an auxiliary declinometer, having a collimator magnet of 3.85 inches in length, was established on a bracket in the octagon room, in the spot marked *d* in the plate, and has since been observed in conjunction with the large Observatory declinometer at the tenth observation in each day: the collimator scale is seen direct by the transit telescope, which is therefore employed as its reading telescope. Also at the same date a 7-inch magnet, which had been some years in the Observatory, and was believed to have attained a state of steady magnetism, was suspended by a thread composed of 11 fibres of silk, and placed on a pedestal unconnected with the

floor at the spot marked v in one of the smaller rooms of the Observatory, for the purpose of aiding in the determinations of the secular change and annual variation of the horizontal force by observations of the times of vibration of the magnet. These are made at noon, twice a-week, on the days on which the inclination is observed, and the corresponding reading of the bifilar magnetometer is noticed. The magnet is furnished with a mirror; and the vibrations are observed by means of a telescope, carrying a scale fixed at a distance of nearly 6 feet from the magnet, which is enclosed in a double mahogany casing, with glazed apertures. The magnetic moment of the magnet was carefully determined before it was suspended, and will be examined annually. Also, from an early date in 1846, two series of monthly determinations of the absolute horizontal force have been made, one series with a portable unifilar instrument having deflecting and deflected magnets of the respective lengths of 3·0 and 2·45 inches, and a second series with an apparatus having different magnets. Both these instruments are placed in a dry underground room in Longwood House. Each monthly series consists of six determinations, at three different distances of the deflecting magnet: the series with both instruments are made on the same day, simultaneous observations being taken with the Observatory bifilar.

The following changes have taken place in the personal establishment of the Observatory since its commencement:—Lieut. Lefroy was removed in 1842 to Canada, having been appointed director of the Observatory at Toronto; and was replaced in February of that year by Lieut. (since Captain) William James Smythe, R.A.; who remained in charge of the Observatory until January, 1847, when he was relieved at his own request, in consequence of urgent private affairs, by Lieut. Henry Francis Strange, R.A. In 1841, the strength of the Ordnance magnetic observatories generally was increased by a fourth non-commissioned officer, for the purpose of enabling the observations to be made hourly instead of two-hourly, when Acting Bombardier Richard Wearn was selected at Woolwich, and sent to St. Helena. In 1843, Acting Bombardier Wearn purchased his discharge from the army, and has since been replaced by Acting Bombardier William Oldham, sent from Woolwich for that purpose.

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Before I proceed to the abstracts and other discussions connected with the St. Helena observations, it may be proper to give a brief statement of the general progress which has been made in the reduction and publication of the observations of the colonial magnetical and meteorological Observatories and of magnetical surveys.

The importance of hastening the publication of these observations was strongly urged by many of the eminent British and Foreign magneticians and meteorologists, who attended the conference for the advancement of those sciences at the meeting of the British Association at Cambridge in 1845. In consequence of their representations the

General Committee of the British Association, in resolutions passed at that meeting and addressed to Her Majesty's Government, embodied a recommendation, that the establishment formed at Woolwich for the purpose of reducing and publishing the observations should be augmented; and about the same time a similar application was also made to Government by the President and Council of the Royal Society.

From circumstances which it is not now necessary to dwell upon, these recommendations were for a considerable time inoperative. So far from the establishment being increased, it was on the contrary diminished by the retirement (at his own request) of Capt. Riddell, R.A., in December, 1845, for the purpose of resuming his military duties. No successor was appointed until shortly after the accession to office of the present Master-General of the Ordnance, the Marquis of Anglesey, when Capt. Younghusband, R.A., who had been previously employed at the magnetic observatory at Toronto, was removed to Woolwich, and joined at the end of 1846. Of the four non-commissioned officers who originally formed the establishment and had become trained to its duties, three have been removed; Bombardier O'Sullivan, by illness, and consequent discharge from the regiment; Bombardier Charles Organ, by joining his company, at his own desire, on its embarkation for foreign service; and Corporal Hendley, by death. Where duties are peculiar, the loss of men trained to them, and who have shown themselves trustworthy, necessarily retards progress; and in Corporal Hendley particularly, the establishment has been deprived of the services of a non-commissioned officer of unusual intelligence, who liked the employment, had become conversant with all its details, and whose accuracy could be thoroughly confided in. These men have been replaced by Serjeant George Copeland, Serjeant James Weir (late senior non-commissioned officer of the Observatory at the Cape of Good Hope), and Acting Bombardier William Organ; and since the commencement of the present year a fifth assistant has been added, viz., Gunner Henry Organ. The establishment now consists therefore (in addition to myself) of—

Captain Charles Younghusband, R.A.  
 Serjeant John M'Grath.  
 Serjeant James Weir.  
 Serjeant George Copeland.  
 Acting Bombardier William Organ.  
 Gunner Henry Organ.

In the introduction to the volume of Observations at the Toronto Observatory, 1840–1842, published in 1845, the titles are given of five publications which had been prepared in this office: I have now to add to that list the following publications:—

6th. Observations made at the Magnetical and Meteorological Observatory at Toronto, vol. i., 1840–1842 (this is the volume referred to in the preceding paragraph).

7th. A series of magnetical determinations, chiefly on the west coast of America,



the islands of the Pacific Ocean, and in the China Seas, by Captain Sir Edward Belcher, R.N., C.B., in H.M.S. Sulphur; published in the Philosophical Transactions.

8th. A magnetic survey of a large portion of the North American Continent, chiefly drawn from observations by Capt. J. H. Lefroy, R.A., director of the Magnetic Observatory at Toronto; published in the Philosophical Transactions for 1846.

9th. A magnetic survey of the remaining portion of the accessible high latitudes of the southern hemisphere, not comprehended in Sir James Clark Ross's Survey; by Lieut. Moore, R.N., and Lieut. Clerk, R.A., in H.M. hired barque Pagoda; published in the Philosophical Transactions for 1847.

10th. Meteorological Observations made on board H.M. hired barque Pagoda, by Lieut. Henry Clerk, R.A.; published in the Philosophical Transactions for 1846.

11th. On the Lunar Atmospheric Tide at St. Helena; published in the Philosophical Transactions for 1847.

12th. On the diurnal variation of the magnetic declination at St. Helena; published in the Philosophical Transactions for 1847.

13th. Observations made at the Magnetical and Meteorological Observatory at St. Helena, vol. i., 1840–1843 (the present volume).

The printing of the first volume of the Observations at the Magnetical and Meteorological Observatory at Hobart Town, in Van Diemen Island, is nearly finished; and the first volume of the Observations at the Magnetical and Meteorological Observatory at the Cape of Good Hope will be ready to succeed them. In respect to the remaining volumes, it may be stated generally, that the reductions are so far advanced that the times of their publication will depend solely on the progress made by the printer.

By a recent arrangement, which is retrospective as well as prospective, the expense of printing the magnetical surveys, executed by British officers under the direction of Government, and published in the Philosophical Transactions, is to be borne jointly by Her Majesty's Government and by the Royal Society. The observations at the Colonial Observatories, under the departments of the Ordnance and the Admiralty, will continue to be printed, as hitherto, wholly at the public expense.

EDWARD SABINE.

*Woolwich, June, 1847.*

**ADJUSTMENTS, ABSTRACTS, AND COMMENTS.**

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**MAGNETICAL INSTRUMENTS.**



## ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

### MAGNETIC DECLINATION.

*Declinometer.*—The declination magnetometer employed in the Observatory at St. Helena is of the construction described in pp. 13 and 14 of the Royal Society's Report. Whilst the Observatory was building, the instrument was temporarily mounted on a cask hooped with copper, and secured to the floor in one of the rooms in Longwood House, for term observations; and on the completion of the permanent Observatory in August, 1840, it was placed on a pedestal of Yorkshire paving-stone, in the position represented in Plate I., and in which it has since remained. As only the term observations of the year 1840 are published in this volume, it will not be necessary to notice the detail of adjustments earlier than the 31st December, 1840, on which day a new suspension thread formed of 16 fibres was applied, and the line of detorsion made to coincide as nearly as possible with the magnetic meridian by means of the brass bar. The ratio of the torsion force to the magnetic directive force was found equal to  $\cdot 00156$ , and the angular value of one division of the scale equal to  $0\cdot 7108 \times 1\cdot 00156 = 0\cdot 711$ . Observations made on the 6th of January, 1841, to determine the division of the collimator scale corresponding to the magnetic axis of the bar, gave 70·3 as the zero point; and being repeated on the 30th January, gave 69·5: whence 70·0 has been taken as the zero point for the month of January, 1841. On the 1st of February a different magnet, marked No. 2, was substituted for the one previously employed, and a new thread of 18 fibres formed. The ratio of the torsion and the magnetic forces was now found equal to  $\cdot 00065$ ; the zero point of the scale was found by observation on the 26th of February 47·3, on the 27th March 49·7, and on the 10th of April 47·8; whence the value adopted from the beginning of February to the 10th April has been 48·0. The lens and scale were removed from the bar for experimental purposes on the 29th March and on the 1st of April, but the zero point does not appear to have been changed thereby.

On the 11th of April the magnetometer was readjusted, and the line of detorsion brought to coincide with the magnetic meridian by means of the brass bar. The position of the line of detorsion was examined repeatedly from this time to the month of November of the same year, by suspending the brass bar without the small magnet after the last observation on Saturday night, and noting the position in which it came to rest on the following day. The positions differed more or less in almost every case; but the torsion circle was not moved, except on June 12th, 15th, and 27th, and July 17th. The bar was repeatedly removed for observations of absolute horizontal force, and replaced; the lens and scale were also removed on May 21st, but apparently without

deranging the zero point, which was observed as follows :—April 16th, 42·3 ; May 1st, 43·6 ; May 15th, 43·0 ; June 5th, 42·6 ; June 15th, 42·2 ; July 3rd, 43·5 ; July 8th, 43·0 ; July 27th, 42·9 ; August 14th, 42·6 ; September 1st, 43·9 ; and October 1st, 43·9 ; whence 43·0 has been taken as the zero point from April 11th to December 2nd, when the lens was changed and the zero point observed 40·3. Two fibres of the suspension thread giving way on the 6th December, the instrument was readjusted on the 8th with a new thread of 18 fibres, and  $\frac{H}{F}$  found equal to ·00061. This thread gave way on February 2nd, 1842, as did also another thread on the 7th of February : but one formed on the following day, of 18 fibres, proved more durable, having continued in use through the years 1842 and 1843.

The removal of the magnet, for the purpose of suspending the deflecting bar employed in experiments on the absolute horizontal force, which took place once a month to May, 1841, and once a week or oftener from June, 1841, to June, 1842, was discontinued at the commencement of July, 1842 ; from which period the adjustments remained undisturbed until January, 1844. The cylindrical wooden box in which the bar was suspended was exchanged on July 24th, 1843, for a double rectangular casing, as a more effectual provision against currents of air ; but, in making this change, the magnet was not disturbed, nor was any other part of the apparatus interfered with. The zero point of the scale was observed on February 11th, 1842, 51·4, and in January, 1844, 52·0 ; hence 52·0 has been taken as the zero point during the whole interval. Although the brass bar was employed on the 8th of February, 1842, to adjust the line of detorsion to the magnetic meridian, there is reason to believe that in subsequently suspending the magnet on the same day a half turn was accidentally made in the thread, which continued until June 4th, 1842, when, the brass bar being again suspended, the thread rectified itself.\* A half turn in the thread was equivalent to 7·17 sc. divisions, or to 5'·1 in arc ; and a correction to this amount has been made from the 8th of February to the 4th of June, 1842, in computing the declination corresponding to the mean scale division.

The particulars of a readjustment of the declinometer, which took place in March, 1844, in consequence of the breaking of the suspension thread which had been in use since February, 1842, have not yet been received at Woolwich. It has been stated, however, in the reports from the Observatory, that the new thread was formed of 22 fibres, and that the division of the scale corresponding to the magnetic axis of the bar was 153·0.

\* Extracts from the Remarks accompanying the Monthly Return of the Observations in June, 1842 :—

“ On Saturday night, June 4th, at the close of the regular observations, the magnet was removed, and the brass bar suspended in its place : on the following morning the brass bar was at rest very nearly in the magnetic meridian, and the magnet was replaced : the mean reading for the following day was 22·6, while on the 4th it had been 16·8. Experiments were now made to ascertain the effect of 180° of torsion—

“ Line of detorsion in the magnetic meridian	<small>Sc. Div.</small>	25·650	“ Torsion circle turned 180° to East	<small>Sc. Div.</small>	32·732
“ Torsion circle turned 180° to West.		18·396	“ Line of detorsion in the magnetic meridian		25·607
<small>Sc. Div.</small>					
“ Whence { 180° to the East = 7·104 } 7·168, or 5'·1 of Arc.”					
{ 180° to the West = 7·232 }					

An inspection of the mean declinations derived from the fortnightly observations of the declinometer from 1841 to 1845 inclusive (Table I.), has led me to the belief that, on this occasion also, a half turn was accidentally made in the suspension thread when replacing the magnet after the adjustment of the line of detorsion to the magnetic meridian. The sudden increase of about 6' in the declination at the commencement of 1844 (the period of the substitution of the new thread), scarcely admits of any other explanation. It has not been considered advisable to interrupt the series to examine this point, as the suspension thread appears likely to last until the close of the period for which the Observatory is to be continued, when the examination can be made without inconvenience in other respects, and the exact value of the incorrect adjustment of the line of detorsion, supposing a half turn to exist, determined; until this is done, however, the declinations derived from the declinometer observations cannot be used as an unbroken series, and accordingly in the Abstract which follows (page 20), and which contains the mean declination in each fortnight in the years 1841 to 1845 inclusive, the determinations must be viewed as divided into two series, one including 1841, 1842, 1843, and the other 1844 and 1845, the west declinations during the last two years being, moreover, probably all in excess by a constant quantity amounting to about 6'0.

The double rectangular casing which was substituted in July, 1843, for the original cylindrical box, was composed of two cases made of mahogany, both of the same shape, but the outer one being about one inch larger in all its dimensions than the inner one, so as to leave a stratum of air between them. The cases were divided in the middle, the divisions fitting close when pressed against each other by being half sunk or fitted into each other at the junction. The interior of the inner case and the exterior of the outer were covered with gilt paper; the cases were kept firm in their places by screws passing through the cross piece which connects the copper pillars, and rests upon the top of the outer box.

The azimuth of the line of collimation, determined by means of the theodolite telescope, directed alternately upon a meridian mark and upon the vertical wire of the reading telescope, was found by Captain Smythe to be  $22^{\circ} 46'6$  west of north.

By repeated experiments on the action of the magnetometers on each other, and of the copper damper employed to check the vibrations of the magnet of the declinometer, the disturbance occasioned in the direction of the north end of the declinometer magnet was found to be as follows:—

By the bifilar and vertical force magnets	Sc. Div.	0·03 to the west.
By the copper damper . . . . .	1·03	„

Sc. Div.

The sum of the disturbances 1·06, or 0'75, must therefore be deducted from  $22^{\circ} 46'6$  to give the westerly declination corresponding to the zero point of the collimator scale attached to the magnet of the declinometer. Omitting the decimals of a minute, the zero point has been taken as corresponding to  $22^{\circ} 46'$  west declination.

*Absolute Declination corresponding to the Fortnightly Mean Positions of the Declinometer.*—The following Table contains the Mean Declination computed from the Observations with Magnet No. 2 in the Years 1841, 1842, 1843, 1844, and 1845.

TABLE I.—*The Angular Value of one Scale Division of the Declinometer = 0'·711. The Declination corresponding to the Zero point of the Scale is 22° 46' W.; a Decrease in the Divisions of the Scale denotes an Increase of West Declination.*

DATES.	1841		1842		1843 †		1844		1845		WEST DECLINATION.				
	Mean Sc. Div.	Zero Sc. Div.	Mean Sc. Div.	Zero Sc. Div.	Mean Sc. Div.	Zero Sc. Div.	Mean Sc. Div.	Zero Sc. Div.	Mean Sc. Div.	Zero Sc. Div.	1841 22°+	1842 23°+	1843 23°+	1844 23°+	1845 23°+
Jan. 1 to 14	—	—	18·78	40	16·46	52	9·57	52	93·19	153	—	01·1	11·3	16·2	28·5
,, 15,, 28	—	—	19·81	40	17·76	52	—	—	92·07	153	—	00·3	10·4	—	29·3
,, 29,, Feb. 11	40·67	48	—	—	16·60	52	—	—	90·23	153	51·2	—	11·2	—	30·6
Feb. 12,, 25	39·80	48	23·15*	52	16·16	52	—	—	89·96	153	51·8	01·4	11·5	—	30·8
,, 26,, Mar. 11	38·72	48	20·19*	52	16·23	52	—	—	90·19	153	52·6	03·5	11·5	—	30·7
Mar. 12,, 25	37·46	48	19·52*	52	15·92	52	100·1	153	90·24	153	53·5	04·0	11·7	23·6 ‡	30·6
,, 26,, April 9	34·19	48	21·86*	52	15·76	52	99·29	153	90·02	153	55·8	02·3	11·8	24·2	30·8
April 10,, 22	39·15	43	20·34*	52	15·53	52	99·59	153	89·14	153	55·8	03·4	11·8	24·0	31·4
,, 23,, May 6	31·12	43	19·14*	52	14·87	52	99·02	153	88·23	153	54·4	04·3	12·4	24·4	32·1
May 7,, 20	29·36	43	19·23*	52	13·88	52	99·10	153	87·96	153	55·7	04·2	13·1	24·3	32·2
,, 21,, June 3	25·85	43	17·72*	52	15·21	52	98·52	153	88·04	153	58·2	05·3	12·2	24·7	32·2
June 4,, 17	27·67	43	24·42	52	13·93	52	98·12	153	88·50	153	56·9	05·6	13·1	25·0	31·9
,, 18,, July 1	26·95	43	24·56	52	13·71	52	98·24	153	88·54	153	57·4	05·4	13·3	24·9	31·8
July 2,, 15	24·99	43	21·75	52	13·31	52	97·53	153	87·73	153	58·8	07·5	13·5	25·4	32·4
,, 16,, 29	26·37	43	22·51	52	10·52	52	96·79	153	87·09	153	57·8	07·0	15·5	26·0	32·9
,, 30,, Aug. 12	26·69	43	21·99	52	10·56	52	95·70	153	87·04	153	57·6	07·4	15·5	26·7	32·9
Aug. 13,, 26	26·25	43	22·17	52	10·82	52	96·35	153	87·29	153	57·9	07·2	15·3	26·3	32·7
,, 27,, Sept. 9	23·09	43	21·96	52	10·45	52	96·70	153	86·33	153	60·1	07·4	15·6	26·0	33·4
Sept. 10,, 23	25·62	43	21·60	52	10·59	52	97·98	153	86·45	153	58·3	07·6	15·5	25·1	33·3
,, 24,, Oct. 7	22·86	43	21·45	52	10·27	52	96·60	153	85·65	153	60·3	07·7	15·7	26·1	33·9
Oct. 8,, 21	22·63	43	20·99	52	10·61	52	96·60	153	84·87	153	60·4	08·1	15·5	26·1	34·4
,, 22,, Nov. 4	19·35	43	20·13	52	10·06	52	95·73	153	83·88	153	62·8	08·7	15·9	26·7	35·1
Nov. 5,, 18	22·40	43	19·65	52	9·80	52	95·24	153	83·74	153	60·6	09·0	16·0	27·1	35·2
,, 19,, Dec. 2	20·91	43	19·06	52	10·28	52	94·56	153	83·00	153	61·7	09·4	15·7	27·5	35·8
Dec. 3,, 16	18·83	40	18·77	52	10·58	52	94·02	153	81·17	153	61·0	09·6	15·5	27·9	37·1
,, 17,, 31	18·18	40	17·68	52	10·52	52	92·98	153	81·81	153	61·5	10·4	15·5	28·7	36·6

\* 7,17 Scale Divisions require to be added to each of these numbers to compensate for a half-turn or 180° of torsion, supposed to have existed in the suspension thread.

† The fortnightly periods in 1843 are counted from January 1 to January 13, January 14 to January 27, 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 of January, 11th of February, &c., in that year.

‡ From this period the Declinations have probably a constant error in excess amounting to about 6', caused by a half-turn in the suspension thread.

*Secular Change of the Declination.*—The following Table exhibits the annual increase of west declination obtained by comparing the fortnightly means in each year with those of the corresponding periods in the following year.

TABLE II.

FORTNIGHTLY PERIODS.	Annual increase of West Declination.		
	1841 to 1842	1842 to 1843	1844 to 1845
Jan. 1 to 14	—	9·1	—
,, 15 ,, 28	—	10·3	—
,, 29 ,, Feb. 11	—	—	—
Feb. 12 ,, 25	9·6	10·1	—
,, 26 ,, Mar. 11	10·9	8·0	—
Mar. 12 ,, 25	10·5	7·7	7·0
,, 26 ,, April 9	6·5	9·5	6·6
April 10 ,, 22	7·6	8·4	7·4
,, 23 ,, May 6	9·9	8·1	7·7
May 7 ,, 20	8·5	8·9	7·9
,, 21 ,, June 3	7·1	6·9	7·5
June 4 ,, 17	8·7	7·5	6·8
,, 18 ,, July 1	8·0	7·9	6·9
July 2 ,, 15	8·7	6·0	7·0
,, 16 ,, 29	9·2	8·5	6·9
,, 30 ,, Aug. 12	9·8	8·1	6·2
Aug. 13 ,, 26	9·3	8·1	6·4
,, 27 ,, Sept. 9	7·3	8·2	7·4
Sept. 10 ,, 23	9·3	7·9	8·2
,, 24 ,, Oct. 7	7·4	8·0	7·8
Oct. 8 ,, 21	7·7	7·4	8·3
,, 22 ,, Nov. 4	5·9	7·2	8·4
Nov. 5 ,, 18	8·4	7·0	8·2
,, 19 ,, Dec. 2	7·7	6·3	8·2
Dec. 3 ,, 16	8·6	5·8	9·1
,, 17 ,, 31	8·9	5·1	7·9
Mean Annual Increase of West Declination }	7·99		

We may hence conclude that the west declination at St. Helena was increasing, at the period to which the table refers, at an average rate of about 8' in the year.

*Annual Variation of the Declination.*—If the amount of the secular change be the same, or very nearly so, in successive years, as, from the values in Table II., appears to have been the case at St. Helena in the years under consideration,—and if the secular change be distributed uniformly in the several months, taking place in an equal proportion in



each month of the year,—and if there be no annual periodical variation of the declination from any cause whatsoever, the west declination should be found to increase in each fortnight a twenty-sixth part of 8', or 0'·31; and the differences obtained by taking the mean observed declination in one fortnight from that of the next fortnight, should all be alike and equal to +0'·31; or should differ from that amount only by such small and apparently unsystematic variations as might reasonably be ascribed to observation or instrumental error, or to irregularities occasioned by the known occurrence of magnetic disturbances. Table III. exhibits the differences thus obtained between each two successive fortnights in the years 1841 to 1845 inclusive.

TABLE III.

DATES.	Increase or Decrease of West Declination in each Fortnight.					Mean of the Years 1842 1843 1844 and 1845	Proportion of secular Change in each Fortnight.	Differences (a-b).
	1841	1842	1843	1844	1845			
Jan. 1 to 14	—	-0'·8	-0'·9	—	+0'·8	-0'·30	+0'·31	-0'·61
„ 15 „ 28	—	+0'·5	+0'·8	—	+1'·3	+0'·87		+0'·56
„ 29 „ Feb. 11	+0'·6	+0'·5	+0'·3	—	+0'·2	+0'·35		+0'·04
Feb. 12 „ 25	+0'·8	+2'·1	0'·0	—	-0'·1	+0'·67		+0'·36
„ 26 „ Mar. 11	+0'·9	+0'·5	+0'·2	—	-0'·1	+0'·20		-0'·11
Mar. 12 „ 25	+2'·3	-1'·7	+0'·1	+0'·6	+0'·2	-0'·20		-0'·51
„ 26 „ April 9	0'·0	+1'·1	0'·0	-0'·2	+0'·6	+0'·37		+0'·06
April 10 „ 22	-1'·4	+0'·9	+0'·6	+0'·4	+0'·7	+0'·65		+0'·34
„ 23 „ May 6	+1'·3	-0'·1	+0'·7	-0'·1	+0'·1	+0'·15		-0'·16
May 7 „ 20	+2'·5	+1'·1	-0'·9	+0'·4	0'·0	+0'·15		-0'·16
„ 21 „ June 3	-1'·3	+0'·3	+0'·9	+0'·3	-0'·3	+0'·30		-0'·01
June 4 „ 17	+0'·5	-0'·2	+0'·2	0'·0	-0'·1	-0'·05		-0'·36
„ 18 „ July 1	+1'·4	+2'·1	+0'·2	+0'·5	+0'·6	+0'·85		+0'·34
July 2 „ 15	-1'·0	-0'·5	+2'·0	+0'·6	+0'·5	+0'·65		+0'·34
„ 16 „ 29	-0'·2	+0'·4	0'·0	+0'·7	0'·0	+0'·28		-0'·03
„ 30 „ Aug. 12	+0'·3	-0'·2	-0'·2	-0'·4	-0'·2	-0'·25		-0'·06
Aug. 13 „ 26	+2'·1	+0'·2	+0'·3	-0'·3	+0'·7	+0'·22		-0'·09
„ 27 „ Sept. 9	-1'·8	+0'·2	-0'·1	-0'·9	-0'·1	-0'·22		-0'·09
Sept. 10 „ 23	+2'·0	+0'·1	+0'·2	+1'·0	+0'·6	+0'·47		+0'·16
„ 24 „ Oct. 7	+0'·1	+0'·4	-0'·2	0'·0	+0'·5	-0'·17		-0'·48
Oct. 8 „ 21	+2'·4	+0'·6	+0'·4	+0'·6	+0'·7	+0'·57		+0'·26
„ 22 „ Nov. 4	-2'·2	-0'·3	+0'·1	+0'·4	+0'·1	+0'·22		-0'·09
Nov. 5 „ 18	+1'·1	+0'·4	-0'·3	+0'·4	+0'·6	+0'·27		-0'·04
„ 19 „ Dec. 2	-0'·7	+0'·2	-0'·2	+0'·4	+1'·3	+0'·42		+0'·09
Dec. 3 „ 16	+0'·5	+0'·8	0'·0	+0'·8	-0'·5	+0'·28		-0'·03
„ 17 „ 31	-0'·4	+0'·9	+0'·7	-0'·2	—	+0'·25		-0'·06

In examining this Table it will be remembered that in the year 1841 the magnet of the declinometer was frequently removed and replaced; but that in the four succeeding years the instrument remained undisturbed, except on the occasion of a necessary readjustment at the commencement of 1844: the greater irregularities of the fortnightly differences in 1841 bear testimony to the inconvenience of frequent removals of the magnet, and in taking the mean of the values in the corresponding fortnights of the different years, those of 1841 have been omitted. The final column of the table shows the amounts by which the observed increase of west declination in each fortnight differs from a uniform progressive increase of  $0'31$ : it gives a very strong support to the conclusions—1st. That the secular change does take place uniformly in respect to the several months of the year. 2ndly. That there is little if any sensible annual variation of the declination at St. Helena from any cause whatsoever.

For the purpose of illustrating the character and amount of the deviations of the fortnightly means from a uniform progression, in which the secular change is taken at  $8'$  in the year, or  $0'31$  in each fortnight, the projections in Pl. II., Fig. 1, have been drawn, in which the broken line A A represents an uniform progression corresponding to an annual increase of  $8'$  of west declination, whilst the fainter unbroken lines severally represent the actual march of the declination in the years from 1842 to 1845 inclusive, derived from the fortnightly means in Table I.; and the darker unbroken line B B shows the mean march derived from the four years of observation.

*Diurnal Variation of the Declination.*—Table IV. exhibits the diurnal variation derived from the monthly means in every month of the years 1841 to 1845 inclusive. From the commencement of the observations until August, 1842, the regular observations were made at two hourly intervals, viz., at every even hour of mean Göttingen time, which, as the Observatory is  $1^h 2^m 28^s$  west of Göttingen, corresponds very nearly with the uneven hours of mean St. Helena time. In addition to the two hourly series, observations were made at  $0^h$ ,  $2^h$ ,  $4^h$ ,  $10^h$ ,  $12^h$ ,  $14^h$ ,  $18^h$ ,  $18^h 30^m$ ,  $19^h 30^m$ ,  $20^h$ , and  $22^h$ , in 1841, and at the same hours omitting  $12^h$  in 1842. In September, 1842, the system of hourly observations was commenced and has been subsequently continued.

TABLE IV.—*Diurnal Variation of the Declination in the  
The lowest Monthly Mean occurring at any Observation Hour is taken as the Zero for the*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
JANUARY.	1841	3·82	3·11	2·32	1·83	2·10	2·05	—	2·69	—	3·14	3·23
	1842	4·52	3·80	2·53	2·37	2·45	2·39	—	2·90	—	3·39	3·22
	1843	2·91	1·85	0·85	0·08	0·00	0·57	1·21	1·77	2·20	2·34	2·34
	1844	3·74	3·41	2·93	2·81	3·38	2·06	1·81	2·28	2·72	2·89	2·85
	1845	4·48	4·62	4·28	3·89	3·38	2·96	2·80	3·27	3·57	3·57	3·52
	Mean . . .	3·72	3·19	2·41	2·03	2·09	1·84	1·92	2·41	2·80	2·90	2·86
FEBRUARY.	1841	4·60	3·53	2·40	1·56	1·37	1·57	—	2·13	—	2·84	3·11
	1842	4·63	4·67	4·87	3·80	3·07	2·99	—	3·32	—	3·34	3·41
	1843	4·97	5·12	4·62	4·12	3·41	3·05	3·19	3·62	3·76	3·83	4·01
	1844*	—	—	—	—	—	—	—	—	—	—	—
	1845	4·16	4·95	4·78	4·34	3·58	2·85	2·83	3·25	3·44	3·62	3·62
	Mean . . .	4·53	4·51	4·11	3·39	2·80	2·55	2·61	3·02	3·20	3·35	3·48
MARCH.	1841	3·17	3·44	2·44	1·49	0·92	1·23	—	2·29	—	2·32	2·55
	1842	3·39	3·58	2·72	1·65	1·29	1·38	—	2·23	—	2·12	2·20
	1843	4·55	5·05	4·41	3·19	2·63	2·70	2·91	2·98	3·12	3·12	3·27
	1844	4·13	4·71	4·29	3·42	3·00	2·88	2·95	3·05	3·24	3·22	3·44
	1845	3·65	3·87	3·64	3·22	3·01	2·90	2·80	2·73	2·73	2·70	2·90
	Mean . . .	3·76	4·11	3·48	2·57	2·15	2·20	2·48	2·64	2·69	2·68	2·85
APRIL.	1841	2·69	1·75	1·09	0·97	0·91	0·88	—	1·36	—	1·58	1·65
	1842	3·00	2·26	1·48	0·88	0·46	0·40	—	1·07	—	1·10	1·18
	1843	3·62	2·91	2·06	1·63	1·35	1·14	1·56	1·77	1·77	1·77	1·92
	1844	3·44	2·58	1·77	1·59	1·33	1·23	1·17	1·34	1·52	1·49	1·69
	1845	3·67	2·88	1·87	1·29	1·17	1·32	1·60	1·95	1·92	2·07	2·13
	Mean . . .	3·28	2·48	1·65	1·27	1·03	1·01	1·23	1·50	1·56	1·60	1·71
MAY.	1841	0·74	0·40	0·43	0·60	0·41	0·16	—	0·47	—	0·76	0·75
	1842	0·68	0·37	0·49	0·64	0·36	0·10	—	0·37	—	0·66	0·80
	1843	0·78	0·64	0·78	0·71	0·64	0·07	0·07	0·21	0·28	0·43	0·43
	1844	1·17	0·63	0·49	0·50	0·32	0·00	0·02	0·27	0·42	0·55	0·66
	1845	0·57	0·57	1·06	1·49	1·41	1·11	1·21	1·50	1·48	1·60	1·66
	Mean . . .	0·71	0·44	0·57	0·71	0·55	0·21	0·25	0·48	0·56	0·72	0·78
JUNE.	1841	0·77	0·75	0·84	0·98	0·46	0·00	—	0·64	—	0·95	1·15
	1842	0·65	0·61	0·64	0·80	0·40	0·00	—	0·13	—	0·65	0·84
	1843	1·14	1·28	1·35	1·14	0·43	0·00	0·14	0·43	0·57	0·78	0·92
	1844	0·53	0·45	0·85	0·95	0·42	0·00	0·11	0·38	0·50	0·60	0·85
	1845	0·47	0·57	0·74	0·82	0·47	0·00	0·05	0·38	0·54	0·65	0·73
	Mean . . .	0·71	0·73	0·88	0·94	0·44	0·00	0·10	0·39	0·56	0·73	0·90

\* The observations were

MAGNETIC DECLINATION.

several Months from 1841 to 1845 inclusive.

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

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
3.14	2.85	2.62	2.50	2.17	—	1.62	1.11	0.26	0.00	0.87	2.04	3.38
3.15	—	2.97	2.76	2.58	—	2.33	2.27	0.91	0.00	0.61	1.96	3.68
2.41	2.20	1.92	1.63	1.35	1.06	0.92	0.57	0.14	0.71	1.70	2.56	2.98
2.88	2.75	2.56	2.36	2.18	1.89	1.83	1.62	0.86	0.00	0.50	1.99	3.39
3.30	3.14	2.92	2.74	2.60	2.45	2.53	2.77	1.62	0.13	0.00	1.06	3.17
2.81	2.63	2.43	2.23	2.01	1.73	1.68	1.50	0.59	0.00	0.57	1.75	3.15
3.07	2.95	2.86	2.73	2.50	—	2.13	1.84	0.06	0.00	1.42	2.38	3.95
3.67	—	3.48	3.46	3.39	—	3.25	3.15	1.55	0.00	0.04	1.56	3.70
3.98	3.98	3.62	3.48	3.34	3.12	2.98	2.84	1.35	0.07	0.00	1.21	3.19
—	—	—	—	—	—	—	—	—	—	—	—	—
3.62	3.42	3.17	3.07	2.95	2.88	2.88	2.99	1.86	0.17	0.00	1.19	2.78
3.52	3.42	3.22	3.12	2.98	2.83	2.75	2.64	1.14	0.00	0.31	1.52	3.34
2.58	2.51	2.41	2.35	2.34	—	2.52	2.95	1.96	0.42	0.00	0.85	2.29
2.16	—	2.22	2.24	2.23	—	2.18	2.29	1.20	0.00	0.11	1.19	2.42
3.27	3.19	3.12	2.98	2.98	2.91	2.91	3.19	2.41	0.70	0.00	1.14	3.05
3.40	3.44	3.37	3.18	3.21	3.20	3.32	3.50	2.19	0.28	0.00	1.40	3.22
2.91	2.86	2.82	2.76	2.86	2.78	2.69	2.98	1.85	0.02	0.00	1.17	2.74
2.84	2.80	2.77	2.68	2.70	2.69	2.70	2.96	1.90	0.26	0.00	1.13	2.72
1.69	1.87	1.78	1.90	2.08	—	2.30	2.42	2.22	0.60	0.00	0.91	2.13
1.37	—	1.59	1.55	1.57	—	2.08	2.34	2.06	0.48	0.00	0.75	2.62
2.20	2.27	2.27	2.27	2.41	2.41	2.48	2.70	2.34	0.99	0.00	0.64	2.56
1.74	2.01	1.97	2.01	2.09	2.12	2.18	2.40	1.91	0.45	0.00	0.96	2.78
2.05	2.06	1.99	1.86	1.86	2.10	2.07	2.49	2.24	0.56	0.00	0.83	2.77
1.81	1.96	1.92	1.92	2.00	2.16	2.22	2.47	2.15	0.62	0.00	0.82	2.57
1.01	1.16	1.50	1.37	1.48	—	1.97	2.41	2.86	1.67	0.38	0.00	0.26
0.94	—	0.95	1.04	1.07	—	1.47	1.88	2.51	1.43	0.29	0.00	0.68
0.50	0.85	0.85	0.92	0.99	1.06	1.28	1.77	2.34	1.42	0.35	0.00	0.35
0.79	0.93	0.98	1.07	1.13	1.30	1.47	1.82	2.40	1.47	0.53	0.38	1.09
1.68	1.63	1.58	1.56	1.62	1.77	2.08	2.72	3.18	1.93	0.46	0.00	0.48
0.90	1.02	1.09	1.11	1.18	1.32	1.57	2.04	2.58	1.50	0.32	0.00	0.49
1.36	1.52	1.53	1.60	1.75	—	2.29	2.80	4.17	3.56	2.16	1.38	1.09
1.10	—	1.29	1.17	1.21	—	1.49	1.99	3.14	2.50	1.34	0.74	0.79
1.06	1.14	1.28	1.35	1.35	1.42	1.63	2.00	2.91	2.20	0.71	0.21	0.57
0.89	0.97	1.04	1.12	1.14	1.24	1.52	1.96	2.96	2.21	0.95	0.37	0.39
0.87	0.97	0.96	0.99	1.00	1.13	1.36	2.05	3.39	2.96	1.77	1.04	0.60
1.06	1.17	1.22	1.25	1.29	1.40	1.66	2.16	3.31	2.69	1.39	0.75	0.69

suspended in February, 1844.

D

TABLE IV.—*Diurnal Variation of the Declination in the*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
JULY.	1841	1·02	0·83	1·03	0·94	0·48	0·00	—	0·31	—	0·73	0·98
	1842	1·31	0·86	0·50	0·40	0·21	0·00	—	0·26	—	0·73	1·00
	1843	1·06	0·92	0·92	0·99	0·64	0·00	0·14	0·35	0·50	0·71	0·92
	1844	0·36	0·50	0·80	0·96	0·68	0·25	0·00	0·16	0·40	0·58	0·70
	1845	0·55	0·64	0·83	1·11	0·58	0·03	0·00	0·22	0·52	0·66	0·81
Mean . . .	0·82	0·71	0·78	0·84	0·48	0·02	0·00	0·22	0·46	0·64	0·84	
AUGUST.	1841	0·14	0·23	0·58	1·03	0·90	0·68	—	0·83	—	1·11	1·04
	1842	0·31	0·34	0·76	1·20	1·07	0·65	—	0·80	—	1·04	1·18
	1843	0·57	0·21	0·21	0·28	0·35	0·08	0·00	0·28	0·50	0·71	0·78
	1844	0·06	0·00	0·94	1·57	1·42	0·97	0·87	1·00	1·10	1·16	1·36
	1845	0·28	0·00	0·33	1·03	1·15	0·53	0·23	0·49	0·65	0·70	0·84
Mean . . .	0·11	0·00	0·40	0·86	0·82	0·42	0·25	0·52	0·68	0·78	0·88	
SEPTEMBER.	1841	0·64	0·68	0·43	0·20	0·10	0·25	—	0·80	—	0·78	0·98
	1842	1·11	1·30	1·57	1·76	1·56	1·16	1·05	1·16	1·34	1·33	1·41
	1843	2·13	1·63	0·92	0·28	0·00	0·14	0·28	0·57	0·78	0·85	0·99
	1844	0·98	1·11	1·15	0·90	1·05	0·98	0·90	1·00	1·03	1·14	1·23
	1845	0·96	0·90	0·55	0·41	0·37	0·20	0·21	0·47	0·53	0·62	0·70
Mean . . .	0·89	0·85	0·65	0·44	0·35	0·28	0·28	0·53	0·62	0·67	0·79	
OCTOBER.	1841	3·22	3·36	2·68	1·50	0·85	0·95	—	1·78	—	2·30	2·37
	1842	4·66	4·25	3·09	1·68	0·82	0·97	1·61	1·84	1·96	2·19	2·39
	1843	4·62	4·41	3·41	1·92	1·28	1·42	1·70	1·85	2·06	2·13	2·27
	1844	4·21	4·29	3·45	2·11	1·20	1·32	1·81	2·06	2·24	2·29	2·38
	1845	5·36	5·45	4·52	3·07	2·02	1·92	2·35	2·66	2·71	2·79	2·83
Mean . . .	4·41	4·35	3·43	2·06	1·23	1·32	1·80	2·04	2·21	2·34	2·45	
NOVEMBER.	1841	4·01	4·16	3·88	2·91	2·20	2·14	—	2·98	—	3·34	3·46
	1842	3·81	3·62	3·28	2·73	1·98	1·84	2·38	2·89	3·15	3·29	3·36
	1843	3·44	3·14	2·66	1·93	1·55	1·65	1·89	2·34	2·55	2·64	2·73
	1844	4·54	4·41	3·77	2·88	2·02	1·98	2·37	2·73	2·94	3·04	3·14
	1845	4·07	3·77	2·95	2·13	1·48	1·65	2·28	2·90	3·12	3·32	3·34
Mean . . .	3·97	3·82	3·31	2·52	1·85	1·85	2·29	2·77	2·99	3·13	3·21	
DECEMBER.	1841	2·90	2·81	2·40	1·77	1·50	1·84	—	2·71	—	3·32	3·28
	1842	2·82	2·68	1·88	1·28	1·40	1·73	1·91	2·22	2·48	2·70	2·84
	1843	3·52	3·31	2·67	2·06	1·75	1·74	1·86	2·09	2·48	2·61	2·73
	1844	4·65	4·16	3·06	2·03	1·69	1·78	2·16	2·74	3·17	3·41	3·50
	1845	4·46	4·55	3·59	2·66	2·05	2·25	2·75	3·24	3·54	3·64	3·76
Mean . . .	3·65	3·48	2·70	1·94	1·66	1·85	2·15	2·58	2·93	3·12	3·20	

MAGNETIC DECLINATION.

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several Months from 1841 to 1845, inclusive—continued.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
1.02	1.09	1.26	1.23	1.44	—	1.66	2.26	3.58	2.80	1.19	0.40	0.53
1.15	—	1.38	1.39	1.48	—	1.52	2.05	3.23	2.85	1.83	1.35	1.28
1.14	1.28	1.28	1.35	1.49	1.63	1.77	2.20	3.19	2.41	0.99	0.50	0.92
0.85	0.90	0.95	0.96	1.03	1.07	1.34	1.87	2.83	2.23	1.11	0.16	0.13
0.94	1.04	1.02	0.99	0.96	1.07	1.23	1.90	2.91	2.82	1.64	0.92	0.68
0.98	1.08	1.14	1.14	1.24	1.31	1.46	2.02	3.11	2.58	1.31	0.63	0.67
1.35	1.28	1.21	1.17	1.45	—	1.96	2.90	4.12	2.91	1.27	0.49	0.00
1.38	—	1.47	1.47	1.48	—	1.92	2.53	3.52	2.68	1.28	0.20	0.00
0.78	0.85	0.78	0.85	1.06	1.14	1.49	2.13	3.05	2.13	0.85	0.14	0.21
1.48	1.44	1.50	1.52	1.66	1.73	1.99	2.80	3.85	2.87	1.62	0.70	0.18
0.90	0.93	0.92	0.99	1.04	1.16	1.47	2.29	3.42	2.82	1.75	1.07	0.67
1.02	1.02	1.02	1.04	1.18	1.27	1.61	2.37	3.43	2.52	1.19	0.36	0.05
1.03	0.92	0.78	0.77	0.87	—	1.15	2.16	1.77	0.65	0.15	0.00	0.02
1.45	1.56	1.45	1.41	1.44	1.44	1.79	3.21	2.72	1.31	0.42	0.00	0.50
0.99	0.92	0.85	0.78	0.71	0.78	0.85	1.85	1.85	1.28	0.99	1.35	1.92
1.17	1.12	1.05	1.01	1.01	1.12	1.43	2.65	2.51	1.40	0.48	0.00	0.38
0.63	0.57	0.44	0.45	0.58	0.59	0.87	2.08	1.93	0.96	0.18	0.00	0.69
0.78	0.75	0.64	0.61	0.65	0.70	0.95	2.12	1.89	0.85	0.17	0.00	0.43
2.42	2.14	1.76	1.80	1.78	—	1.73	2.02	0.64	0.00	0.39	1.60	2.22
2.33	2.11	1.92	1.71	1.54	1.33	1.47	1.74	0.25	0.00	0.91	2.32	4.09
2.20	2.06	1.92	1.85	1.63	1.56	1.49	1.70	0.35	0.00	0.85	2.20	3.76
2.41	2.23	2.05	1.96	1.80	1.70	1.69	2.20	0.60	0.00	0.77	1.86	3.52
2.78	2.61	2.36	2.30	2.29	2.31	2.34	2.31	0.62	0.00	0.70	2.44	4.44
2.43	2.23	2.00	1.92	1.81	1.72	1.74	1.99	0.49	0.00	0.72	2.08	3.61
3.37	3.38	3.14	2.92	2.72	—	2.24	1.84	0.47	0.00	0.86	1.77	3.37
3.26	3.00	2.76	2.53	2.24	1.88	1.74	1.43	0.16	0.00	0.80	1.91	3.14
2.63	2.42	2.18	1.95	1.75	1.65	1.52	1.42	0.17	0.00	1.02	2.22	3.07
3.11	2.93	2.66	2.48	2.33	2.02	1.76	1.64	0.19	0.00	1.26	2.61	3.75
3.29	3.05	2.67	2.42	2.06	1.88	1.74	1.30	0.04	0.00	1.19	2.58	3.71
3.13	2.96	2.68	2.46	2.22	1.97	1.80	1.53	0.21	0.00	1.03	2.22	3.41
3.31	2.89	2.66	2.59	2.35	—	2.16	1.95	0.81	0.00	0.33	1.56	2.77
2.78	2.55	2.13	1.78	1.60	1.34	1.13	0.80	0.00	0.11	0.91	1.70	2.68
2.53	2.33	2.11	1.88	1.70	1.47	1.33	1.00	0.14	0.00	1.00	2.15	3.18
3.33	3.24	3.10	2.75	2.42	2.11	1.76	1.27	0.23	0.00	1.15	2.73	4.36
3.80	3.56	3.29	3.12	2.90	2.61	2.37	1.96	0.51	0.00	1.00	2.43	3.73
3.13	2.89	2.64	2.40	2.17	1.93	1.73	1.38	0.32	0.00	0.86	2.09	3.32

Table V. exhibits in one view the mean diurnal variation in each month of the year, derived from the results in Table IV.

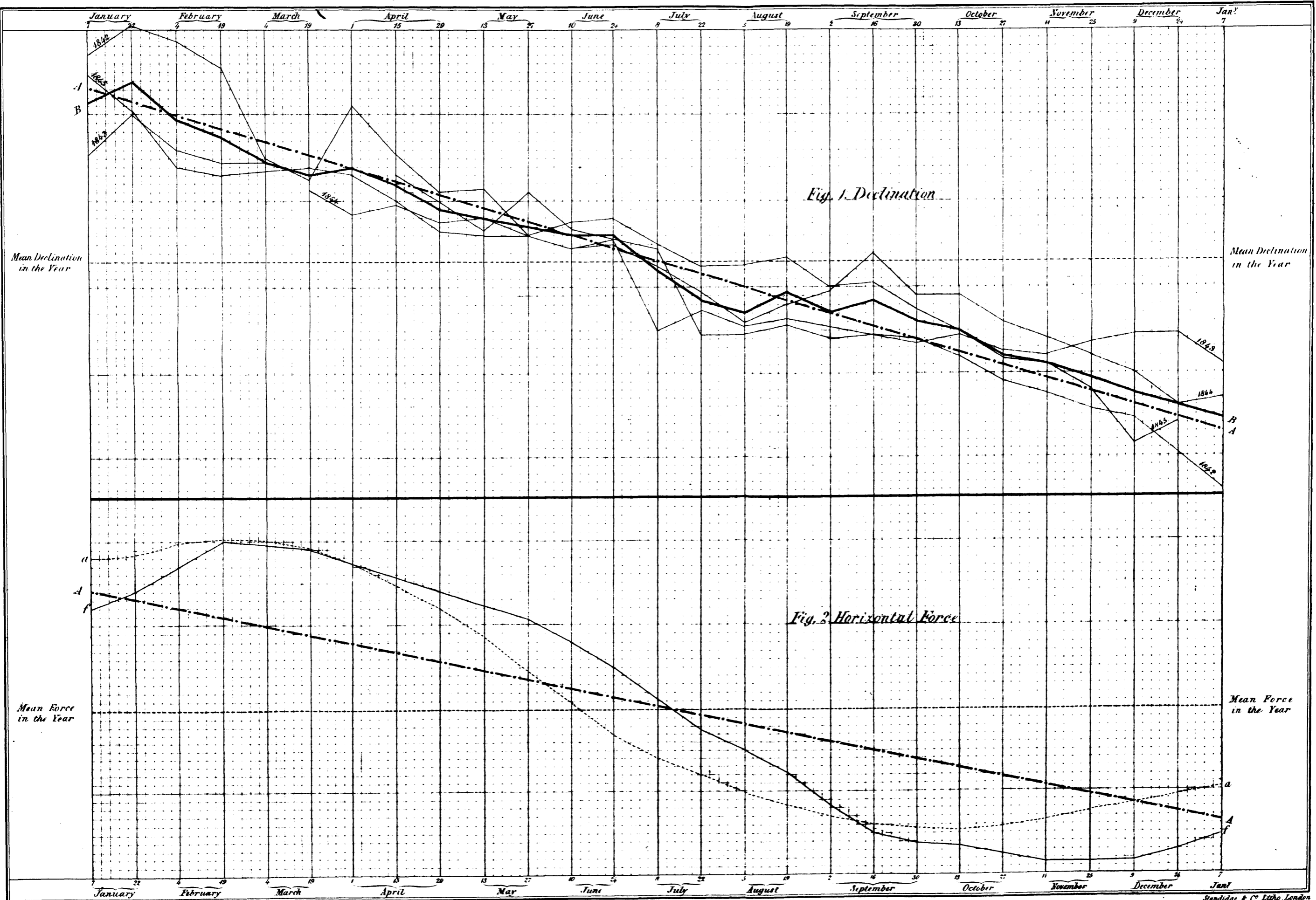
TABLE V.

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	Astronomical Reckoning.
January . .	3·72	3·19	2·41	2·03	2·09	1·84	1·92	2·41	2·80	2·90	2·86	2·81	January.
February . .	4·53	4·51	4·11	3·39	2·80	2·55	2·61	3·02	3·21	3·35	3·48	3·52	February.
March . . .	3·76	4·11	3·48	2·57	2·15	2·20	2·48	2·64	2·69	2·68	2·85	2·84	March.
April . . .	3·28	2·48	1·65	1·27	1·03	1·01	1·23	1·50	1·56	1·60	1·71	1·81	April.
May . . . .	0	0·44	0·57	0·71	0·55	0·21	0·25	0·48	0·56	0·72	0·78	0·90	May.
June . . . .	0·71	0·73	0·88	0·94	0·44	0·00	0·10	0·39	0·56	0·73	0·90	1·06	June.
July . . . .	0·82	0·71	0·78	0·84	0·48	0·02	0·00	0·22	0·46	0·64	0·84	0·98	July.
August . . .	0·11	0·00	0·40	0·86	0·82	0·42	0·25	0·52	0·68	0·78	0·88	1·02	August.
September .	0·89	0·85	0·65	0·44	0·35	0·28	0·28	0·53	0·62	0·67	0·79	0·78	September.
October . .	4·41	4·35	3·43	2·06	1·23	1·32	1·80	2·04	2·21	2·34	2·45	2·43	October.
November . .	3·97	3·82	3·31	2·52	1·85	1·85	2·29	2·77	2·99	3·13	3·21	3·13	November.
December . .	3·65	3·48	2·70	1·94	1·66	1·85	2·15	2·58	2·93	3·12	3·20	3·13	December.
	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	
January . .	2·63	2·43	2·23	2·01	1·73	1·68	1·50	0·59	0·00	0·57	1·75	3·15	January.
February . .	3·42	3·22	3·12	2·98	2·83	2·75	2·64	1·14	0·00	0·31	1·52	3·34	February.
March . . .	2·80	2·77	2·68	2·70	2·69	2·70	2·96	1·90	0·26	0·00	1·13	2·72	March.
April . . . .	1·96	1·92	1·92	2·00	2·16	2·22	2·47	2·15	0·62	0·00	0·82	2·57	April.
May . . . .	1·02	1·09	1·11	1·18	1·32	1·57	2·04	2·58	1·50	0·32	0·00	0·49	May.
June . . . .	1·17	1·22	1·25	1·29	1·40	1·66	2·16	3·31	2·69	1·39	0·75	0·69	June.
July . . . .	1·08	1·14	1·14	1·24	1·31	1·46	2·02	3·11	2·58	1·31	0·63	0·67	July.
August . . .	1·02	1·02	1·04	1·18	1·27	1·61	2·37	3·43	2·52	1·19	0·36	0·05	August.
September .	0·75	0·64	0·61	0·65	0·70	0·95	2·12	1·89	0·85	0·17	0·00	0·43	September.
October . .	2·23	2·00	1·92	1·81	1·72	1·74	1·99	0·49	0·00	0·72	2·08	3·61	October.
November . .	2·96	2·68	2·46	2·22	1·97	1·80	1·53	0·21	0·00	1·03	2·22	3·41	November.
December . .	2·89	2·64	2·40	2·17	1·93	1·73	1·38	0·32	0·00	0·86	2·09	3·32	December.





Annual Progression of the Magnetic Declination and Horizontal Force. Scale 0.5 to 1' of Declination, and to one scale division of the Bifilar Magnetometer or to 00019 parts of the Horizontal Force. implies that the North end of the magnet is moving towards the East in Fig. 1, and that the force is increasing in Fig. 2, and the converse. AA in figures 1 & 2 represent the annual secular change, the amount of which is given by the Observations, and the distribution in the different months is assumed to be uniform.



f.f. Is the Annual Variation of the Horizontal Force on the average of the Years 1842 to 1845 inclusive, or the difference between the Mean Force in the Year and the fortnightly observations of the Bifilar corrected for the Temperature of the Magnet.  
 a.a. Shews the Annual Variation of the Temperature of the Air, on a Scale of 0.2 in. to 1° of Fahr, and laid off on A.A. as its line of Mean Temperature.





Diurnal Variation of the Magnetic Declination in the several Months of the Year, derived from the Declinometer Observations from 1841 to 1845 inclusive. Scale  $\frac{1}{2}$  an inch to 1' of Declination. North end of the magnet moving towards the East  $\frac{1}{2}$ , towards the West  $\frac{1}{2}$ .

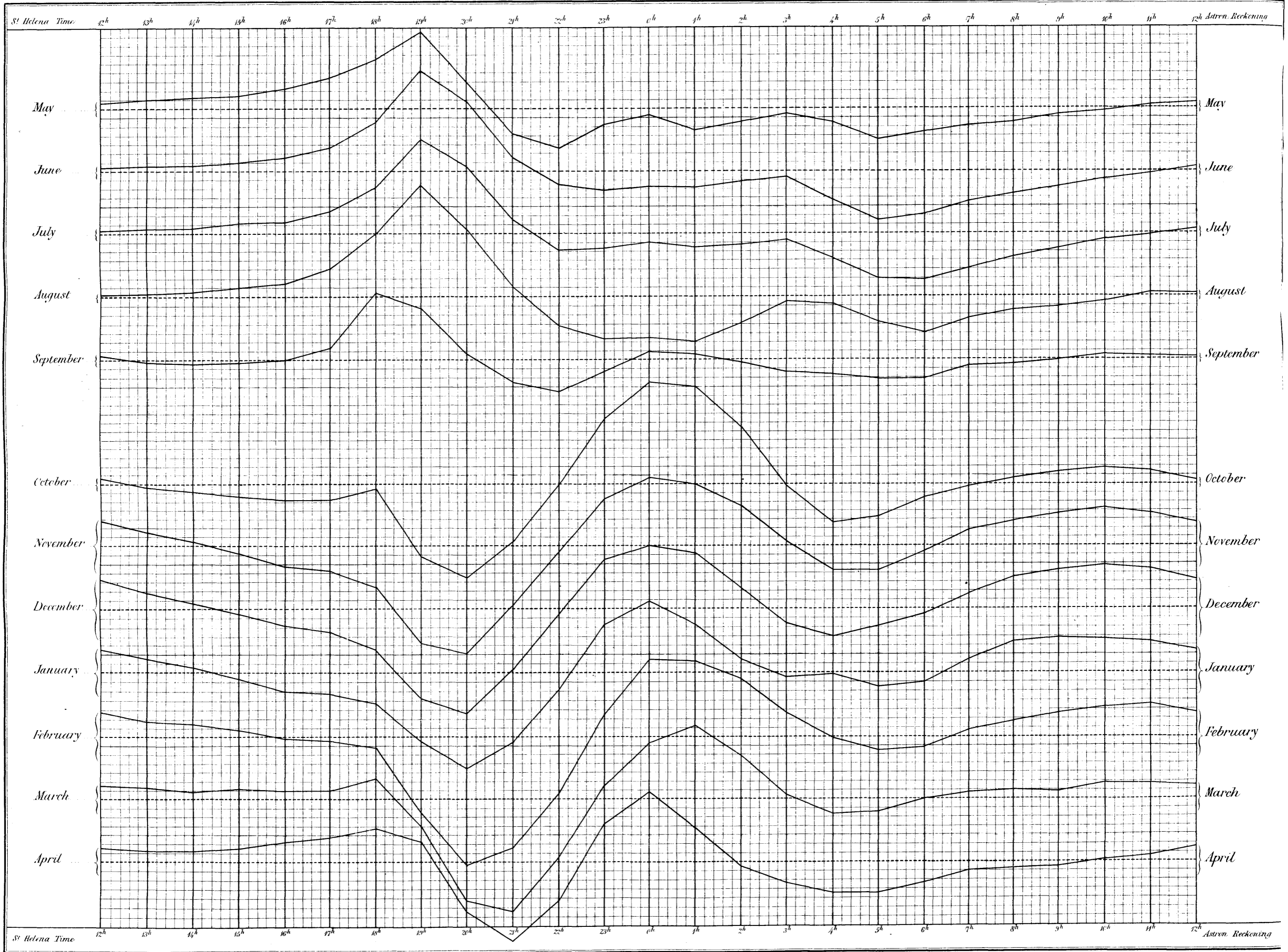




Table VI. exhibits the mean hourly position of the magnet in each month of the year, relatively to its general mean position in the month: the sign + implies that the north end of the magnet is to the East, and - to the West, of the mean position in the month.

TABLE VI.

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	Astronomical Reckoning.
January . . .	+1.59	+1.06	+0.28	-0.10	-0.04	-0.29	-0.21	+0.28	+0.67	+0.77	+0.73	+0.67	January.
February . . .	+1.68	+1.66	+1.26	+0.54	-0.05	-0.30	-0.24	+0.17	+0.35	+0.50	+0.63	+0.68	February.
March . . .	+1.27	+1.62	+0.99	+0.08	-0.34	-0.29	-0.01	+0.15	+0.20	+0.19	+0.36	+0.35	March.
April . . .	+1.58	+0.78	-0.05	-0.43	-0.67	-0.69	-0.47	-0.20	-0.14	-0.10	+0.01	+0.11	April.
May . . .	-0.17	-0.44	-0.31	-0.17	-0.33	-0.67	-0.53	-0.40	-0.32	-0.16	-0.10	+0.02	May.
June . . .	-0.39	-0.36	-0.22	-0.16	-0.66	-1.10	-1.00	-0.71	-0.54	-0.37	-0.20	-0.04	June.
July . . .	-0.20	-0.31	-0.24	-0.18	-0.54	-1.00	-1.02	-0.80	-0.56	-0.38	-0.18	-0.04	July.
August . . .	-0.88	-0.99	-0.59	-0.13	-0.17	-0.57	-0.74	-0.47	-0.31	-0.21	-0.11	+0.03	August.
September . . .	+0.19	+0.15	-0.05	-0.26	-0.35	-0.42	-0.42	-0.17	-0.09	-0.03	+0.09	+0.08	September.
October . . .	+2.31	+2.21	+1.33	-0.04	-0.87	-0.78	-0.30	-0.06	+0.11	+0.24	+0.35	+0.33	October.
November . . .	+1.58	+1.43	+0.92	+0.13	-0.54	-0.54	-0.10	+0.38	+0.60	+0.74	+0.82	+0.74	November.
December . . .	+1.40	+1.23	+0.45	-0.31	-0.59	-0.40	-0.11	+0.33	+0.65	+0.87	+0.95	+0.88	December.
	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	
January . . .	+0.50	+0.30	+0.10	-0.12	-0.40	-0.45	-0.63	-1.54	-2.13	-1.56	-0.38	+1.02	January.
February . . .	+0.57	+0.37	+0.27	+0.13	-0.02	-0.10	-0.21	-1.71	-2.85	-2.54	-1.33	+0.49	February.
March . . .	+0.31	+0.28	+0.19	+0.21	+0.20	+0.21	+0.47	-0.59	-2.23	-2.49	-1.36	+0.23	March.
April . . .	+0.26	+0.22	+0.22	+0.30	+0.46	+0.52	+0.77	+0.45	-1.08	-1.70	-0.88	+0.87	April.
May . . .	+0.14	+0.21	+0.23	+0.30	+0.44	+0.69	+1.16	+1.70	+0.62	-0.56	-0.88	-0.39	May.
June . . .	+0.07	+0.12	+0.15	+0.19	+0.30	+0.56	+1.06	+2.21	+1.59	+0.29	-0.35	-0.41	June.
July . . .	+0.07	+0.12	+0.12	+0.22	+0.29	+0.44	+1.00	+2.09	+1.56	+0.29	-0.39	-0.35	July.
August . . .	+0.03	+0.03	+0.05	+0.19	+0.28	+0.62	+1.38	+2.44	+1.53	+0.20	-0.63	-0.94	August.
September . . .	+0.05	-0.06	-0.09	-0.05	0.00	+0.25	+1.43	+1.19	+0.15	-0.53	-0.70	-0.27	September.
October . . .	+0.13	-0.10	-0.18	-0.29	-0.38	-0.36	-0.11	-1.61	-2.10	-1.38	-0.02	+1.51	October.
November . . .	+0.57	+0.29	+0.07	-0.19	-0.42	-0.59	-0.86	-2.18	-2.39	-1.36	-0.17	+1.02	November.
December . . .	+0.64	+0.39	+0.15	-0.05	-0.32	-0.52	-0.87	-1.93	-2.25	-1.39	-0.16	+0.07	December.

From the numbers contained in this table, the march of the diurnal variation in each month of the year has been projected in Plate III., as affording the readiest means of examining in detail the influence of season on the direction of the magnet at the different hours of the day; and with the same view projections corresponding

to the months of May, June, July, and August, united in one (B B),—and to November, December, January, and February, also united in one (A A),—are given in Plate IV. Figs. 1 and 2, showing more distinctly the remarkable contrast which the opposite seasons present: the projections for the months of March and April, September and October, are represented separately in this plate, for the purpose of permitting their intermediate character to be examined in detail.

In reviewing the general character of the diurnal variation at St. Helena, and its peculiarities in different months of the year, it may be convenient to divide the 24 hours into three periods, viz., from 14<sup>h</sup> to 22<sup>h</sup>, 22<sup>h</sup> to 4<sup>h</sup>, and from 4<sup>h</sup> to 14<sup>h</sup>, and to consider each portion separately.

The first period, or that from 14<sup>h</sup> to 22<sup>h</sup>, is characterised by the remarkable feature of an opposite movement of the magnet at the different seasons of the year, according as the sun is north or south of the terrestrial equator. The types of these movements are best seen in Plate IV. Figs. 1 and 2, where the mean diurnal variation of the months of May, June, July, and August is exhibited in one projection (B B), and that of the months of November, December, January, and February in another (A A). The motion of the north end of the magnet is from west to east from 14<sup>h</sup> to 19<sup>h</sup>, and from east to west from 19<sup>h</sup> to 22<sup>h</sup>, in the season when the sun is in the northern signs,—and from east to west from 14<sup>h</sup> to 20<sup>h</sup>, and from west to east from 20<sup>h</sup> to 22<sup>h</sup>, when the sun is in the southern signs. March and April, September and October, as may be seen in Plate IV., have an intermediate character, each month being influenced more or less by the characteristic phenomena of the two seasons which these months separate from each other. In April and September the eastern movement, continuous from 14<sup>h</sup>, reaches its limit at 18<sup>h</sup> instead of 19<sup>h</sup>, but the return to the west takes place very slowly until after 19<sup>h</sup>, which is the turning hour in May, June, July, and August. In October and March there is also a partial easterly movement which terminates at 18<sup>h</sup>, but is considerably less marked than in April and September. In March, April, and September the westerly movement continues to 21<sup>h</sup>, being an hour later than in November, December, January, and February, and conforming so far to the direction of the movement in May, June, July, and August.

The second period, or that from 22<sup>h</sup> to 4<sup>h</sup>, is also characterised by a marked difference of feature in the different months, according to season. In May, June, July, and August, the movements of the magnet from 22<sup>h</sup> to 4<sup>h</sup> are inconsiderable in amount and variable in direction; whilst from November to February the north end of the magnet progresses rapidly to the east from 22<sup>h</sup> to between 0<sup>h</sup> and 1<sup>h</sup>, and returns with nearly the same rapidity at 4<sup>h</sup> to about the same position that it occupied at 22<sup>h</sup>. October partakes fully in this movement: it is also visible in the projections for March and April, but in a less degree; and it is still seen, though very slightly, in September. In consequence of this easterly excursion the range of the diurnal variation is considerably greater in the months from October to April than it is in May, June, July, August, and September.





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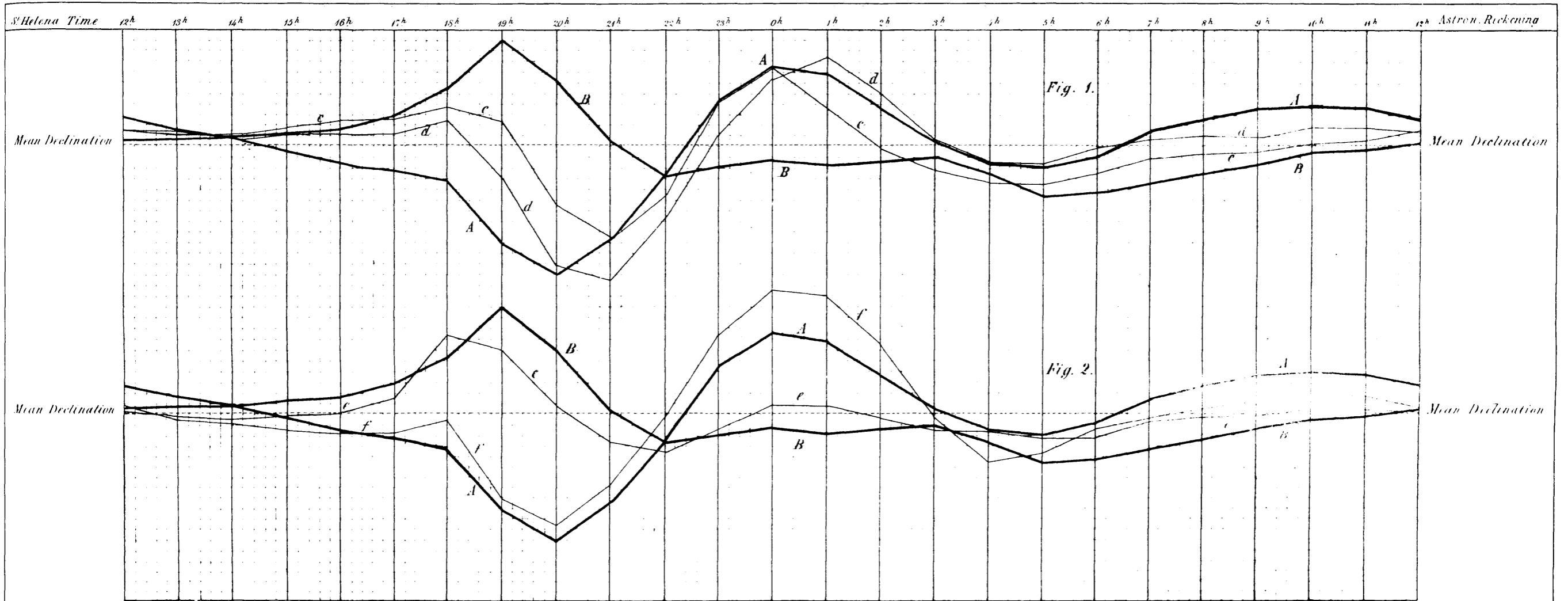
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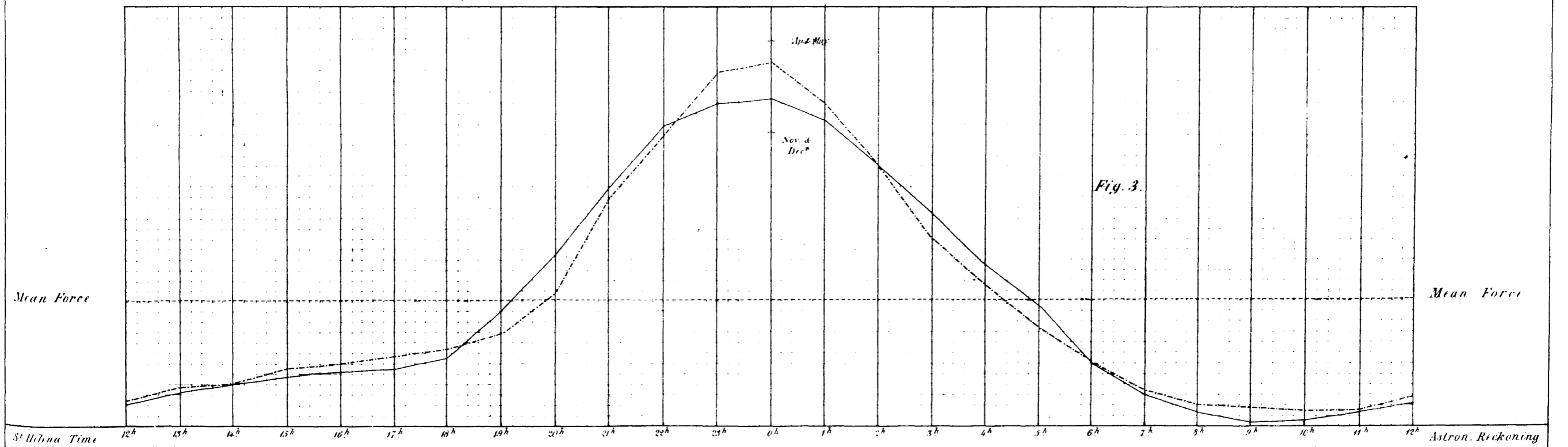
Diurnal Variation of the Magnetic Declination derived from the Declinometer Observations from 1841 to 1845 inclusive.

Scale 0<sup>m</sup>. 25 to 1 of Arc. | North end of the Magnet moving towards the East. | towards the West.

AA - November to February inclusive; BB - May to August inclusive; cc - April; dd - March; ee - September; and ff - October.



Diurnal Variation of the Horizontal Force derived from the Bililar Observations from 1841 to 1845 inclusive. Scale one inch to '0005 parts of the Horizontal Force. Force increasing | Force decreasing | April to September inclusive | October to March inclusive





The third period, or that from 4<sup>h</sup> to 14<sup>h</sup>, is also characterised by a difference in the diurnal variation depending upon a similar division of the year in respect to season. From May to August inclusive the movement from 5<sup>h</sup> or thereabouts is slowly but steadily and continuously progressive towards the east till 14<sup>h</sup>; whereas from October to February inclusive the easterly movement is more considerable in amount in the first part of the period, but attains a limit about 10<sup>h</sup> or 11<sup>h</sup>, returning thenceforward towards the west for the remainder of the period.

The months of March, April, and September hold an intermediate course in this portion of the 24 hours also.

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#### HORIZONTAL FORCE.

*In absolute Measure.*—The experiments to determine the absolute horizontal force from August, 1840, to June, 1842, were made with the Observatory declination magnetometer and 15-inch bar magnets, the magnet deflecting being always perpendicular to the meridian. Bar 2 was employed until December, 1840, after which Bar 6 was substituted, and used until the close of the series. A few additional experiments were made with Bar 5, in 1841. Table VII. contains a value of X for each month of the series, the observations being made on one day in each month up to May, 1841; after which, until June, 1842, they were made weekly, and a mean taken for the monthly value. The disadvantage of removing the declination magnet so frequently (for the purpose of vibrating another magnet) having then become no longer a matter of doubt, it was deemed expedient to discontinue the regular series of experiments made in this manner. Since that period the Observatory has been supplied with two small unifilar magnetometers; the results with these do not, however, fall within the limits of the present volume.

The values of the ratio  $\frac{m}{X}$  were calculated by the formula

$$\frac{m}{X} = \frac{r'^2 \tan u' - r^2 \tan u}{2(r'^2 - r^2)}$$

in which  $u$  and  $u'$  denote the angles of deflection, at the distances  $r$  and  $r'$  expressed in feet and decimals of a foot.

The values of  $m X$  were obtained by the formula

$$m X = \frac{\pi^2 k}{T^2}$$

$\pi$  denoting the circumference of a circle to diameter 1;  $k$  the moment of inertia of the suspended mass; and  $T$  the time of one vibration.

The value of  $k$  for each bar was calculated from its weight and dimensions, by the formula

$$k = \frac{a^2 + b^2}{12} W$$

$a$  denoting the length of the bar, and  $b$  its breadth, in feet and decimals, and  $m$  its mass in grains.

$$\begin{aligned} \text{For bar 2, } k &= \frac{1.2500^2 + 0.07125^2}{12} \times 6824 = 891.429 \\ \text{,, } 5, k &= \frac{1.24875^2 + 0.07083^2}{12} \times 6225 = 811.633 \\ \text{,, } 6, k &= \frac{1.2504^2 + 0.0716^2}{12} \times 6251 = 817.128 \end{aligned}$$

TABLE VII.

DATE.	Magnets.		Deflections.				Vibrations.			Results.	
	Deflecting.	Suspended.	Distances.		Angles $a(1 + \frac{b^2}{r^2}) = 0^{\circ}.711.$		Time of one Vibration.	Rate of Chronometer.	Value of $\frac{H}{F}$	$m$	X
			$r$	$r'$	$u$	$u'$					
1840.											
August 22 . . . . .	2	—	6.000	9.083	72.2	21.2	13.1287	+ 3.2	0.0003	9.21	5.540
September 21 . . . . .	2	—	6.000	9.083	73.1	21.1	13.1534	+ 3.2	0.0006	9.11	5.578
October 23 . . . . .	2	—	6.000	9.083	72.4	20.8	13.1270	+ 3.0	0.0006	9.13	5.592
November 23 . . . . .	2	—	6.000	9.083	72.6	21.1	13.1334	+ 2.7	0.0014	9.17	5.554
December 29 . . . . .	2	—	6.000	8.923	72.5	22.2	13.1600	+ 1.2	0.0013	9.15	5.541
1841.											
January 23 . . . . .	6	1	6.010	8.923	92.2	28.2	11.1357	+ 6.7	0.0010	11.62	5.590
February 22 . . . . .	6	2	6.010	8.923	91.4	27.7	11.2073	+ 3.3	0.0005	11.38	5.638
March 23 . . . . .	6	2	6.010	8.923	89.5	27.4	11.3646	+ 6.5	0.0005	11.22	5.565
April 1 . . . . .	5	2	6.010	8.923	90.7	27.9	11.1421	-24.0	0.0003	11.51	5.608
„ 20 . . . . .	6	2	6.010	8.923	89.3	27.4	11.3426	-24.6	0.0004	11.24	5.570
May 21 . . . . .	6	2	6.010	8.923	89.3	27.3	11.3607	-31.0	0.0005	11.18	5.580
June 2, 9, 16, 23, and 29	6	2	6.000	8.917	89.0	27.2	11.3243	-32.0	0.0005	11.18	5.629
July 12 . . . . .	5	2	6.000	8.917	92.3	28.1	11.1456	-27.0	0.0005	11.51	5.588
„ 7, 14, 21, and 28 . . .	6	2	6.000	8.917	89.9	27.4	11.3322	-27.0	0.0005	11.24	5.579
„ 31 . . . . .	5	2	6.000	8.917	92.1	28.1	11.1537	-27.0	0.0005	11.53	5.575
August 4, 11, 19, and 25	6	2	6.000	8.917	90.0	27.4	11.3324	-27.0	0.0005	11.22	5.591
September 2 . . . . .	5	2	6.000	8.917	92.3	28.2	11.1650	-25.0	0.0005	11.53	5.565
„ 1, 8, 15, 22, and 29	6	2	6.000	8.917	89.9	27.4	11.3360	-25.0	0.0005	11.21	5.574
October 1 . . . . .	5	2	6.000	8.917	92.5	28.3	11.1530	-28.0	0.0005	11.58	5.555
„ 6, 13, 20, and 27 . . .	6	2	6.000	8.917	89.7	27.3	11.3412	-25.5	0.0005	11.21	5.585
November 1 . . . . .	5	2	6.000	8.917	92.0	28.1	11.1610	-26.0	0.0005	11.53	5.564
„ 3, 10, and 17 . . . . .	6	2	6.000	8.917	89.7	27.4	11.3427	-25.0	0.0005	11.22	5.579
December 8, 15, 22, and 29	6	2	5.000	8.625	151.7	29.8	11.4392	-23.5	0.0004	11.08	5.559
1842.											
January 5, 12, 19, and 26	6	2	5.000	8.625	151.9	29.8	11.4296	-22.5	0.0004	11.09	5.561
February 23 . . . . .	6	2	5.000	8.625	149.6	29.4	11.5231	+11.0	0.0004	10.91	5.567
March 2, 9, 16, 23, and 31	6	2	5.000	8.625	150.3	29.4	11.4968	+12.4	0.0004	10.97	5.556
April 6, 13, 20, and 27 . .	6	2	5.000	8.625	150.4	29.5	11.5006	+14.3	0.0004	10.97	5.559
May 11, 18, and 26 . . . .	6	2	5.000	8.917	140.5	27.6	11.8958	+11.1	0.0004	10.24	5.561
June 2, 16, and 24 . . . .	6	2	5.000	8.917	140.3	27.4	11.9264	+11.3	0.0004	10.19	5.566

The Arithmetical mean of the values of X in this table is 5.575.

*Bifilar Magnetometer.*—The bifilar magnetometer was of the construction described in pp. 24 and 25 of the Report of the Royal Society, and its adjustments were made on all occasions agreeably to the instructions contained in that Report.

The magnet No. 3, which was employed in the earliest observations in the temporary Observatory, was replaced on the 2nd of June, 1840, by No. 1, which continued in use after the removal into the permanent Observatory, and until March 15, 1841, when a more powerful magnet, No. 5, was substituted, and has not since been changed.

In accordance with the original instructions of the Royal Society, the magnet was removed for the determination of its magnetic moment monthly, until December, 1841; and although the removal and replacement were always made with the utmost care, it was found, as at other stations, that the magnet could not be touched without endangering the connection of the readings, and occasioning the necessity of frequent re-determinations of the value of the scale coefficient; until the commencement of 1842 therefore the connection of the bifilar observations cannot be relied on, and they are only useful for term-days and disturbances, or for the determination of the diurnal variation. The observations on days of unusual disturbance in 1840 and 1841 have already been published in their appropriate place; and the present volume contains the Terms for the same years, and the observations applicable to the diurnal variation made at every second hour of Göttingen time in 1841, with additional observations at eleven other stated periods in each 24 hours. The several values of the scale coefficient during this period are inserted at the head of the Monthly Abstracts, with the dates to which they respectively apply. On the 3rd of December, 1841, the magnetometer was re-adjusted, and the value of  $r$ , the angle through which the torsion circle required to be turned in order to deflect the magnet into a position at right angles to the magnetic meridian, was found to be  $58^{\circ} 56'$ ; the arc value of one scale division in parts of radius being 0.0003142, the value of one scale division in parts of the hor. force =  $0.0003142 + \cot 58^{\circ} 56' = 0.000189$ . The instrument remained from thenceforward undisturbed until July 24th, 1843, when the cylindrical case originally furnished with it, and in which the magnet up to that date had been enclosed, was replaced by a double rectangular casing precisely similar to that described for the declinometer. In making this change the greatest care is stated to have been taken to prevent the collimator from being touched; nevertheless, it was perceived by the first observations subsequent to the change, that an increase of the readings had in some way been occasioned. By taking the means of the readings at the different hours for five days previous and five days subsequent to July 24, and comparing the differences, it appeared that a permanent increase had been occasioned of 19.6 scale divisions. A constant correction of this amount has therefore been applied to the bifilar readings from July 24th to the end of the year (1843), when a thorough re-adjustment of the instrument was made. With the exception above mentioned, the apparatus was untouched from the commencement of 1842 to the end of 1843, and with the correction of  $-19.6$  applied to part of that interval as described, the observations are considered to form a connected series.

In January, 1844, the magnet was dismounted for the purpose of ascertaining the coefficient in the temperature correction; and was again mounted and adjusted in March, 1844, from which date it has continued undisturbed. The value of one scale division since this adjustment in 1844 is 0·00019.

By the experiments in January and February, 1844, the value of the temperature coefficient of No. 5 was found to be ·000276. The detail of these experiments has not yet been received at Woolwich, but the several partial results are stated to agree well with each other. The extremes of temperature of the water employed in them was from about 60° to about 90°, making a mean of about 75° as the temperature to which the coefficient thus determined belongs. Experiments made at Woolwich with a bar furnished by the same maker and at the same time as No. 5, have shown that the value of the coefficient is not the same at different degrees of the thermometric scale. The temperatures of the bifilar bar, in the observations at St. Helena which require to be reduced to a uniform temperature, vary from about 60° to 72°, of which the mean is 66°. If we may infer from the experiments with the similar bar at Woolwich the modification which the coefficient determined for No. 5 may be likely to undergo, by the employment of water of such temperatures as will give a mean in the experiments of 66° instead of 75°, the coefficient will be reduced from ·000276 to ·000260.\* Its precise value will, however, be ascertained by very careful experiments at the close of the whole series of observations, when the magnet will be brought to Woolwich for that purpose. In the mean time ·000276 has been used provisionally. The coefficients of the bars No. 3 and No. 1, used in the earlier and less important series in 1840 and 1841, determined also at St. Helena, are respectively ·00034 and ·00018.

*Secular Change.*—Until the close of 1841, the magnet of the bifilar having been frequently removed and the connection of the readings thereby broken, the observations are not available for the determination of secular change. From January, 1842, to December, 1843, and from November, 1844, to December, 1845, the series are unbroken, and the comparison of the fortnightly means in 1842 with those in 1843, and in 1844 with those of 1845, should give values for the annual amount of secular change of the horizontal force, subject, however, to the disqualifications of possible loss of magnetism in the bar, and of the stretching or other accidents of the suspension wire; and as no auxiliary instruments were in use at St. Helena until the commencement of 1846, we are unfurnished with the means which these afford of detecting such alterations, and obtaining approximate corrections for them.

\* These experiments are made by Captain Younghusband, R.A., with the bifilar bar of H.M.S. Erebus: separate experiments on the 8th, 10th, and 12th of February, 1847, gave as follows:—

Hours.	Mean Temp. 49°.	Mean Temp. 79°.
8	·000298	·000356
10	·000307	·000366
12	·000306	·000371
Mean - - -	·000304	·000364

Whence the proportionate reduction of the coefficient of No. 5 for  $(75^\circ - 66^\circ =) 9^\circ$  is ·000016, and it would become ·000260 at a mean temperature of 66°.





In considering the secular change of the horizontal force we must regard the operation of two causes, viz., a *direct* one, in the secular increase or decrease of the total force, by which its horizontal and vertical components will be similarly affected; and an *indirect* one, in the secular change of the inclination (or of the angle which the direction of the total force makes with the horizon), by which, according to the principles of the resolution of forces, the horizontal and vertical components will be dissimilarly affected, the one being increased whilst the other is diminished. The secular variation of the inclination is determined, independent of the force magnetometers, by direct observation with the inclinometer. At St. Helena this variation is considerable, amounting, as will be seen in the sequel, to an increase of about 9' annually. The inclination at the period to which the observations refer was about  $-21^{\circ} 40'$ ; and the variation of the horizontal force for a change of 1' of inclination, supposing the total force to be constant, would be  $\left(\frac{\Delta X}{X} = -\tan \theta \sin 1' =\right) \cdot 000116$ ; or for a change of 9',  $\cdot 00104$  parts of the horizontal force. The value of one division of the bifilar scale being  $\cdot 000189$  parts of the force, an annual increase of 9' in the inclination should cause an annual decrease in the bifilar readings of 5.50 scale divisions. The actual decrease on the average of the 49 results in Table VIII. is 5.54 scale divisions. The accordance is indeed remarkable, but when we examine the partial results in detail, we see reason to doubt whether it be more than fortuitous, arising from an accidental compensation between the effects of instrumental irregularities of opposite character and of considerable relative amount which may have taken place at different periods. At all events the differences between the partial results are such, that it would manifestly be a fruitless labour, and one leading to no sound conclusion, were we to seek the residual portion of the secular change of the horizontal force, after the elimination of the amount occasioned by the variation in the angle of inclination, for the purpose of inferring from that residual portion the secular change of the total force. The original equipment of instruments with which the Observatories were supplied, before the addition was made of the auxiliary instruments which now form part of the equipment, will, it is believed, be found, in the majority of cases at least, to have been inadequate to accomplish a satisfactory determination of the secular changes of the total force. It is probable, from other and wholly distinct considerations, that the total magnetic force at St. Helena is slightly diminishing; but the magnetometer observations at the station, between 1841 and 1845, neither confirm nor disprove this probability. The break in the connection of the bifilar readings at the commencement of 1844 is undoubtedly a circumstance of considerable disadvantage.

*Annual Variation.*—If we compare the mean bifilar reading for any particular fortnight with the mean bifilar reading of the year of which that fortnight is the middle period, the difference if any, (apart from instrumental or observation errors,) will show the existence of either a periodical or an irregular affection of the horizontal force in the fortnight in question: and if we thus compare the mean observed bifilar readings in each fortnight in succession, with annual means formed in each case by including the

mean bifilar readings in 13 fortnights antecedent and 13 subsequent to the one compared, we obtain a series of differences, in which we should either perceive, on the one hand, such apparently accidental irregularities as may reasonably be ascribed to instrumental or observation errors, or to magnetic disturbances,—or should discover, on the other hand, such a systematic appearance, as would indicate that at certain periods of the year the horizontal force is greater and at others less than a mean or equated value; and if different years exhibit a similar systematic aspect at the same periods of the year, we may regard the observations generally as bearing concurrent testimony to the existence of an annual variation.

Table IX. contains the differences resulting from the comparison which has been thus described: the sign + implies that the mean bifilar reading in the fortnight to which it refers is greater (or that the force exceeds) the value derived from the mean of all the observations of the year of which that fortnight is the middle period; and the sign - implies the converse.

TABLE IX.

PERIODS.	1842	1843	1845	Mean.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
Jan. 1 to 14	—	+2·11	-0·50	+0·8	} +1·5
„ 15 „ 28	—	+3·16	-0·17	+1·5	
„ 29 „ Feb. 11	—	+2·17	+2·02	+2·1	
Feb. 12 „ 25	—	+2·06	+3·28	+2·7	} +2·7
„ 26 „ Mar. 10	—	+2·85	+2·84	+2·8	
Mar. 11 „ 24	—	+2·73	+1·75	+2·2	} +2·4
„ 25 „ April 7	—	+2·26	+2·66	+2·5	
Apr. 8 „ 21	—	+2·92	+1·03	+2·0	} +2·4
„ 22 „ May 5	—	+5·17	+0·59	+2·9	
May 6 „ 19	—	-1·79	+2·11	+1·9	} +1·6
„ 20 „ June 2	—	+1·56	+1·13	+1·3	
June 3 „ 16	—	-1·26	+2·05	+0·4	} +0·8
„ 17 „ 30	—	+1·10	—	+1·1	
July 1 „ 14	-5·14	-1·04	—	-3·1	} -1·9
„ 15 „ 28	-1·81	-1·26	—	-1·5	
„ 29 „ Aug. 11	-1·21	—	—	-1·2	
		1844			
Aug. 12 „ 25	-2·82	—	—	-2·8	} -2·4
„ 26 „ Sept. 8	-3·44	-0·34	—	-1·9	
Sept. 9 „ 22	-5·25	+0·66	—	-2·3	} -2·2
„ 23 „ Oct. 6	-1·04	-3·09	—	-2·0	
Oct. 7 „ 20	-1·79	+0·07	—	-0·9	} -2·0
„ 21 „ Nov. 3	-3·10	-2·99	—	-3·0	
Nov. 4 „ 17	-1·36	-1·16	—	-1·3	} -1·7
„ 18 „ Dec. 1	-1·89	-2·60	—	-2·2	
Dec. 2 „ 16	-0·64	+1·42	—	+0·4	} +0·2
„ 17 „ 31	+1·11	-1·12	—	0·0	

In this table the characters of a well-marked annual variation are distinctly seen, the intensity of the force being greatest in the months of February, March, and April, and least in August and September; or greatest in the hottest months of the year, and least in the coldest. A similar correspondence between the two classes of phænomena, namely, between the annual variation of the temperature and that of the horizontal force deduced from the bifilar observations, was pointed out in the volume of the Toronto observations for 1841 and 1842, as existing also at that station. The observations at Toronto, reduced to a uniform temperature of the bifilar bar, indicated a progressive increase of the horizontal force from January and February, the coldest months of the year at that station, to July and August, which are the hottest; and a progressive decrease from the two last-named months to November and December. The correspondence so manifested was deemed an important feature in the deductions from the Toronto observations, as tending to establish a natural connection between the degree of heat which the earth receives from the sun at different seasons, and the variations in the intensity of the earth's magnetic force. Table X. contains in parallel columns the differences of the temperature of each month at St. Helena from the mean temperature of the whole year derived from five years of observation, and the variation of the horizontal force shown by the bifilar readings in the same months at a uniform temperature of the bifilar magnet. The correspondence is well marked and sustained throughout, and is to the same effect as at Toronto, although the months of maximum and minimum of temperature and force are very different at the two stations.

TABLE X.

MONTHS.	Temperature of the Air above or below the Mean of the Year.	Horizontal Magnetic Force in Excess or Defect.
		Sc. Div.
January . . . . .	+2·4	+1·5
February . . . . .	+4·5	+2·7
March . . . . .	+4·9	+2·4
April . . . . .	+4·2	+2·4
May . . . . .	+1·6	+1·6
June . . . . .	-1·3	+0·8
July . . . . .	-3·4	-1·9
August . . . . .	-4·2	-2·4
September . . . . .	-4·2	-2·2
October . . . . .	-3·2	-2·0
November . . . . .	-1·6	-1·7
December . . . . .	+0·4	+0·2

Conclusions of the nature now attempted, and which are derived by means of magnets whose magnetic movement itself varies with the changes of the temperature, must always be in a degree dependent on the confidence which may be reposed in the compensation, employed to convert the actual readings of the bifilar magnetometer into corresponding values at an assumed constant temperature of the bar. In the present case the actual mean temperature of the bar, shown by a thermometer inclosed within the bifilar box and read at the same times as the bifilar itself, averaged about  $61^{\circ}$  in the month of September, and about  $69^{\circ}$  in the month of March, those months being the extremes in respect to temperature: the difference is  $8^{\circ}$ , for which the compensation in scale divisions is  $8 \frac{q}{k} = 8 \frac{.000276}{.000189} = 11.7$ ;  $q$  being the temperature coefficient, and  $k$  the scale coefficient. Now, if we desire to suppose such a modification of the temperature coefficient, as shall cause the bifilar differences in the months of March and September which appear in Table IX. to vanish, the coefficient must be taken at  $.000170$  instead of  $.000276$ . Unless it were by a fault of the method prescribed in the revised instructions of the Royal Society for the determination of the coefficient, it is extremely improbable that an error of such magnitude should exist. The partial results obtained on different days are stated by Captain Smythe to exhibit a very satisfactory accord with each other; and although the mean result may possibly require to be slightly diminished, to suit an average mean temperature of  $65$  or  $66^{\circ}$ , instead of  $75$  for which it was determined (page 34), it is not probable (judging from the experiments made at Woolwich by Captain Younghusband with a similar bar furnished by the same maker at the same period), that the diminution on this account should exceed a fifth or sixth part of the difference between  $.000170$  and  $.000276$ . A repetition of the temperature experiments with the bar itself on its return to Woolwich, when the Observatory is dismantled, will, however, determine the coefficient for the mean temperature at which the bar has been employed, and will at the same time give the amount of probable error in the result which shall be then obtained. In the mean time the conclusion may be ventured, that unless some serious unsuspected source of error exist in the mode of determining the temperature coefficient, the excess of the bifilar readings in March and the months on either side of it, over September and its adjoining months, shown in Table IX., cannot with any reasonable probability be explained away by the supposition of an erroneous compensation having been applied for the influence of variations of temperature upon the bar itself.

Assuming an annual variation of the horizontal force to exist, and to be such as is indicated by the differences in Table IX., it might be occasioned either by a variation in the intensity of the total force of the earth's magnetism, or in the angular direction in which the force acts in respect to the horizon. If by the latter cause, the absolute determinations with the inclinometer should show an annual variation corresponding in time, but opposite in character, viz., the inclination should diminish when the horizontal force increases, and vice versâ. In a subsequent part of this discussion the inclinometer

observations in the years 1841 to 1845 are examined with reference to this question; and although the conclusions obtained from them can scarcely be viewed as thoroughly satisfactory, chiefly on account of irregularities in the earlier portion of the series, the tendency of the observations is to show that there is little, if any, periodical variation in the inclination depending on the season of the year. They certainly do not show any such systematic decrease of the angle of dip in the months of February, March, and April, or increase in July, August, and September, as would be required to account for the increase of the horizontal force in the former and its decrease in the latter months. As far, therefore, as the evidence of the observations in the first five years can be considered satisfactory, it tends to refer the annual variation of the horizontal force wholly to a corresponding variation of the total force.

The projections in Plate II., Fig. 2, are designed to represent the mean progression of the bifilar readings in the years 1842 to 1845, both as regards secular change and annual variation. The broken line A A is the secular change assumed to take place uniformly in the different months of the year, and having an annual value of 5.54 scale divisions of the bifilar, or .001 part of the horizontal force (Table VIII.): the unbroken line shows the difference between the mean reading of the bifilar magnetometer in each fortnight and the mean reading in the year. The faintly dotted line *aa* shows the annual variation of the temperature of the air, represented on a scale which brings it in comparison with the progression of the bifilar readings; the annual variation of the temperature is laid off on the line A A as its line of mean temperature.

*Diurnal Variation.*—Tables XI. and XII. exhibit the diurnal variation derived from the monthly means of the bifilar magnetometer, reduced to a uniform temperature of the bifilar magnet, and expressed in parts of the horizontal force, for every month of the years 1841 to 1845, inclusive. The lowest monthly mean occurring at any of the observation hours has been taken as the zero for the month.

(See TABLES XI. and XII. in pp. 42 to 46.)

The diurnal variation of the horizontal force at St. Helena is remarkable for the simplicity of its character. The force is greatest about noon, and least about 9 or 10 o'clock in the evening, and the progression between the maximum and minimum is continuous and uninterrupted. The precise hour of the maximum may be considered to be midway between 23<sup>h</sup> and 0<sup>h</sup> generally, and the hour of the minimum 9<sup>h</sup> or 10<sup>h</sup>, except in May, June, and July, when it occurs at 11<sup>h</sup>. The increase of force from the hour of minimum is slow during the hours of the night, but becomes accelerated about 18<sup>h</sup>, and continues so until about 23<sup>h</sup>. The decrease is nearly as rapid from 1<sup>h</sup> to 7<sup>h</sup>.

The remarkable difference which has been shown to take place in the diurnal variation of the declination at this station at opposite seasons of the year, gives a more than usual interest to the examination of the influence of season on the periodical variations of all

the magnetic elements; and accordingly separate means have been taken for the horizontal force for the months from April to September inclusive, and from October to March. These are projected in Plate IV. Fig. 3, the broken line representing the diurnal variation in the months when the sun is north of the equator, and the unbroken line the variation at the opposite season. The projections (unlike those of the declination) are perceived to have a very close resemblance to each other; the differences, however, small as they are, are systematic; for if the five years which the projections represent be divided into two periods, one comprehending 1841, 1842, and 1843, and the other 1844 and 1845, the mean half-yearly projections of both periods will be found to exhibit differences almost precisely similar to those shown in Plate IV. The increase of force about the hour of noon is greatest, on the average, in the half-year from April to September; this peculiarity is most marked in the months of April and May, and appears also to be partaken in by March, though in a somewhat less degree; whilst November and December are the months in which the increase of force about the hour of noon is least.

TABLE XI.—*Diurnal Variation of the Horizontal Force from 1841 to*

Mean Time at St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.											
{ 1841	135	136	133	113	093	062	—	033	—	009	002
{ 1842	182	171	142	118	095	072	—	032	—	008	000
{ 1843	184	180	165	139	110	089	066	047	037	030	023
{ 1844*	—	—	—	—	—	—	—	—	—	—	—
{ 1845	175	168	135	113	088	071	049	022	012	000	008
Mean . . .	161	156	136	113	088	066	046	026	015	004	000
FEBRUARY.											
{ 1841	141	129	105	075	066	047	—	000	—	007	007
{ 1842	135	122	099	078	053	040	—	017	—	000	009
{ 1843	152	135	104	085	066	047	028	015	011	000	007
{ 1844*	—	—	—	—	—	—	—	—	—	—	—
{ 1845	177	165	144	122	103	080	046	022	010	007	000
Mean . . .	148	135	110	087	069	051	028	011	005	000	003
MARCH.											
{ 1841	203	199	142	093	061	044	—	015	—	000	010
{ 1842	209	198	173	142	114	091	—	032	—	000	008
{ 1843	167	158	135	104	070	066	023	014	004	002	000
{ 1844	154	147	117	100	087	065	044	029	019	000	009
{ 1845	193	167	141	102	060	034	022	007	001	000	002
Mean . . .	185	174	142	108	078	060	033	019	009	000	006
APRIL.											
{ 1841	202	192	151	109	077	057	—	011	—	006	011
{ 1842	173	160	133	099	074	051	—	016	—	000	007
{ 1843	207	179	135	074	072	039	017	004	000	002	000
{ 1844	164	145	113	082	050	025	011	000	003	007	003
{ 1845	218	205	170	130	101	055	027	014	009	005	008
Mean . . .	190	173	137	096	072	042	019	006	000	001	003
MAY.											
{ 1841	198	146	115	076	045	036	—	005	—	003	000
{ 1842	171	146	116	080	051	034	—	009	—	002	001
{ 1843	186	175	142	113	093	070	057	036	027	018	002
{ 1844	160	139	114	084	067	051	037	027	013	013	009
{ 1845	206	180	140	106	075	048	030	016	014	010	001
Mean . . .	184	157	125	092	066	048	034	019	013	009	003
JUNE.											
{ 1841	191	167	130	095	081	054	—	014	—	000	009
{ 1842	152	139	112	103	082	065	—	006	—	005	003
{ 1843	148	127	099	076	061	046	027	019	011	015	004
{ 1844	160	145	112	086	065	053	039	027	017	011	012
{ 1845	183	166	130	010	069	047	027	018	009	006	000
Mean . . .	162	144	112	069	067	048	025	012	003	002	001

\* No observations were made in January and February, 1844.



HORIZONTAL COMPONENT OF THE MAGNETIC FORCE.

43

1845 inclusive, in parts of the *Horizontal Force*.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
000	016	030	049	043	—	045	056	074	106	122	151	138
005	—	027	027	032	—	038	040	059	076	110	160	186
030	000	028	032	040	039	041	053	080	104	129	154	171
—	—	—	—	—	—	—	—	—	—	—	—	—
010	004	004	019	021	030	031	030	041	055	095	130	161
003	006	014	024	026	030	031	037	056	077	106	141	156
003	008	008	001	012	—	021	035	054	081	114	148	151
017	—	016	012	019	—	025	027	042	065	095	122	137
007	010	010	009	009	007	007	013	036	059	084	110	139
—	—	—	—	—	—	—	—	—	—	—	—	—
006	007	005	009	012	015	012	014	025	060	092	139	178
005	007	007	005	010	011	013	019	036	063	093	127	148
017	025	032	023	030	—	032	049	065	103	146	186	199
010	—	034	034	042	—	059	061	085	118	160	192	201
005	014	021	017	018	023	024	030	044	070	101	139	161
004	010	017	018	022	030	026	036	048	078	119	153	155
000	008	007	011	021	012	012	015	037	075	126	161	190
007	016	022	021	027	029	031	038	056	089	130	166	181
000	004	017	018	026	—	043	049	062	084	134	164	193
011	—	034	038	038	—	044	047	055	078	103	123	161
016	021	040	044	042	051	055	061	068	093	131	173	199
003	024	023	027	029	034	037	034	042	069	111	045	160
000	003	009	003	006	025	019	024	034	069	124	169	218
003	012	022	023	025	036	037	040	049	076	118	132	183
000	012	016	018	040	—	023	034	038	015	113	155	180
000	—	003	006	015	—	023	025	042	066	106	150	173
000	028	027	034	039	040	046	046	055	076	110	148	184
000	007	003	014	021	025	032	039	044	069	108	140	163
000	008	009	008	013	019	019	030	045	085	135	180	208
000	016	012	016	026	028	029	035	045	062	114	155	182
018	017	010	015	022	—	029	036	049	081	122	164	194
000	—	004	012	012	—	019	025	036	057	095	129	156
004	000	000	011	011	008	017	023	027	044	078	113	142
000	005	030	013	013	016	022	027	039	060	092	132	157
001	002	004	008	011	014	018	026	037	063	104	147	176
000	001	005	007	009	010	016	022	033	056	093	132	160

TABLE XI.—*Diurnal Variation of the Horizontal Force from 1841 to*

Mean Time at St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
JULY.	1841	135	122	092	072	034	038	—	008	—	000	001
	1842	141	137	118	085	063	047	—	014	—	000	011
	1843	141	122	099	080	063	047	021	011	006	000	002
	1844	148	136	106	073	050	042	030	016	013	007	002
	1845	186	174	140	112	082	059	036	021	013	009	004
	Mean . . .	147	135	108	081	055	044	024	011	008	000	001
AUGUST.	1841	169	151	124	097	077	052	—	017	—	005	001
	1842	152	127	093	065	036	030	—	011	—	003	001
	1843	152	137	122	093	070	049	032	014	005	003	003
	1844	162	146	111	084	052	033	017	005	000	001	002
	1845	175	158	125	087	049	032	019	015	004	000	003
	Mean . . .	160	142	113	083	055	037	023	010	001	000	000
SEPTEMBER.	1841	167	140	101	086	068	047	—	022	—	000	015
	1842	158	139	103	070	059	044	027	013	008	000	006
	1843	169	161	139	106	082	046	034	013	000	002	003
	1844	172	153	116	072	037	021	009	000	002	007	010
	1845	175	158	125	087	049	032	019	015	004	000	003
	Mean . . .	166	148	115	082	057	036	023	010	002	000	005
OCTOBER.	1841	179	158	137	120	082	061	—	000	—	010	007
	1842	171	156	125	094	068	046	025	012	000	002	003
	1843	135	125	110	091	072	047	036	018	008	000	004
	1844	154	133	103	077	065	045	024	005	002	000	003
	1845	175	156	127	104	083	064	041	031	017	005	000
	Mean . . .	160	143	117	094	071	050	029	010	004	000	000
NOVEMBER.	1841	117	117	094	092	086	056	—	022	—	000	008
	1842	116	114	103	089	078	055	032	021	010	000	000
	1843	142	140	127	108	089	066	038	021	007	000	002
	1844	151	141	127	106	078	055	018	006	002	000	010
	1845	163	162	142	118	088	062	029	015	006	002	000
	Mean . . .	138	135	119	103	084	059	029	017	006	000	004
DECEMBER.	1841	167	137	148	118	085	053	—	007	—	000	002
	1842	135	129	118	095	074	053	023	007	000	001	001
	1843	123	118	110	099	077	052	023	004	002	000	008
	1844	159	142	124	103	088	070	040	017	013	009	007
	1845	139	138	118	093	071	048	024	013	010	004	000
	Mean . . .	142	130	121	099	076	052	025	007	003	000	001

HORIZONTAL COMPONENT OF THE MAGNETIC FORCE.

45

1845 inclusive, in parts of the *Horizontal Force*—continued.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
001	006	018	022	027	—	040	040	047	076	104	131	130
012	—	030	023	038	—	046	042	047	065	097	118	135
006	012	013	021	027	030	032	036	046	061	089	123	137
000	000	007	009	013	018	022	028	033	047	081	111	137
000	008	008	006	015	020	024	030	036	053	092	141	177
001	007	012	013	021	025	030	032	039	057	090	122	140
000	005	023	022	040	—	040	043	050	074	097	135	160
000	—	012	014	012	—	019	012	014	040	078	118	141
001	003	000	002	008	009	010	018	024	039	079	112	146
011	014	019	024	032	032	037	041	038	054	095	133	168
003	006	004	021	031	028	032	032	033	062	091	135	171
001	005	010	015	023	024	026	027	030	052	086	125	155
027	023	023	029	038	—	041	040	043	065	101	137	173
009	023	027	028	036	032	034	030	027	042	076	104	142
005	020	028	034	034	032	030	034	038	056	089	122	160
012	015	023	026	032	030	033	027	027	046	087	119	161
003	006	004	021	031	028	032	032	033	062	091	135	171
009	015	019	026	032	029	032	031	032	052	087	121	159
027	044	049	055	061	—	061	051	063	091	131	169	186
011	022	021	027	028	030	027	021	044	076	118	150	173
003	009	012	021	019	018	017	017	032	061	099	123	133
006	009	012	024	027	032	032	032	049	074	111	150	161
004	007	010	011	017	018	021	026	053	092	140	178	184
007	015	018	025	027	028	029	026	045	076	117	151	163
019	019	027	029	032	—	038	043	081	092	113	131	130
008	008	010	015	019	023	019	027	056	082	099	110	120
003	007	012	012	010	012	012	021	040	066	091	118	137
019	020	020	031	035	033	036	047	74	110	131	153	152
013	021	018	026	028	026	029	045	070	103	122	146	151
012	015	017	023	025	025	027	037	064	091	111	132	138
027	018	028	042	044	—	046	059	082	103	131	165	175
004	005	008	007	011	009	012	028	053	076	101	118	131
008	009	017	019	023	021	025	033	053	063	084	104	117
000	009	011	014	017	017	021	032	064	095	124	149	163
010	016	019	023	027	036	037	055	088	116	144	160	154
007	008	014	017	021	022	025	038	065	088	114	136	145

TABLE XII.—Showing the mean Diurnal Variation of the Horizontal Force in each Month of the Year, derived from the preceding Table.

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	Astronomical Reckoning.
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
January . . . . .	161	156	136	113	088	066	046	026	015	004	000	003	January.
February . . . . .	148	135	110	087	069	051	028	011	005	000	003	005	February.
March . . . . .	185	174	142	108	078	060	033	019	009	000	006	007	March.
April . . . . .	190	173	137	096	072	042	019	006	000	001	003	003	April.
May . . . . .	184	157	125	092	066	048	034	019	013	009	003	000	May.
June . . . . .	162	144	112	069	067	048	025	012	003	002	001	000	June.
July . . . . .	147	135	108	081	055	044	024	011	008	000	001	001	July.
August . . . . .	160	142	113	083	055	037	023	010	001	000	000	001	August.
September . . . . .	166	148	115	082	057	036	023	010	002	000	005	009	September.
October . . . . .	160	143	117	094	071	050	029	010	004	000	000	007	October.
November . . . . .	138	135	119	103	084	059	029	017	006	000	004	012	November.
December . . . . .	142	130	121	099	076	052	025	007	003	000	001	007	December.
April to Sept. inclusive	166	148	116	082	060	040	023	009	003	000	000	000	
Oct. to March inclusive	155	145	123	100	077	055	032	014	006	000	001	006	
Mean of the whole Year	160	146	119	091	068	047	028	011	004	000	000	003	
	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
January . . . . .	006	014	024	026	030	031	037	056	077	106	141	156	January.
February . . . . .	007	007	005	010	011	013	019	036	063	093	127	148	February.
March . . . . .	016	022	021	027	029	031	038	056	089	130	166	181	March.
April . . . . .	012	022	023	025	036	037	040	049	076	118	132	183	April.
May . . . . .	011	012	016	026	028	029	035	045	062	114	155	182	May.
June . . . . .	001	005	007	009	010	016	022	033	056	093	132	160	June.
July . . . . .	007	012	013	021	025	030	032	039	057	090	122	140	July.
August . . . . .	005	010	015	023	024	026	027	030	052	086	125	155	August.
September . . . . .	015	019	026	032	029	032	031	032	052	087	121	159	September.
October . . . . .	015	018	025	027	028	029	026	045	076	117	151	163	October.
November . . . . .	015	017	023	025	025	027	037	064	091	111	132	138	November.
December . . . . .	008	014	017	021	022	025	038	065	088	114	136	145	December.
April to Sept. inclusive	006	011	015	021	023	026	029	036	057	096	129	161	
Oct. to March inclusive	009	014	018	023	025	026	032	053	080	111	141	155	
Mean of the whole Year	007	012	016	021	023	026	030	044	068	105	135	158	

## VERTICAL FORCE.

*Vertical Force Magnetometer.*—The instrument in use at St. Helena was made by Robinson in 1839, and taken out with the other instruments in the same year; the magnet was found to be much rusted on its arrival; and, as it did not perform well, a new and heavier magnet was sent out in 1841, and taken into use in October of that year; the term observations in November and December, 1841, are printed in this volume, as are the daily observations in 1842 and 1843, two-hourly until August 31, 1842, and hourly from that date.

The magnetometer was adjusted according to the instructions of the Royal Society, in the direction perpendicular to the magnetic meridian. The angular value of one division of the micrometer heads was ascertained to be exactly 1'0. The values of the coefficient, ( $k$ ), for computing the changes of vertical force corresponding to an alteration of 1'0 in the position of the magnet, have been calculated by the formula given for that purpose in the instructions of the Royal Society; the elements of the calculation being the times of vibration of the magnet in the horizontal and vertical planes, and the magnetic inclination. By repeated observations with an inclinometer, made in August, 1840, on the pedestal in the Observatory on which the vertical force magnetometer was afterwards placed, the inclination at that spot was found to be about 20' greater than in the detached building where the regular observations of the inclination were made; this difference has consequently been allowed for in the inclination employed in computing the coefficient. The times of vibration of the magnet in the horizontal plane were observed usually about the last day of the month, and, corrected for the rate of the Chronometer, were as follows:—

	1842	1843		1842	1843
	s.			s.	
January . . .	13·66	14·25	July . . .	13·91	—
February . . .	13·67	—	August . . .	13·93	14·44
March . . .	—	—	September . . .	13·98	14·49
April . . .	13·80	14·33	October . . .	13·97	—
May . . .	13·84	—	November . . .	14·01	—
June . . .	13·89	14·40	December . . .	14·06	14·54

The times of vibration in the vertical plane, and the corresponding values of the coefficient, are given in Table XIII.; the observations in March and December, 1842, are recorded as uncertain, in consequence of insects being discovered on the magnet.

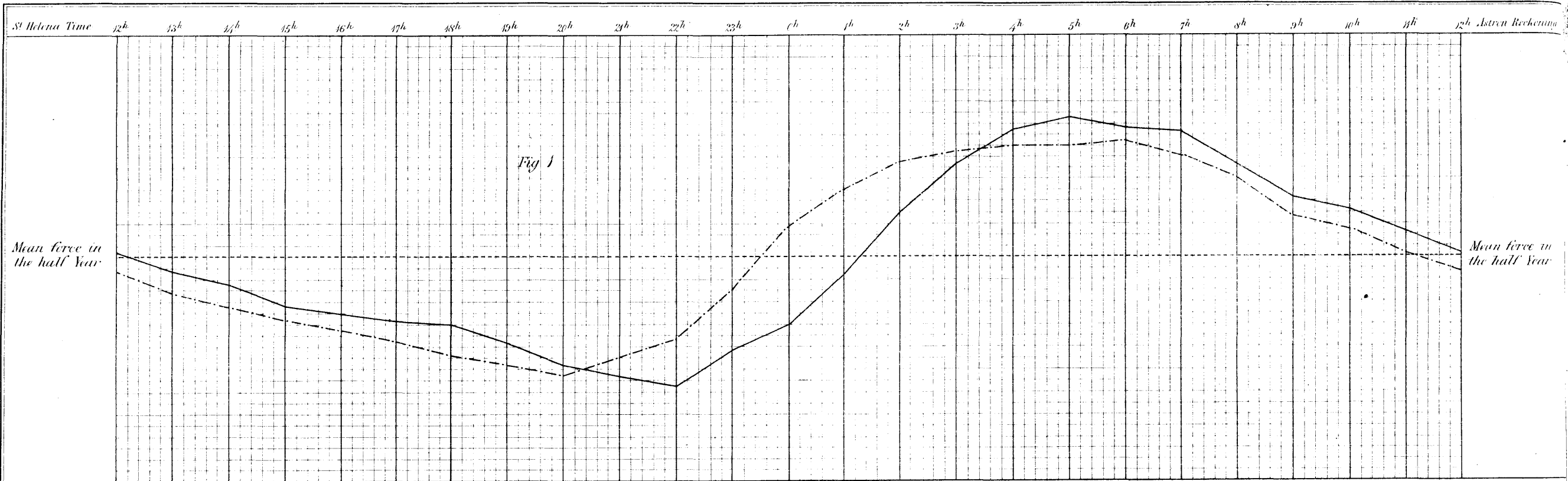
TABLE XIII.

*Vibrations of the Vertical Force Magnet and Values of the Coefficient.*

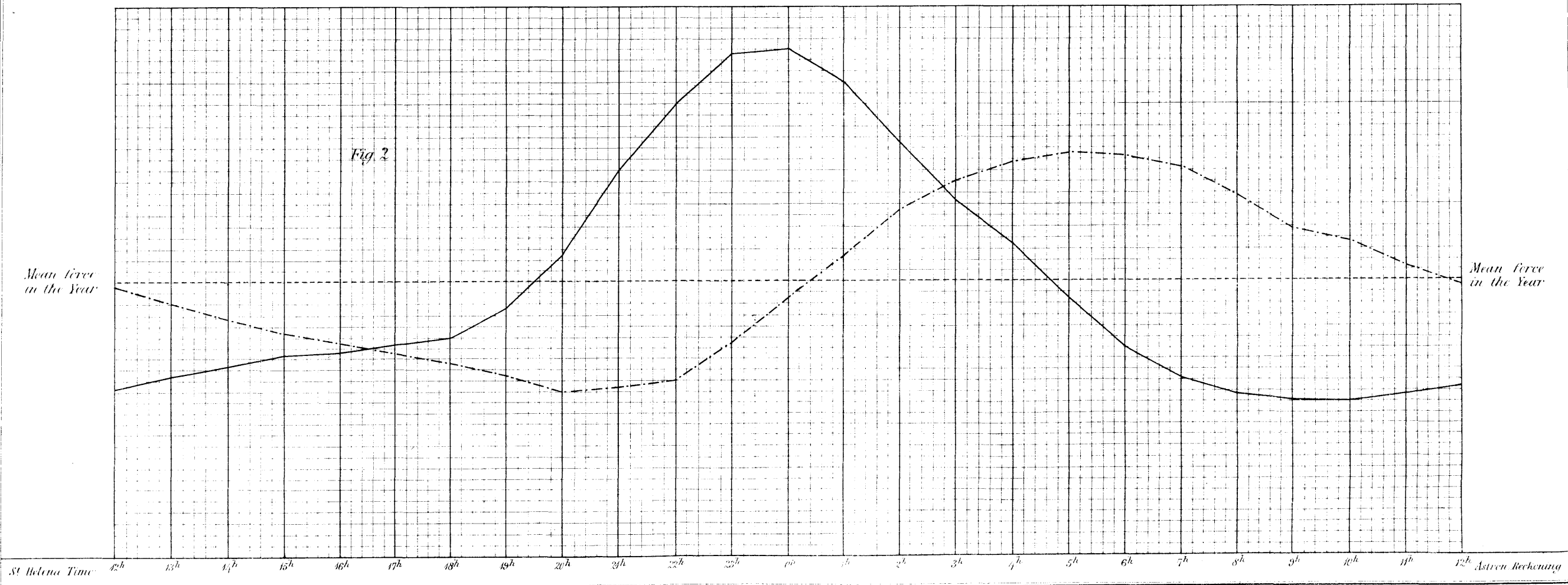
Date.	Arcs.		Time of One Vibration.	Value of $k$ .	Date.	Arcs.		Time of One Vibration.	Value of $k$ .
	Initial.	Terminal.				Initial.	Terminal.		
1841	'	'	s.		1842	'	'	s.	
November 2	—	—	16·69	·00046	October 8	60	20	16·49	·00058
9	—	—	16·53		17	90	15	15·67	
16	—	—	16·28		26	60	12	14·95	
24	—	—	16·61		November 1	70	25	15·28	
December 3	—	—	16·62	·00047	9	70	20	15·96	·00056
13	—	—	16·44		17	70	30	16·27	
18	—	—	16·48		24	60	15	16·25	
25	—	—	16·42		December 1	60	20	15·83	
1842					13	50	6	14·35	·00070
January 1	—	—	16·24	19	60	12	15·10		
8	13	10	16·29	30	60	8	12·73		
18	12	—	16·75	1843	January 13	60	10	10·36	
22	12	3	16·70		19	60	10	10·43	
28	16	—	16·78		31	70	8	10·59	
February 5	—	—	16·76		February 9	70	18	10·72	
12	—	—	16·92	·00048	17	70	12	10·69	·00130
19	40	20	16·85		22	60	10	10·67	
March 1	20	5	16·47		March 7	60	10	10·64	
5	—	—	15	·00054	15	60	10	10·66	·00085
12	—	—	14		20	60	12	10·64	
19	—	—	14		31	80	10	10·52	
31	—	—	14		April 17	80	5	13·61	
April 2	50	30	14·14	·00067	24	80	8	12·92	·00085
9	70	40	14·41		May 3	80	8	13·13	
16	50	25	14·64		15	80	6	12·89	
23	60	30	14·61		31	80	5	12·72	
30	50	25	14·52		June 1	65	10	13·66	
May 7	40	25	14·78	·00065	15	80	3	12·83	·00085
14	50	25	14·64		30	80	5	12·81	
21	40	15	14·71		July 17	80	5	13·04	
31	50	30	14·78	·00065	31	80	10	13·03	·00085
June 7	60	25	14·74		August 2	60	15	14·03	
14	40	25	14·73		16	60	10	13·39	
30	60	30	14·70	·00074	31	60	8	13·55	·00085
July 6	50	25	14·33		September 16	60	10	13·45	
13	40	5	13·31		29	60	10	13·57	
20	60	15	14·10	·00077	October 2	60	15	13·71	·00085
30	50	5	13·69		16	60	15	13·30	
August 4	60	20	13·92		30	60	10	13·55	
12	60	15	13·46		November 3	60	10	13·45	
25	60	6	13·13	·00080	14	80	4	13·51	·00085
31	70	15	13·54		30	80	5	13·39	
September 8	60	5	14·33						
16	50	20	13·35						
30	80	5	12·53						



*Diurnal Variation of the Vertical Force* derived from the Observations with the Vertical Force Magnetometer from 1842 to 1845 inclusive. Scale, One Inch to 1005 parts of the Vertical Force. April to September inclusive -----, October to March inclusive ————. Force increasing, Force decreasing.



*Mean Diurnal Variations of the Horizontal and Vertical Components of the Magnetic Force*, expressed in parts of the respective Forces, on a Scale of One Inch to 1005 parts. Approximate Values in absolute measure, of the Horizontal Force 5.6, and of the Vertical Force 2.3. Horizontal Force ————, Vertical Force -----. Force increasing, Force decreasing.







The experiments which have been made at different times for the purpose of ascertaining the value of the coefficient ( $q$ ) in the temperature correction have not yet yielded a conclusive result. The partial results have been nearly as often negative as positive, and always very small: it appears probable, therefore, that the coefficient will ultimately be found to have a very small positive value, although the partial results differ too widely from each other to justify a more precise conclusion. When the observatory is discontinued, and the instruments are brought to Woolwich, a fresh and very careful determination will be made; meanwhile the changes of the vertical force, as far as required for discussion in this volume, have been derived from the changes of position of the magnet without any corrections having been made for the variations of temperature of the bar itself; the results so obtained must therefore be regarded as in some degree provisional, although it is probable that the corrections which they may hereafter receive, if any, will be very slight, more particularly as the variations of the temperature at St. Helena are themselves extremely small.

*Diurnal Variation of the Vertical Force.*—Tables XIV. and XV. contain the diurnal variation of the vertical force, expressed in parts of the force, in each month of the years 1842 to 1845 inclusive, derived, as already stated, from the changes of position of the magnet uncorrected for its variations of temperature.

(See TABLES XIV. and XV. in pp. 50-53, 54.)

The vertical force at St. Helena appears to have a maximum generally throughout the year at 5<sup>h</sup> or 6<sup>h</sup>, and a minimum from 19<sup>h</sup> to 22<sup>h</sup>, viz. at 19<sup>h</sup> or 20<sup>h</sup> from April to September, inclusive, and at 21<sup>h</sup> or 22<sup>h</sup> from October to March, inclusive: there are no secondary maxima or minima, the progression from the maximum to the minimum, and from the minimum to the maximum, being continuous and uninterrupted. The range of the diurnal variation generally throughout the year is about one-thousandth part of the whole vertical force. For the reason already expressed in treating of the horizontal force, the diurnal variations of the vertical force in the several months have been collected into two half-yearly means, representing respectively the mean diurnal movements in the half years from April to September, inclusive, and from October to March, inclusive; and these have also been projected in Pl. V. Fig. 1. It will be seen that from 22<sup>h</sup> to 23<sup>h</sup> the vertical force is lower (with reference to its mean value in the 24 hours) from October to March than from April to September, and higher at all the other hours.

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

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.											
{ 1842	—	036	—	077	—	113	—	110	—	086	—
{ 1843	036	056	104	121	143	130	130	127	133	130	133
{ 1844	052	063	088	085	146	166	169	147	111	088	076
{ 1845	035	069	095	120	140	157	153	150	134	115	096
Mean . . .	032	054	086	099	132	140	140	132	118	103	094
FEBRUARY.											
{ 1842	—	004	—	098	—	128	—	124	—	120	—
{ 1843	073	091	122	156	170	189	187	179	175	151	143
{ 1844*	—	—	—	—	—	—	—	—	—	—	—
{ 1845	044	072	102	125	141	152	146	141	116	095	077
Mean . . .	032	051	087	121	136	151	148	143	134	117	110
MARCH.											
{ 1842	—	071	—	079	—	072	—	073	—	053	—
{ 1843	025	046	070	108	091	091	092	094	085	061	064
{ 1844	042	066	105	137	158	165	170	174	162	140	133
{ 1845	035	065	085	100	100	110	110	107	098	090	087
Mean . . .	029	056	089	100	100	104	105	106	097	080	080
APRIL.											
{ 1842	—	081	—	096	—	099	—	078	—	055	—
{ 1843	054	062	088	101	111	105	112	107	082	084	077
{ 1844	100	138	159	178	191	194	185	170	164	149	142
{ 1845	075	114	130	137	144	135	135	150	128	096	084
Mean . . .	073	094	113	123	132	128	124	121	122	091	101
MAY.											
{ 1842	—	077	—	096	—	079	—	073	—	062	—
{ 1843	061	076	071	079	077	082	079	088	071	065	055
{ 1844	120	140	153	151	149	155	145	126	109	090	075
{ 1845	081	106	104	112	116	112	110	113	101	090	073
Mean . . .	073	092	096	102	100	099	095	092	079	069	056
JUNE.											
{ 1842	—	073	—	081	—	086	—	074	—	063	—
{ 1843	043	049	042	043	054	060	071	075	061	045	037
{ 1844	059	073	090	100	107	114	113	100	088	076	068
{ 1845	078	104	124	124	118	114	115	104	090	078	066
Mean . . .	061	075	084	087	091	094	096	088	077	066	056

\* No observations were made in February, 1844.

VERTICAL COMPONENT OF THE MAGNETIC FORCE.

51

months from 1842 to 1845, in parts of the Force.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
070	—	053	—	042	—	054	—	035	—	014	—	000
139	117	098	083	069	066	059	052	047	026	020	000	036
065	058	050	040	030	034	031	022	027	009	000	002	030
075	061	054	049	034	028	024	031	021	000	012	002	011
085	069	062	053	042	042	040	036	031	011	010	000	017
127	—	121	—	108	—	078	—	090	—	094	—	000
129	104	092	081	072	074	072	068	065	053	033	000	026
—	—	—	—	—	—	—	—	—	—	—	—	—
063	062	041	040	022	016	005	023	026	009	000	007	026
101	093	080	076	062	058	047	056	055	046	037	000	012
058	—	046	—	026	—	011	—	000	—	013	—	053
055	044	051	043	040	029	060	057	049	035	010	000	017
109	099	088	077	065	061	059	046	043	031	000	007	027
073	068	069	056	056	046	037	028	010	000	006	007	021
068	059	058	047	041	032	036	029	020	013	001	000	024
040	—	039	—	030	—	011	—	000	—	016	—	020
069	048	037	048	047	052	048	016	024	015	003	000	009
125	109	093	085	080	068	058	021	006	000	002	006	062
075	070	063	059	050	042	036	009	009	002	000	011	042
072	062	053	052	047	041	033	010	005	001	000	000	028
036	—	022	—	011	—	000	—	014	—	029	—	056
049	041	031	030	021	008	009	009	014	000	010	009	043
054	042	037	033	023	009	000	043	041	033	050	070	103
059	051	040	032	026	021	023	004	003	000	011	031	058
042	034	028	021	012	003	000	008	010	003	017	028	057
046	—	038	—	015	—	004	—	000	—	008	—	051
034	037	026	023	014	010	010	009	002	003	000	009	020
050	043	030	027	019	016	015	003	000	009	015	019	046
078	072	059	052	043	035	029	022	000	016	026	036	056
052	060	039	033	023	018	015	009	000	008	013	023	044

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

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
JULY.	1842	—	089	—	100	—	107	—	103	—	093	—
	1843	042	054	066	083	091	095	105	107	104	095	082
	1844	075	085	092	087	097	104	124	119	108	095	087
	1845	095	121	140	145	150	156	176	160	135	121	107
	Mean . . .	070	084	096	101	108	113	127	119	110	098	087
AUGUST.	1842	—	072	—	070	—	069	—	065	—	040	—
	1843	058	088	122	139	151	156	158	152	151	123	102
	1844	070	087	094	102	102	099	099	088	075	058	051
	1845	068	096	103	102	089	092	093	083	067	054	054
	Mean . . .	062	084	097	101	101	102	104	095	085	067	061
SEPTEMBER.	1842	078	090	112	112	111	109	104	093	090	076	069
	1843	055	082	106	112	117	112	115	109	088	062	057
	1844	058	086	104	105	108	101	105	085	063	046	044
	1845	060	099	106	111	109	093	111	097	082	067	063
	Mean . . .	051	077	095	098	099	092	097	084	069	051	046
OCTOBER.	1842	017	035	050	071	092	086	008	097	080	083	070
	1843	037	060	090	112	117	120	121	112	087	052	061
	1844	044	074	100	126	147	145	141	122	106	086	071
	1845	065	094	132	155	162	162	152	127	100	090	074
	Mean . . .	032	057	084	107	121	119	097	106	084	069	060
NOVEMBER.	1842	004	006	016	029	056	065	068	090	085	082	088
	1843	064	088	106	129	138	153	155	143	112	099	091
	1844	017	025	070	097	116	117	121	111	097	085	070
	1845	016	034	057	081	102	101	091	076	058	039	028
	Mean . . .	014	027	051	073	092	098	098	094	077	065	058
DECEMBER.	1842	004	024	028	032	039	045	042	043	036	032	044
	1843	048	088	109	139	165	177	174	159	133	116	110
	1844	064	089	116	138	166	160	171	158	144	127	109
	1845	091	117	141	178	188	192	178	163	135	110	105
	Mean . . .	042	070	089	112	130	134	131	121	102	086	082

VERTICAL COMPONENT OF THE MAGNETIC FORCE.

53

months from 1842 to 1845, in parts of the Force—continued.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
071	—	026	—	008	—	011	—	000	—	015	—	048
073	055	047	047	035	040	027	026	014	011	000	000	030
069	062	054	051	047	038	027	018	017	000	031	041	061
087	079	061	054	042	039	027	020	014	000	010	027	036
072	058	044	040	030	029	020	015	008	000	011	020	041
041	—	029	—	015	—	012	—	000	—	016	—	037
090	066	059	051	043	036	027	017	008	000	003	003	020
041	035	031	029	024	019	007	000	004	005	029	052	057
037	029	028	023	016	011	012	003	003	000	010	013	036
050	039	035	030	023	018	013	004	002	000	013	022	036
104	098	095	093	093	095	091	076	060	046	000	009	066
050	036	028	026	024	026	023	020	014	000	027	036	015
041	035	030	028	029	021	017	025	010	000	040	061	042
045	030	021	024	019	015	014	006	003	000	012	031	040
048	038	032	021	029	027	024	020	010	000	008	022	029
073	060	070	058	047	038	059	037	046	029	010	000	001
040	036	036	033	029	016	011	017	006	010	000	000	021
065	055	048	046	042	035	026	014	000	005	016	018	034
065	062	053	048	040	041	034	032	014	000	011	027	043
052	044	043	037	031	024	024	016	008	002	000	002	016
088	069	048	055	051	085	048	045	048	043	037	025	000
070	074	069	058	043	041	035	029	018	021	000	012	041
059	058	051	045	036	033	031	036	014	000	007	009	063
054	047	043	033	029	024	017	016	007	008	000	003	005
057	051	042	037	029	035	022	021	011	007	000	001	016
034	018	020	018	013	010	012	022	004	015	000	000	015
079	065	049	051	035	031	025	028	031	009	000	003	015
095	084	067	057	045	033	024	030	018	015	000	051	063
099	095	083	078	072	065	057	053	047	000	039	042	063
067	056	045	041	031	025	020	023	015	000	000	014	029

TABLE XV.—Showing the mean Diurnal Variation of the Vertical Force in each Month of the Year, derived from the preceding Table.

St. Helena Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	Astronomical Reckoning.
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
January . . . . .	032	054	086	099	132	140	140	132	118	103	094	085	January.
February . . . . .	032	051	087	121	136	151	148	143	134	117	110	101	February.
March . . . . .	029	056	089	100	100	104	105	106	097	080	086	068	March.
April . . . . .	073	094	113	123	132	128	124	121	122	091	101	072	April.
May . . . . .	073	092	096	102	100	099	095	092	079	069	056	042	May.
June . . . . .	061	075	084	087	091	094	096	088	077	066	056	052	June.
July . . . . .	070	084	096	101	108	113	127	119	110	098	087	072	July.
August . . . . .	062	084	097	101	101	102	104	095	085	067	061	050	August.
September . . . . .	051	077	095	098	099	092	097	084	069	051	046	048	September.
October . . . . .	032	057	084	107	121	119	097	106	084	069	060	052	October.
November . . . . .	014	027	051	073	092	098	098	094	077	065	058	057	November.
December . . . . .	042	070	089	112	130	134	131	121	102	086	082	067	December.
April to Sept. inclusive	064	082	095	100	103	103	105	098	088	072	066	054	
Oct. to March inclusive	027	050	078	099	115	121	117	114	099	084	079	069	
Mean of the whole Year	040	061	082	095	104	107	106	101	089	073	068	057	
	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
January . . . . .	069	062	053	042	042	040	036	031	011	010	000	017	January.
February . . . . .	093	080	076	062	058	047	056	055	046	037	000	012	February.
March . . . . .	059	058	047	041	032	036	029	020	013	001	000	024	March.
April . . . . .	062	053	052	047	041	033	010	005	001	000	000	028	April.
May . . . . .	034	028	021	012	003	000	008	010	003	017	028	057	May.
June . . . . .	060	039	033	023	018	015	009	000	008	013	023	044	June.
July . . . . .	058	044	040	030	029	020	015	008	000	011	020	041	July.
August . . . . .	039	035	030	023	018	013	004	002	000	013	022	036	August.
September . . . . .	038	032	021	029	027	024	020	010	000	008	022	029	September.
October . . . . .	044	043	037	031	024	024	016	008	002	000	002	016	October.
November . . . . .	051	042	037	029	035	022	021	011	007	000	001	016	November.
December . . . . .	056	045	041	031	025	020	023	015	000	000	014	029	December.
April to Sept. inclusive	047	037	031	025	021	016	009	004	000	008	017	037	
Oct. to March inclusive	059	052	046	036	033	029	028	020	010	005	000	016	
Mean of the whole Year	048	040	034	026	022	018	014	007	000	002	004	022	

## MAGNETIC INCLINATION.

THE observations of inclination comprised in this volume extend over a period of nearly six years, having been commenced in April, 1840. From that date, until June, 1841, one observation at least was made in each month; and since June, 1841, in consequence of a supplemental instruction of the Royal Society, dated in January, 1841, two determinations have been made weekly, viz. on Tuesday in the forenoon, and on Friday in the afternoon, at times not less than three hours from noon. Several instruments were at different times used in these determinations. To render the results more strictly comparable, a very necessary precaution (more particularly at St. Helena) was taken, viz. that the entire series should be made on the same spot. The instruments were at first used in the open air; but on the receipt of the instruction directing observations to be made twice in each week, a shed was built over the spot on which they had been previously made, and on which they have since been invariably made.

The needles were at first magnetised by passing the bar magnets over each face from the axles to the ends. This mode was discontinued in October, 1842, when a pair of powerful compound magnets, on Dr. Scoresby's principle, having been received, and fixed vertically in a wooden frame, the needle was magnetised by being drawn lightly over the ends of the bars.

The different instruments employed were as follows:—a 9-inch circle, by Robinson, furnished with two needles, was in use from the commencement in 1840, until August, 1841, the needles being observed with indifferently: from August, 1841, until January, 1844, a 6-inch circle, also by Robinson, was in constant use, and the same needle (No. 1) invariably employed: in the beginning of 1844 a new 9-inch inclinometer, by Barrow, was received, with which the observations continued to be made until the close of 1846, the same needle being at all times used: a fourth inclinometer, also by Barrow, has since been supplied, and is employed at the present time, in addition to the last-named 9-inch inclinometer.

Table XV. contains the mean results in each month from April, 1840, to December, 1845: they are not all, however, entitled to an equal degree of weight, as the first portion, viz. until June, 1841, rest generally upon single observations, while the remainder are means of from 7 to 9.



TABLE XVI.

Mean values of the Inclinometer observed in the several Months from April 1840 to December 1845 inclusive.

MONTHS.	1840	1841	1842	1843	1844	1845
January . . . . .	—	—21 31·8	—21 10·3	—21 34·6	—21 52·0	—21 47·7
February . . . . .	—	—21 42·3	—21 19·6	—21 38·9	—	—21 47·9
March . . . . .	—	—21 22·4	—21 30·9	—21 43·2	—	—21 52·2
April . . . . .	—21 18·0	—21 19·4	—21 32·4	—21 45·1	—21 55·8	—21 56·0
May . . . . .	—21 07·9	—21 33·4	—21 25·6	—21 42·1	—21 57·0	—21 55·6
June . . . . .	—21 14·8	—21 13·8	—21 25·8	—21 44·0	—21 53·5	—21 56·5
July . . . . .	—21 34·6	—21 24·7	—21 13·1	—21 49·0	—22 00·3	—21 58·3
August . . . . .	—21 25·6	—21 32·2	—21 17·5	—21 48·5	—22 03·2	—21 59·9
September . . . . .	—21 17·9	—21 18·7	—21 23·9	—21 48·5	—21 57·5	—21 58·2
October . . . . .	—20 48·4	—21 20·0	—21 34·3	—21 49·4	—21 55·3	—21 59·9
November . . . . .	—21 21·8	—21 34·4	—21 32·2	—21 50·3	—21 54·1	—21 55·8
December . . . . .	—21 06·6	—21 23·8	—21 34·3	—21 51·1	—21 50·7	—21 57·9

*Secular Change.*—On a cursory inspection of the preceding table it is obvious that the south dip is increasing at St. Helena. To obtain the most probable value of the rate of increase, we may derive from each monthly mean an equation of the form  $\theta = \theta' + a y$ , in which  $\theta'$  is the most probable value of the inclination in January, 1843,  $y$  the monthly variation occasioned by secular change,  $\theta$  the mean observed inclination in any other month, and  $a$  the interval in months between the date of  $\theta$  and January, 1843: and as the mean inclinations until June, 1841, are derived from fewer observations in each month than was the case subsequently, we shall obtain a better approximation to the most probable values which we seek, by giving only half weight to the determinations to that period inclusive. The 67 equations thus weighted, and treated by the method of least squares, give  $\theta' = -21^{\circ} 36' 9''$  and  $y = -0' 747$ ; this value of  $y$  being equal to a mean secular increase of south dip in each year of  $8' 96''$ .

*Annual Variation.*—On the supposition that the secular change takes place to an equal amount in each year, within the limits of time over which the observations extend, and also that it is uniformly distributed in the different months of the year, we have for the most probable value of the inclination in each month corresponding to the whole body of the observations  $\theta'_1 = -21^{\circ} 36' 9'' - 0' 747 a_1$ ,  $\theta'_2 = -21^{\circ} 36' 9'' - 0' 747 a_2$ , &c. in which  $a_1, a_2$ , &c., are the intervals expressed in months from January, 1843, negative if antecedent and positive if subsequent to that period. The differences between the most

probable values thus obtained, and the values actually observed in each month, are the data by which, if the observations were sufficiently good, we might judge of the existence or otherwise of an annual variation. The following table contains these differences for each month in the years 1840 to 1845 inclusive; the sign + signifies that the south dip observed is greater, and — that it is less, than the most probable value assigned to that month by the general body of the observations.

TABLE XVII.

MONTHS.	1840	1841	1842	1843	1844	1845	Mean.
January . . . .	—	+12·8	-17·6	-2·3	+6·1	-7·1	-1·6
February . . . .	—	+22·6	-9·1	+1·3	—	-7·7	+1·8
March . . . . .	—	+1·9	+1·5	+4·8	—	-4·1	+1·0
April . . . . .	+5·7	-1·8	+2·2	+6·0	+7·7	-1·1	+3·1
May . . . . .	-5·1	+11·4	-5·3	+2·2	+8·1	-2·2	+1·5
June . . . . .	+1·0	-8·9	-5·9	+3·4	+3·9	-2·1	-1·4
July . . . . .	+20·1	+1·2	-19·3	+7·6	+10·0	-1·0	+3·1
August . . . . .	+10·3	+8·0	-15·7	+6·4	+12·1	-0·2	+3·5
September . . . .	+1·9	-6·3	-10·0	+5·6	+5·7	-2·6	-1·0
October . . . . .	-28·3	-5·7	-0·4	+5·8	+2·7	-1·6	-4·6
November . . . .	+4·3	+8·0	-3·2	+5·9	+0·8	-6·5	+1·5
December . . . .	-11·4	-3·4	-1·9	+6·0	-3·4	-5·1	-3·2

We may infer from this table the probability, that the fundamental supposition of a uniform progression in the secular change in the different months of the year is correct, or very nearly so; and that there is little, if any, annual variation; but the differences in the several months, when examined in detail, are too considerable to admit of a conclusive deduction. The inferiority of the first portion of the monthly determinations, viz. of those from the commencement of the series to June 1841, is shewn by this table to be very considerable; and it may be worth while, therefore, to examine the conclusions which might be obtained in the same manner from the subsequent observations taken separately. With the monthly means from July 1841 to December 1845, inclusive, we obtain 52 equations, which give  $\theta$  for January 1843  $-21^{\circ} 36' 1$ , and  $y = -0' 80$ ; making the annual increase of south dip from secular change  $9' 6$ . Recomputing with these values, we have the table of differences between the actual observations, and the most probable monthly values on the supposition of uniformity in the secular change, as follows:—

TABLE XVIII.

MONTHS.	1841	1842	1843	1844	1845	Mean.
January . . . . .	—	-16.2	-1.5	+6.3	-7.6	-4.7
February . . . . .	—	-7.7	+2.0	—	-8.2	-4.6
March . . . . .	—	+2.8	+5.5	—	-4.7	+1.2
April . . . . .	—	+3.5	+6.6	+7.7	-1.7	+4.0
May . . . . .	—	-4.1	+2.8	+8.1	-2.9	+1.0
June . . . . .	—	-4.7	+3.9	+3.8	-2.8	0.0
July . . . . .	+3.0	-18.2	+8.1	+9.8	-1.8	0.0
August . . . . .	+9.7	-14.6	+6.8	+11.9	-1.0	+2.6
September . . . . .	-4.6	-9.0	+6.0	+5.4	-3.5	-1.1
October . . . . .	-4.1	+0.6	+6.1	+1.4	-2.6	+0.3
November . . . . .	+9.5	-2.3	+6.2	-0.6	-7.5	+1.1
December . . . . .	-1.9	-1.0	+6.2	-4.8	-6.2	-1.5

We do not find, by the comparison of Tables XVII. and XVIII., that the greater irregularities in the first portion of the series masked any systematic character, which the column of mean differences would have shown without them. The inferences which we may draw from Table XVIII. are the same as those already stated in the remarks on Table XVII., viz. the probability, that the supposition on which both tables are founded, of an equable distribution of the secular change in the different months of the year, is correct, or very nearly so; as well as that there is little, if any, annual variation; but the partial differences are still too great to justify any positive conclusion. It is proper to accompany the admission,—that the observations of the inclination at St. Helena to the close of 1845 are less satisfactory than could be wished,—with a remark that it has not been occasioned by a deficiency of time bestowed on this branch of the observations by the Director, who, on the contrary, appears to have given to them even an unusual portion of attention; neither has there been any want of care in furnishing him with instruments from which better results might have been anticipated, as four inclinometers, by the most approved makers, have successively been supplied. It may be inferred from the bifilar observations, that irregularities of such frequency and amount as those which appear in Tables XVII. and XVIII. must be ascribed to instrumental or to other errors in the use of the inclinometer, rather than to actual changes in the magnetic inclination itself. The inclinometer in use since the commencement of 1847 was carefully tried before it was sent out, and is certainly a very superior instrument, and the Director expresses himself well satisfied with it. It may be hoped that the observations of 1846, 1847, and 1848, conjointly with those contained in this volume, will furnish

materials from which a conclusive judgment may be hereafter formed on the points which have been here discussed.

*Absolute Values of the Inclination and Force at the usual observing station at Sister's Walk, near James Town.*—The distance of Longwood from the anchorage at St. Helena renders it less conveniently accessible to voyagers furnished with magnetic instruments, and desirous of comparing their results with those of other observers, than is the spot selected by Sir James Clark Ross as an observing station, in February, 1840, before the occupation of Longwood as a magnetic observatory: it appeared therefore desirable to determine with some precision the value of the magnetic force at Sir James Ross's station, and the observations now to be related were made by Captain Smythe, R.A., for that purpose, in October, 1846. Captain Smythe employed, for the determination of the absolute horizontal force, the portable unifilar magnetometer, described in page 7 of Captain Riddell's supplement to the instructions for the use of portable magnetic instruments, having magnets of the respective lengths of 3·00in. and 3·67in.; and for the inclination, the 9in. Observatory Inclinator, by Barrow. The spot on which the instruments were placed, is thus described in Captain Smythe's report:—"Sir James Ross's observations were made upon a terrace, called The Sister's Walk, which runs along the face of the rocky precipice forming the eastern boundary of the Government gardens, and which is also the eastern side of the ravine in which James Town stands. I was unable to ascertain the precise spot where Sir James's instruments had been set up, after making inquiry of such persons as were likely to have the most distinct recollection of his visit; but I think the position which I finally fixed upon cannot be many yards from the true one. It is on the Sister's Walk, a few feet to the south of a flight of stone steps of Island Red-Stone, which commences a path leading up the rocks. A row of Peepul trees is planted along the walk, and the tent under which the instruments were placed, was pitched in the interval between the first and second tree from the steps. I intend to mark, by stones imbedded in mortar, and bearing short inscriptions, the spots where the inclinometer and unifilar stood."

The following table contains the particulars of the Observations, and the results as computed by Captain Smythe, and transmitted from St. Helena.

TABLE XIX.

DATE.		Experiments of Deflection.		Experiments of Vibration.			Reduced to a Uniform Temperature, and a Mean Reading of the Bifilar Magnetometer.	
		Distances.	Angles of Deflection.	Observed Time of one Vibration.	Rate of Chronometer.	Value of $\frac{H}{F}$	m	X
1846	Hrs. Min.	Fet.	° ' "	Seconds.	Seconds.			
October 14	3 31	0·77	35 27·14	3·002	+3·0	0·00011	0·4237	5·9334
„ „	3 58	0·80	31 33·62	—	—	—	0·4239	5·9294
„ „	4 24	0·83	28 11·29	—	—	—	0·4239	5·9307
„ „	4 52	0·83	28 11·54	—	—	—	0·4239	5·9304
„ „	5 20	0·80	31 34·02	—	—	—	0·4238	5·9318
„ „	5 50	0·77	35 31·54	3·000	+3·0	0·00011	0·4237	5·9331
„ 15	0 07	0·77	35 25·50	2·999	+5·5	0·00011	0·4235	5·9268
„ „	0 32	0·80	31 28·54	—	—	—	0·4235	5·9263
„ „	0 58	0·83	28 08·83	2·998	+5·5	0·00011	0·4238	5·9220

The mean value of X from the partial results in this table is 5·9293; the inclination observed at the same spot was  $-19^{\circ} 23' 5''$ ; whence we obtain 6·287 as the value of the total force in absolute measure, at Sister's Walk, in October, 1846.

The total force at Longwood, derived from the observations on the horizontal component in page 18, and the mean inclination at the Observatory for the same epoch (August 1840, to June 1842), as nearly as that element can be inferred from the observations, is  $5·575 \times \sec. 21^{\circ} 45' = 6·002$ . Both the horizontal and total force are therefore much greater at Sister's Walk than at Longwood. A similar result was found in 1840, by Sir James Ross, with Mr. Fox's apparatus. The observations with this instrument (printed in the Phil. Trans. for 1842, page 20) gave the ratio of the total force at Sister's Walk 0·611 to 0·586 at Longwood; whence if the absolute value at Sister's Walk be taken at 6·287, Longwood would be 6·030. The results of Sir James Ross's observations of the inclination at Sister's Walk and at Longwood, show also nearly the same amount of difference in that element as do those of Captain Smythe at the two stations. Sir James Ross found the inclination in February, 1840, by the needle of Mr. Fox's apparatus (Face east and poles not inverted),

At Sister's Walk . . .  $-18^{\circ} 21' 2''$

At Longwood . . .  $-20^{\circ} 53' 1''$

Difference, Longwood greater . . .  $2^{\circ} 31' 9''$

The inclination found by Captain Smythe, in October, 1846, with Barrow's 9in. apparatus, the poles being inverted, and the needle employed in the eight usual positions, was  $-19^{\circ} 23' 5''$ ; the observations of the same period, at Longwood, with the same instru-

ment, have not yet been received at Woolwich; but we may assign an approximate value by means of the formula in page 57 ( $\theta' = -21^{\circ} 36' 1'' - 0' 8''$ ), viz.  $-22^{\circ} 12'$ . This would make the inclination at Longwood greater than at Sister's Walk, by  $2^{\circ} 48' 5''$ . We may conclude therefore that the magnetic force is considerably greater, and the inclination considerably less, at Sister's Walk than at Longwood. The effect of local influences, in modifying the values of the magnetic elements due to geographical position, may in this instance be regarded as thoroughly established, by the concurrence of two well-practised observers, furnished with different instruments, and experimenting (in the case of the magnetic force) by different methods.

Besides the observations of the inclination which Sir James Ross made at Sister's Walk and Longwood with Mr. Fox's needle, the poles of which were not reversed, and which therefore may be more relied on for the *difference* of the inclination at two contiguous localities, than for its absolute value at either, Sir James also observed the inclination at Sister's Walk with a needle, R 4, of which the poles were reversed; the result was  $-18^{\circ} 16' 1''$ , on the 4th of February, 1840. Captain Smythe's determination at or very near the same spot, on the 14th of October, 1846, was  $-19^{\circ} 23' 5''$ . If we regard the difference between these determinations as due to, and as a measure of, the secular change of the inclination in the interval, we have  $67' 4''$  divided by 6.7 years =  $10'$  as the annual amount of secular change; a value which scarcely differs from that derived, in page 57, from the series of the Longwood Observations.

We may consider Sister's Walk as supplying an important station for future determinations of the progress of the secular change of the inclination at St. Helena, when the Observatory at Longwood shall be discontinued. The amount of the annual increase of south dip at the present time is unusually large (though there is reason to believe that it is surpassed by the amount of annual change in the Bight of Benin); the progress of the change in future years is therefore deserving of particular attention.

The values of the horizontal force, which have been given in the preceding pages, are all uncorrected for the slight difference in the magnetic moment of the deflecting magnet, in its two positions,—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. Both the horizontal and the total values (the latter being derived from the former) would probably be slightly diminished by the correction which may be due on this account; but the amount of the correction, which varies in different magnets, has not yet been ascertained for those employed at St. Helena. By experiments which have been recently made at Woolwich, with a magnet similar in dimensions, and furnished by the same maker as the deflecting magnet of the St. Helena portable unifilar, the ratio of the inductive force at its maximum, to the permanent magnetic moment, was found to be  $0.0045$  to 1. It is probable that the ratio will be much the same in the St. Helena magnet, which is of similar material and dimensions;

and in such case the correction of the horizontal and total force at St. Helena will have its first significant figure in the third place of decimals.\*

The total force at Longwood and Sister's Walk expressed in absolute measure and uncorrected for the inductive influence which has been just referred to, is 6.002, and 6.287; these values are equivalent in the arbitrary scale to 0.7930 at Longwood, and 0.8307 at Sister's Walk. The value given in my report on the variations of the magnetic intensity (Reports of the Brit. Assoc., 1837), was 0.836, derived from Captain Fitzroy's observations, in 1836, which are stated to have been made at James Town, and probably therefore not far from the precise spot on Sister's Walk adopted by Captain Smythe. The total force in absolute measure, at St. Helena, is an important determination, because it is without doubt very nearly the minimum of force at the surface of the earth in the present state of the magnetism of the globe.

\* These experiments were made with an apparatus on the same general plan as that described by Dr. Lamont in the 'Resultate des Magnetischen Observatoriums in München, 1843-1845,' pp. 15 and 16, but adapted to the ordinary English induction inclinometer, which has a suspended magnet of 2.45 inches in length. The magnet, of which the induction coefficient  $\frac{\mu}{m}$  ( $m$  being the permanent moment and  $\mu$  the induced moment) was ascertained, is one of those employed by Captain Lefroy in the North American Survey, and in determining the absolute horizontal force at Toronto and at Woolwich; Phil. Trans., 1846, Art. XVII. Five experiments were made, of which the results are given in the following abstract. The coefficient is derived by the formula

$$\frac{\mu}{m} = \frac{\tan \frac{1}{2} \delta \phi}{X \tan \phi \tan \theta}$$

in which  $\theta$  is the inclination and  $X$  the horizontal force (68° 55'.4, and 3.728 at Woolwich),  $\phi$  the mean deflection, and  $\delta \phi$  the difference between the deflections when the north pole of the magnet is uppermost and when it is lowermost, the magnet being in both cases retained in a vertical position.

*Woolwich. Experiments made by Captain Younghusband, R.A., with Captain Lefroy's Survey Magnet No. 30.*

DATE.	Distances from the Centre of the Suspended to that of the Deflecting Magnet.		Values of		
	Measured on the Horizontal Plane.	Measured on the Vertical Plane.	$\phi$	$\delta \phi$	$\frac{\mu}{m}$
1847	Inches.	Inches.	° / "	° / "	
April 28	5.75	3.25	47 01 46	0 30 16	.00042
„ 28	5.25	3.00	65 46 56	1 22 17	.00056
June 8	5.50	4.00	49 40 58	0 33 13	.00042
„ 9	5.00	4.75	45 38 57	0 32 48	.00048
„ 9	5.65	3.00	46 42 05	0 25 49	.00037
Mean . . . . .					.00045

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

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METEOROLOGICAL INSTRUMENTS.





## ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

### METEOROLOGICAL INSTRUMENTS.

THE standard barometer, the standard thermometer, and the wet and dry thermometers with which the Observatory at St. Helena was furnished, were similar in all respects to those which have been described in the volume of the Toronto Observations for 1840-42, as being in use in that Observatory. By very careful and repeated comparisons made in July, 1839, with the standard barometer in the Royal Society's apartments in London, the St. Helena barometer was found to read 0<sup>m</sup>.009 lower than the flint-glass standard of the Royal Society. The attached thermometer, the ball of which is immersed in the cistern, was found, by comparison with the standard thermometer, to require an index correction of + 1°.4. As the whole range of temperature throughout the year to which the column of mercury is exposed was under 10°, we may consider the erroneous graduation of the thermometer as causing a constant error of + .002 in the barometric readings reduced to 32°; which therefore require a correction to be applied of (+ .009 - .002) = + .007 to bring them into strict comparison with the Royal Society's standard. This correction has not been applied in the tables. On a careful examination of the barometric observations to the end of 1845, there appears no reason to suppose that the barometer has suffered any deterioration whatsoever since the commencement of the registry: this, however, is a point which will be strictly examined by means of intermediate portable barometers, which will be sent from England for that purpose before the instruments are removed from their present positions. The height of the cistern above low-water mark, ascertained by levelling, was 1746 feet in May, June, and July, 1840; and 1765 feet subsequently. Longwood is situated on an elevated plain near the windward (S.E.) side of the island, and about three miles distant from the sea; the intervening ground is a naked and barren plain, in which one point only (Great Stone Top) is higher than Longwood itself.

The distance of St. Helena from the nearest point of land on the coast of Africa is 1140 miles; and the prevailing S.E. or trade wind is wholly a sea wind.

The thermometers were fixed to horizontal wooden battens, the balls being quite free. They were placed in front of a window (through which they were read), under a deep verandah on the south side of the Observatory, and were screened by the form of the building from all but a south-eastern aspect.

Tables XX. to XXIII. contain abstracts of the observations of temperature and of the atmospheric pressure, and of the results of the observations of the wet and dry thermometers, in the form of tables of the tension of the vapour and of the degree of humidity, for each month from September, 1840, to December, 1845, inclusive; the elastic force of the vapour, and the degree of humidity of the air, have been computed by means of M. Kupffer's Tables. Table XXIV. contains the force of the wind in lbs. pressure, derived from Osler's anemometer in 1844 and 1845, after it had been established on the top of Longwood House and had been furnished with improved springs.

TABLE XX.—Monthly Means of the Temperature at every Second Hour from September, 1840, to

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	
JANUARY.	1841	—	67·99	—	67·59	—	65·26	—	62·62	—	61·84	—	61·59
	1842	—	68·04	—	67·85	—	66·04	—	62·95	—	62·45	—	62·05
	1843	68·50	69·05	68·69	68·61	68·09	66·91	65·52	64·53	63·83	63·46	63·30	63·08
	1844	68·53	68·67	68·84	68·51	68·25	67·08	65·56	64·39	64·00	63·73	63·51	63·40
	1845	66·01	66·48	66·86	66·40	66·03	64·93	63·65	62·47	62·02	61·60	61·36	61·24
Hourly Means	67·68	68·05	67·93	67·79	67·30	66·04	64·58	63·39	62·93	62·62	62·42	62·27	
FEBRUARY.	1841	—	69·03	—	69·20	—	67·62	—	64·98	—	64·14	—	63·71
	1842	—	68·44	—	68·46	—	66·77	—	64·72	—	64·28	—	64·03
	1843	69·74	70·33	70·63	70·36	69·65	68·30	67·02	65·78	65·22	64·93	64·79	64·68
	1844	70·75	71·12	71·07	70·77	70·15	69·23	68·03	66·96	66·48	66·25	66·07	65·91
	1845	68·43	69·12	69·48	69·17	68·51	67·53	66·00	64·70	64·07	63·71	63·45	63·27
Hourly Means	69·14	69·61	69·85	69·59	68·95	67·89	66·59	65·43	64·91	64·66	64·46	64·32	
MARCH.	1841	—	69·54	—	69·31	—	67·69	—	65·67	—	65·05	—	64·76
	1842	—	70·61	—	70·87	—	68·67	—	66·15	—	65·34	—	65·11
	1843	67·66	67·93	68·15	68·03	67·47	66·68	65·76	65·04	64·74	64·52	64·43	64·29
	1844	71·05	71·61	72·05	72·00	71·51	70·59	69·18	67·97	67·47	67·03	66·82	66·55
	1845	67·67	68·16	68·58	68·35	67·86	66·89	65·50	64·39	64·08	63·82	63·59	63·42
Hourly Means	69·13	69·57	69·89	69·71	69·10	68·10	66·86	65·84	65·47	65·15	65·00	64·83	
APRIL.	1841	—	68·69	—	68·58	—	66·84	—	64·86	—	64·40	—	64·02
	1842	—	68·57	—	68·10	—	66·13	—	64·47	—	64·15	—	63·91
	1843	67·62	68·05	67·89	67·56	67·07	66·09	65·13	64·51	64·26	64·10	63·98	63·85
	1844	70·05	70·59	70·86	70·48	69·83	68·98	67·74	67·02	66·61	66·21	65·99	65·82
	1845	68·19	68·53	68·74	68·48	67·86	66·87	65·63	64·90	64·48	64·21	64·04	63·84
Hourly Means	68·54	68·89	68·98	68·64	67·99	66·98	65·84	65·15	64·84	64·61	64·45	64·29	
MAY.	1841	—	66·23	—	66·08	—	64·15	—	62·49	—	62·02	—	61·73
	1842	—	67·35	—	66·75	—	64·46	—	66·73	—	62·56	—	62·46
	1843	63·47	63·93	64·03	63·84	63·29	62·39	61·43	61·31	61·18	61·01	60·87	60·65
	1844	66·53	66·67	66·79	66·69	66·19	65·28	64·08	63·47	63·33	63·13	62·96	62·80
	1845	65·63	65·87	66·08	65·86	65·26	64·26	63·26	62·61	62·21	61·93	61·88	61·76
Hourly Means	65·76	66·01	66·09	65·84	65·17	64·11	63·56	63·32	62·73	62·13	62·03	61·88	
JUNE.	1841	—	63·49	—	63·31	—	61·58	—	60·10	—	59·85	—	59·46
	1842	—	62·85	—	62·44	—	60·58	—	59·17	—	58·64	—	58·57
	1843	61·08	61·25	61·38	61·02	60·46	59·72	58·98	58·75	58·52	58·32	58·15	58·06
	1844	63·21	63·74	63·64	63·34	62·93	62·09	61·30	60·80	60·74	60·63	60·49	60·49
	1845	62·20	62·49	62·28	61·85	61·53	60·95	60·11	59·59	59·35	59·26	59·14	58·95
Hourly Means	62·40	62·76	62·73	62·39	61·83	60·98	60·14	59·68	59·49	59·34	59·20	59·11	

METEOROLOGICAL OBSERVATIONS.

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August 1842, inclusive, and at every hour from September, 1842, to December, 1845, inclusive.

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

TABLE XX.—*Monthly Means of the Temperature at every Second Hour from September, 1840, to*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	
JULY.	1841	—	61·83	—	61·48	—	59·70	—	58·19	—	57·81	—	57·60
	1842	—	60·67	—	60·02	—	58·31	—	56·86	—	56·33	—	56·15
	1843	59·51	60·07	60·18	59·90	59·25	58·42	57·65	57·21	57·02	56·83	56·65	56·35
	1844	60·76	60·92	60·81	60·70	60·16	59·26	58·50	58·29	58·12	57·93	57·75	57·54
	1845	60·12	60·65	60·66	60·43	59·92	59·21	58·43	57·97	57·66	57·36	57·19	56·89
Hourly Means	60·37	60·83	60·77	60·51	59·87	58·98	58·14	57·70	57·48	57·25	57·13	56·91	
AUGUST.	1841	—	61·36	—	61·09	—	59·32	—	57·77	—	57·45	—	57·16
	1842	—	59·99	—	59·82	—	57·71	—	56·59	—	56·22	—	55·87
	1843	59·35	59·88	60·09	59·81	59·23	58·13	56·97	56·39	56·01	55·83	55·77	55·64
	1844	59·46	59·77	59·83	59·37	58·79	58·00	57·23	56·94	56·85	56·67	56·53	56·46
	1845	58·76	58·95	58·98	58·50	58·15	57·38	56·73	56·46	56·20	56·09	55·96	55·86
Hourly Means	59·68	59·99	60·12	59·72	59·11	58·11	57·23	56·83	56·60	56·45	56·32	56·20	
SEPTEMBER.	1840	—	59·93	—	59·52	—	57·57	—	56·03	—	55·64	—	55·26
	1841	—	60·97	—	60·35	—	58·46	—	56·78	—	56·53	—	56·29
	1842	60·99	61·54	61·45	60·85	59·97	58·58	57·46	56·97	56·90	56·68	56·47	56·36
	1843	59·75	60·08	59·85	59·59	58·99	58·04	57·01	56·53	56·26	56·21	55·95	55·76
	1844	59·53	59·89	59·98	59·61	59·10	58·15	57·28	56·92	56·70	56·50	56·40	56·29
1845	58·57	59·13	59·06	58·72	58·24	57·35	56·56	56·12	55·87	55·67	55·58	55·47	
Hourly Means	59·89	60·26	60·18	59·77	59·11	58·03	57·05	56·56	56·35	56·21	56·04	55·91	
OCTOBER.	1840	—	62·67	—	61·67	—	59·60	—	57·66	—	57·25	—	56·92
	1841	—	61·89	—	60·95	—	58·63	—	56·89	—	56·45	—	56·17
	1842	62·04	62·54	62·52	61·83	60·76	59·39	58·03	57·51	57·25	57·12	57·04	56·86
	1843	60·28	60·73	60·66	60·31	59·44	58·38	57·29	56·78	56·52	56·32	56·20	56·09
	1844	60·93	61·37	61·26	60·86	60·29	59·39	58·45	57·87	57·55	57·31	57·12	57·07
1845	62·09	62·66	62·89	62·21	61·53	60·47	59·43	58·73	58·43	58·27	58·17	57·91	
Hourly Means	61·50	61·98	61·91	61·31	60·46	59·31	58·18	57·57	57·64	57·12	56·99	56·84	
NOVEMBER.	1840	—	65·18	—	64·37	—	61·78	—	59·37	—	58·89	—	58·58
	1841	—	65·45	—	65·09	—	62·33	—	59·73	—	59·29	—	58·86
	1842	63·84	64·03	64·45	63·98	63·07	61·86	60·32	59·46	59·11	58·79	58·63	58·50
	1843	62·51	62·84	62·97	62·85	62·21	61·24	59·95	59·15	58·71	58·56	58·40	58·23
	1844	62·04	62·73	62·69	62·37	61·50	60·19	58·89	58·29	58·01	57·83	57·70	57·50
1845	62·44	63·06	63·14	62·48	61·80	60·53	59·39	58·64	58·26	58·07	57·88	57·76	
Hourly Means	63·44	63·88	63·97	63·52	62·63	61·32	59·94	59·11	58·76	58·57	58·41	58·24	
DECEMBER.	1840	—	66·35	—	66·37	—	63·68	—	60·86	—	60·31	—	60·01
	1841	—	67·52	—	67·52	—	64·58	—	61·70	—	61·16	—	60·89
	1842	65·19	65·84	65·74	65·62	65·12	63·81	62·30	61·16	60·69	60·41	60·07	59·85
	1843	65·29	65·89	66·06	65·92	65·22	64·35	62·94	62·08	61·65	61·36	61·18	61·09
	1844	64·13	64·75	64·85	64·72	64·06	63·03	61·62	60·50	60·08	59·80	59·65	59·44
1845	64·06	64·52	64·43	64·14	63·43	62·26	61·13	60·29	59·95	59·74	59·59	59·46	
Hourly Means	65·19	65·81	65·87	65·72	64·88	63·62	62·17	61·10	60·70	60·46	60·27	60·12	

METEOROLOGICAL OBSERVATIONS.

August, 1842, inclusive; and at every Hour from September, 1842, to December, 1845, inclusive—continued.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
—	57.43	—	57.23	—	57.08	—	57.06	—	59.09	—	60.72	58.78
—	56.08	—	55.97	—	55.78	—	55.84	—	57.67	—	59.29	57.39
56.26	56.21	56.00	55.97	55.96	55.98	55.83	55.98	56.55	57.40	58.20	58.97	57.43
57.39	57.27	57.06	56.89	56.83	56.79	56.77	56.73	57.40	58.43	59.33	59.96	58.40
56.75	56.62	56.59	56.48	56.32	56.19	56.19	56.27	56.89	57.88	58.58	59.51	57.98
56.81	56.72	56.60	56.51	56.43	56.36	56.31	56.38	57.07	58.09	58.90	59.69	57.99
—	57.01	—	56.70	—	56.52	—	56.72	—	58.54	—	60.34	58.33
—	55.76	—	55.37	—	55.07	—	55.16	—	57.22	—	59.14	56.99
55.35	55.20	55.04	54.98	54.81	54.89	54.67	54.83	55.48	56.58	57.56	58.49	56.71
56.46	56.40	56.17	56.10	56.01	55.87	55.79	55.89	56.40	57.13	57.81	58.71	57.28
55.77	55.55	55.32	55.24	55.12	55.15	55.03	55.21	55.68	56.62	57.39	58.13	56.59
56.10	55.98	55.76	55.68	55.53	55.50	55.39	55.56	56.20	57.22	58.07	58.96	57.17
—	55.07	—	54.87	—	54.74	—	55.14	—	57.07	—	59.12	56.66
—	56.10	—	55.79	—	55.64	—	55.85	—	57.60	—	60.18	57.56
56.17	56.02	55.86	55.72	55.64	55.59	55.63	55.93	56.79	58.03	59.33	60.16	57.70
55.61	55.55	55.48	55.35	55.22	55.12	55.11	55.32	55.91	56.74	57.87	58.76	56.92
56.16	56.13	55.93	55.75	55.65	55.56	55.56	55.66	56.25	57.39	58.21	58.72	57.22
55.33	55.15	54.89	54.75	54.68	54.58	54.59	54.71	55.30	56.24	57.14	57.88	56.31
55.82	55.67	55.51	55.37	55.29	55.21	55.24	55.44	56.12	57.18	58.31	59.14	57.07
—	56.66	—	56.40	—	56.12	—	57.00	—	59.51	—	61.48	58.58
—	55.77	—	55.56	—	55.48	—	56.00	—	58.16	—	60.63	57.72
56.67	56.51	56.32	56.17	55.99	55.97	56.01	56.52	57.61	58.98	60.48	61.70	58.41
55.84	55.58	55.40	55.28	55.17	55.09	55.12	55.51	56.31	57.36	58.40	59.37	57.23
56.89	56.76	56.52	56.43	56.43	56.23	56.23	56.46	57.09	58.29	59.24	59.99	58.17
57.69	57.60	57.45	57.26	57.26	57.16	57.07	57.49	58.26	59.34	60.15	61.19	59.19
56.64	56.48	56.30	56.18	56.11	56.01	56.06	56.50	57.38	58.61	59.71	60.73	58.23
—	58.30	—	58.01	—	57.79	—	58.67	—	61.39	—	63.81	60.51
—	58.45	—	58.23	—	58.03	—	58.67	—	61.31	—	63.91	60.77
58.35	58.13	57.96	57.88	57.77	57.69	57.78	58.34	59.22	60.59	61.85	62.75	60.18
58.09	57.96	57.62	57.51	57.41	57.35	57.44	57.83	58.63	59.58	60.55	61.32	59.54
57.37	57.16	57.02	56.93	56.92	56.74	56.79	57.13	57.85	59.01	59.90	61.02	58.90
57.57	57.42	57.25	57.13	57.10	56.98	57.00	57.53	58.22	59.29	60.44	61.31	59.20
58.08	57.90	57.71	57.62	57.55	57.43	57.53	58.03	58.94	60.20	61.35	62.35	59.85
—	59.59	—	59.38	—	59.27	—	59.88	—	62.78	—	65.03	61.96
—	60.52	—	60.17	—	60.15	—	60.68	—	63.22	—	65.26	62.76
59.82	59.59	59.39	59.36	59.19	59.13	59.19	59.53	60.31	61.47	62.72	63.88	61.64
60.82	60.64	60.49	60.41	60.27	60.21	60.35	60.61	61.38	62.39	63.49	64.48	62.44
59.24	59.06	58.87	58.69	58.55	58.49	58.54	58.94	59.77	61.12	62.11	63.50	60.97
59.28	59.09	58.93	58.83	58.68	58.63	58.58	58.97	59.75	60.85	61.81	62.97	60.81
59.95	59.75	59.57	59.47	59.34	59.31	59.39	59.77	60.69	61.97	63.03	64.19	61.77

TABLE XXI.—*Monthly Means of the Barometer at every Second Hour from September, 1840, to*

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

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	
JANUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1841	—	·234	—	·206	—	·198	—	·218	—	·246	—	·252
	1842	—	·237	—	·203	—	·197	—	·215	—	·249	—	·250
	1843	·256	·244	·229	·214	·206	·207	·215	·227	·242	·255	·264	·260
	1844	·256	·243	·227	·210	·204	·209	·219	·233	·247	·257	·264	·262
	1845	·275	·261	·246	·234	·225	·226	·236	·248	·261	·272	·280	·274
Hourly Means	·256	·244	·228	·213	·204	·207	·216	·228	·243	·256	·264	·260	
FEBRUARY.	1841	—	·247	—	·221	—	·214	—	·233	—	·258	—	·264
	1842	—	·212	—	·181	—	·173	—	·194	—	·225	—	·234
	1843	·233	·217	·203	·190	·182	·183	·189	·200	·216	·226	·237	·235
	1844	·238	·220	·203	·190	·183	·182	·190	·202	·218	·231	·241	·244
	1845	·271	·254	·237	·222	·214	·213	·221	·232	·248	·261	·271	·267
	Hourly Means	·247	·230	·215	·201	·193	·193	·201	·212	·228	·240	·249	·249
MARCH.	1841	—	·219	—	·192	—	·189	—	·212	—	·241	—	·242
	1842	—	·218	—	·189	—	·186	—	·208	—	·239	—	·247
	1843	·233	·212	·196	·181	·175	·178	·186	·201	·217	·234	·242	·240
	1844	·216	·197	·180	·167	·163	·166	·173	·187	·203	·219	·228	·224
	1845	·289	·270	·253	·242	·238	·239	·247	·258	·271	·283	·290	·285
	Hourly Means	·244	·223	·207	·194	·189	·192	·200	·213	·228	·243	·252	·248
APRIL.	1841	—	·216	—	·187	—	·195	—	·215	—	·245	—	·248
	1842	—	·228	—	·201	—	·205	—	·218	—	·249	—	·252
	1843	·268	·251	·233	·219	·217	·219	·225	·238	·254	·268	·274	·273
	1844	·243	·227	·210	·197	·196	·201	·207	·219	·236	·248	·251	·250
	1845	·287	·268	·253	·239	·237	·241	·248	·259	·274	·282	·286	·285
	Hourly Means	·256	·238	·222	·209	·208	·212	·218	·230	·246	·258	·263	·262
MAY.	1841	—	·267	—	·241	—	·245	—	·263	—	·287	—	·289
	1842	—	·274	—	·246	—	·251	—	·267	—	·290	—	·291
	1843	·307	·288	·272	·262	·261	·266	·275	·284	·300	·311	·313	·310
	1844	·272	·252	·235	·227	·225	·230	·237	·247	·260	·271	·275	·275
	1845	·304	·286	·268	·261	·260	·267	·273	·285	·298	·305	·307	·303
	Hourly Means	·292	·273	·256	·247	·246	·252	·259	·269	·283	·293	·296	·294
JUNE.	1841	—	·309	—	·286	—	·292	—	·307	—	·330	—	·333
	1842	—	·317	—	·293	—	·297	—	·309	—	·324	—	·326
	1843	·349	·331	·317	·311	·312	·320	·327	·338	·348	·355	·357	·352
	1844	·332	·314	·299	·294	·293	·301	·307	·316	·324	·332	·335	·331
	1845	·379	·361	·346	·340	·339	·335	·353	·363	·373	·382	·387	·381
	Hourly Means	·344	·326	·323	·305	·305	·309	·318	·327	·337	·345	·349	·345

METEOROLOGICAL OBSERVATIONS.

August, 1842, inclusive, and at every Hour from September, 1842, to December, 1845, inclusive.

Correction to the Royal Society's Flint-Glass Barometer + 0.007 inches.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	·223	—	·199	—	·210	—	·241	—	·260	—	·254	28·228
—	·220	—	·202	—	·221	—	·256	—	·269	—	·260	28·232
·247	·229	·217	·211	·210	·211	·235	·256	·267	·272	·271	·265	28·238
·245	·229	·217	·210	·213	·226	·244	·261	·270	·275	·271	·266	28·239
·259	·240	·226	·221	·222	·231	·249	·267	·279	·289	·292	·285	28·254
·245	·228	·216	·209	·212	·220	·239	·256	·267	·273	·273	·266	28·238
—	·236	—	·210	—	·212	—	·249	—	·274	—	·273	28·241
—	·203	—	·182	—	·196	—	·228	—	·247	—	·241	28·209
·224	·211	·198	·190	·192	·198	·211	·228	·243	·251	·252	·244	28·215
·233	·217	·203	·198	·198	·203	·216	·231	·244	·256	·255	·249	28·219
·255	·241	·225	·215	·216	·222	·235	·252	·268	·282	·283	·280	28·245
·237	·222	·208	·199	·202	·206	·220	·238	·252	·262	·263	·257	28·226
—	·220	—	·198	—	·204	—	·234	—	·260	—	·253	28·222
—	·226	—	·200	—	·208	—	·236	—	·264	—	·257	28·223
·230	·217	·203	·194	·189	·196	·207	·223	·239	·251	·252	·246	28·214
·213	·201	·188	·178	·175	·182	·192	·207	·223	·233	·235	·231	28·199
·275	·260	·247	·236	·234	·241	·252	·270	·290	·304	·307	·300	28·266
·238	·225	·211	·201	·199	·206	·217	·234	·251	·262	·264	·257	28·225
—	·256	—	·206	—	·207	—	·236	—	·260	—	·256	28·227
—	·234	—	·213	—	·219	—	·250	—	·274	—	·266	28·234
·266	·251	·239	·231	·226	·230	·244	·260	·277	·288	·296	·286	28·251
·243	·231	·217	·209	·207	·209	·223	·240	·258	·269	·274	·262	28·230
·277	·262	·251	·242	·240	·245	·261	·278	·294	·308	·314	·305	28·266
·258	·247	·232	·220	·218	·222	·237	·253	·269	·280	·286	·275	28·242
—	·272	—	·251	—	·258	—	·278	—	·307	—	·303	28·272
—	·274	—	·252	—	·259	—	·287	—	·314	—	·310	28·276
·302	·291	·282	·273	·269	·274	·283	·298	·312	·328	·332	·322	28·292
·268	·258	·249	·240	·238	·240	·250	·267	·284	·297	·300	·290	28·258
·295	·286	·276	·268	·266	·271	·281	·298	·312	·327	·330	·321	28·289
·286	·276	·267	·257	·256	·260	·270	·286	·302	·315	·318	·309	28·277
—	·319	—	·297	—	·295	—	·320	—	·352	—	·344	28·315
—	·312	—	·292	—	·295	—	·317	—	·352	—	·348	28·315
·343	·335	·320	·310	·309	·310	·319	·334	·351	·367	·370	·364	28·335
·325	·320	·309	·300	·299	·302	·310	·322	·339	·353	·356	·346	28·319
·374	·366	·354	·343	·340	·343	·352	·366	·384	·397	·400	·392	28·365
·336	·330	·319	·308	·307	·309	·318	·332	·349	·364	·367	·359	28·331



TABLE XXI.—*Monthly Means of the Barometer at every Second Hour from September, 1840, to August,*

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

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	
JULY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1841	—	·338	—	·313	—	·322	—	·333	—	·351	—	·353
	1842	—	·384	—	·364	—	·373	—	·391	—	·409	—	·409
	1843	·350	·334	·318	·311	·315	·324	·330	·339	·348	·355	359	·357
	1844	·377	·358	·343	·337	·340	·347	·354	·363	·373	·381	384	·381
	1845	·379	·365	·349	·345	·345	·353	·360	·370	·378	·385	387	·384
Hourly Means	·372	·356	·340	·334	·336	·344	·351	·359	·369	·376	·380	·377	
AUGUST.	1841	—	·329	—	·307	—	·314	—	·329	—	·350	—	·355
	1842	—	·357	—	·332	—	·339	—	·352	—	·373	—	·375
	1843	·366	·350	·337	·330	·332	·337	·345	·358	·369	·378	382	·378
	1844	·366	·348	·331	·320	·322	·330	·338	·350	·363	·370	372	·371
	1845	·364	·348	·333	·324	·322	·329	·336	·349	·363	·370	375	·374
	Hourly Means	363	·346	·332	·323	·324	·330	·336	·348	·360	·368	373	·371
SEPTEMBER.	1840	—	·308	—	·287	—	·294	—	·314	—	·339	—	·337
	1841	—	·307	—	·284	—	·285	—	·306	—	·328	—	·332
	1842	·316	·301	·284	·276	·275	·281	·291	·306	·320	·332	336	·332
	1843	·339	·322	·307	·296	·297	·306	·316	·330	·343	·355	357	·354
	1844	·303	·288	·272	·259	·260	·268	·276	·290	·306	·318	321	·317
	1845	·342	·327	·313	·303	·303	·309	·317	·329	·344	·353	355	·357
Hourly Means	·324	·309	·294	·284	·284	·291	·299	·313	·327	·338	340	·338	
OCTOBER.	1840	—	·240	—	·217	—	·220	—	·246	—	·271	—	·271
	1841	—	·262	—	·235	—	·236	—	·253	—	·287	—	·287
	1842	·297	·281	·264	·254	·252	·258	·266	·280	·291	·300	·306	·299
	1843	·296	·281	·269	·259	·254	·257	·268	·279	·291	·303	·308	·301
	1844	·300	·282	·269	·260	·258	·263	·273	·285	·300	·307	·313	·309
	1845	·309	·291	·277	·267	·264	·271	·283	·298	·311	·323	·329	·318
Hourly Means	·290	·273	·259	·249	·246	·251	·262	·274	·288	·299	·305	·298	
NOVEMBER.	1840	—	·261	—	·235	—	·230	—	·250	—	·278	—	·282
	1841	—	·232	—	·202	—	·194	—	·217	—	·246	—	·248
	1842	·269	·252	·236	·224	·219	·221	·228	·240	·257	·269	·275	·271
	1843	·266	·250	·236	·224	·216	·220	·229	·243	·259	·272	·280	·274
	1844	·270	·253	·236	·223	·216	·218	·227	·239	·254	·265	·274	·265
	1845	·291	·278	·261	·252	·247	·249	·259	·274	·287	·297	·304	·294
Hourly Means	·268	·254	·239	·227	·221	·222	·231	·244	·260	·271	·279	·272	
DECEMBER.	1840	—	·256	—	·226	—	·219	—	·241	—	·266	—	·269
	1841	—	·232	—	·204	—	·199	—	·221	—	·252	—	·259
	1842	·284	·268	·252	·237	·224	·229	·240	·252	·267	·278	·288	·282
	1843	·268	·254	·241	·225	·217	·220	·230	·244	·258	·269	·277	·273
	1844	·266	·254	·238	·224	·216	·216	·225	·239	·253	·265	·275	·270
	1845	·271	·258	·245	·233	·224	·225	·232	·247	·262	·271	·280	·275
Hourly Means	·268	·254	·240	·225	·216	·218	·228	·241	·256	·267	·276	·271	

METEOROLOGICAL OBSERVATIONS.

1842, inclusive, and at every Hour from September, 1842, to December, 1845, inclusive—continued.

Correction to the Royal Society's Flint-Glass Barometer + 0.007 inches.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	.339	—	.317	—	.312	—	.334	—	.372	—	.372	28.338
—	.391	—	.365	—	.364	—	.386	—	.419	—	.416	28.389
.355	.346	.333	.322	.320	.324	.332	.344	.360	.374	.377	.368	28.341
.376	.367	.356	.345	.341	.344	.350	.363	.378	.394	.397	.391	28.364
.376	.365	.354	.344	.340	.343	.349	.361	.379	.396	.399	.393	28.366
.372	.362	350	.339	335	.337	345	.358	375	.391	.394	.388	28.360
—	.332	—	.307	—	.304	—	.330	—	.365	—	.364	28.332
—	.355	—	.335	—	.331	—	.356	—	.389	—	.388	28.357
.370	.360	.347	.337	.333	.338	.350	.362	.375	.389	.395	.383	28.358
.364	.350	.338	.327	.324	.324	.336	.349	.367	.381	.385	.379	28.350
.367	.355	.341	.332	.327	.328	.339	.351	.366	.382	.386	.378	28.352
363	.350	337	.328	324	.325	338	.350	.366	.381	387	.378	28.350
—	.311	—	.287	—	.291	—	.314	—	.338	—	.340	28.313
—	.303	—	.280	—	.283	—	.315	—	.343	—	.338	28.309
.321	.304	.289	.280	.276	.282	.293	.309	.325	.333	.337	.330	28.305
.344	.329	.315	.304	.300	.307	.317	.332	.343	.354	.359	.354	28.328
.306	.290	.277	.270	.264	.270	.282	.296	.309	.321	.324	.320	28.292
.346	.328	.313	.303	.297	.302	.314	.329	.345	.358	.361	.357	28.329
328	.311	297	.287	283	.289	301	.316	.330	.341	.345	.340	28.313
—	.237	—	.213	—	.220	—	.251	—	.275	—	.272	28.244
—	.257	—	.230	—	.243	—	.276	—	.300	—	.293	28.263
.285	.271	.254	.244	.246	.255	.269	.288	.302	.311	.313	.310	28.278
.289	.270	.258	.245	.247	.254	.265	.284	.300	.308	.308	.307	28.279
.295	.278	.262	.253	.253	.262	.277	.294	.310	.319	.317	.312	28.285
.304	.288	.273	.264	.267	.273	.286	.303	.318	.327	.327	.323	28.296
.284	.267	.253	.242	.244	.251	.265	.283	.298	.307	.306	.303	28.275
—	.247	—	.231	—	.239	—	.274	—	.298	—	.289	28.259
—	.210	—	.196	—	.206	—	.240	—	.260	—	.256	28.226
.259	.242	.227	.221	.222	.231	.249	.266	.283	.291	.290	.281	28.251
.262	.243	.229	.223	.227	.234	.250	.265	.276	.282	.280	.277	28.251
.248	.230	.218	.212	.216	.224	.244	.262	.276	.286	.287	.281	28.247
.281	.264	.251	.244	.246	.253	.271	.288	.300	.308	.308	.301	28.275
.258	.239	.226	.221	.224	.231	.249	.266	.280	.288	.288	.281	28.252
—	.239	—	.220	—	.231	—	.267	—	.280	—	.278	28.249
—	.224	—	.205	—	.215	—	.254	—	.268	—	.260	28.233
.269	.250	.238	.231	.233	.247	.267	.285	.296	.302	.299	.294	28.263
.258	.240	.227	.220	.221	.232	.253	.270	.280	.287	.286	.278	28.251
.255	.236	.223	.217	.218	.230	.248	.263	.274	.280	.280	.275	28.247
.260	.240	.227	.220	.222	.232	.248	.266	.276	.284	.285	.281	28.253
.257	.238	.226	.219	.220	.231	.251	.268	.278	.284	.283	.278	28.250

TABLE XXII.—*Monthly Means of the Elastic Force of the Aqueous Vapour at every second hour*

St. Helena Mean Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>	
JANUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1841	—	·499	—	·495	—	·494	—	·492	—	·494	—	·494
	1842	—	·529	—	·526	—	·517	—	·509	—	·505	—	·504
	1843	·504	·501	·505	·504	·508	·512	·507	·504	·510	·515	·513	·514
	1844	·509	·512	·506	·515	·510	·516	·515	·518	·520	·520	·516	·513
	1845	·474	·476	·481	·475	·474	·472	·470	·474	·477	·475	·476	·468
Hourly Means	·501	·503	·503	·503	·501	·502	·499	·499	·502	·502	·502	·499	
FEBRUARY.	1841	—	·545	—	·532	—	·527	—	·531	—	·530	—	·533
	1842	—	·564	—	·564	—	·560	—	·554	—	·551	—	·549
	1843	·532	·529	·528	·537	·533	·532	·537	·535	·530	·530	·535	·533
	1844	·561	·574	·566	·558	·562	·556	·555	·561	·561	·568	·567	·568
	1845	·519	·526	·527	·529	·531	·516	·504	·509	·511	·513	·506	·508
	Hourly Means	·541	·548	·544	·544	·545	·538	·535	·538	·536	·538	·537	·538
MARCH.	1841	—	·601	—	·602	—	·586	—	·578	—	·570	—	·568
	1842	—	·592	—	·600	—	·583	—	·573	—	·571	—	·574
	1843	·568	·569	·565	·559	·551	·547	·546	·548	·543	·540	·539	·541
	1844	·582	·579	·579	·580	·575	·576	·570	·570	·573	·576	·579	·572
	1845	·525	·526	·517	·511	·512	·512	·510	·512	·515	·521	·521	·521
	Hourly Means	·573	·573	·572	·570	·564	·561	·557	·556	·555	·556	·557	·555
APRIL.	1841	—	·627	—	·627	—	·603	—	·581	—	·572	—	·566
	1842	—	·554	—	·555	—	·536	—	·539	—	·541	—	·533
	1843	·524	·523	·524	·525	·525	·518	·513	·509	·510	·510	·505	·502
	1844	·584	·579	·575	·571	·569	·566	·562	·564	·563	·558	·559	·560
	1845	·536	·536	·529	·525	·526	·526	·519	·524	·523	·537	·534	·532
	Hourly Means	·565	·564	·562	·561	·557	·550	·544	·543	·542	·544	·541	·539
MAY.	1841	—	·529	—	·527	—	·507	—	·499	—	·495	—	·497
	1842	—	·529	—	·528	—	·513	—	·509	—	·504	—	·505
	1843	·485	·482	·481	·469	·469	·464	·456	·463	·463	·459	·455	·447
	1844	·517	·519	·511	·506	·497	·493	·486	·485	·492	·490	·489	·492
	1845	·512	·505	·504	·500	·487	·484	·482	·484	·478	·475	·478	483
	Hourly Means	·516	·513	·512	·506	·497	·492	·486	·488	·489	·485	·485	·485
JUNE.	1841	—	·486	—	·486	—	·475	—	·465	—	·463	—	·453
	1842	—	·462	—	·454	—	·442	—	·436	—	·432	—	·434
	1843	·434	·435	·438	·432	·427	·422	·418	·419	·416	·414	·409	·414
	1844	·462	462	·462	·458	·458	·457	·458	·453	·458	·454	·449	·449
	1845	·458	·458	·461	·451	·447	·444	·442	·438	·434	·432	·439	·438
	Hourly Means	·460	·461	·463	·456	·452	·448	·445	·442	·442	·439	·438	·438

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from Sept. 1840, to Aug. 1842, inclusive, and at every hour from Sept. 1842, to Dec. 1845.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
—	·484	—	·471	—	·469	—	·478	—	·488	—	·492	·488
—	·500	—	·497	—	·494	—	·498	—	·514	—	·522	·510
·514	·503	·502	·507	·502	·500	·499	·501	·505	·510	·509	·510	·507
·514	·509	·504	·505	·503	·502	·495	·501	·515	·511	·506	·513	·510
·464	·468	·468	·464	·464	·453	·456	·450	·461	·464	·471	·475	·469
·497	·493	·489	·489	·488	·484	·484	·486	·496	·497	·498	·502	·497
—	·531	—	·528	—	·521	—	·531	—	·545	—	·537	·533
—	·544	—	·538	—	·532	—	·536	—	·560	—	·566	·552
·532	·527	·522	·523	·524	·523	·518	·526	·527	·525	·528	·536	·529
·567	·562	·558	·556	·560	·560	·559	·561	·570	·569	·569	·564	·563
·503	·504	·505	·490	·497	·498	·497	·486	·506	·515	·511	·509	·509
·536	·534	·532	·527	·528	·527	·527	·528	·540	·543	·543	·542	·537
—	·562	—	·555	—	·560	—	·561	—	·583	—	·601	·577
—	·569	—	·564	—	·556	—	·567	—	·581	—	·596	·577
·543	·547	·544	·543	·542	·539	·539	·547	·551	·563	·563	·567	·550
·569	·570	·569	·569	·565	·565	·570	·573	·581	·590	·588	·590	·575
·519	·510	·507	·503	·513	·497	·500	·507	·517	·516	·518	·524	·514
·554	·552	·550	·547	·548	·543	·545	·551	·559	·567	·570	·576	·559
—	·559	—	·564	—	·557	—	·562	—	·594	—	·607	·585
—	·532	—	·528	—	·526	—	·522	—	·537	—	·545	·537
·496	·494	·493	·492	·488	·484	·489	·484	·492	·507	·510	·522	·506
·562	·565	·560	·561	·558	·555	·559	·564	·569	·574	·574	·578	·566
·527	·526	·524	·519	·519	·514	·519	·527	·540	·539	·542	·539	·528
·535	·535	·533	·533	·531	·527	·531	·532	·542	·550	·553	·558	·545
—	·490	—	·482	—	·489	—	·491	—	·515	—	·525	·504
—	·504	—	·489	—	·488	—	·485	—	·509	—	·515	·507
·453	·451	·456	·456	·452	·454	·448	·449	·457	·470	·477	·483	·463
·485	·486	·479	·481	·481	·483	·478	·475	·494	·501	·509	·513	·493
·476	·485	·483	·479	·479	·479	·481	·483	·497	·505	·510	·517	·489
·481	·483	·480	·477	·477	·479	·476	·477	·491	·500	·506	·511	·491
—	·453	—	·449	—	·449	—	·453	—	·464	—	·480	·465
—	·429	—	·428	—	·432	—	·438	—	·452	—	·468	·442
·414	·403	·403	·394	·401	·400	·391	·402	·406	·414	·415	·428	·415
·446	·449	·443	·433	·438	·441	·438	·443	·449	·441	·470	·464	·451
·439	·432	·432	·427	·426	·433	·433	·433	·435	·443	·455	·455	·441
·438	·433	·433	·426	·429	·431	·428	·434	·440	·443	·457	·459	·443

TABLE XXII.—Monthly Means of the Elastic Force of the Aqueous Vapour at every second hour

St. Helena Mean Time,	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
JULY.	1841	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	1842	—	·450	—	·441	—	·439	—	·427	—	·425	—
	1843	·418	·417	·417	·414	·413	·412	·407	·404	·400	·402	·396
	1844	·412	·418	·415	·420	·422	·414	·409	·414	·416	·411	·411
	1845	·425	·427	·424	·417	·412	·413	·410	·409	·412	·413	·413
	Hourly Means	·426	·427	·425	·422	·421	·418	·413	·411	·411	·411	·409
AUGUST.	1841	—	·448	—	·440	—	·431	—	·431	—	·429	—
	1842	—	·411	—	·407	—	·401	—	·396	—	·396	—
	1843	·397	·403	·396	·393	·393	·394	·390	·392	·389	·382	·388
	1844	·440	·446	·438	·434	·432	·424	·423	·421	·424	·424	·420
	1845	·434	·436	·437	·430	·429	·419	·416	·418	·415	·412	·411
	Hourly Means	·426	·429	·425	·421	·420	·414	·411	·412	·412	·409	·409
SEPTEMBER.	1840	—	·426	—	·423	—	·413	—	·412	—	·404	—
	1841	—	·429	—	·428	—	·418	—	·404	—	·406	—
	1842	·429	·429	·430	·429	·421	·417	·411	·409	·410	·408	·405
	1843	·412	·413	·416	·410	·405	·400	·395	·397	·392	·397	·392
	1844	·456	·453	·452	·447	·442	·435	·431	·430	·432	·431	·430
	1845	·431	·426	·426	·421	·413	·406	·409	·407	·410	·408	·407
Hourly Means	·431	·429	·430	·426	·420	·415	·412	·410	·410	·409	·408	·406
OCTOBER.	1840	—	·449	—	·449	—	·439	—	·428	—	·432	—
	1841	—	·460	—	·451	—	·433	—	·421	—	·417	—
	1842	·437	·443	·443	·439	·430	·430	·424	·421	·419	·419	·420
	1843	·425	·426	·424	·423	·415	·415	·412	·408	·409	·408	·408
	1844	·457	·456	·453	·442	·444	·433	·431	·430	·427	·432	·428
	1845	·451	·455	·445	·449	·445	·437	·432	·431	·427	·430	·434
Hourly Means	·447	·448	·444	·442	·437	·431	·426	·423	·421	·423	·423	·421
NOVEMBER.	1840	—	·457	—	·454	—	·448	—	·442	—	·441	—
	1841	—	·486	—	·480	—	·478	—	·464	—	·466	—
	1842	·455	·453	·460	·454	·448	·447	·446	·439	·441	·438	·437
	1843	·441	·439	·440	·441	·439	·434	·427	·424	·420	·425	·428
	1844	·451	·451	·451	·447	·439	·435	·426	·429	·424	·426	·417
	1845	·443	·443	·442	·429	·436	·428	·426	·428	·425	·428	·426
Hourly Means	·455	·455	·457	·451	·449	·445	·440	·438	·436	·437	·435	·434
DECEMBER.	1840	—	·473	—	·470	—	·467	—	·466	—	·468	—
	1841	—	·507	—	·503	—	·498	—	·484	—	·480	—
	1842	·466	·471	·468	·462	·469	·471	·464	·461	·460	·458	·453
	1843	·496	·497	·492	·492	·487	·489	·483	·484	·483	·480	·476
	1844	·461	·462	·457	·453	·450	·450	·443	·450	·447	·449	·450
	1845	·459	·458	·454	·452	·456	·451	·450	·447	·448	·453	·452
Hourly Means	·476	·478	·474	·472	·473	·471	·465	·465	·464	·465	·462	·463

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from Sept. 1840, to Aug. 1842, inclusive, and at every hour from Sept. 1842, to Dec. 1845—continued.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
—	·412	—	·419	—	·419	—	·413	—	·425	—	·444	·428
—	·399	—	·395	—	·392	—	·396	—	·408	—	·421	·406
·390	·390	·387	·392	·391	·391	·387	·393	·402	·408	·407	·413	·402
·408	·407	·404	·398	·393	·393	·393	·390	·404	·410	·409	·404	·408
·406	·407	·414	·409	·406	·397	·404	·406	·419	·419	·427	·430	·414
·404	·403	·404	·403	·401	·398	·399	·400	·411	·414	·418	·422	·412
—	·420	—	·410	—	·410	—	·416	—	·422	—	·439	·427
—	·394	—	·389	—	·384	—	·389	—	·399	—	·410	·397
·387	·386	·380	·377	·375	·380	·382	·384	·382	·390	·394	·397	·388
·416	·416	·411	·412	·409	·409	·411	·416	·425	·426	·435	·439	·423
·413	·408	·406	·403	·400	·400	·398	·403	·411	·422	·434	·438	·417
·407	·405	·401	·398	·396	·397	·398	·402	·406	·412	·421	·425	·411
—	·391	—	·393	—	·393	—	·398	—	·410	—	·420	·407
—	·405	—	·396	—	·400	—	·402	—	·419	—	·425	·412
·400	·399	·399	·397	·396	·391	·392	·397	·403	·412	·419	·424	·410
·388	·392	·391	·390	·392	·389	·386	·394	·399	·403	·407	·412	·398
·423	·426	·427	·422	·418	·418	·420	·423	·428	·442	·450	·456	·434
·403	·402	·391	·391	·392	·396	·398	·400	·405	·417	·424	·426	·409
·403	·403	·401	·398	·398	·398	·398	·402	·408	·417	·423	·427	·412
—	·419	—	·417	—	·411	—	·423	—	·436	—	·449	·431
—	·412	—	·409	—	·408	—	·410	—	·431	—	·447	·426
·412	·412	·410	·407	·405	·406	·409	·411	·416	·425	·431	·436	·422
·404	·401	·399	·397	·399	·397	·397	·403	·408	·417	·416	·425	·410
·430	·425	·428	·426	·428	·425	·426	·428	·436	·443	·452	·455	·436
·428	·428	·425	·424	·423	·422	·426	·433	·441	·454	·465	·459	·437
·418	·416	·416	·413	·414	·412	·414	·418	·425	·434	·439	·445	·427
—	·433	—	·426	—	·427	—	·432	—	·446	—	·453	·442
—	·450	—	·445	—	·446	—	·453	—	·469	—	·478	·464
·438	·443	·428	·427	·424	·420	·421	·427	·428	·441	·445	·445	·439
·423	·422	·415	·413	·412	·411	·415	·420	·426	·435	·441	·439	·427
·422	·422	·418	·416	·420	·406	·414	·419	·426	·438	·440	·452	·430
·421	·419	·418	·418	·422	·418	·419	·424	·427	·441	·442	·443	·429
·432	·432	·425	·424	·426	·421	·424	·429	·433	·445	·449	·452	·438
—	·460	—	·459	—	·451	—	·457	—	·467	—	·471	·465
—	·466	—	·467	—	·459	—	·461	—	·474	—	·500	·481
·454	·447	·440	·443	·442	·441	·451	·453	·458	·464	·468	·463	·457
·475	·471	·473	·471	·470	·463	·471	·477	·487	·489	·493	·489	·482
·452	·450	·443	·442	·433	·434	·433	·441	·454	·457	·451	·455	·449
·448	·453	·454	·453	·445	·445	·446	·449	·450	·455	·460	·463	·452
·461	·458	·456	·456	·451	·449	·453	·456	·464	·468	·472	·474	·464

TABLE XXIII.—Mean Monthly degree of the Humidity of the Air at every second hour from

St. Helena, Mean Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
JANUARY.	1841 . . .	—	75	—	76	—	82	—	87	—	89	—
	1842 . . .	—	80	—	81	—	84	—	90	—	90	—
	1843 . . .	73	71	73	73	76	80	83	85	88	89	89
	1844 . . .	75	75	74	76	76	80	84	88	89	90	90
	1845 . . .	76	75	74	75	76	78	82	86	88	89	90
Hourly Means . . .	76	75	75	76	78	81	84	87	88	89	90	
FEBRUARY.	1841 . . .	—	79	—	77	—	81	—	87	—	89	—
	1842 . . .	—	84	—	85	—	88	—	92	—	92	—
	1843 . . .	75	73	72	75	76	79	84	87	87	88	89
	1844 . . .	77	76	77	76	79	81	84	87	89	91	91
	1845 . . .	77	76	74	75	77	79	80	85	88	89	89
Hourly Means . . .	79	78	77	78	80	82	85	88	89	90	91	
MARCH.	1841 . . .	—	86	—	87	—	89	—	92	—	93	—
	1842 . . .	—	82	—	83	—	86	—	91	—	92	—
	1843 . . .	85	84	84	84	84	86	89	91	90	91	91
	1844 . . .	79	77	76	76	77	79	83	86	87	90	91
	1845 . . .	80	78	76	76	77	80	83	87	88	90	91
Hourly Means . . .	83	81	80	81	82	84	87	89	89	91	92	
APRIL.	1841 . . .	—	92	—	92	—	93	—	96	—	96	—
	1842 . . .	—	82	—	84	—	85	—	90	—	91	—
	1843 . . .	79	78	79	80	81	83	85	86	86	86	86
	1844 . . .	82	80	78	79	81	82	86	87	88	89	89
	1845 . . .	80	79	77	77	79	82	84	88	89	91	91
Hourly Means . . .	83	82	81	82	84	85	87	89	90	91	90	
MAY.	1841 . . .	—	84	—	85	—	86	—	89	—	90	—
	1842 . . .	—	81	—	82	—	86	—	89	—	89	—
	1843 . . .	84	82	82	80	82	84	85	87	87	86	86
	1844 . . .	82	81	80	79	79	81	83	85	87	87	88
	1845 . . .	84	81	80	80	80	82	85	88	88	88	89
Hourly Means . . .	85	82	82	81	82	84	86	88	87	88	89	
JUNE.	1841 . . .	—	84	—	85	—	88	—	90	—	90	—
	1842 . . .	—	82	—	82	—	84	—	87	—	87	—
	1843 . . .	81	81	81	81	82	83	85	86	85	86	85
	1844 . . .	82	80	80	81	82	84	86	87	88	87	87
	1845 . . .	83	83	84	83	83	85	87	87	87	87	89
Hourly Means . . .	82	82	82	82	83	85	87	87	87	87	88	

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11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
90	—	90	—	89	—	88	—	88	—	83	—	73	84
91	—	91	—	91	—	91	—	90	—	88	—	84	88
90	90	90	90	91	90	89	89	88	86	84	80	76	84
90	91	90	90	90	90	90	89	89	88	84	80	79	85
89	89	90	90	89	89	88	88	87	87	83	81	79	84
90	90	90	90	90	90	89	89	88	87	84	81	78	85
91	—	91	—	92	—	91	—	91	—	87	—	80	86
93	—	93	—	93	—	93	—	93	—	91	—	87	90
89	89	89	89	90	90	90	90	90	87	83	79	78	84
92	92	92	92	92	93	93	93	93	91	89	84	81	87
89	89	89	90	88	90	90	90	88	89	88	83	78	85
91	91	91	91	91	91	91	91	91	90	88	84	81	86
93	—	94	—	94	—	94	—	93	—	91	—	88	91
93	—	93	—	93	—	94	—	94	—	90	—	86	90
91	92	93	93	93	93	93	93	93	92	91	89	87	90
91	91	92	92	92	92	93	93	93	91	88	84	82	86
91	91	91	91	91	92	90	91	91	91	86	84	82	86
92	93	93	93	93	93	93	93	93	92	89	86	85	89
96	—	95	—	96	—	96	—	95	—	95	—	91	94
91	—	91	—	91	—	91	—	91	—	87	—	83	88
86	85	85	85	85	85	85	85	84	83	82	80	80	83
91	92	92	92	92	93	93	93	93	92	89	86	83	88
92	91	92	92	92	92	92	93	94	94	89	86	82	87
91	91	91	91	91	91	91	91	91	91	88	86	84	88
91	—	90	—	90	—	91	—	90	—	89	—	84	88
90	—	90	—	89	—	89	—	88	—	85	—	81	87
85	87	86	88	88	87	88	87	86	86	86	85	84	85
88	88	88	88	88	89	89	89	89	89	87	85	83	86
90	89	91	91	91	91	91	91	91	91	90	88	86	87
89	89	89	89	89	90	90	90	89	88	87	86	84	87
89	—	90	—	89	—	89	—	90	—	87	—	85	88
88	—	88	—	89	—	90	—	90	—	88	—	87	87
86	86	84	85	84	85	85	83	85	84	83	81	81	84
87	87	88	87	86	87	87	87	88	88	86	88	83	86
89	90	89	90	89	89	91	91	91	89	87	86	85	87
88	88	88	89	87	88	88	89	89	88	86	86	84	86



TABLE XXIII.—Mean Monthly degree of the Humidity of the Air at every second hour from Sept. 1840,

St. Helena, Mean Time.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	
JULY.	1841 . . .	—	83	—	82	—	87	—	88	—	89	—
	1842 . . .	—	81	—	82	—	85	—	87	—	88	—
	1843 . . .	83	81	81	81	83	86	87	87	86	88	86
	1844 . . .	79	80	80	81	82	83	86	87	88	87	88
	1845 . . .	83	81	81	81	81	83	86	87	88	89	90
Hourly Means . . .	82	81	81	81	82	85	87	87	88	88	89	
AUGUST.	1841 . . .	—	84	—	84	—	86	—	90	—	90	—
	1842 . . .	—	81	—	81	—	85	—	86	—	87	—
	1843 . . .	78	78	76	77	79	83	85	87	87	86	88
	1844 . . .	88	88	87	88	89	90	92	93	93	94	93
	1845 . . .	89	89	88	89	91	91	92	93	94	94	93
Hourly Means . . .	84	84	83	84	86	87	89	90	90	90	90	
SEPTEMBER.	1840 . . .	—	83	—	85	—	88	—	92	—	91	—
	1841 . . .	—	81	—	84	—	87	—	88	—	88	—
	1842 . . .	82	81	81	83	83	86	87	88	88	89	89
	1843 . . .	81	80	82	81	82	84	86	88	87	88	88
	1844 . . .	92	89	89	89	89	92	93	96	96	96	96
1845 . . .	89	86	86	87	87	89	91	92	93	94	93	
Hourly Means . . .	85	83	84	85	86	88	90	91	91	91	91	
OCTOBER.	1840 . . .	—	79	—	83	—	87	—	90	—	91	—
	1841 . . .	—	86	—	87	—	89	—	91	—	92	—
	1842 . . .	81	81	81	82	83	86	88	89	89	90	90
	1843 . . .	81	80	81	82	83	87	89	89	90	91	91
	1844 . . .	86	85	86	84	86	87	90	91	92	93	93
1845 . . .	82	82	80	81	83	84	86	89	88	90	91	
Hourly Means . . .	82	82	83	83	85	87	89	90	90	91	92	
NOVEMBER.	1840 . . .	—	76	—	78	—	83	—	87	—	88	—
	1841 . . .	—	80	—	81	—	87	—	91	—	93	—
	1842 . . .	78	78	78	79	81	84	87	88	89	89	89
	1843 . . .	78	78	78	79	81	82	84	86	86	87	88
	1844 . . .	83	81	81	81	82	85	87	90	90	91	89
1845 . . .	80	79	78	77	81	82	86	88	89	91	91	
Hourly Means . . .	80	79	79	79	82	84	86	88	89	90	90	
DECEMBER.	1840 . . .	—	75	—	76	—	82	—	88	—	89	—
	1841 . . .	—	78	—	78	—	85	—	89	—	90	—
	1842 . . .	76	76	76	76	78	82	85	87	88	88	88
	1843 . . .	80	79	78	79	81	84	86	89	90	89	89
	1844 . . .	79	77	76	76	77	80	83	87	88	89	89
1845 . . .	78	77	77	77	79	82	85	86	88	90	90	
Hourly Means . . .	78	77	77	77	79	83	86	88	89	89	89	

METEOROLOGICAL OBSERVATIONS.

to Aug. 1842, inclusive, and at every hour from Sept. 1842, to Dec. 1845, inclusive—continued.

11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
88	—	87	—	89	—	90	—	88	—	85	—	85	87
89	—	89	—	88	—	88	—	88	—	86	—	84	86
88	87	87	87	88	87	87	87	88	88	85	83	83	86
88	88	89	88	88	87	87	87	86	88	86	84	80	85
90	90	91	92	91	91	90	91	91	92	89	88	86	88
89	88	89	89	89	89	88	88	88	89	86	85	84	86
90	—	90	—	89	—	89	—	90	—	86	—	85	88
87	—	88	—	88	—	88	—	89	—	86	—	83	86
87	89	89	88	88	87	88	89	89	86	84	83	81	85
92	93	93	93	93	93	93	94	95	96	93	93	90	92
93	95	94	94	94	93	93	93	94	95	94	94	92	93
90	92	91	91	90	89	90	91	91	91	89	89	86	89
92	—	90	—	91	—	92	—	91	—	88	—	84	89
89	—	90	—	89	—	90	—	90	—	89	—	83	87
89	88	88	89	89	89	88	88	88	87	86	84	83	86
88	88	89	89	89	90	89	89	89	89	87	84	83	86
96	96	96	97	96	97	97	97	97	96	96	94	93	94
93	93	94	92	92	93	94	95	95	94	94	92	91	91
91	91	91	91	91	93	92	92	92	91	90	87	86	89
91	—	91	—	91	—	91	—	90	—	85	—	82	88
92	—	93	—	92	—	92	—	91	—	89	—	86	90
90	90	90	90	90	90	90	90	89	88	86	84	82	87
91	91	91	91	91	91	91	91	91	90	88	85	84	88
95	95	95	96	96	96	96	96	96	96	92	91	89	92
92	92	92	92	92	92	92	93	93	92	91	90	87	89
92	92	92	92	92	92	92	92	92	92	89	90	90	89
89	—	89	—	88	—	89	—	88	—	84	—	79	85
92	—	92	—	92	—	92	—	92	—	87	—	82	88
90	90	90	90	89	89	88	88	87	85	83	81	79	85
88	88	88	88	87	87	87	88	87	86	85	83	82	85
91	91	91	91	91	90	90	90	91	90	86	83	85	88
90	91	91	91	91	92	91	91	91	90	89	86	83	87
90	90	90	90	90	90	90	90	89	88	86	83	82	87
90	—	90	—	90	—	90	—	89	—	83	—	78	85
89	—	89	—	89	—	88	—	87	—	83	—	82	86
88	88	88	87	88	88	88	89	89	88	85	83	79	85
91	90	89	90	90	90	89	90	90	89	87	84	81	86
91	91	91	91	91	90	90	90	91	90	86	83	80	86
91	90	91	92	92	92	92	92	91	89	86	85	82	86
90	90	90	90	90	90	90	90	90	89	85	83	80	86

TABLE XXIV.—*Monthly Means of the Force of the Wind at every hour in*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
JAN. {1844 1845	lbs. 1.05	lbs. 1.01	lbs. 1.02	lbs. 0.93	lbs. 0.91	lbs. 0.94	lbs. 0.89	lbs. 0.92	lbs. 0.94	lbs. 0.94	lbs. 1.03	lbs. 1.13
	1.44	1.30	1.22	1.26	1.23	1.29	1.27	1.31	1.30	1.24	1.29	1.46
Mean . .	1.25	1.16	1.12	1.09	1.07	1.12	1.08	1.12	1.12	1.09	1.16	1.30
FEB. {1844 1845	1.09	0.97	0.96	0.93	0.83	0.85	0.82	0.84	0.88	0.89	0.90	0.87
	1.19	1.16	1.10	1.01	1.02	1.03	1.01	1.00	0.92	0.90	0.89	0.92
Mean . .	1.14	1.07	1.03	0.97	0.93	0.94	0.92	0.92	0.90	0.90	0.90	0.90
MARCH {1844 1845	0.63	0.61	0.62	0.56	0.53	0.50	0.51	0.53	0.57	0.61	0.63	0.66
	1.02	1.00	1.02	0.98	0.94	0.99	1.02	1.04	1.01	1.00	1.06	1.03
Mean . .	0.83	0.81	0.82	0.77	0.74	0.75	0.77	0.79	0.79	0.81	0.85	0.85
APRIL {1844 1845	0.74	0.71	0.71	0.67	0.67	0.65	0.64	0.71	0.75	0.74	0.67	0.70
	0.58	0.58	0.54	0.57	0.54	0.60	0.62	0.64	0.69	0.69	0.70	0.68
Mean . .	0.66	0.65	0.63	0.62	0.61	0.63	0.63	0.68	0.72	0.72	0.69	0.69
MAY. {1844 1845	0.72	0.69	0.75	0.68	0.71	0.75	0.77	0.78	0.80	0.76	0.73	0.68
	0.57	0.59	0.60	0.66	0.66	0.65	0.68	0.69	0.72	0.72	0.70	0.71
Mean . .	0.65	0.64	0.68	0.67	0.69	0.70	0.73	0.74	0.76	0.74	0.72	0.70
JUNE. {1844 1845	0.73	0.74	0.75	0.74	0.72	0.73	0.74	0.77	0.82	0.76	0.79	0.82
	0.80	0.75	0.71	0.74	0.71	0.72	0.76	0.72	0.73	0.75	0.73	0.75
Mean . .	0.77	0.75	0.73	0.74	0.72	0.73	0.75	0.75	0.78	0.76	0.76	0.79
JULY. {1844 1845	1.15	1.09	0.99	1.01	0.99	1.01	0.97	1.05	1.00	1.07	1.06	1.03
	0.82	0.77	0.72	0.70	0.66	0.68	0.65	0.65	0.66	0.68	0.71	0.70
Mean . .	0.99	0.93	0.86	0.86	0.83	0.85	0.81	0.85	0.83	0.88	0.89	0.87
AUG. {1844 1845	1.25	1.17	1.06	1.05	1.07	1.04	1.06	1.09	1.15	1.22	1.28	1.35
	1.36	1.30	1.27	1.23	1.26	1.30	1.29	1.24	1.30	1.34	1.31	1.22
Mean . .	1.31	1.24	1.17	1.14	1.17	1.17	1.18	1.17	1.23	1.28	1.30	1.29
SEPT. {1844 1845	1.15	1.20	1.22	1.21	1.25	1.34	1.33	1.32	1.34	1.29	1.28	1.29
	1.04	0.99	0.96	0.96	0.95	0.96	0.95	0.91	0.87	0.86	0.85	0.82
Mean . .	1.10	1.10	1.09	1.09	1.10	1.15	1.14	1.12	1.11	1.08	1.07	1.06
OCT. {1844 1845	1.88	1.79	1.63	1.59	1.65	1.73	1.77	1.84	1.76	1.75	1.77	1.79
	0.85	0.82	0.80	0.78	0.78	0.76	0.76	0.72	0.74	0.69	0.72	0.72
Mean . .	1.37	1.31	1.22	1.19	1.22	1.25	1.27	1.28	1.25	1.22	1.25	1.26
NOV. {1844 1845	1.33	1.34	1.34	1.44	1.48	1.53	1.50	1.48	1.36	1.33	1.32	1.32
	1.81	1.78	1.79	1.74	1.72	1.72	1.67	1.68	1.60	1.57	1.58	1.59
Mean . .	1.57	1.56	1.57	1.59	1.60	1.63	1.59	1.58	1.48	1.45	1.45	1.46
DEC. {1844 1845	1.27	1.29	1.25	1.15	1.10	1.11	1.14	1.14	1.22	1.21	1.13	1.16
	1.29	1.32	1.37	1.34	1.33	1.35	1.35	1.30	1.21	1.11	1.11	1.15
Mean . .	1.28	1.31	1.31	1.25	1.22	1.23	1.25	1.22	1.22	1.16	1.12	1.16

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1844 and 1845, derived from the pressures shown by Osler's Anemometer.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
lbs. 1.13 1.47	lbs. 1.05 1.46	lbs. 1.05 1.51	lbs. 1.13 1.48	lbs. 1.21 1.62	lbs. 1.27 1.68	lbs. 1.29 1.73	lbs. 1.25 1.74	lbs. 1.27 1.72	lbs. 1.28 1.74	lbs. 1.34 1.67	lbs. 1.32 1.69	lbs. 1.09 1.46
1.30	1.26	1.28	1.31	1.42	1.48	1.51	1.50	1.50	1.51	1.51	1.51	1.28
0.84 0.96	0.83 0.91	0.82 0.97	0.91 0.87	0.96 0.93	1.00 0.96	0.99 1.02	1.11 1.06	1.07 1.09	1.07 1.19	1.11 1.22	1.18 1.21	0.95 1.02
0.90	0.87	0.90	0.89	0.95	0.98	1.01	1.09	1.08	1.13	1.17	1.20	0.98
0.65 0.97	0.65 0.98	0.68 1.04	0.69 1.11	0.69 1.18	0.70 1.22	0.69 1.27	0.72 1.26	0.69 1.26	0.69 1.22	0.74 1.20	0.73 1.26	0.64 1.09
0.81	0.82	0.86	0.90	0.94	0.96	0.98	0.99	0.98	0.96	0.97	1.00	0.86
0.65 0.69	0.70 0.64	0.74 0.67	0.74 0.72	0.78 0.76	0.78 0.78	0.77 0.82	0.84 0.85	0.84 0.82	0.90 0.78	0.90 0.79	0.89 0.84	0.75 0.69
0.67	0.67	0.71	0.73	0.77	0.78	0.80	0.85	0.83	0.84	0.85	0.87	0.72
0.68 0.74	0.63 0.71	0.60 0.76	0.58 0.74	0.60 0.77	0.65 0.82	0.71 0.81	0.70 0.80	0.71 0.83	0.78 0.83	0.79 0.82	0.85 0.86	0.71 0.73
0.71	0.67	0.68	0.66	0.69	0.74	0.76	0.75	0.77	0.81	0.81	0.86	0.72
0.80 0.75	0.81 0.77	0.82 0.76	0.85 0.78	0.88 0.83	0.95 0.84	1.01 0.83	1.04 0.86	1.06 0.85	1.10 0.88	1.14 0.87	1.01 0.88	0.86 0.78
0.78	0.79	0.79	0.82	0.86	0.90	0.92	0.95	0.96	0.99	1.01	0.95	0.81
1.04 0.66	0.99 0.67	1.05 0.61	1.01 0.61	1.01 0.63	1.15 0.66	1.17 0.69	1.22 0.69	1.32 0.74	1.36 0.81	1.37 0.85	1.51 0.88	1.11 0.70
0.85	0.83	0.83	0.81	0.82	0.91	0.93	0.96	1.03	1.09	1.11	1.20	0.90
1.39 1.21	1.39 1.18	1.41 1.14	1.30 1.12	1.34 1.12	1.36 1.15	1.44 1.19	1.50 1.25	1.50 1.29	1.49 1.29	1.60 1.39	1.59 1.40	1.29 1.26
1.30	1.29	1.28	1.21	1.23	1.26	1.32	1.38	1.40	1.39	1.50	1.50	1.27
1.25 0.80	1.27 0.78	1.19 0.76	1.17 0.75	1.20 0.76	1.29 0.89	1.35 0.91	1.37 0.95	1.41 1.01	1.48 1.04	1.50 1.16	1.53 1.11	1.30 0.92
1.03	1.03	0.98	0.96	0.98	1.09	1.13	1.16	1.21	1.26	1.33	1.32	1.11
1.83 0.72	1.83 0.73	1.81 0.74	1.95 0.83	1.97 0.85	2.02 0.90	2.09 0.92	2.17 0.97	2.24 0.95	2.29 0.96	2.40 1.00	2.33 0.89	1.92 0.82
1.28	1.28	1.28	1.39	1.41	1.46	1.51	1.57	1.60	1.63	1.70	1.61	1.37
1.25 1.56	1.17 1.56	1.21 1.58	1.22 1.57	1.22 1.64	1.26 1.72	1.39 1.75	1.47 1.84	1.48 1.91	1.40 1.95	1.43 2.01	1.53 1.91	1.37 1.72
1.41	1.37	1.40	1.40	1.43	1.49	1.57	1.66	1.20	1.68	1.72	1.72	1.54
1.17 1.16	1.24 1.19	1.24 1.22	1.30 1.33	1.47 1.38	1.59 1.37	1.64 1.38	1.70 1.41	1.73 1.46	1.75 1.46	1.72 1.51	1.64 1.50	1.35 1.32
1.17	1.22	1.23	1.32	1.43	1.48	1.51	1.56	1.60	1.61	1.62	1.57	1.33

TABLE XXV.—*Mean Temperature of the Air for*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
January .	67·68	68·05	67·93	67·79	67·30	66·04	64·58	63·39	62·93	62·62	62·42	62·27
February .	69·14	69·61	69·85	69·59	68·95	67·89	66·59	65·43	64·91	64·66	64·46	64·32
March . .	69·13	69·57	69·89	69·71	69·10	68·10	66·86	65·84	65·47	65·15	65·00	64·83
April . .	68·54	68·89	68·98	68·64	67·99	66·98	65·84	65·15	64·84	64·61	64·45	64·29
May . . .	65·76	66·01	66·09	65·84	65·17	64·11	63·56	63·32	62·73	62·13	62·03	61·88
June . . .	62·40	62·76	62·73	62·39	61·83	60·98	60·14	59·68	59·49	59·34	59·20	59·11
July . . .	60·37	60·83	60·77	60·51	59·87	58·98	58·14	57·70	57·48	57·25	57·13	56·91
August . .	59·68	59·99	60·12	59·72	59·11	58·11	57·23	56·83	56·60	56·45	56·32	56·20
September .	59·89	60·26	60·18	59·77	59·11	58·03	57·05	56·56	56·35	56·21	56·04	55·91
October . .	61·50	61·98	61·91	61·31	60·46	59·31	58·18	57·57	57·64	57·12	56·99	56·84
November .	63·44	63·88	63·97	63·52	62·63	61·32	59·94	59·11	58·76	58·57	58·41	58·24
December .	65·19	65·81	65·87	65·72	64·88	63·62	62·17	61·10	60·70	60·46	60·27	60·12
Hourly Means	64·39	64·80	64·86	64·54	63·87	62·79	61·69	60·97	60·66	60·38	60·23	60·08

TABLE XXVI.—*Mean Height of the Barometer for the period from 1841 to 1845, inclusive :*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
January .	·256	·244	·228	·213	·204	·207	·216	·228	·243	·256	·264	·260
February .	·247	·230	·215	·201	·193	·193	·201	·212	·228	·240	·249	·249
March . .	·244	·223	·207	·194	·189	·192	·200	·213	·228	·243	·252	·248
April . .	·256	·238	·222	·209	·208	·212	·218	·230	·246	·258	·263	·262
May . . .	·292	·273	·256	·247	·246	·252	·259	·269	·283	·293	·296	·294
June . . .	·344	·326	·323	·305	·305	·309	·318	·327	·337	·345	·349	·345
July . . .	·372	·356	·340	·334	·336	·344	·351	·359	·369	·376	·380	·377
August . .	·363	·346	·332	·323	·324	·330	·336	·348	·360	·368	·373	·371
September .	·324	·309	·294	·284	·284	·291	·299	·313	·327	·338	·340	·338
October . .	·290	·273	·259	·249	·246	·251	·262	·274	·288	·299	·305	·298
November .	·268	·254	·239	·227	·221	·222	·231	·244	·260	·271	·279	·272
December .	·268	·254	240	·225	·216	·218	·228	·241	·256	·267	·276	·271
Hourly Means	·294	·277	·263	·251	·248	·252	·260	·272	·285	·296	·302	·299

TABLE XXVII.—*Mean Elastic force of the Vapour*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
January .	·501	·503	·503	·503	·501	·502	·499	·499	·502	·502	·502	·499
February .	·541	·548	·544	·544	·545	·538	·535	·538	·536	·538	·537	·538
March . .	·573	·573	·572	·570	·564	·561	·557	·556	·555	·556	·557	·555
April . .	·565	·564	·562	·561	·557	·550	·544	·543	·542	·544	·541	·539
May . . .	·516	·513	·512	·506	·497	·492	·486	·488	·489	·485	·485	·485
June . . .	·460	·461	·463	·456	·452	·448	·445	·442	·442	·439	·438	·438
July . . .	·426	·427	·425	·422	·421	·418	·413	·411	·411	·411	·409	·406
August . .	·426	·429	·425	·421	·420	·414	·411	·412	·412	·409	·409	·404
September .	·431	·429	·430	·426	·420	·415	·412	·410	·410	·409	·408	·406
October . .	·447	·448	·444	·442	·437	·431	·426	·423	·421	·423	·423	·421
November .	·455	·455	·457	·451	·449	·445	·440	·438	·436	·437	·435	·434
December .	·476	·478	·474	·472	·473	·471	·465	·465	·464	·465	·462	·463
Hourly Means	·485	·486	·484	·481	·478	·474	·469	·469	·468	·468	·467	·466

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*the period from 1841 to 1845, inclusive.*

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
62.06	61.88	61.66	61.60	61.49	61.39	61.37	61.84	62.79	64.09	65.38	66.55	63.98
64.13	63.96	63.78	63.59	63.51	63.44	63.42	63.62	64.43	65.72	67.08	68.24	65.87
64.65	64.50	64.31	64.17	64.15	64.03	64.05	64.29	65.08	66.39	67.35	68.38	66.24
64.11	64.02	63.88	63.77	63.66	63.51	63.49	63.69	64.50	65.70	66.74	67.86	65.60
61.67	61.57	61.40	61.24	61.19	61.19	61.04	61.06	62.01	63.22	64.11	65.22	63.05
59.00	58.86	58.74	58.61	58.56	58.53	58.47	58.52	59.13	60.16	60.98	61.80	60.07
56.81	56.72	56.60	56.51	56.43	56.36	56.31	56.38	57.07	58.09	58.90	59.69	57.99
56.10	55.98	55.76	55.68	55.53	55.50	55.39	55.56	56.20	57.22	58.07	58.96	57.17
55.82	55.67	55.51	55.37	55.29	55.21	55.24	55.44	56.12	57.18	58.31	59.14	57.07
56.64	56.48	56.30	56.18	56.11	56.01	56.06	56.50	57.38	58.61	59.71	60.73	58.23
58.08	57.90	57.71	57.62	57.55	57.43	57.53	58.03	58.94	60.20	61.35	62.35	59.84
59.95	59.75	59.57	59.47	59.34	59.31	59.39	59.77	60.69	61.97	63.03	64.19	61.77
59.92	59.77	59.60	59.48	59.40	59.33	59.31	59.56	60.36	61.55	62.58	63.59	61.40

*Barometer at 32° = 28 English inches, + the Decimals in the Table.*

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
.245	.228	.216	.209	.212	.220	.239	.256	.267	.273	.273	.266	28.238
.237	.222	.208	.199	.202	.206	.220	.238	.252	.262	.263	.257	28.226
.238	.225	.211	.201	.199	.206	.217	.234	.251	.262	.264	.257	28.225
.258	.247	.232	.220	.218	.222	.237	.253	.269	.280	.286	.275	28.242
.286	.276	.267	.257	.256	.260	.270	.286	.302	.315	.318	.309	28.277
.336	.330	.319	.308	.307	.309	.318	.332	.349	.364	.367	.359	28.331
.372	.362	.350	.339	.335	.337	.345	.358	.375	.391	.395	.388	28.360
.363	.350	.337	.328	.324	.325	.338	.350	.366	.381	.387	.378	28.350
.328	.311	.297	.287	.283	.289	.301	.316	.330	.341	.345	.340	28.313
.284	.267	.253	.242	.244	.251	.265	.283	.298	.307	.306	.303	28.275
.258	.239	.226	.221	.224	.231	.249	.266	.280	.288	.288	.281	28.252
.257	.238	.226	.219	.220	.231	.251	.268	.278	.284	.283	.278	28.250
.288	.276	.262	.253	.252	.257	.271	.287	.301	.312	.315	.308	28.278

*for the period from 1841 to 1845, inclusive.*

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
.497	.493	.489	.489	.488	.484	.484	.486	.496	.497	.498	.502	.497
.536	.534	.532	.527	.528	.527	.527	.528	.540	.543	.543	.542	.537
.554	.552	.550	.547	.548	.543	.545	.551	.559	.567	.570	.576	.559
.535	.535	.533	.533	.531	.527	.531	.532	.542	.550	.553	.558	.545
.481	.483	.480	.477	.477	.479	.476	.477	.491	.500	.506	.511	.491
.438	.433	.433	.426	.429	.431	.428	.434	.440	.443	.457	.459	.443
.404	.403	.404	.403	.401	.398	.399	.400	.411	.414	.418	.422	.412
.407	.405	.401	.398	.396	.397	.398	.402	.406	.412	.421	.425	.411
.403	.403	.401	.398	.398	.398	.398	.402	.408	.417	.423	.427	.412
.418	.416	.416	.413	.414	.412	.414	.418	.425	.434	.439	.445	.427
.432	.432	.425	.424	.426	.421	.424	.429	.433	.445	.449	.452	.438
.461	.458	.456	.456	.451	.449	.453	.456	.464	.468	.472	.474	.464
.464	.462	.460	.458	.457	.456	.456	.460	.468	.474	.479	.483	.470

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

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
January .	76	75	75	76	78	81	84	87	88	89	90	90
February .	78	78	77	78	80	82	85	88	89	90	91	91
March . .	83	81	80	81	82	84	87	89	89	91	92	92
April . .	83	82	81	82	84	85	87	89	90	91	90	91
May . . .	85	82	82	81	82	84	86	88	87	88	89	89
June . . .	82	82	82	82	83	85	87	87	87	87	88	88
July . . .	82	81	81	81	82	85	87	87	88	88	89	89
August . .	85	84	83	84	86	87	89	90	90	90	90	90
September.	86	83	84	85	86	88	90	91	91	91	91	91
October .	82	82	83	83	85	87	89	90	90	91	92	92
November.	82	79	79	79	82	84	86	88	89	90	90	90
December .	78	77	77	77	79	83	86	88	89	89	89	90
Hourly Means	82	81	80	81	82	85	87	88	90	90	90	90

TABLE XXIX.—*Mean Gaseous pressure for the period from 1841*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January .	·755	·741	·725	·710	·703	·705	·717	·729	·741	·754	·762	·761
February .	·706	·682	·671	·657	·648	·655	·666	·674	·692	·702	·712	·711
March . .	·671	·650	·635	·624	·625	·631	·643	·657	·673	·687	·695	·693
April . .	·691	·674	·660	·648	·651	·662	·674	·687	·704	·714	·722	·723
May . . .	·776	·760	·744	·741	·749	·760	·773	·781	·794	·808	·811	·809
June . . .	·880	·865	·860	·849	·853	·861	·873	·885	·895	·906	·911	·907
July . . .	·946	·929	·915	·912	·915	·926	·938	·948	·958	·965	·971	·971
August . .	·937	·917	·907	·902	·904	·916	·925	·936	·948	·959	·964	·967
September.	·893	·880	·864	·858	·864	·876	·887	·903	·917	·929	·932	·932
October .	·843	·825	·815	·807	·809	·820	·836	·851	·867	·876	·882	·877
November.	·813	·799	·782	·776	·772	·777	·791	·806	·824	·834	·844	·838
December .	·792	·776	·766	·753	·743	·747	·763	·776	·792	·802	·814	·808
Hourly Means	·809	·791	·779	·770	·770	·778	·791	·803	·817	·828	·835	·833

TABLE XXX.—*Mean Pressure of the Wind*

Mean Time, St. Helena.	0 <sup>h</sup>	1 <sup>h</sup>	2 <sup>h</sup>	3 <sup>h</sup>	4 <sup>h</sup>	5 <sup>h</sup>	6 <sup>h</sup>	7 <sup>h</sup>	8 <sup>h</sup>	9 <sup>h</sup>	10 <sup>h</sup>	11 <sup>h</sup>
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
January .	1·25	1·16	1·12	1·10	1·07	1·12	1·08	1·12	1·12	1·09	1·16	1·30
February .	1·14	1·07	1·03	0·97	0·93	0·94	0·92	0·92	0·90	0·90	0·90	0·90
March . .	0·83	0·81	0·82	0·77	0·74	0·75	0·77	0·79	0·79	0·81	0·85	0·85
April . .	0·66	0·65	0·63	0·62	0·61	0·63	0·63	0·68	0·72	0·72	0·69	0·69
May . . .	0·65	0·64	0·68	0·67	0·69	0·70	0·73	0·74	0·76	0·74	0·72	0·70
June . . .	0·77	0·75	0·73	0·74	0·72	0·73	0·75	0·75	0·78	0·76	0·76	0·79
July . . .	0·99	0·93	0·86	0·86	0·83	0·85	0·81	0·85	0·83	0·88	0·89	0·87
August . .	1·31	1·24	1·17	1·14	1·17	1·17	1·18	1·17	1·23	1·28	1·30	1·29
September.	1·10	1·10	1·09	1·09	1·10	1·15	1·14	1·12	1·11	1·08	1·07	1·06
October .	1·37	1·31	1·22	1·19	1·22	1·25	1·27	1·28	1·25	1·22	1·25	1·26
November.	1·57	1·56	1·57	1·59	1·60	1·63	1·59	1·58	1·48	1·45	1·45	1·46
December .	1·28	1·31	1·31	1·25	1·22	1·23	1·25	1·22	1·22	1·16	1·12	1·16
Hourly Means	1·08	1·04	1·02	1·00	0·99	1·01	1·01	1·02	1·02	1·01	1·01	1·03

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for the period from 1841 to 1845, inclusive.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
90	90	90	90	90	89	89	88	87	84	81	78	85
91	91	91	91	91	91	91	91	90	88	84	81	86
93	93	93	93	93	93	93	93	92	89	86	85	89
91	91	91	91	91	91	91	91	91	88	86	84	88
89	89	89	89	90	90	90	89	88	87	86	84	87
88	88	89	87	88	88	89	89	88	86	86	84	86
88	89	89	89	89	88	88	88	89	86	85	84	86
92	91	91	90	89	90	91	91	91	89	89	86	89
91	91	91	91	93	92	92	92	91	90	87	86	89
92	92	92	92	92	92	92	92	92	89	90	90	89
90	90	90	90	90	90	90	89	88	86	83	82	87
90	90	90	90	90	90	90	90	89	85	83	80	86
90	90	91	90	91	90	91	90	90	87	86	84	87

to 1845, inclusive: 27 English inches, + the Decimals in the Table.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.748	.735	.727	.720	.724	.736	.755	.770	.771	.776	.775	.764	27.741
.701	.688	.676	.672	.674	.679	.693	.710	.712	.719	.720	.715	27.689
.684	.673	.661	.654	.650	.663	.672	.683	.692	.695	.694	.681	27.666
.723	.712	.699	.687	.687	.695	.706	.721	.727	.730	.733	.717	27.697
.805	.793	.787	.780	.779	.781	.794	.809	.811	.815	.812	.798	27.786
.898	.897	.886	.882	.878	.878	.890	.898	.909	.921	.910	.900	27.888
.968	.959	.946	.936	.934	.939	.946	.958	.964	.977	.977	.966	27.948
.956	.945	.936	.930	.928	.928	.940	.948	.960	.969	.966	.953	27.939
.925	.908	.896	.889	.885	.891	.903	.914	.922	.924	.922	.913	27.901
.866	.851	.837	.829	.830	.839	.851	.865	.873	.873	.867	.858	27.848
.826	.807	.801	.797	.798	.810	.825	.837	.847	.843	.839	.829	27.814
.797	.780	.770	.763	.769	.782	.798	.812	.814	.816	.811	.804	27.786
.824	.813	.802	.797	.795	.801	.814	.827	.833	.838	.836	.825	27.809

for the period from 1844 to 1845, inclusive.

12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>	20 <sup>h</sup>	21 <sup>h</sup>	22 <sup>h</sup>	23 <sup>h</sup>	Monthly Means.
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1.30	1.26	1.28	1.31	1.42	1.48	1.51	1.50	1.50	1.51	1.51	1.51	1.28
0.90	0.87	0.90	0.89	0.95	0.98	1.01	1.09	1.08	1.13	1.17	1.20	0.99
0.81	0.82	0.86	0.90	0.94	0.96	0.98	0.99	0.98	0.96	0.97	1.00	0.86
0.67	0.67	0.71	0.73	0.77	0.78	0.80	0.85	0.83	0.84	0.85	0.87	0.72
0.71	0.67	0.68	0.66	0.69	0.74	0.76	0.75	0.77	0.81	0.81	0.86	0.72
0.78	0.79	0.79	0.82	0.86	0.90	0.92	0.95	0.96	0.99	1.01	0.95	0.82
0.85	0.83	0.83	0.81	0.82	0.91	0.93	0.96	1.03	1.09	1.11	1.20	0.91
1.30	1.29	1.28	1.21	1.23	1.26	1.32	1.38	1.40	1.39	1.50	1.50	1.28
1.03	1.03	0.98	0.96	0.98	1.09	1.13	1.16	1.21	1.26	1.33	1.32	1.11
1.28	1.28	1.28	1.39	1.41	1.46	1.51	1.57	1.60	1.63	1.70	1.61	1.37
1.41	1.37	1.40	1.40	1.43	1.49	1.57	1.66	1.20	1.68	1.72	1.72	1.52
1.17	1.22	1.23	1.32	1.43	1.48	1.51	1.56	1.60	1.61	1.62	1.57	1.34
1.02	1.01	1.02	1.03	1.08	1.13	1.16	1.20	1.18	1.24	1.28	1.28	1.08



TABLE XXXI.

*Mean Annual Variations of the Meteorological Phenomena.*

Months.	Thermometer.	Elastic force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.	Force of the Wind.*
January . . .	+2.58	+0.027	-2	-0.040	-0.068	+0.20
February . . .	+4.47	+0.067	0	-0.052	-0.120	-0.09
March . . .	+4.84	+0.089	+2	-0.053	-0.143	-0.22
April . . .	+4.20	+0.075	+1	-0.035	-0.111	-0.36
May . . .	+1.65	+0.021	0	-0.001	-0.023	-0.36
June . . .	-1.33	-0.027	-1	+0.053	+0.079	-0.26
July . . .	-3.41	-0.058	-1	+0.082	+0.139	-0.17
August . . .	-4.23	-0.059	+2	+0.072	+0.130	+0.20
September . . .	-4.33	-0.058	+2	+0.035	+0.092	+0.03
October . . .	-3.17	-0.043	+2	-0.003	+0.039	+0.29
November . . .	-1.56	-0.032	0	-0.026	+0.005	+0.44
December . . .	+0.37	-0.006	-1	-0.028	-0.023	+0.26

\* The force of the wind in this and the following Table is derived from the registry by Osler's Anemometer for two years only, viz. 1844 and 1845.

TABLE XXXII.

*Mean Diurnal Variations of the Meteorological Phenomena.*

Hours.	Thermometer.	Elastic force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.	Force of the Wind.
0	+2.99	+0.014	-5	+0.016	0.000	0.00
1	+3.40	+0.016	-6	-0.001	-0.018	-0.04
2	+3.46	+0.014	-7	-0.015	-0.030	-0.06
3	+3.14	+0.011	-6	-0.027	-0.039	-0.08
4	+2.47	+0.008	-5	-0.030	-0.039	-0.09
5	+1.39	+0.004	-2	-0.026	-0.031	-0.07
6	+0.29	0.000	0	-0.018	-0.018	-0.07
7	-0.43	-0.001	+1	-0.006	-0.006	-0.06
8	-0.74	-0.002	+3	+0.007	+0.008	-0.06
9	-1.02	-0.002	+3	+0.018	+0.019	-0.07
10	-1.17	-0.003	+3	+0.024	+0.026	-0.07
11	-1.32	-0.004	+3	+0.021	+0.024	-0.05
12	-1.48	-0.006	+3	+0.010	+0.015	-0.06
13	-1.63	-0.008	+3	-0.002	+0.004	-0.07
14	-1.80	-0.010	+4	-0.016	-0.007	-0.06
15	-1.92	-0.012	+3	-0.025	-0.012	-0.05
16	-2.00	-0.013	+4	-0.026	-0.014	0.00
17	-2.07	-0.014	+3	-0.021	-0.008	+0.05
18	-2.09	-0.014	+4	-0.007	+0.005	+0.08
19	-1.84	-0.010	+3	+0.009	+0.018	+0.12
20	-1.04	-0.001	+3	+0.023	+0.024	+0.10
21	+0.15	+0.004	0	+0.034	+0.029	+0.16
22	+1.18	+0.009	-1	+0.037	+0.027	+0.20
23	+2.19	+0.013	-3	+0.030	+0.016	+0.20

ABSOLUTE VALUES AND ANNUAL VARIATIONS.

*Temperature.*—The mean temperature derived from the five years of observation is 61°·4; a maximum is attained about the middle of March, and a minimum early in September; the progression from the maximum to the minimum and from the minimum to the maximum is continuous; the mean is passed through at nearly equal intervals, viz. early in June and about the middle of December. The mean height of the thermometer in the different months ranged from 57°·07 in September to 66°·24 in March, being a difference on the average of only 9°·17 between the hottest and coldest months. The extreme range of the thermometer in each year was as follows:—

TABLE XXXIII.

YEARS.	Highest.	Lowest.	Extreme Range.
1841	73°·2 on Feb. 8	53°·9 on Aug. 19	19°·3
1842	77°·6 ,, Mar. 3	52°·1 ,, July 19	25°·5
1843	73°·2 ,, Feb. 23	52°·3 ,, Aug. 20	20°·9
1844	74°·8 ,, Mar. 12	53°·0 ,, Sept. 12	21°·8
1845	71°·7 ,, April 25	52°·0 ,, Sept. 5	19°·7

The following table shews the extreme range in each month during the whole period of five years:—

TABLE XXXIV.

MONTHS.	1841		1842		1843		1844		1845		Extreme Range in each Month.					
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	1841	1842	1843	1844	1845	Mean.
January .	70°·6	59°·2	72°·5	59°·1	73°·1	60°·3	No Observations.		70°·2	58°·8	11°·4	13°·4	12°·8	—	11°·4	12°·2
February	73°·2	60°·0	72°·8	61°·6	73°·2	61°·4	74°·3	62°·5	71°·8	60°·2	13°·2	11°·2	11°·8	11°·8	11°·6	11°·9
March .	71°·8	61°·9	77°·6	62°·6	71°·3	61°·9	74°·8	63°·4	71°·3	60°·5	9°·9	15°·0	9°·4	11°·4	10°·8	11°·3
April . .	71°·6	61°·0	71°·6	61°·1	69°·9	61°·5	74°·8	63°·1	71°·7	61°·6	10°·6	10°·5	8°·4	11°·7	10°·1	10°·3
May . .	69°·5	57°·5	71°·1	57°·8	68°·2	56°·7	70°·2	59°·3	71°·0	59°·0	12°·0	13°·3	11°·5	10°·9	12°·0	11°·9
June . .	69°·2	55°·2	68°·6	55°·4	65°·1	54°·3	66°·4	57°·2	65°·9	55°·2	14°·0	13°·2	10°·8	9°·2	10°·7	11°·6
July . .	65°·0	54°·9	62°·7	52°·1	62°·2	52°·7	64°·0	53°·6	63°·9	53°·5	10°·1	10°·6	9°·5	10°·4	10°·4	10°·2
August .	63°·8	53°·9	62°·0	52°·4	63°·5	52°·3	63°·7	53°·3	61°·1	53°·4	9°·9	9°·6	11°·2	10°·4	7°·7	9°·8
September	64°·7	54°·2	66°·9	54°·0	63°·7	53°·0	66°·6	53°·0	61°·7	52°·0	10°·5	12°·9	10°·7	13°·6	9°·7	11°·5
October .	66°·3	54°·0	66°·2	53°·8	63°·7	53°·5	65°·3	53°·8	67°·8	54°·9	12°·3	12°·4	10°·2	11°·5	12°·9	11°·9
November	71°·4	55°·3	69°·0	56°·2	67°·8	54°·7	65°·5	56°·0	66°·4	55°·6	16°·1	12°·8	13°·1	9°·0	10°·8	12°·4
December	70°·6	59°·2	72°·5	55°·6	72°·4	58°·0	69°·0	56°·5	67°·7	55°·7	11°·4	16°·9	14°·4	12°·5	12°·0	13°·4

The lowest recorded height of the thermometer in the five years was 52°·0 on September 5, 1845, and the highest 77°·6 on March 3, 1842; extreme range in the five years 25°·6.

By simultaneous hourly observations made for 24 hours on the 2nd of May, 1844, at the Observatory, and at the level of the sea, with thermometers freely exposed to the air but protected as far as possible from disturbing influences, the temperature at that season was found to be  $7^{\circ}07$  higher at the sea-side than at the Observatory. Both stations are on the windward side of the island; the Observatory is at an elevation of 1765 feet, and is situated about  $2\frac{1}{2}$  miles from the sea on a nearly level and naked plain, and with only one intervening point higher than itself. If the difference thus found be regarded as approximately the mean difference between the Observatory and the sea-side, the mean height of the thermometer at the level of the sea on the windward side of the island may be considered to be  $61^{\circ}40 + 7^{\circ}07 = 68^{\circ}47$  or  $68^{\circ}5$ . Circumstances have hitherto prevented this comparison being made on a more extensive basis of observation, but arrangements are now in progress by which it is hoped it may be effected.

Tables XX. and XXV. contain the mean Annual, Monthly, and Hourly temperature at the Observatory for each of the years from 1841 to 1845 inclusive, and for the whole period; and in Tables XXXI. and XXXII. will be found the differences of the temperature from the respective means in each month and at each hour; or, in other words, the annual and the diurnal variations of the Temperature.

*Barometer.*—The barometric pressure derived from the five years of observation has a minimum in the beginning of March, and a maximum towards the end of July; and between those periods the progression from the maximum to the minimum and from the minimum to the maximum is continuous and uninterrupted.

The mean pressure in the five years was  $28\cdot278^{\text{in}}$ , or, with the correction of  $+0\cdot007$  to the Royal Society's flint-glass standard barometer applied,  $28\cdot285^{\text{in}}$ . The mean in March, which is the lowest month, was  $28\cdot232^{\text{in}}$  (corrected); and in July, which is the highest month,  $28\cdot367^{\text{in}}$ : the range in the different months was therefore  $0\cdot135^{\text{in}}$ . The greatest depression which occurred at any observation hour during the five years was  $28\cdot094^{\text{in}}$ , on March 14, 1843; and the greatest elevation,  $28\cdot497^{\text{in}}$ , on July 9, 1842; extreme range in the five years,  $0\cdot403^{\text{in}}$ . The highest and lowest registry of the barometer and the extreme range, in each of the five years, was as follows:—

TABLE XXXV.

YEARS.	Highest.	Lowest.	Extreme Range.
1841	In. 28·441 on June 13	In. 28·102 on Nov. 26	In. 0·339
1842	28·497 ,, July 9	28·118 ,, Feb. 15	0·359
1843	28·465 ,, Aug. 27	28·094 ,, Mar. 14	0·371
1844	28·472 ,, July 15	28·142 ,, Dec. 21	0·330
1845	28·448 ,, { June 26 July 13	}28·143 ,, Jan. 16	0·305

Although the annual variation is thus small, it is very systematic and regular. The months during which the barometer is highest are those in which the temperature is

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Fig. 1. Annual Variations of the Temperature, Elasticity of Vapour, Barometric and Gaseous Pressure, from the observations of Five Years.

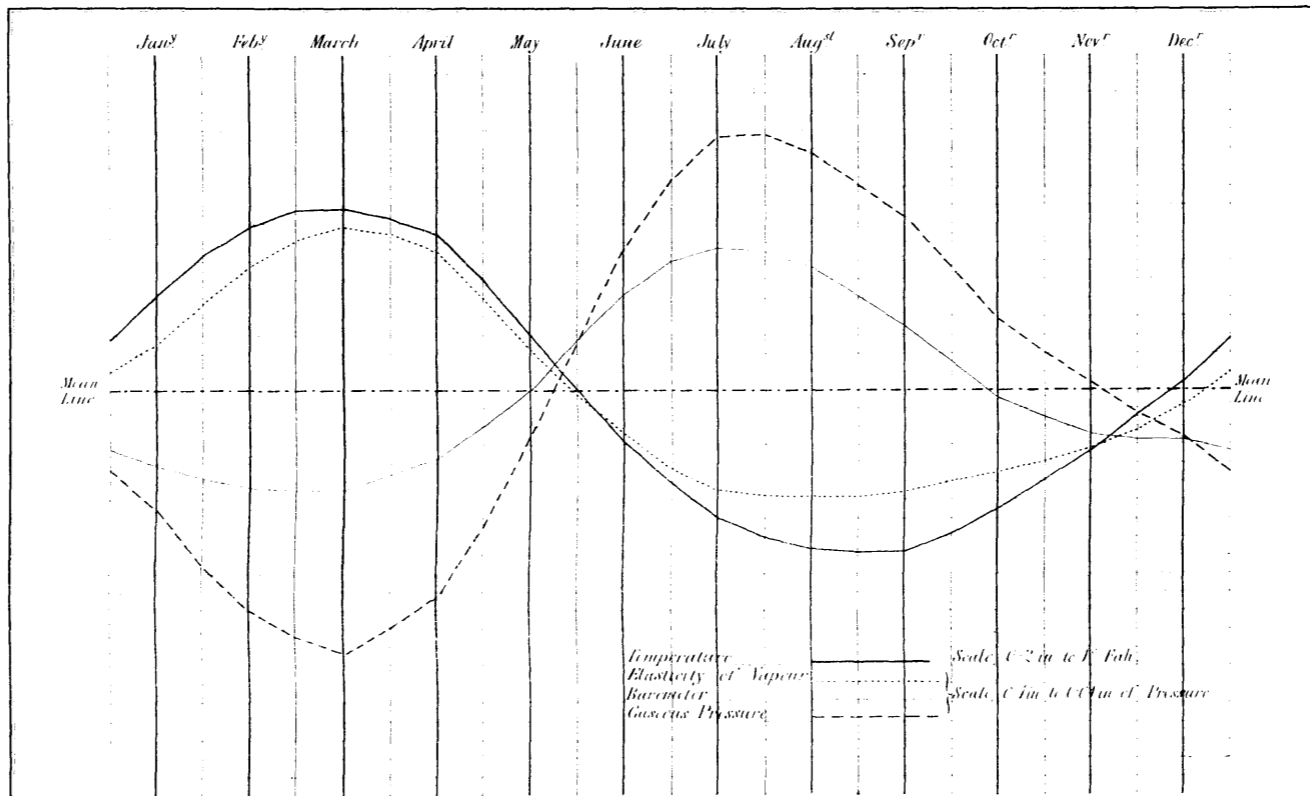
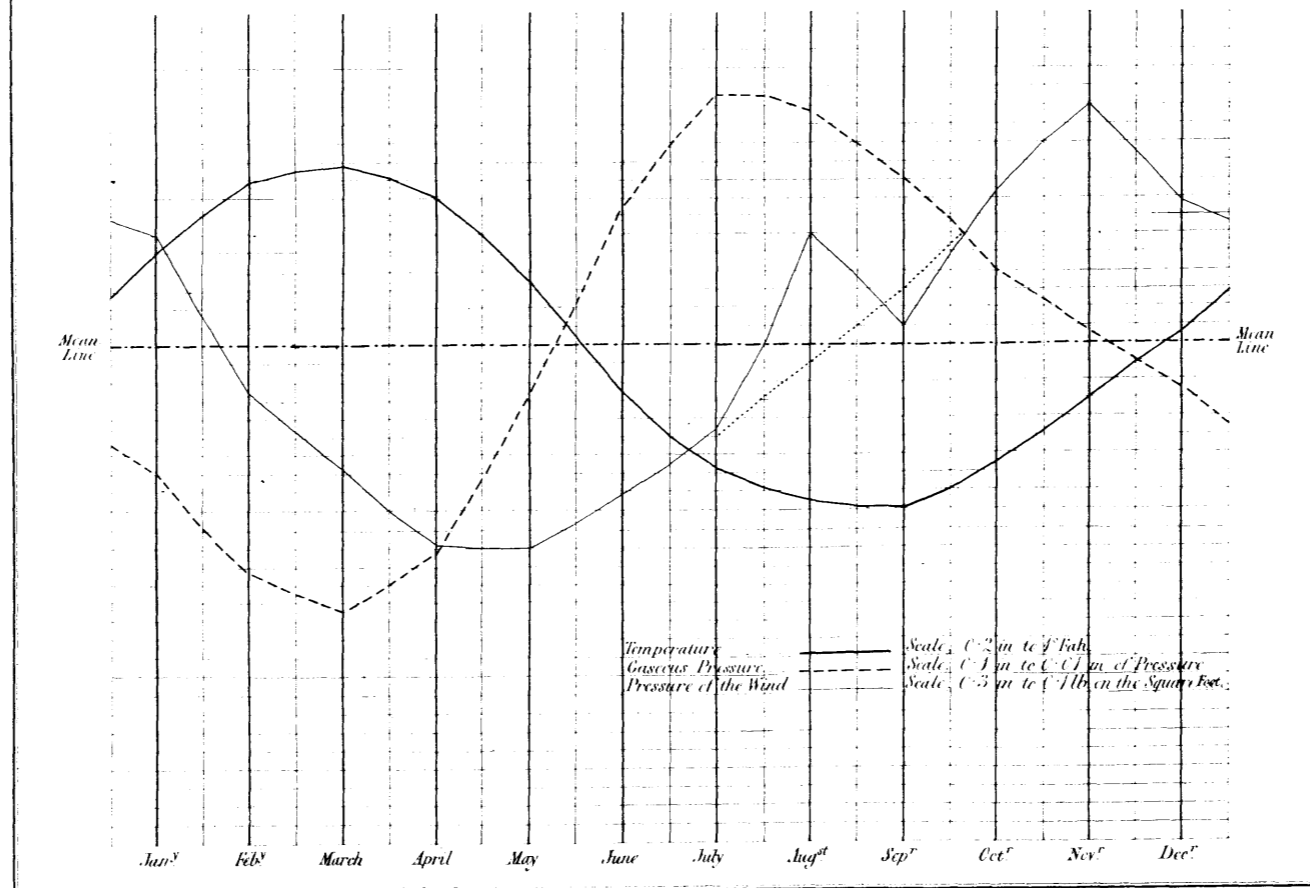


Fig. 2. Annual Variations of the Temperature and Gaseous Pressure from the observations of Five Years, and of the Pressure of the Wind from the Registry of Celsus Anemometer, during Two Years.



lowest ; and, conversely, the months in which the barometer is lowest are those in which the temperature is highest. The annual barometric variation, therefore, corresponds in character with that of the gaseous pressure, and has its maximum and minimum at opposite seasons to those of the elasticity of the aqueous vapour. The phenomena at St. Helena accord in this respect with the barometric variation at stations of a very different description, viz. at stations in the temperate zone situated in the interior of great continents, and which are specially regarded as possessing the characteristics of a *Continental* climate. The annual variation of the barometer, or the deviation of its curve from that of a straight line, represents the difference in amount between the annual variations of the respective elasticities of the dry air and of the aqueous vapour, the curves of which are in opposite directions. The barometric curve must therefore correspond in its relations of convexity and concavity, at the periods of its minimum and maximum, with the one of the two other curves which at those periods departs most widely from its mean line. At St. Helena it is the curve of gaseous pressure which does so ; the annual variation of the local temperature being small in consequence of the insular position of the station, the variation of the elasticity of the vapour is also small ; but the variation of the gaseous pressure, being influenced by other and distant circumstances, is not similarly limited, and is greater in amount. The barometric curve consequently accords in general direction with that of the gaseous pressure, and has thus the periods of its maximum and minimum at opposite seasons to those of the curves of temperature and of the elasticity of the vapour. At the continental stations above referred to, the annual variation of the temperature is on the other hand excessively great, constituting a *local* cause whereby the annual variation of the gaseous pressure is rendered very great also, whilst the range of the elasticity of vapour is necessarily limited by the sources being few or distant from whence vapour might be supplied. Thus the same peculiar feature is produced in the annual variation of the barometer, at stations of very different description, by the influence of circumstances of very opposite character. The annual variations of the barometric and gaseous pressure, and of the elasticity of vapour and temperature at St. Helena are projected in Plate VI., Fig. 1.

Tables XXI. and XXVI. contain the mean Annual, Monthly, and Hourly heights of the barometer for the whole period from 1841 to 1845 inclusive ; and Tables XXXI. and XXXII. the annual and diurnal variations of the whole atmospheric pressure derived from the five years.

The mean height of the barometer at the Observatory at an elevation of 1765 feet has been shown to be  $28.285^{\text{in}}$ . on the average of the five years, when a correction is applied for the difference between the indications of the St. Helena standard and the flint-glass barometer of the Royal Society. Simultaneous observations with those in the Observatory were made at every hour from April 22 to May 3, 1844 (omitting the Sundays), with a portable barometer stationed near the level of the sea, for the purpose of ascertaining how much the column of mercury is shortened by being raised to the

elevation at which the Observatory is situated. The spot selected for the observations by the sea-side is thus described by Captain Smythe :—

“The situation chosen was at Prosperous Bay, as the nearest spot where the sea can be got down to in the vicinity of the Observatory. The distance from the Observatory is about 4200 yards in a direction E. by N. The cliffs which line the bay at one place divide and recede to give passage to a narrow ravine, which, descending from the central ridge of the island, here meets the sea. In the centre of this narrow opening, and about 10 yards from the surf, stands a sort of Martello tower. As it is at present unoccupied by troops, the entrance into it is built up ; but the position of the sun, combined with the direction and narrowness of the valley, was such, that one side of the tower was in shade throughout the day, with the exception of a short period in the morning. Here the barometer was placed within a wooden case resembling a clock-case, having a door in front and an aperture behind at the height of the scale to admit the light in observing, and which was closed by a slide at other times. The cistern of the barometer was a few inches above the ground.

“To determine the level of the sea, a tide-gauge was formed of a four-sided pipe, which was made fast in the water perpendicularly against the face of a low level rock ; its lower end, which rested upon the stones at the bottom, was closed by a piece of wood, through which a small hole admitted the water and reduced its motion. Within the pipe was a cork float, from which rose a light rod, which passed through a collar above to steady it, and carried a small index on its top. The two sides of the pipe towards the sea were continued several feet above the other two, and on the inside of one of them the scale was painted in inches. By observations taken at intervals of five minutes, the time and height of high and low water were determined as nearly as the rude nature of the apparatus permitted. The result of eight pairs of observations gives about  $2\frac{1}{2}^h$  for the establishment, and 2 feet 9 inches for the mean rise of the tide. The height of the cistern of the barometer was ascertained by levelling to be 9 feet 3 inches above the mean level of the sea.

“The portable barometer was compared with the standard before being taken down to the sea, and again on its return. On suspending it for the comparison on the return, it was perceived that the thermometer tube was empty. This accident must have occurred in bringing the instrument up from the sea, as it was uninjured when the last observation was made by the sea-side. As the ball of the thermometer dipped into the cistern, it is probable that when the glass became broken the mercury flowed into the cistern. The difference of the corrections to the standard before and after the accident was very small. The mean difference in the actual readings of the two barometers, as they were suspended side by side in the Observatory, was found, by a comparison carried on for several weeks before the portable barometer was taken to the sea-side, to be,  $S = P - 0.039^{in.}$ . A similar comparison after the return gave the difference of readings  $- 0.047^{in.}$ . The result of the antecedent comparison,  $- 0.039$ , is

considered therefore to be the difference which should be employed in comparing the observations by the sea with those in the Observatory; the elements of correction marked on the instrument are, neutral point = 29·846; capacity  $\frac{1}{8}$ ; capillarity + 0·036.”

The mean reading of the standard barometer at the Observatory in the months of February, March, and April, when the barometers were suspended side by side, was 28·314<sup>in.</sup>; if to this we add the difference of 0·039, found as above stated, we have 28·353<sup>in.</sup> as the corresponding reading of the portable barometer; but from this we must deduct  $\frac{29\cdot846 - 28\cdot353}{48} = 0\cdot031$ , the correction of the zero of the scale on account of the rise of the mercury in the cistern (that correction being a variable one, and dependent on the height of the column of mercury); we have, therefore, the corrected reading of the portable barometer = 28·322<sup>in.</sup>, and its index correction to the standard of the Observatory 28·314 – 28·322 = – 0·008<sup>in.</sup>. The mean height of the standard barometer in the 384 comparative observations made between the 22nd of April and the 3rd of May (reduced to 32°) was 28·237<sup>in.</sup>; and of the portable barometer at the sea-side (corrected for the zero of its scale) 30·164 at 78°, whence, if the standard barometer had been in the place of the portable, its mean height would have been (30·164<sup>in.</sup> – 0·008 =) 30·156 at 78°, or 30·023 at 32°. The mean height of the barometer in the Observatory, derived from the five years of observation with the standard, is 28·285<sup>in.</sup> when corrected to the standard of the Royal Society; and if we add to this (30·023 – 28·237 =) 1·786<sup>in.</sup> as due to the difference of level between the two stations (1765 – 9·25 = 1755·75 feet), we have 30·071<sup>in.</sup> as the mean barometric height at 9 feet 3 inches above the mean level of the sea, on the windward side of the island and in a free exposure; whence we may take 30·08 in round numbers as corresponding to the sea-level.\*

*Aqueous vapour.*—The mean elastic force of the aqueous vapour at the Observatory during the five years from 1841 to 1845, is 0·470<sup>in.</sup>; the mean in the different months varies from 0·559<sup>in.</sup>, the maximum in March, to 0·411<sup>in.</sup>, the minimum in August; the range in different months was therefore 0·148<sup>in.</sup>. The variations of the elasticity of

\* In the table of the approximate mean annual pressures of the atmosphere in different latitudes deduced from Dr. Adolph Erman's barometric observations in the Atlantic and Pacific Oceans in both hemispheres, which I communicated to Lieut. Clerk, R.A. (Phil. Trans. for 1846, p. 436), the mean annual barometric pressures corrected for gravity in the latitudes of 10°, 15°, and 20°, are given as follows (St. Helena being in – 15° 57') :—

10°	30·03	English inches.
15°	30·07	„
20°	30·11	„

The correction for gravity, *i. e.* for the variation which the length of the column of mercury undergoes by the variation of gravity in different latitudes, is in round numbers – 0·06 in the latitude of – 16°. We must therefore diminish 30·08, the mean height derived from the observations at St. Helena, by 0·06, to bring it in comparison with the values in Dr. Erman's Table, which are all supposed to be measured by an invariable standard, viz. by a column of mercury such as it exists under the gravitating force which belongs to the latitude of 45°. The height derived from the observations at St. Helena thus reduced becomes 30·02, which is about six-hundredths of an inch less than Dr. Erman's value; we must, however, regard 30·02 as in some degree a provisional value, until the standard barometer at St. Helena has been again compared with the standard of the Royal Society.



vapour follow closely the variations of the temperature; and as the annual range of the latter is small, so also is that of the elasticity of the vapour.

*Gaseous pressure.*—The pressure of the dry air, obtained by deducting the elastic force of the vapour from the total barometric pressure, is shown by the observations of the five years to have its minimum in March, and its maximum towards the end of July. The minimum was  $27\cdot673^{\text{in.}}$ , and the maximum  $27\cdot955^{\text{in.}}$ \* The range in the different months was consequently  $0\cdot282^{\text{in.}}$ , which is nearly double that of the elasticity of the vapour. The mean gaseous pressure in the five years of observation was  $27\cdot816^{\text{in.}}$ ; the pressure was below the mean from December to May inclusive, and above the mean from June to November inclusive.

We find the minimum of gaseous pressure, and the maximum of the elasticity of the vapour, both occurring in the month of March, which is also the month of highest temperature; but the maximum of gaseous pressure occurs in July, and is earlier than the minima of temperature and of the force of vapour, which do not take place until the end of August or beginning of September.

We know that the equatorial zone of calms, which is bounded by the N.E. trade-wind on the one side, and by the S.E. trade on the other, is also a zone of low gaseous pressure; and that the pressure increases progressively on either side of this zone until it reaches a maximum, which in both hemispheres is found a little beyond the outer limits of the trades, and is probably subject to similar periodical fluctuations in latitude to those which the limits of the trade-winds undergo; the turning periods of the annual variation of the gaseous pressure, at a station within the prevalence of the trade-wind, may therefore afford an indication of the epochs when the line of maximum pressure in that hemisphere, and in the same and adjacent meridians, attains its extremes in geographical position; in the one case following the sun when he crosses the equator to the opposite hemisphere, and in the other case receding from him on his return. The phenomena observed at St. Helena would in this view assign March as the month when the line of highest gaseous pressure in the southern hemisphere is most remote from the island; and July as the month when it approaches nearest.

From Table XXIV., showing the variations of the pressure of the wind on the plate of Osler's anemometer in the years 1844 and 1845, we learn that the strength of the trade-wind, which at St. Helena blows throughout the year, is least in April and May; that it progressively increases from that period until November, when its force is greatest, being about twice as great in November as in April and May; and that it decreases from November until the minimum in April or May. It is strongest, therefore, at the period when the sun, in his passage from the equator to high southern declination, is vertical at St. Helena. From that period its strength begins to decline, and continues to do so during the whole remainder of the time that the sun has south declination; nor does it reach a minimum until about six weeks after the sun has crossed the equator on

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\* In the deduction of these values the barometric pressures have been taken with the correction to the Royal Society's standard barometer.

his passage northward. The epochs of maximum and minimum in the strength of the wind at St. Helena, are therefore later than the corresponding epochs of maximum and minimum of the temperature and atmospheric pressure. Plate VI. Fig. 2.\*

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DIURNAL VARIATIONS.

*Temperature.*—The diurnal variation of the temperature has one maximum and one minimum, with an uninterrupted progress from the one to the other. On the average of the five years the maximum falls at 2<sup>h</sup> and the minimum at 18<sup>h</sup>; but occasionally in some of the months the maximum occurs at 1<sup>h</sup> instead of at 2<sup>h</sup>, and the minimum at 17<sup>h</sup> instead of at 18<sup>h</sup>. The diurnal range is greatest in December and least in June; its amount in the different months, derived from the five years, is as follows:—

January 6.68	April 5.49	July 4.52	October 5.97
February 6.43	May 5.05	August 4.73	November 6.54
March 5.86	June 4.29	September 5.05	December 6.56

The mean is 5.6.

The mean temperature of the day is passed through on the average at about 8<sup>h</sup> 50<sup>m</sup> in the morning, and at about 6<sup>h</sup> 20<sup>m</sup> in the evening; the temperature is therefore above the mean for about 9½ hours, and below it for about 14½ hours.

*Elasticity of Vapour.*—The elasticity of the vapour is a simple progression corresponding with that of the temperature, which it closely resembles in many particulars; it has a maximum on the average at 1<sup>h</sup>, but which occasionally falls at 0<sup>h</sup> or 2<sup>h</sup>, and a minimum at 17<sup>h</sup> or 18<sup>h</sup>, or occasionally an hour earlier. The number of hours during which the elasticity of the vapour is above or below the mean is nearly the same as in the case of the temperature. The diurnal range in the several months is as follows, being least in January and greatest in May:—

January <sup>In.</sup> .019	April <sup>In.</sup> .038	July <sup>In.</sup> .029	October <sup>In.</sup> .036
February .021	May .040	August .033	November .036
March .030	June .037	September .033	December .029

The mean is <sup>In.</sup> .032.

*Humidity.*—The air is of nearly the same relative degree of humidity throughout the hours of the night, or from 8<sup>h</sup> to 16<sup>h</sup>. From daybreak it becomes progressively more and more dry until 2<sup>h</sup>, which is the least humid hour in the twenty-four. From 2<sup>h</sup> to 8<sup>h</sup> the humidity increases uninterruptedly. The mean degree of humidity in the year is 87; or there is present in the air on the average nearly nine-tenths of the quantity of

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\* By the observations with Osler's anemometer in 1844 and 1845, it would seem that an interruption in the continuity of progression takes place in the pressure of the wind in the month of September: the observations of succeeding years will decide whether this be a regular feature or an accidental circumstance.

aqueous vapour required for saturation: the climate of the observatory is therefore extremely humid, showing its proximity to the plane of condensation of the vapour.

*Barometer.*—The diurnal variation of the barometer has two maxima and two minima: the maxima are at 10<sup>h</sup> and 22<sup>h</sup>, and the minima at 4<sup>h</sup> and 16<sup>h</sup>. From November to February, the maximum at 22<sup>h</sup> and the minimum at 16<sup>h</sup>, frequently fall an hour earlier, viz. the maximum at 21<sup>h</sup> and the minimum at 15<sup>h</sup>; and from May to August the minimum, which in other months occurs at 4<sup>h</sup>, occasionally takes place at 3<sup>h</sup>: the maximum at 10<sup>h</sup> is more steady to its period than are the others. The maximum at 22<sup>h</sup> and the minimum at 4<sup>h</sup> usually depart somewhat more widely in amount of the mean than those at 10<sup>h</sup> and 16<sup>h</sup>. The range of the diurnal variation in the different months is as follows:—

January	·069	April	·078	July	·061	October	·065
February	·070	May	·072	August	·064	November	·067
March	·075	June	·062	September	·062	December	·068

The mean is ·068.

*Gaseous Pressure.*—The diurnal variation of the gaseous pressure has two maxima and two minima in the twenty-four hours; the maxima are at 10<sup>h</sup> and 21<sup>h</sup>, and the minima at 3½<sup>h</sup> and 15½<sup>h</sup>. The maximum at 10<sup>h</sup> occasionally falls at 11<sup>h</sup>, and the maximum at 21<sup>h</sup> occasionally either at 20<sup>h</sup> or at 22<sup>h</sup>. The afternoon minimum takes place earlier from May to August than from March to February, being in the one case at 3<sup>h</sup> and in the other at 4<sup>h</sup>; but the minimum, which takes place about the same number of hours after midnight, occurs earlier from November to February than from May to August, viz. at 15<sup>h</sup> from November to February, and at 16<sup>h</sup> from May to August. The afternoon minimum is considerably lower throughout the year than the minimum which takes place after midnight. The diurnal range in the different months is as follows:—

January	·079	April	·085	July	·065	October	·076
February	·072	May	·074	August	·067	November	·075
March	·071	June	·072	September	·074	December	·073

The mean is ·074.

*Force of the Wind.*—The force of the wind appears to have a decided maximum between 22<sup>h</sup> and 23<sup>h</sup>, and a minimum about 4<sup>h</sup>. From 5<sup>h</sup> or 6<sup>h</sup> to 15<sup>h</sup> it remains nearly stationary, except that there is a tendency to a second maximum at 11<sup>h</sup>, shown in both years, followed by a minimum, also of inferior character, at 13<sup>h</sup>. At 0<sup>h</sup> and 16<sup>h</sup> the pressure coincides with the mean of the twenty-four hours.

The strength of the wind at St. Helena is at all times so small that Osler's Anemometer, as made at least by Mr. Newman for the colonial observatories, scarcely affords a satisfactory means of measuring its variations, even with the improved springs which were sent out and taken into use in 1843. An anemometer of the construction devised by Dr. Robinson, which records the velocity even of the lightest winds, has been sent

out in the present year ; and should it prove to work at St. Helena as well as it does at Armagh under the superintendence of its inventor, it may be expected to furnish a true and exact measure of the current of the trade wind as it passes St. Helena, together with its annual and diurnal variations of velocity.

*Comparison of the Diurnal Variation of the Barometer at the Observatory and at the Level of the Sea.*—This comparison was made by means of the simultaneous hourly observations already adverted to, which were carried on from April 16 to May 2, 1844, inclusive. The observations themselves are given in pages 513 to 516. The subjoined table, No. XXXVI., contains the results of the comparison in respect to the diurnal variation. The first compartment of the table shows the diurnal variation at the level of the sea, arranged in periods of six days each, together with the mean in each period. The second compartment shows the corresponding particulars for the barometer at the observatory. The final column contains the differences at each hour between the diurnal variation at the observatory and at the sea-side.

TABLE XXXVI.

Hours.	At the level of the Sea.				At the Observatory, 1765 feet above the sea.				(a) - (b).
	April 16 to 21.	April 22 to 27.	April 28 to May 2.	Mean (a).	April 16 to 21.	April 22 to 27.	April 28 to May 2.	Mean (b).	
	In.	In.	In.	In.	In.	In.	In.	In.	In.
0	+·026	+·013	+·011	+·017	+·026	+·014	+·009	+·016	+·001
1	000	+·002	-·004	-·001	+·007	000	-·005	+·001	-·002
2	-·024	-·012	-·026	-·021	-·013	-·013	-·026	-·017	-·004
3	-·039	-·027	-·039	-·035	-·028	-·026	-·032	-·029	-·006
4	-·046	-·032	-·029	-·036	-·030	-·028	-·032	-·030	-·006
5	-·039	-·026	-·022	-·029	-·027	-·023	-·022	-·024	-·005
6	-·030	-·019	-·015	-·021	-·025	-·017	-·015	-·019	-·002
7	-·017	-·004	-·007	-·009	-·017	-·005	-·005	-·009	000
8	-·003	+·014	+·010	+·009	+·004	+·008	+·013	+·008	+·001
9	+·016	+·022	+·024	+·021	+·013	+·018	+·027	+·019	+·002
10	+·020	+·020	+·025	+·022	+·015	+·019	+·028	+·021	+·001
11	+·021	+·013	+·023	+·019	+·011	+·012	+·025	+·016	+·003
12	+·018	+·002	+·016	+·012	+·010	+·003	+·019	+·011	+·001
13	-·001	-·008	+·002	-·002	-·001	-·007	+·002	-·002	000
14	-·008	-·017	-·013	-·013	-·017	-·017	-·015	-·016	+·003
15	-·017	-·025	-·027	-·023	-·026	-·023	-·023	-·024	+·001
16	-·023	-·028	-·031	-·027	-·028	-·026	-·029	-·028	+·001
17	-·021	-·024	-·031	-·025	-·025	-·023	-·030	-·026	+·001
18	-·011	-·011	-·013	-·012	-·006	-·012	-·018	-·012	000
19	+·011	+·010	+·008	+·010	+·015	+·004	-·002	+·006	+·004
20	+·029	+·024	+·028	+·027	+·030	+·023	+·011	+·021	+·006
21	+·042	+·036	+·038	+·039	+·041	+·034	+·034	+·036	+·003
22	+·050	+·044	+·050	+·048	+·046	+·038	+·043	+·042	+·006
23	+·040	+·040	+·030	+·037	+·039	+·034	+·032	+·035	+·002
Extremes.	—	—	—	+·048 -·036	—	—	—	+·042 -·036	—
Diurnal Range.	—	—	—	·084	—	—	—	·072	+·012

*Remarks on Table XXXVI.*—There is no traceable difference in the hours either of maxima or of minima: the diurnal range at the observatory is less than at the sea-side in the proportion of 6 to 7, which appears to be chiefly occasioned by the minimum at 4<sup>h</sup> and the maximum at 22<sup>h</sup> departing less widely from the respective daily means at the observatory than at the sea level. The effect of the diurnal variation is to lessen the difference between the barometer at the sea and at the observatory during the hours of the afternoon (or more precisely from 1 to 6 P. M.), and to increase it generally at all the other hours.

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#### BAROMETRICAL MEASUREMENT OF THE LUNAR ATMOSPHERIC TIDE.

For the purpose of this investigation the barometrical observations made at the several hours of mean solar time, were in the first place cleared from the effect of the diurnal variation resulting from the sun's influence and corresponding consequently to the hours of solar time; the observations thus corrected (or more precisely the residual quantities obtained by deducting from each observation the mean height of the barometer in the same month and at the same hour) were re-arranged in tables having columns representing the hours of the moon's distance from the meridian, each residual quantity being placed in the column to which the observation which furnished it corresponded most nearly in respect to time. A mean was then taken for each month of the quantities ranged in each column; and it was expected that the means thus obtained would exhibit the influence of the variation in the effect of the moon's attraction on the atmosphere, if that variation should be sufficient to show itself in the barometer; and that in such case the barometric pressure would prove to be greatest about 0<sup>h</sup> and 12<sup>h</sup> of lunar time, and least about 6<sup>h</sup> and 18<sup>h</sup>. The observations employed were those from October 1843 to September 1845 inclusive; the monthly means at the several lunar hours, arranged in periods of six months, give the following results for the barometrical variation corresponding to the lunar hours; the sign + indicates that the barometer was above its mean height, by the quantity to which the sign is prefixed, on the mean of all the observations occurring between half an hour before and half an hour after the lunar hour under which the quantity is ranged; and the sign - the converse:—

TABLE XXXVII.

1. From 6 to 18 Hours of lunar time.

	LUNAR HOURS.												
	6	7	8	9	10	11	12	13	14	15	16	17	18
Oct. 1843 to Mar. 1844	-0018	-0016	-0019	-0013	-0004	+0014	+0021	+0020	+0015	-0006	-0002	-0005	-0008
Apr. 1844 to Sept. 1844	-0028	-0027	-0011	-0004	-0006	+0009	+0005	-0002	-0007	-0009	-0015	-0014	-0015
Oct. 1844 to Mar. 1845	-0007	-0003	+0005	+0010	+0017	+0006	+0011	+0007	-0004	-0024	-0024	-0026	-0026
Apr. 1845 to Sept. 1845	-0032	-0024	-0008	+0008	+0016	+0026	+0027	+0022	+0018	+0010	-0006	-0015	-0021
Mean of the 1st Year	-0023	-0022	-0015	-0009	-0005	+0012	+0013	+0009	+0004	-0008	-0009	-0010	-0012
Mean of the 2nd Year	-0020	-0014	-0002	+0009	+0016	+0016	+0019	+0015	+0007	-0007	-0015	-0021	-0025
Mean of the 4 Half Years . . . . .	-00212	-00175	-00082	+00002	+00058	+00138	+00160	+00118	+00055	-00072	-00118	-00150	-00182

TABLE XXXVII.—continued.

2. From 18 to 6 Hours of lunar time.

	LUNAR HOURS.												
	18	19	20	21	22	23	0	1	2	3	4	5	6
Oct. 1843 to Mar. 1844	-0008	-0007	+0003	+0012	+0016	+0018	+0017	+0012	+0004	-0007	-0021	-0018	-0018
Apr. 1844 to Sept. 1844	-0015	-0005	+0003	+0018	+0024	+0027	+0023	+0020	+0015	+0007	-0001	-0013	-0028
Oct. 1844 to Mar. 1845	-0026	-0023	-0018	+0001	0000	+0005	+0021	+0026	+0023	+0014	+0007	+0001	-0007
Apr. 1845 to Sept. 1845	-0024	-0023	-0021	-0001	+0006	+0012	+0009	+0001	-0008	-0018	-0021	-0024	-0032
Mean of the 1st Year	-0012	-0006	+0003	+0015	+0020	+0023	+0020	+0016	+0009	0000	-0011	-0016	-0023
Mean of the 2nd Year	-0025	-0023	-0020	0000	+0003	+0009	+0015	+0014	+0008	-0002	-0007	-0012	-0020
Mean of the 4 Half Years . . . . .	-00182	-00145	-00082	-00075	+00115	+00155	+00175	+00148	+00085	-00010	-00090	-00135	-00212

This Table affords conclusive evidence that the influence of the moon's position in respect to the meridian on the variations of the barometer at St. Helena is appreciable; and that when the diurnal variation occasioned by the solar influence is eliminated, and the barometrical observations are arranged according to the lunar hours to which they most nearly approximate, they show a maximum at the hours when the moon is on meridian above and below the pole, a minimum at the hours when she is most distant from the meridian, and an uninterrupted progression from the maximum to the minimum, and from the minimum to the maximum, twice in each lunar day.

If, further, we arrange the results in such manner that those hours are combined in which the moon's position in respect to the meridian is the same, we have the lunar horary barometric variation, on the average of all the hours, as follows :—

TABLE XXXVIII.

Moon's distance from the Meridian.	Barometric Variations.		Lunar Horary Variation.	Moon's distance from the Meridian.
	Lunar Hours.	Barometer above or below the Mean.		
0	0	+·00175	+·00168	0
	12	+·00160		
1	1	+·00148	+·00140	1
	13	+·00118		
	11	+·00138		
	23	+·00155		
2	2	+·00085	+·00078	2
	14	+·00055		
	10	+·00058		
	22	+·00115		
3	3	-·00010	-·00039	3
	15	-·00072		
	9	+·00002		
	21	-·00075		
4	4	-·00090	-·00087	4
	16	-·00118		
	8	-·00058		
	20	-·00082		
5	5	-·00135	-·00151	5
	17	-·00150		
	7	-·00175		
6	19	-·00145	-·00197	6
	6	-·00212		
	18	-·00182		

The amount by which the barometric pressure when the moon is on the meridian, exceeds the pressure when she is 6 hours distant from the meridian, is ( $\cdot00168 + \cdot00197 =$ )  $\cdot00365$ . It is probable that this result would have been somewhat greater, if the observations ranged under the lunar hours of 0 and 12, 6 and 18, had synchronised more precisely with the hours under which they had to be respectively placed; and that we may take its value in round numbers at  $\cdot004$ . Hence, therefore, we may conclude that, on the general average, the barometer at St. Helena stands four-thousandths of an inch higher at the two periods in each day when the moon is on the meridian above and below the pole, than it does at the two other periods in each day when the moon is distant six hours from the meridian.

For the purpose of examining whether any perceptible difference in the influence of the moon on the barometric pressure could be detected at the periods of apogee and perigee, the following method was adopted. The epoch of apogee or perigee being taken from the Nautical Almanac, the nearest of the lunar hours 0, 6, 12, or 18 to that

epoch was taken as the middle time of comparison; if it were 0 or 12 hours, the residual barometric quantities already described, at the four antecedent and four subsequent lunar meridian hours (0 and 12) were taken in addition to the one at the middle time, to give a mean value corresponding to the period when the moon was on the meridian. A mean of eight intermediate residual barometric quantities at 6 and 18 hours, taken in like manner, furnished a mean value corresponding to the period when the moon was six hours distant from the meridian. The difference between these mean values gave for the epoch in question (perigee or apogee), the excess of the barometrical pressure when the moon was on the meridian above the pressure when she was six hours distant from it. If the lunar hour nearest to the epoch of apogee and perigee were 6 or 18 instead of 0 or 12, that hour was taken as the middle time of comparison, and the mean residual barometric values consisted, in such case, of the mean of nine quantities taken from 6 and 18 hours, and eight for 0 and 12. When a Sunday intervened, the same number of residual quantities, viz. eight of the one and nine of the other, were taken to give the mean values to be compared, and the comparison extended consequently in such case to a somewhat greater distance on either side of the middle time than when no such interruption occurred.

The excess of barometrical pressure at 0 and 12 lunar hours resulting from this comparison, is as follows:—

From 13 epochs of perigee between Oct. 1843 and Sept. 1844	·00407	}	·00400
From 13 epochs of perigee between Oct. 1844 and Sept. 1845	·00394		

From 13 epochs of apogee between Oct. 1843 and Sept. 1844	·00341	}	·00344
From 14 epochs of apogee between Oct. 1844 and Sept. 1845	·00347		

The number of observations from which each of the three first results is obtained is 221; in the fourth case it is 238.

The results in both years are consistent in showing that the atmospheric tide depending on the moon's position in respect to the meridian is greater at periods of perigee than at those of apogee; the excess of barometric pressure at 0 and 12 hours of lunar time being about an eighth greater at perigee than at apogee.

The barometrical observations at St. Helena are now made according to the hours of lunar time, eight times in each lunar day, viz. at 0, 3, 6, 9, 12, 15, 18, and 21 hours; whereby the inconvenience of imperfect synchronism which has been noticed will henceforth be avoided.



TABLE XXXIX.

*Record of the Anemometer Rain Gauge.*

MONTHS.	1840	1841	1842	1843	1844	1845
	In.	In.	In.	In.	In.	In.
January . . . . .	—	3·50	9·64	1·79	0·99	0·42
February . . . . .	—	8·50	13·50	4·32	1·36	0·78
March . . . . .	—	13·25	9·22	8·37	1·95	0·86
April . . . . .	—	6·75	4·93	1·46	0·90	1·36
May . . . . .	—	9·50	6·17	7·32	2·57	3·50
June . . . . .	—	5·75	7·65	3·59	1·48	3·12
July . . . . .	—	4·25	10·05	1·76	1·87	2·53
August . . . . .	—	6·00	7·49	1·55	3·33	2·63
September . . . . .	5·78	3·50	7·19	0·92	2·82	2·65
October . . . . .	2·59	4·25	6·78	1·56	1·35	1·00
November . . . . .	0·95	1·50	3·92	1·74	0·71	0·46
December . . . . .	4·11	2·17	3·92	2·80	0·69	0·10
Sum . . . . .	—	68·92	90·46	37·18	20·02	19·41

The receiving surface of the anemometer rain gauge was about 20 feet above the ground until July, 1843; and after that date about 24 feet above the ground, but about  $8\frac{1}{2}$  feet in absolute elevation lower than before.

In 1841 Captain Lefroy, then director of the Observatory at St. Helena, established rain gauges at three other points of the island, for the purpose of obtaining a comparative estimate of the quantity of rain. The stations were—

1. Near the highest pinnacle of the island, on a very narrow ridge of rock.
2. Lower down on the same ridge of hills.
3. Longwood Observatory.
4. James Valley.

The three first stations might be comprehended in a circle of one mile radius, and the fourth is but little more distant. The quantities of rain received at these stations during nine months of 1841, were as follows:

- |      |                            |              |
|------|----------------------------|--------------|
| I.   | at 2644 feet of elevation, | 22·63 inches |
| II.  | at 1991 feet               | „ 27·11 „    |
| III. | at 1782 feet               | „ 43·42 „    |
| IV.  | at 414 feet                | „ 7·63 „     |

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#### DIRECTION OF THE WIND.

St. Helena being situated near the middle of the S.E. trade, the direction of the wind changes but slightly at the different seasons, and at the different hours of the day; but though the variations are small, they are regular and systematic. Table XL.

shows the mean direction of the wind, expressed in degrees from north by east to south, in every month of the years 1841, 1844, and 1845; and Table XLI. shows its mean direction at every second hour of the day in the same years.

TABLE XL.

*Annual Variation of the Direction of the Wind.*

MONTHS.	1841	1844	1845	Mean.
January . . . .	136·1	138·5	130·7	135·1
February . . . .	142·7	141·0	144·9	142·9
March . . . . .	140·7	145·9	143·6	143·4
April . . . . .	135·1	130·3	139·1	134·5
May . . . . .	130·4	136·2	139·3	135·3
June . . . . .	129·1	140·5	138·6	133·4
July . . . . .	134·2	136·7	136·1	135·7
August . . . . .	139·7	136·4	143·9	140·0
September . . . .	143·5	134·8	147·2	144·8
October . . . . .	143·3	139·7	152·1	145·7
November . . . .	146·9	134·7	154·1	145·2
December . . . .	141·0	133·2	152·9	142·4

TABLE XLI.

*Diurnal Variation of the Direction of the Wind.*

HOURS.	1841	1844	1845	Mean.
19	139·5	138·6	143·0	140·4
21	138·0	137·8	141·7	139·2
23	136·6	135·9	140·1	137·5
1	137·6	133·9	140·1	137·2
3	137·5	136·1	142·3	138·6
5	139·0	137·6	144·2	140·3
7	139·1	137·5	146·3	141·0
9	138·9	137·9	145·5	140·8
11	138·5	137·2	145·4	140·4
13	138·1	137·8	144·2	140·0
15	139·2	138·5	145·0	140·9
17	140·1	138·7	144·7	141·2

It appears from Table XL. that during the months from April to August the wind is, on the average, from 5° to 6° more easterly than from September to March; and that it is most easterly in the months of April, May, June, and July. In January also, during the whole of which month the sun's declination is south of the latitude of St. Helena, there is a tendency to a more easterly direction than in the months immediately

preceding or following it. From Table XLI. we learn that the wind is more easterly generally during the hours of the day than during the night, and that it is most easterly about noon. The direction varies little during the night, but there is a tendency to a more southerly direction about daybreak and just after sunset.

On very rare occasions the wind blows for a few hours from the north, north-west, or south-west; these usually occur in the months of May, June, or July. On such occasions the wind is generally very light, and is reputed unhealthy.

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**S T. H E L E N A, 1840.**

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**MAGNETICAL AND METEOROLOGICAL TERM OBSERVATIONS.**

May 29th and 30th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.712.						DECLINATION.				
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	—	31.5	28.1	28.7	28.2	28.5	30.1	31.4	33.4	32.9	39.2
5	0	32.3	30.5	29.1	20.0	28.4	29.1	30.1	22.0	32.0	33.0	39.1
10	0	31.4	30.6	29.8	29.4	28.3	28.2	29.8	32.7	32.6	33.5	41.7
15	0	—	30.6	30.4	30.2	27.5	28.1	29.1	32.5	32.5	34.2	40.0
20	0	33.0	30.7	28.1	30.5	26.9	27.9	29.0	31.0	33.1	34.4	38.5
25	0	33.0	30.5	30.2	28.8	27.5	26.6	29.9	31.6	32.6	34.9	40.0
30	0	33.1	29.9	30.5	20.0	28.0	27.5	31.5	31.2	32.7	35.9	40.1
35	0	33.0	29.3	30.0	28.3	27.8	28.4	31.5	32.0	32.5	36.4	40.4
40	0	34.1	29.4	28.6	28.2	25.4	27.3	32.9	32.8	31.1	36.5	40.5
45	0	35.0	29.1	29.2	29.2	31.5	28.2	31.4	32.6	32.4	36.9	37.6
50	0	33.7	29.1	28.0	29.0	29.7	28.5	33.0	33.6	32.5	37.4	39.9
55	0	33.3	28.4	28.3	28.5	28.6	29.6	32.8	33.1	32.6	37.6	39.6
		One Scale Division = .00012 parts of the H. F.						HORIZONTAL FORCE.				
M.	S.											
2	30	14.1	20.7	15.4	24.0	19.5	17.6	19.4	28.5	24.4	20.0	20.8
12	30	13.0	16.5	10.6	14.0	22.5	18.2	17.6	29.0	22.0	18.3	22.1
22	30	14.0	17.8	6.5	18.6	24.2	20.6	17.7	29.0	22.2	17.5	21.3
32	30	16.9	14.4	9.0	10.4	20.2	18.4	20.0	28.9	22.0	17.5	21.8
42	30	16.0	14.6	10.2	9.4	19.2	19.5	21.5	28.0	21.3	18.4	21.3
52	30	17.3	14.4	9.6	20.2	18.5	19.9	25.0	28.0	21.0	19.6	21.2
Thermometer		64.3	64.9	64.9	64.9	64.8	64.5	64.7	64.7	64.2	65.1	64.9
VERTICAL FORCE.												
Increasing numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Height of Clouds.	Weather.					
				Dry.	Wet.							
D.	H.	M.	In.	°	°	Feet.						
29	10	0	28.373	62.7	60.0	—						
	11	0	—	—	—	—						
	12	0	28.377	61.7	59.4	—	Cloudy.					
	13	0	28.364	61.5	59.2	—	Cloudy; rain.					
	14	0	28.322	61.6	59.8	—	Heavy rain.					
	15	0	28.352	61.4	60.6	—						
	16	0	28.350	61.0	58.8	—	Cloudy; stars dim.					
	17	0	28.333	61.4	59.4	—	Ditto; ditto.					
	18	0	28.320	61.5	59.4	—						
	19	0	28.330	60.9	59.6	2000	Dull; overcast.					
	20	0	28.344	61.0	58.4	2600	Overcast.					
	21	0	28.357	61.5	59.9	2600						

MAGNETICAL OBSERVATIONS.													May 29th and 30th.	
DECLINATION.						Angular Value of one Scale Division = 0'.712.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
40.0	37.7	34.7	35.4	32.9	29.5	29.5	33.0	29.2	30.0	33.1	31.6	31.5		
39.2	36.8	35.0	36.1	32.5	29.6	31.5	33.3	29.5	29.7	33.4	31.4	31.5		
38.8	35.8	35.1	34.5	31.6	29.5	31.0	31.5	29.2	31.4	33.5	30.4	28.7		
40.8	38.3	35.1	33.9	31.7	28.9	32.5	31.2	29.5	31.1	33.6	31.4	29.1		
38.0	35.5	35.3	33.7	31.4	28.4	32.7	31.4	29.2	29.4	33.1	31.8	29.3		
38.2	35.5	35.3	33.7	31.7	27.9	30.0	22.3	29.2	30.8	33.2	31.9	28.5		
40.5	34.9	35.3	33.9	32.2	28.6	34.2	32.0	29.3	31.5	33.3	32.0	28.9		
38.3	34.7	35.5	33.9	31.0	29.4	32.4	34.7	29.3	32.9	33.3	32.2	29.2		
38.5	34.9	35.9	33.7	30.5	29.5	27.6	21.5	29.5	32.9	32.6	31.7	29.0		
38.2	34.3	35.7	33.8	30.4	29.4	30.2	29.5	29.6	33.0	32.0	31.9	29.0		
37.2	34.4	35.5	33.7	30.8	29.0	30.5	18.5	29.9	33.0	32.0	31.8	29.1		
37.6	34.7	35.7	32.8	30.4	29.4	33.5	29.2	29.7	33.4	32.0	32.4	30.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. = .00034.								
20.8	27.1	29.5	30.5	32.6	28.7	23.5	20.5	19.5	20.1	18.6	18.5	17.9		
21.8	27.3	29.6	30.0	31.2	27.1	23.7	20.0	19.5	19.8	18.4	18.5	17.5		
22.3	26.7	30.1	30.2	31.5	26.1	22.0	19.5	19.8	19.9	18.6	18.5	17.5		
23.4	27.0	30.4	30.3	31.2	26.0	25.0	19.5	20.1	19.7	18.5	18.1	18.7		
24.5	28.0	30.2	31.0	30.5	24.1	23.8	19.0	20.5	19.3	18.2	18.5	20.0		
25.8	28.4	30.8	31.6	30.2	22.8	16.5	17.5	19.4	18.9	18.4	18.5	20.0		
64.8	64.4	64.1	64.4	64.6	64.7	64.5	64.0	64.0	64.0	63.8	66.2	65.0		
VERTICAL FORCE.														
Declination, and increasing Horizontal Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Height of Clouds.	Weather.							
D.	H.	M.		Dry.	Wet.									
			In.	°	°	Feet.								
29	22	0	28.382	61.8	60.2	2700	Dull; overcast.							
	23	0	28.391	62.6	61.2	2647	Overcast.							
30	0	0	28.395	62.9	61.5	—	Station in a cloud; heavy rain.							
	1	0	28.373	63.1	62.0	1500	Heavy rain.							
	2	0	28.356	62.8	61.8	1500	Ditto.							
	3	0	28.331	62.2	61.0	1500	Ditto.							
	4	0	28.328	61.9	60.9	1600	Rain.							
	5	0	28.322	61.3	60.2	—	Station in a cloud; heavy rain.							
	6	0	28.320	61.5	60.6	—	Ditto; ditto.							
	7	0	28.336	61.3	60.4	—	Overcast; heavy rain.							
	8	0	28.344	61.4	60.7	—	Ditto; ditto.							
	9	0	28.354	61.5	60.6	—	Wind rising; rain.							

June 24th and 25th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0' 712.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		27·1	28·1	28·1	28·7	29·3	29·0	29·1	30·0	30·6	27·9	30·0
5	0		27·6	28·1	28·3	28·7	29·2	28·9	29·1	30·0	30·9	27·9	30·5
10	0		27·9	28·2	28·1	28·1	29·0	28·8	29·1	30·0	30·7	28·0	31·1
15	0		28·0	28·2	28·8	28·5	28·8	28·9	29·5	30·0	30·5	28·1	31·0
20	0		27·9	28·2	29·1	28·8	28·8	28·9	29·9	30·1	30·5	28·2	30·2
25	0		28·1	28·1	29·0	28·8	29·0	28·9	29·9	30·1	30·6	28·5	29·1
30	0		28·0	28·1	28·9	28·7	29·0	29·0	29·6	30·1	30·6	28·9	30·4
35	0		28·1	28·1	28·6	28·6	28·9	29·0	29·6	30·1	30·6	29·0	30·2
40	0		28·0	28·1	28·9	28·6	28·8	29·0	29·6	30·5	30·6	29·1	30·1
45	0		28·1	28·1	29·0	28·9	28·8	29·0	30·0	30·0	31·0	29·0	29·8
50	0		28·0	28·1	29·0	28·9	28·9	29·0	30·0	30·2	27·9*	29·2	29·6
55	0		28·1	28·1	28·8	29·0	28·8	29·0	30·0	30·4	27·9	29·5	29·4
			One Scale Division = '00013 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		60·7	59·9	59·9	59·1	59·1	59·8	57·9	62·0	61·9	62·2	64·5
12	30		60·7	59·5	60·0	59·0	59·0	59·0	58·4	62·3	61·9	62·5	64·5
22	30		60·5	60·1	59·8	58·7	58·7	58·5	59·7	62·4	61·9	62·4	64·3
32	30		60·5	59·9	60·0	58·6	58·6	58·1	60·9	62·6	62·4	62·9	65·5
42	30		60·2	59·9	60·0	58·6	58·9	58·1	61·5	62·2	62·4	63·5	66·0
52	30		60·0	59·8	59·8	59·0	60·0	57·9	61·7	62·1	—	63·0	67·0
Thermometer			62·0	62·9	62·8	62·6	62·9	62·9	62·9	62·8	62·9	63·1	63·1
VERTICAL FORCE.													
<p style="text-align: right;">Increasing numbers denote decreasing westerly * Telescope moved accidentally; the connexion</p>													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Force.	Height of Clouds.	Weather.					
				Dry.	Wet.								
D.	H.	M.	In.	°	°								
24	10	0	28·399	60·7	59·1	—	—	Overcast.					
	11	0	28·403	60·7	59·0	Very light	—	Overcast.					
	12	0	28·392	60·4	58·9	Very light	—	Overcast.					
	13	0	28·390	60·4	58·9	Light.	—	Overcast.					
	14	0	28·373	61·4	58·6	Light.	—	Overcast.					
	15	0	28·375	60·3	58·6	Light.	—	Overcast; very dark.					
	16	0	28·366	60·4	58·6	Light.	—	Cloudy; stars bright, moon at intervals.					
	17	0	28·361	60·1	58·4	Very light	—	Ditto; stars visible.					
	18	0	28·365	60·3	58·7	Light.	—	Overcast.					
	19	0	28·365	60·1	58·8	Very light	—	Ditto; day-breaking.					
	20	0	28·392	60·3	58·7	Calm.	—	·2 blue sky.					
	21	0	28·409	60·2	58·4	Very light	—	·7 ditto.					

MAGNETICAL OBSERVATIONS.													June 24th and 25th.	
DECLINATION.						Angular Value of one Scale Division = 0'.712.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
29.2	27.2	25.5	27.0	27.9	27.0	27.1	28.9	29.4	27.1	28.8	28.4	28.5		
29.5	27.0	25.5	25.5	28.0	27.0	27.0	28.6	29.2	27.5	29.0	28.7	28.2		
29.0	26.4	25.8	27.1	28.0	26.7	27.1	29.1	28.6	27.9	28.8	28.6	28.5		
28.7	26.0	25.8	27.0	28.5	26.3	27.1	29.1	28.4	27.6	28.5	28.4	28.6		
28.8	26.1	25.9	27.1	27.6	26.5	27.8	30.0	28.0	27.7	28.6	28.1	28.6		
28.6	25.7	26.0	27.1	27.0	27.1	27.6	30.1	27.4	28.0	28.6	28.2	28.6		
28.4	25.5	26.1	27.1	27.5	26.1	27.7	30.2	27.5	28.5	28.6	28.2	29.0		
28.4	25.5	26.1	27.8	27.5	26.1	28.0	29.8	27.5	28.1	28.6	28.1	29.1		
28.1	25.5	26.1	27.6	27.5	26.4	28.2	29.4	27.7	28.1	28.7	28.5	29.0		
27.9	25.5	26.2	27.8	26.9	26.8	28.1	29.0	27.4	27.1	28.6	28.4	29.0		
27.4	25.4	26.4	27.9	26.9	26.9	28.7	29.0	27.4	27.0	28.1	28.4	29.1		
27.1	25.4	26.4	27.9	27.1	21.9	28.9	29.4	28.2	28.6	28.2	28.3	29.1		

HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = .00018.	
67.9	72.2	73.9	75.0	75.1	73.2	71.9	69.0	67.0	66.9	63.8	61.6	61.0		
68.7	72.6	74.6	75.1	75.0	72.9	71.2	68.6	68.3	66.7	63.4	61.5	61.5		
69.2	72.9	74.7	75.6	74.2	72.9	71.0	68.5	67.0	66.4	62.8	61.4	61.2		
70.5	73.2	75.0	75.9	74.0	72.2	70.5	68.5	67.0	66.0	61.9	61.0	61.6		
70.8	73.4	75.0	75.9	73.9	72.3	71.0	68.2	67.2	65.0	61.6	61.2	61.0		
71.0	73.5	75.6	75.0	73.2	71.9	70.0	67.5	67.0	64.2	62.0	61.0	61.0		
62.6	62.5	62.5	62.6	62.7	62.9	63.0	63.1	63.2	63.0	63.7	63.9	63.7		

VERTICAL FORCE.												

Declination, and increasing Horizontal Force.  
of the observations of the Declination broken.

METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind Force.	Height of Clouds.	Weather.				
D.	H.	M.		Dry.	Wet.							
24	22	0	In.	°	°		Feet.					
			28.404	61.0	58.6	Very light	2700	.3 blue sky.				
			28.422	61.0	58.4	Light.	2467	Cloudy.				
25	0	0	28.418	61.0	58.6	Light.	—	.1 blue sky.				
	1	0	28.397	61.6	58.7	Light.	—	Cloudy; .1 blue sky.				
	2	0	28.378	62.0	59.0	Light.	—	.3 blue sky.				
	3	0	28.366	61.6	59.8	Very light	—	Sunshine; .1 blue sky.				
	4	0	28.361	61.9	59.4	Very light	—	.3 blue sky.				
	5	0	28.372	62.0	59.6	Very light	2400	Cloudy.				
	6	0	28.382	61.6	59.5	Very light	2467	.5 blue sky.				
	7	0	28.388	61.2	59.0	Very light	—	Overcast.				
	8	0	28.404	61.1	58.8	Very light	—	Cloudy; stars bright.				
	9	0	28.412	60.8	58.6	Very light	—	Overcast; stars visible.				



July 22nd and 23rd.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.712.					DECLINATION.				
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
M.	s.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.	Sec. Div.
0	0	70.5	71.1	71.0	71.4	71.5	71.0	70.9	70.9	70.0	73.3	75.4
5	0	70.4	71.2	71.1	71.5	71.1	71.0	70.9	70.9	70.0	73.3	75.2
10	0	70.4	71.1	71.2	71.7	71.5	71.0	71.1	70.9	71.0	73.0	75.2
15	0	70.5	71.1	71.1	71.6	71.5	71.0	71.0	70.9	70.8	73.2	75.3
20	0	70.8	71.1	71.2	71.5	71.5	71.0	71.4	70.9	71.7	73.5	75.2
25	0	71.0	71.0	71.4	71.5	71.6	71.0	71.3	70.3	72.1	73.6	75.2
30	0	71.1	71.0	71.4	71.5	71.8	71.0	71.1	70.2	72.2	73.9	75.1
35	0	71.2	71.0	71.1	71.5	71.4	70.9	71.1	70.3	72.2	74.6	75.0
40	0	71.2	71.1	71.3	71.5	71.2	70.9	71.0	70.8	72.3	75.0	75.0
45	0	71.2	71.1	71.5	71.5	71.2	70.9	71.0	70.1	72.4	75.2	74.7
50	0	71.1	71.1	71.5	71.5	71.0	71.0	71.1	70.9	72.7	75.2	74.6
55	0	71.1	71.0	71.4	71.5	71.0	70.9	70.9	70.9	73.0	75.3	74.5
			One Scale Division = .00018 parts of the H. F.					HORIZONTAL FORCE.				
M.	s.											
2	30	57.6	57.6	57.6	57.9	59.0	58.4	57.6	60.4	59.3	57.8	58.5
12	30	57.6	57.5	57.0	58.5	58.6	58.2	59.1	60.0	58.5	56.8	58.9
22	30	58.0	57.4	57.5	59.0	58.4	58.0	60.5	59.6	58.7	56.3	59.3
32	30	57.9	57.5	57.2	59.0	58.4	57.9	60.8	59.2	58.6	56.7	60.0
42	30	57.7	57.5	57.4	58.9	58.5	57.3	60.9	58.9	58.1	57.2	60.0
52	30	57.2	57.4	57.8	59.0	58.5	57.1	60.7	58.9	57.7	57.4	60.0
Thermometer		62.0	62.5	62.7	62.4	62.1	62.0	62.1	62.0	62.9	62.2	62.2
VERTICAL FORCE.												
Increasing numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Weather.				
				Dry.	Wet.	Force.						
D.	H.	M.	In.	°	°		Feet.					
22	10	0	28.430	59.3	56.4	Calm.	—	Cloudy; a few stars visible.				
	11	0	28.438	59.1	56.0	Very light	—	Overcast.				
	12	0	28.434	59.0	55.5	Light.	—	Overcast.				
	13	0	28.429	59.0	55.4	Light.	—	Cloudy; a few stars visible.				
	14	0	28.412	59.1	55.2	Very light	—	Overcast.				
	15	0	28.399	58.9	55.3	Very light	—	Overcast.				
	16	0	28.393	58.9	55.6	—	—	Rain.				
	17	0	28.394	58.7	55.6	—	—	Rain.				
	18	0	28.397	58.0	55.7	Calm.	—	Drizzling rain.				
	19	0	28.415	57.4	55.0	Light.	—	Cloudy; drizzling rain.				
	20	0	28.415	58.0	55.6	Light.	—	Cloudy.				
	21	0	28.425	58.2	55.9	Light.	2000	Overcast.				



August 28th and 29th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.712. DECLINATION.										
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	67.1	67.0	66.4	67.5	65.8	68.1	65.5	65.2	68.0	71.2	76.9
5	0	66.8	67.2	66.4	67.5	65.6	67.4	65.0	65.8	68.0	72.5	77.1
10	0	66.6	67.3	66.5	67.6	65.5	67.3	65.3	65.9	68.0	73.3	67.5
15	0	66.3	67.3	66.3	67.9	65.6	66.3	65.2	66.8	68.1	73.8	76.9
20	0	66.6	67.3	66.4	67.6	66.9	66.2	64.0	67.0	68.2	74.1	76.5
25	0	66.8	67.1	66.4	67.1	66.9	66.1	64.0	67.0	68.5	74.4	75.5
30	0	66.6	67.0	67.0	68.1	66.9	66.1	64.2	67.9	68.5	75.4	74.2
35	0	66.7	66.9	67.4	68.2	66.9	66.2	65.1	65.9	68.9	—	73.0
40	0	66.6	67.2	67.2	68.0	67.9	65.6	64.8	69.0	68.4	—	72.5
45	0	66.1	67.7	67.5	67.2	67.9	65.0	65.0	69.5	69.0	75.7	72.2
50	0	66.7	67.2	67.5	66.2	67.5	65.3	65.2	69.4	69.1	76.0	71.9
55	0	66.8	67.9	67.4	65.8	67.9	65.2	65.4	69.0	70.0	75.1	71.9
M. S.		One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.										
		7.5	11.4	8.2	10.2	12.4	22.0	11.2	6.5	9.0	8.8	— 1.0
18	30	7.7	11.4	7.2	12.2	12.0	21.3	12.9	4.0	8.9	7.0	+18.7
22	30	10.5	9.1	7.5	13.2	18.2	19.7	9.5	1.9	8.8	5.0	0.0
32	30	13.2	9.1	8.5	13.0	20.2	18.9	9.0	4.1	9.2	1.3	1.3
42	30	14.3	9.2	9.5	13.6	23.8	16.2	7.5	7.8	8.9	—	2.9
52	30	13.4	10.3	9.4	13.1	22.7	12.5	6.9	7.9	8.7	1.5	2.8
Thermometer		59.9	59.9	59.7	59.2	59.8	59.0	59.0	58.9	58.8	58.7	58.6
VERTICAL FORCE.												
Increasing numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Weather.				
				Dry.	Wet.	Force.						
D.	H.	M.	In.	°	°	—	Feet.					
28	10	0	28.359	—	—	—	—	Dull; perfectly overcast.				
	11	0	28.356	—	—	—	—	Overcast; very dark.				
	12	0	28.353	58.2	55.6	Calm.	—	Very dark; overcast.				
	13	0	28.342	58.3	56.4	—	—	Completely overcast.				
	14	0	28.328	58.2	56.4	—	—	Overcast.				
	15	0	28.315	59.2	56.4	—	—	Overcast.				
	16	0	28.307	58.0	56.3	—	—	Overcast.				
	17	0	28.305	57.6	55.2	—	—	Cloudy; stars visible.				
	18	0	28.307	57.5	55.2	—	1900	Overcast.				
	19	0	28.318	57.8	56.0	—	2300	Haze.				
	20	0	28.335	57.8	56.1	—	—	Completely overcast.				
	21	0	28.347	57.8	56.1	—	2400	Completely overcast.				

MAGNETICAL OBSERVATIONS.												August 28th and 29th.			
DECLINATION.						Angular Value of one Scale Division = 0'.712.									
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .			
Sc. Div.	Sc. Div.	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	67.2	65.4	62.0	—	60.1	60.5	61.5	62.9	63.0	65.6	65.9	66.5			
70.9	67.2	65.0	62.0	60.9	60.1	60.5	61.8	62.9	63.1	65.7	65.8	66.5			
70.6	67.8	65.0	61.9	60.9	60.2	60.3	61.9	62.9	63.1	65.8	65.9	66.4			
70.2	67.9	64.8	61.5	60.9	60.3	60.6	62.0	62.9	63.2	65.8	65.7	66.0			
69.9	67.2	64.8	61.2	61.0	60.3	60.5	62.2	62.9	63.8	65.8	65.5	65.9			
69.2	66.3	64.2	61.1	60.5	60.3	60.9	62.6	62.9	63.8	65.7	65.5	65.8			
69.0	66.5	63.0	61.0	60.4	60.3	60.9	62.9	62.9	64.0	65.7	65.6	66.0			
69.1	66.1	62.2	60.9	60.2	60.3	60.9	62.9	63.0	64.4	65.7	66.4	66.0			
67.8	66.1	62.2	60.9	60.0	60.4	61.0	63.0	63.0	64.8	65.9	67.4	65.9			
68.3	65.6	62.1	60.9	60.0	60.5	61.0	63.0	63.0	65.0	65.9	66.5	65.9			
68.2	65.2	62.0	60.5	60.0	60.4	61.0	62.9	63.0	65.2	65.9	66.5	65.9			
67.0	65.1	62.0	60.8	60.1	60.3	61.1	62.9	63.0	65.3	65.8	66.6	66.1			
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fahr. = .00018.									
1.8	4.0	7.9	9.0	—	10.8	7.8	7.7	6.2	6.0	6.9	7.4	11.0			
0.9	5.4	9.0	10.0	12.0	11.2	7.0	6.2	6.5	6.2	6.9	6.9	10.4			
1.0	6.0	11.0	10.9	12.0	11.0	7.0	6.2	6.2	6.2	7.0	7.1	9.6			
1.1	6.5	8.5	10.0	10.8	10.0	7.8	6.3	6.5	6.2	7.0	9.1	10.0			
1.6	6.8	9.2	10.9	11.0	9.5	7.5	6.8	6.3	6.7	7.0	11.0	10.0			
2.1	7.0	9.0	10.9	11.0	8.0	7.0	6.0	6.0	7.0	6.9	11.6	10.0			
57.4	58.7	59.2	59.9	61.0	62.0	62.2	63.4	62.8	62.0	61.4	60.6	60.8			
VERTICAL FORCE.															
Declination, and increasing Horizontal Force.															
METEOROLOGICAL OBSERVATIONS.															
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Weather.							
D.	H.	M.	In.	Dry.	Wet.	Force.	Feet.								
28	22	0	28.365	58.2	56.4	Calm.	—	Clear; .25 blue sky.							
	23	0	28.366	58.7	56.9	Light.	2000	Nearly overcast.							
29	0	0	28.360	59.0	57.1	—	2400	Nearly overcast.							
	1	0	28.351	59.6	58.4	—	—	Nearly overcast.							
	2	0	28.339	60.2	58.1	Calm.	—	Fine; sunshine.							
	3	0	28.324	60.1	58.0	—	—	Overcast.							
	4	0	28.321	60.7	58.6	Calm.	2000	Overcast.							
	5	0	28.321	59.8	57.8	Calm.	1900	Overcast.							
	6	0	28.331	59.6	57.6	Light.	2300	Cloudy.							
	7	0	28.338	59.3	57.1	Light.	2300	Cloudy.							
	8	0	28.347	58.9	56.8	Calm.	—	Moon at intervals; a few stars visible.							
	9	0	28.358	59.0	57.3	Calm.	—	Nearly overcast.							





November 27th and 28th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.712.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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		72.4	72.3	73.9	73.2	72.9	71.8	71.5	71.9	71.5	72.0	70.5
5	0		72.4	72.6	73.4	73.1	72.9	71.8	71.5	71.9	71.6	71.9	70.4
10	0		72.4	72.8	73.6	73.0	72.5	71.5	72.0	71.4	71.6	71.9	70.3
15	0		72.2	73.0	73.5	72.9	72.3	71.8	71.9	71.3	71.7	71.8	70.4
20	0		72.0	73.3	73.4	72.9	72.2	71.9	72.0	71.2	71.7	71.7	70.4
25	0		71.8	73.4	73.3	72.9	72.2	71.5	72.0	71.2	71.8	71.6	70.3
30	0		71.8	73.6	73.5	72.9	72.2	71.7	72.0	71.1	71.8	71.5	70.3
35	0		71.7	73.8	73.4	72.8	72.1	71.6	71.9	71.1	71.9	71.3	70.6
40	0		71.8	74.0	73.3	72.8	72.0	71.4	71.9	71.2	71.9	71.1	70.7
45	0		72.0	74.0	73.4	72.8	71.9	71.5	71.6	71.8	72.0	70.9	70.8
50	0		72.1	73.9	73.3	72.9	71.8	71.4	71.6	71.8	72.0	70.8	70.9
55	0		72.2	73.9	73.2	72.9	71.9	71.5	71.8	71.9	72.0	70.6	70.7
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		20.3	18.7	20.0	21.2	21.8	22.0	22.7	21.8	22.1	22.6	24.4
12	30		19.5	19.4	20.0	21.1	22.0	22.1	22.2	21.9	22.1	22.7	24.7
22	30		18.6	19.5	20.6	21.4	21.7	22.1	22.0	21.9	22.0	22.9	25.3
32	30		18.1	19.8	20.9	21.5	22.0	21.9	22.0	21.9	22.0	23.0	25.6
42	30		18.0	20.2	21.1	21.9	22.0	22.2	21.9	22.0	22.1	23.5	25.8
52	30		18.2	20.2	21.0	21.9	22.0	22.3	22.0	21.9	22.3	24.0	25.2
Thermometer			64.0	64.0	63.9	63.7	63.3	63.2	63.0	63.3	63.5	63.4	63.4
VERTICAL FORCE.													
Increasing numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Force.	Height of Clouds.	Weather.					
				Dry.	Wet.								
D.	H.	M.	In.	°	°		Feet.						
27	10	0	28.299	60.0	58.9	Very light	—	Overcast; very dark.					
	11	0	28.304	60.2	59.5	Light.	—	Overcast; rain, very dark.					
	12	0	28.306	60.0	59.2	Calm.	—	Overcast and dark; rain.					
	13	0	28.294	59.6	58.9	Calm.	—	Overcast.					
	14	0	28.273	59.4	58.7	Light.	—	Occasional showers of rain.					
	15	0	28.262	58.9	57.5	Light.	—	Haze.					
	16	0	28.258	59.2	58.6	Light.	—	Overcast; a few stars visible.					
	17	0	28.266	59.1	58.6	Light.	—	Nearly overcast; stars visible.					
	18	0	28.268	59.4	58.8	Light.	—	Overcast; rain.					
	19	0	28.290	59.7	59.2	Light.	—	Overcast; rain.					
	20	0	28.305	59.8	59.2	Light.	1800	Overcast; rain.					
	21	0	28.321	60.8	60.2	—	—	Station in a cloud.					











ST. HELENA, 1840.

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METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MAY.	1	.330	.293	.272	.272	.281	.305	.305	.288	.262	.271	.297	.330	.2922
	2	.316	.289	.256	.268	.277	.308	.304	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	.276	.251	.249	.281	.303	.2815
	4	.310	.261	.255	.232	.244	.274	.261	.243	.217	.215	.241	.275	.2523
	5	.253	.224	.195	.189	.218	.239	.231	.213	.195	.193	.223	.242	.2179
	6	.244	.208	.182	.190	.205	.215	.219	.211	.196	.209	.251	.267	.2164
	7	.268	.232	.222	.233	.243	.262	.269	.259	.247	.251	.281	.313	.2567
	8	.315	.277	.259	.271	.314	.334	.333	.321	.308	.331	.351	.405	.3182
	9	.398	.365	.350	.349	.377	.395	.395	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	.391	.354	.365	.384	.405	.3773
	11	.400	.363	.338	.323	.341	.372	.352	.326	.299	.293	.333	.346	.3405
	12	.341	.316	.305	.305	.326	.336	.340	.320	.295	.298	.270	.340	.3160
	13	.345	.307	.283	.291	.315	.327	.332	.302	.276	.285	.308	.336	.3089
	14	.345	.305	.283	.295	.318	.347	.318	.324	.312	.312	.346	.380	.3237
	15	.368	.319	.288	.286	.311	.341	.341	.331	.299	.294	.314	.347	.3199
	16	.346	.314	.289	.289	.303	.329	.331	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	.326	.290	.274	.306	.339	.3113
	18	.332	.300	.281	.291	.313	.337	.344	.321	.306	.306	.333	.375	.3199
	19	.367	.344	.317	.338	.329	.360	.391	.315	.297	.306	.328	.364	.3380
	20	.341	.312	.290	.290	.307	.337	.317	.288	.274	.277	.295	.324	.3043
	21	.309	.305	.289	.290	.302	.324	.312	.291	.254	.258	.290	.306	.2942
	22	.303	.276	.255	.268	.282	.288	.288	.282	.252	.244	.260	.292	.2742
	23	.292	.265	.253	.249	.262	.294	.290	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	.309	.286	.302	.332	.360	.2912
	25	.367	.325	.294	.297	.314	.332	.332	.316	.290	.289	.324	.339	.3182
	26	.325	.290	.275	.273	.278	.303	.296	.286	.264	.270	.289	.332	.2901
	27	.320	.276	.251	.255	.287	.302	.306	.294	.277	.278	.304	.349	.2916
	28	.342	.315	.301	.301	.321	.337	.340	.322	.301	.306	.352	.379	.3264
	29	.375	.344	.335	.334	.343	.373	.377	.322	.350	.320	.344	.382	.3499
	30	.395	.356	.328	.320	.344	.366	.352	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	.332	.300	.310	.340	.374	.3431
Hourly Means	.3326	.2993	.2787	.2807	.2983	.3207	.3183	.3003	.2789	.2810	.3068	.3386	.3028	
JUNE.	1	.324	.331	.343	.321	.342	.358	.345	.332	.311	.304	.338	.372	.3351
	2	.376	.333	.316	.327	.349	.381	.378	.368	.321	.337	.347	.365	.3498
	3	.364	.329	.307	.310	.334	.363	.355	.350	.333	.335	.357	.371	.3423
	4	.384	.346	.331	.344	.350	.386	.391	.379	.356	.359	.382	.409	.3681
	5	.407	.368	.344	.352	.371	.348	.398	.376	.348	.354	.370	.418	.3712
	6	.312	.342	.331	.335	.351	.380	.380	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	.353	.328	.334	.373	.413	.3527
	8	.397	.346	.331	.443	.366	.374	.370	.356	.329	.348	.374	.390	.3687
	9	.376	.335	.310	.312	.334	.353	.350	.350	.324	.326	.347	.364	.3401
	10	.351	.307	.283	.304	.318	.329	.321	.298	.278	.286	.318	.340	.3111
	11	.350	.317	.297	.317	.340	.352	.358	.332	.324	.331	.351	.390	.3382
	12	.376	.335	.323	.342	.356	.392	.396	.367	.367	.375	.393	.414	.3697
	13	.400	.366	.325	.340	.356	.374	.370	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	.304	.296	.297	.315	.344	.3406
	15	.336	.299	.282	.287	.297	.317	.323	.301	.261	.280	.311	.351	.3037
	16	.340	.318	.302	.313	.334	.351	.337	.327	.310	.313	.338	.313	.3247
	17	.373	.341	.329	.332	.345	.361	.359	.355	.339	.327	.355	.388	.3503
	18	.384	.340	.334	.330	.343	.374	.380	.366	.352	.360	.381	.419	.3636
	19	.396	.368	.348	.371	.383	.410	.413	.396	.368	.363	.382	.428	.3855
	20	.424	.377	.380	—	.410	.430	.439	—	—	—	—	—	.4263
	21	—	—	—	—	—	—	—	.445	.422	.425	.457	.480	.4263
	22	.474	.432	.420	.428	.439	.455	.455	.430	.394	.409	.421	.442	.4332
	23	.432	.378	.376	.385	.396	.417	.406	.393	.359	.365	.390	.402	.3916
	24	.397	.358	.342	.354	.382	.399	.392	.373	.366	.365	.392	.404	.3770
	25	.418	.378	.361	.382	.404	.419	.426	.416	.403	.403	.419	.441	.4058
	26	.438	.350	.384	.387	.421	.450	.437	.415	.381	.371	.387	.409	.4025
	27	.398	.366	.345	.354	.364	.377	.379	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	.319	.297	.299	.321	.345	.3470
	29	.342	.334	.302	.318	.337	.350	.345	.343	.310	.314	.340	.377	.3343
	30	.366	.330	.304	.320	.332	.358	.359	.343	.327	.333	.351	.389	.3427
	Hourly Means	.3821	.3471	.3327	.3443	.3598	.3792	.3793	.3610	.3386	.3428	.3658	.3915	.3604

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	.378	.345	.328	.334	.353	.368	.355	.354	.332	.331	.350	.373	.3501
	2	.374	.345	.327	.329	.343	.365	.347	.327	.319	.335	.351	.364	.3438
	3	.365	.332	.306	.324	.335	.360	.355	.341	.330	.334	.351	.395	.3440
	4	.394	.371	.355	.354	.362	.377	.385	—	—	—	—	—	.3787
	5	—	—	—	—	—	—	—	.399	.372	.382	.384	.409	
	6	.400	.360	.356	.376	.372	.383	.383	.361	.345	.348	.370	.397	.3709
	7	.386	.346	.338	.350	.370	.379	.386	.369	.351	.351	.382	.425	.3694
	8	.414	.374	.366	.380	.397	.416	.423	.421	.402	.399	.426	.450	.4057
	9	.456	.432	.408	.412	.442	.456	.462	.451	.425	.431	.452	.490	.4431
	10	.485	.456	.433	.494	.467	.497	.487	.481	.455	.454	.470	.501	.4733
	11	.490	.449	.425	.444	.454	.461	.461	—	—	—	—	—	.4387
	12	—	—	—	—	—	—	—	.420	.398	.397	.417	.449	
	13	.442	.396	.370	.390	.401	.413	.421	.411	.383	.375	.391	.425	.4015
	14	.428	.398	.378	.390	.396	.415	.417	.387	.365	.374	.394	.428	.3975
	15	.415	.378	.351	.362	.366	.394	.397	.387	.361	.361	.381	.419	.3810
	16	.420	.373	.353	.374	.386	.406	.405	.379	.352	.346	.373	.409	.3813
	17	.407	.362	.336	.341	.357	.386	.391	.381	.361	.364	.383	.411	.3733
	18	.402	.373	.351	.373	.395	.422	.406	—	—	—	—	—	.3978
	19	—	—	—	—	—	—	—	.389	.383	.403	.423	.454	
	20	.441	.398	.376	.389	.404	.413	.409	.397	.389	.398	.409	.442	.4054
	21	.431	.386	.370	.382	.411	.428	.437	.413	.397	.396	.420	.434	.4087
	22	.428	.318	.346	.346	.405	.430	.434	.412	.393	.397	.415	.448	.3977
	23	.444	.399	.395	.410	.424	.450	.444	.430	.414	.407	.434	.469	.4267
	24	.476	.427	.412	.419	.448	.482	.503	.480	.456	.455	.481	.522	.4634
	25	.504	.448	.436	.448	.456	.489	.482	—	—	—	—	—	.4422
	26	—	—	—	—	—	—	—	.417	.392	.388	.410	.436	
	27	.431	.398	.415	.371	.391	.403	.404	.389	.357	.355	.382	.408	.3920
	28	.385	.367	.351	.352	.373	.373	.380	.364	.343	.338	.362	.395	.3652
	29	.392	.377	.361	.381	.393	.410	.414	.390	.382	—	.386	.425	.3919
	30	.417	.391	.391	.395	.410	.427	.431	.423	.394	.385	.407	.465	.4113
	31	.492	.408	.390	.395	.416	.448	.434	.419	.390	.382	.412	.441	.4189
Hourly Means	.4258	.3854	.3713	.3820	.3973	.4167	.4168	.3997	.3793	.3803	.4006	.4327	.3990	
AUGUST.	1	.438	.401	.381	.386	.413	.417	.422	—	—	—	—	.4047	
	2	—	—	—	—	—	—	—	.392	.382	.382	.407		.435
	3	.418	.380	.351	.361	.383	.389	.385	.372	.348	.345	.383	.397	.3760
	4	.391	.377	.370	.382	.394	.402	.388	.364	.346	.358	.386	.412	.3808
	5	.403	.383	.364	.377	.393	.399	.402	.372	.352	.360	.393	.428	.3855
	6	.414	.385	.373	.390	.393	.410	.407	.392	.379	.384	.390	.416	.3944
	7	.407	.375	.358	.378	.397	.408	.408	.384	.378	.374	.404	.409	.3900
	8	.413	Removing to the permanent Observatory.											—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	.346	.309	.318	.334	.356
	17	.355	.303	.291	.301	.327	.337	.351	.327	.304	.293	.314	.346	.3207
	18	.351	.330	.303	.305	.320	.334	.330	.296	.281	.282	.306	.336	.3145
	19	.342	.312	.287	.292	.293	.315	.324	.297	.276	.275	.298	.319	.3025
	20	.318	—	.257	.260	.283	.283	.294	.265	.256	.256	.286	.318	.2796
	21	.320	.289	.271	.279	.310	.317	.333	.308	.298	.298	.318	.328	.3057
	22	.344	.301	.293	.314	.336	.356	.344	—	—	—	—	—	.3499
	23	—	—	—	—	—	—	—	.381	.356	.356	.394	.424	
	24	.425	.393	.367	.375	.391	.427	.421	.415	.393	.397	.416	.439	.4049
	25	.442	.398	.382	.380	.398	.416	.421	.409	.379	.372	.391	.417	.4004
	26	.413	.382	.355	.356	.372	.384	.397	.379	.347	.339	.357	.367	.3707
	27	.364	.332	.316	.330	.353	.365	.364	.346	.310	.317	.340	.360	.3414
	28	.359	.339	.313	.325	.336	.359	.353	.328	.307	.307	.335	.365	.3355
	29	.360	.339	.321	.331	.347	.371	.350	—	—	—	—	—	.3457
	30	—	—	—	—	—	—	—	.345	.330	.326	.352	.376	
	31	.383	.351	.320	.330	.341	.360	.360	.342	.329	.314	.345	.359	.3445
Hourly Means	.3814	.3539	.3302	.3396	.3568	.3710	.3713	.3534	.3343	.3334	.3587	.3816	.3555	

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
SEPTEMBER.	1	.355	.336	.303	.317	.338	.354	.352	.336	.310	.311	.329	.340	.3317
	2	.338	.306	.279	.281	.291	.294	.308	.281	.262	.255	.278	.304	.2897
	3	.300	.269	.256	.251	.260	.273	.264	.244	.226	.220	.259	.291	.2594
	4	.280	.259	.242	.248	.272	.295	.308	.291	.277	.284	.314	.351	.2851
	5	.375	.343	.333	.341	.355	.377	.378	—	—	—	—	—	.3459
	6	—	—	—	—	—	—	—	.325	.310	.308	.342	.364	.3138
	7	.347	.302	.288	.286	.317	.341	.342	.314	.285	.306	.300	.338	.2987
	8	.330	.297	.267	.276	.252	.316	.321	.310	.293	.293	.301	.329	.3029
	9	.310	.283	.263	.277	.304	.336	.331	.308	.289	.289	.305	.340	.3027
	10	.342	.308	.296	.292	.314	.334	.329	.303	.271	.258	.272	.314	.2807
	11	.321	.292	.264	.275	.271	.296	.291	.285	.243	.254	.283	.294	.3014
	12	.298	.270	.254	.259	.279	.314	.334	—	—	—	—	—	.3465
	13	—	—	—	—	—	—	—	.329	.294	.300	.329	.357	.3244
	14	.355	.335	.293	.315	.345	.384	.375	.356	.328	.338	.356	.378	.3267
	15	.344	.305	.292	.301	.316	.345	.355	.330	.306	.306	.337	.356	.3267
	16	.360	.327	.288	.293	.325	.352	.361	—	.298	.304	.328	.358	.3019
	17	.354	.317	.304	.303	.336	.348	.352	.330	.298	.308	.332	.339	.2949
	18	.344	.292	.276	.302	.312	.318	.312	.293	.284	.286	.284	.320	.3290
	19	.316	.279	.257	.252	.281	.314	.310	—	—	—	—	—	.3497
	20	—	—	—	—	—	—	—	.291	.285	.300	.314	.340	.3626
	21	.340	.307	.296	.305	.330	.358	.358	.336	.311	.318	.357	.332	.3464
	22	.384	.351	.338	.335	.356	.380	.365	.337	.312	.327	.345	.366	.3509
	23	.366	.352	.335	.343	.362	.386	.394	.362	.339	.345	.367	.400	.3387
	24	.387	.344	.311	.322	.346	.376	.375	.343	.309	.318	.351	.375	.3043
	25	.366	.342	.305	.327	.351	.374	.344	.367	.342	.339	.367	.387	.2755
	26	.387	.357	.338	.341	.362	.381	.368	—	—	—	—	—	.2566
	27	—	—	—	—	—	—	—	—	.261	.274	.313	.344	
	28	.338	.301	.275	.285	.321	.342	.343	.305	.282	.256	.294	.310	
	29	.311	.279	.261	.270	.287	.318	.290	.255	.228	.249	.262	.296	
	30	.289	.255	.236	.240	.272	.299	.297	.256	.228	.213	.236	.258	
Hourly Means	.3399	.3080	.2865	.2937	.3137	.3387	.3368	.3112	.2873	.2907	.3137	.3377	.3132	
OCTOBER.	1	.272	.258	.221	.225	.233	.257	.253	.240	.203	.228	.252	.2431	
	2	.261	.223	.193	.198	.223	.257	.258	.238	.221	.210	.231	.2307	
	3	.257	.221	.180	.189	.213	.234	.239	—	—	—	—	.2192	
	4	—	—	—	—	—	—	—	.194	.183	.207	.250	.264	
	5	.273	.234	.219	.232	.254	.271	.279	.256	.245	—	.259	.282	.2549
	6	.276	.224	.201	.226	.246	.279	.279	.241	.212	.207	.226	.256	.2394
	7	.242	.205	.187	.189	.227	.259	.255	.224	.201	.204	.250	.283	.2272
	8	.287	.223	.239	.233	.280	.297	.289	.231	.204	.212	.240	.266	.2501
	9	.263	.225	.206	.217	.242	.261	.251	.221	.210	.212	.240	.259	.2339
	10	.264	.226	.208	.235	.250	.281	.287	—	—	—	—	—	.2492
	11	—	—	—	—	—	—	—	.253	.219	.220	.262	.286	.2341
	12	.279	.238	.210	.215	.237	.263	.257	.228	.192	.200	.232	.258	.2547
	13	.247	.229	.222	.229	.267	.285	.283	.245	.226	.246	.276	.302	.2896
	14	.292	.273	.257	.259	.279	.306	.312	.302	.274	.285	.302	.334	.3113
	15	.331	.308	.279	.279	.307	.337	.342	.312	.288	.294	.318	.341	.2982
	16	.335	.286	.260	.262	.290	.323	.330	.311	.266	.278	.309	.328	.2777
	17	.324	.299	.279	.281	.299	.315	.295	—	—	—	—	—	.2549
	18	—	—	—	—	—	—	—	.226	.215	.232	.274	.293	.2509
	19	.291	.263	.231	.228	.259	.285	.282	.248	.221	.217	.257	.277	.2606
	20	.263	.247	.223	.226	.248	.272	.284	—	.220	.225	.261	.291	.2335
	21	.280	.249	.235	.241	.263	.282	.282	.253	.229	.243	.276	.294	.2308
	22	.282	.246	.211	.201	.232	.248	.246	.219	.202	.212	.250	.253	.2318
	23	.256	.224	.199	.201	.222	.257	.252	.221	.204	.220	.250	.264	.2167
	24	.267	.233	.205	.202	.255	.292	.277	—	—	—	—	—	.2118
	25	—	—	—	—	—	—	—	.218	.189	.200	.203	.241	.2248
	26	.254	.231	.201	.199	.222	.250	.241	.206	.173	.181	.207	.236	.2330
	27	.235	.211	.184	.191	.219	.246	.249	.219	.185	.173	.203	.227	.2262
	28	.238	.223	.203	.196	.213	.242	.252	.221	.193	.207	.243	.267	.2132
	29	.256	.233	.201	.201	.215	.245	.258	.225	.210	.216	.254	.282	
	30	.277	.243	.220	.213	.224	.238	.242	.207	.194	.190	.220	.246	
	31	.232	.197	.188	.184	.214	.237	.246	—	—	—	—	—	
	32	—	—	—	—	—	—	—	.203	.171	.193	.233	.261	
Hourly Means	.2716	.2397	.2171	.2204	.2457	.2711	.2711	.2370	.2130	.2197	.2510	.2749	.2445	

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
NOVEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	·283	·259	·233	·231	·266	·301	·307	·281	·259	·278	·312	·341	·2792
	3	·332	·310	·277	·282	·295	·329	·319	·274	·256	·250	·285	·295	·2920
	4	·283	·238	·220	·224	·217	·239	·242	·216	·190	·198	·230	·306	·2336
	5	·233	·208	·176	·184	·200	·215	·219	·194	·176	·199	·237	·258	·2082
	6	·249	·210	·190	·197	·227	·258	·265	·233	·218	·244	·296	·314	·2417
	7	·295	·262	·246	·244	·280	·308	·317	—	—	—	—	—	·2734
	8	—	—	—	—	—	—	—	·251	·234	·247	·288	·309	—
	9	·271	·267	·245	·241	·269	·291	·295	·252	·230	·232	·263	·289	·2621
	10	·282	·261	·228	·224	·241	·270	·281	·248	·238	·250	·280	·299	·2585
	11	·303	·253	·224	·217	·225	·260	·272	·248	·237	·239	·277	·319	·2562
	12	·313	·286	·247	·240	·270	·293	·305	·270	·284	·277	·299	·321	·2837
	13	·303	·277	·244	·242	·271	·301	·312	·280	·254	·255	·283	·302	·2770
	14	·293	·258	·231	·219	·238	·260	·259	—	—	—	—	—	·2449
	15	—	—	—	—	—	—	—	·229	·216	·223	·250	·263	—
	16	·270	·243	·228	·228	·249	·275	·255	·234	·230	·241	·277	·301	·2526
	17	·292	·259	·239	·227	·247	·269	·270	·223	·209	·221	·275	·395	·2539
	18	·302	·268	·233	·225	·252	·276	·275	·243	·223	·232	·260	·282	·2559
	19	·266	·247	·217	·201	·219	·248	·249	·209	·191	·194	·235	·254	·2275
	20	·245	·221	·193	·191	·218	·243	·242	·195	·181	·200	·238	·251	·2182
	21	·248	·231	·213	·222	·249	·286	·292	—	—	—	—	—	·2706
	22	—	—	—	—	—	—	—	·293	·271	·281	·319	·342	—
	23	·352	·295	·261	·271	·292	·330	·336	·286	·258	·263	·289	·310	·2952
	24	·315	·283	·262	·240	·243	·281	·288	·273	·250	·260	·293	·307	·2746
	25	·309	·274	·254	·238	·253	·273	·288	·250	·231	·229	·263	·281	·2619
	26	·288	·265	·241	·240	·254	·283	·295	·253	·238	·248	·282	·301	·2657
	27	·310	·287	·268	·252	·266	·299	·306	·273	·258	·268	·305	·332	·2853
	28	·325	·305	·288	·275	·293	·316	·318	—	—	—	—	—	·2816
	29	—	—	—	—	—	—	—	·256	·230	·236	·256	·281	—
	30	·269	·249	·209	·203	·222	·250	·246	·213	·200	·213	·249	·279	·2335
Hourly Means	·2892	·2606	·2347	·2303	·2502	·2782	·2821	·2471	·2305	·2391	·2736	·2977	·2594	
DECEMBER.	1	·281	·251	·219	·221	·250	·277	·265	·231	·221	·243	·281	·303	·2536
	2	·288	·249	·229	·228	·253	·276	·268	·240	·225	·231	·267	·289	·2536
	3	·295	·261	·231	·220	·239	·259	·245	·200	·184	·196	·239	·250	·2349
	4	·243	·229	·194	·193	·215	·225	·237	·188	·172	·176	·214	·226	·2093
	5	·215	·197	·164	·178	·206	·228	·234	—	—	—	—	—	·2192
	6	—	—	—	—	—	—	—	·229	·221	·229	·261	·269	—
	7	·249	·238	·214	·210	·241	·259	·269	·234	·216	·231	·269	·284	·2428
	8	·277	·252	·215	·208	·232	·259	·271	·246	·226	·213	·251	·280	·2442
	9	·279	·245	·216	·214	·234	·267	·272	·238	·229	—	·274	·299	·2515
	10	·300	·284	·260	·262	·262	·283	·295	·265	·241	·266	·318	·337	·2811
	11	·330	·320	·289	·276	·293	·321	·309	·280	·251	·276	·304	·315	·2970
	12	·315	·288	·253	·248	·272	·291	·293	—	—	—	—	—	·2594
	13	—	—	—	—	—	—	—	·223	·199	·216	·251	·264	—
	14	·265	·230	·212	·207	·247	·283	·293	·249	·243	·264	·299	·231	·2519
	15	·313	·289	·269	·259	·274	·303	—	·271	·251	·263	·297	·321	·2827
	16	·297	·279	·257	·243	·256	·290	·294	·242	·243	·250	·279	·294	·2703
	17	·287	·269	·244	·232	·246	·277	·287	·262	·236	·239	·268	·289	·2613
	18	·290	·257	·237	·229	·249	·271	·265	·232	·194	—	·244	·253	·2474
	19	·247	·230 <sup>a</sup>	·194	·191	·229	·266	·275	—	—	—	—	—	·2436
	20	—	—	—	—	—	—	—	·242	·222	·242	·286	·299	—
	21	·289	·263	·223	·218	·234	·250	·285	·259	·242	·252	·275	·295	·2571
	22	·292	·270	·233	·217	·239	·273	·280	·257	·239	·255	·297	·307	·2632
	23	·295	·275	·244	·228	·228	·244	·254	·233	·201	·197	·225	·237	·2384
	24	·230	·204	·176	·162	·190	·214	·229 <sup>b</sup>	—	—	—	—	—	·2315
	25	—	—	—	—	—	—	—	·258	·243	·250	·299	·323	—
	26	·326	·320	·281	·264	·288	·321	·336	—	—	—	—	—	·2921
	27	—	—	—	—	—	—	—	·279	·249	·259	·287	·295	—
	28	·308	·274	·246	·242	·262	·286	·286	·241	·223	·283 <sup>a</sup>	·252	·263	·2638
	29	·250	·226	·184	·182	·200	·237	·229	·197	·179	·191	·228	·254	·2131
	30	·247	·217	·187	·175	·197	·223	·231	·195	·179	·193	·225	·235	·2087
	31	·228	·219	·194	·187	·216	·242	·244	·210	·184	·191	·252	·255	·2185
Hourly Means	·2783	·2562	·2256	·2190	·2405	·2663	·2698	·2393	·2197	·2314	·2670	·2795	·2495	

<sup>a</sup> Omitted in the Hourly Means (marked doubtful in the original return).<sup>b</sup> Christmas Day.



STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MAY.	1	66.5	—	—	68.2	63.7	62.5	61.5	61.0	61.0	61.0	61.2	64.0	63.06
	2	67.5	—	—	68.0	62.4	59.8	59.7	—	—	—	—	—	62.63
	3	—	—	—	—	—	—	—	60.4	61.0	61.4	61.7	64.4	
	4	67.9	—	—	67.8	64.0	63.2	62.1	62.0	62.0	62.4	62.0	65.1	63.85
	5	68.5	67.2	68.7	66.0	64.0	62.7	62.5	61.0	61.0	60.7	61.5	65.2	64.08
	6	—	66.2	68.0	65.7	62.5	61.5	60.5	59.5	59.6	59.1	59.9	63.2	62.34
	7	66.5	67.8	68.4	66.6	62.5	61.2	61.0	61.3	61.1	61.0	61.2	63.8	63.53
	8	66.2	66.7	65.0	63.2	62.5	62.0	62.0	61.4	61.0	60.3	60.4	62.5	62.77
	9	63.4	65.5	62.3	61.8	61.2	61.5	60.5	—	—	—	—	—	61.55
	10	—	—	—	—	—	—	—	60.9	60.9	60.0	59.1	61.5	
	11	62.2	63.1	63.0	60.5	59.2	58.5	58.8	58.0	59.5	58.9	59.2	61.2	60.17
	12	62.0	63.4	62.6	60.0	59.8	59.4	59.6	59.6	59.5	59.4	59.4	62.5	60.60
	13	62.8	62.8	63.1	62.3	59.7	61.2	60.1	59.5	60.6	59.8	59.7	59.8	60.95
	14	60.1	62.4	61.8	61.2	61.0	60.5	60.4	60.1	59.5	58.7	59.4	61.8	60.57
	15	62.7	64.3	64.2	62.0	63.0	60.2	60.7	59.6	59.5	59.6	59.6	60.8	61.35
	16	64.2	65.5	64.8	63.1	61.0	61.0	60.9	—	—	—	—	—	61.71
	17	—	—	—	—	—	—	—	60.4	59.4	59.4	59.8	61.0	
	18	63.4	63.8	63.7	62.2	61.2	60.4	60.1	59.8	58.8	59.4	60.9	61.9	61.30
	19	64.8	64.7	64.5	62.4	61.2	59.8	60.2	60.0	59.8	59.9	60.4	60.5	61.52
	20	63.2	64.0	61.1	61.9	60.5	60.5	59.7	59.7	59.4	58.3	59.0	—	60.66
	21	61.8	63.2	61.9	60.9	59.8	59.5	58.5	57.6	58.1	57.2	58.0	58.6	59.59
	22	58.7	59.4	61.2	59.5	59.2	59.0	58.8	59.1	58.0	58.8	58.9	60.2	59.23
	23	62.0	62.2	61.1	60.4	59.0	59.0	59.0	—	—	—	—	—	59.84
	24	—	—	—	—	—	—	—	59.4	58.8	58.5	58.5	60.2	
	25	61.2	64.8	63.6	61.1	60.0	60.0	59.6	59.0	59.5	59.3	58.7	61.5	60.69
	26	65.5	65.6	64.1	62.7	61.3	59.5	—	59.5	59.0	58.7	58.3	61.5	61.43
	27	63.2	64.0	64.1	62.5	60.0	59.6	59.5	59.3	58.2	57.5	58.2	60.5	60.55
	28	63.8	66.2	65.0	63.2	60.5	59.4	59.1	58.1	58.2	58.7	58.7	62.0	61.02
	29	63.3	64.2	63.3	62.5	60.3	60.3	59.5	59.8	59.4	59.5	59.5	61.0	61.05
	30	61.7	61.4	60.7	60.1	59.6	60.0	60.0	—	—	—	—	—	59.88
	31	—	—	—	—	—	—	—	59.1	59.4	58.5	58.7	59.4	
Hourly Means	63.72	64.28	63.75	62.92	61.12	60.47	60.17	59.81	59.69	59.44	59.69	61.76	61.34	
JUNE.	1	59.7	60.6	60.6	58.5	58.6	58.5	58.0	58.0	57.7	57.6	57.5	60.5	58.82
	2	62.0	61.1	61.5	60.0	59.0	58.5	58.4	57.9	57.1	57.5	57.4	57.7	59.01
	3	60.2	60.0	61.2	59.2	58.8	59.0	58.8	57.5	57.5	58.1	56.5	58.8	58.80
	4	60.8	63.4	62.4	60.9	58.8	58.5	59.2	59.1	59.2	56.7	58.6	60.8	59.87
	5	62.1	61.8	63.0	62.0	60.0	59.7	59.8	60.0	59.7	59.8	60.2	62.2	60.86
	6	63.4	63.6	63.2	62.0	60.4	60.1	59.6	—	—	—	—	—	60.65
	7	—	—	—	—	—	—	—	59.4	59.0	58.8	58.6	59.7	
	8	64.0	63.5	62.5	60.6	59.6	59.9	60.2	59.5	59.2	59.0	58.7	59.6	60.52
	9	63.6	63.5	63.7	62.0	60.4	59.9	60.0	59.7	59.3	59.2	59.2	62.3	61.07
	10	64.0	63.0	60.5	59.0	60.0	60.0	59.9	59.9	59.4	59.7	60.1	61.0	60.54
	11	61.7	62.6	62.4	60.9	60.3	60.2	59.4	60.3	59.8	59.7	59.6	59.4	60.52
	12	61.3	62.7	62.0	61.0	60.4	60.0	60.0	59.5	59.6	59.4	59.4	61.0	60.52
	13	62.2	63.0	61.3	60.4	60.0	59.1	59.0	—	—	—	—	—	59.91
	14	—	—	—	—	—	—	—	57.6	57.5	57.4	62.4	59.0	
	15	59.7	61.1	58.7	57.6	57.3	57.4	57.5	57.0	56.0	57.0	56.7	58.4	57.87
	16	60.2	61.6	60.7	59.5	59.0	58.0	57.6	57.7	57.5	57.1	57.1	59.0	58.75
	17	61.4	62.6	62.4	59.0	56.6	57.0	56.7	56.2	57.0	56.8	57.5	60.4	58.63
	18	62.3	63.1	61.4	59.5	57.5	56.2	55.7	55.6	56.0	56.1	57.1	58.6	58.26
	19	60.7	61.8	61.0	60.1	58.4	58.7	56.5	58.6	59.3	58.7	58.7	60.6	59.42
	20	62.9	65.0	64.1	—	59.5	59.0	58.8	—	—	—	—	—	59.82
	21	—	—	—	—	—	—	—	57.0	57.5	56.7	58.0	59.5	
	22	61.5	60.4	59.5	57.5	57.7	57.4	57.7	58.1	58.4	58.2	58.4	59.4	58.68
	23	60.3	60.0	60.3	59.4	59.0	58.8	58.6	58.5	58.0	58.7	58.4	60.5	59.21
	24	61.1	61.5	60.5	60.0	59.2	59.0	58.9	58.3	58.3	58.5	58.2	59.8	59.44
	25	61.2	61.9	61.7	60.1	59.0	58.5	58.3	58.1	57.8	57.9	58.0	59.7	59.35
	26	60.7	63.0	59.6	59.5	58.9	58.1	57.5	57.7	57.9	58.2	57.6	60.4	59.09
	27	60.6	63.2	61.6	59.8	59.2	58.6	58.4	—	—	—	—	—	59.23
	28	—	—	—	—	—	—	—	58.3	57.9	57.3	57.3	58.6	
	29	60.4	61.1	60.0	60.2	58.6	58.3	56.4	55.7	54.7	54.4	54.2	59.1	57.76
	30	61.1	62.1	63.1	60.8	57.3	56.1	56.1	56.5	55.5	55.8	56.6	58.8	58.32
Hourly Means	61.50	62.20	61.49	59.98	58.98	58.63	58.35	58.14	57.95	57.86	58.15	59.80	59.42	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	63.0	64.3	63.8	62.2	60.2	57.4	56.7	57.7	58.2	58.0	60.4	59.99	
	2	62.0	62.2	63.2	59.4	57.0	56.2	56.2	57.2	57.5	57.4	57.2	60.5	58.83
	3	60.9	60.2	59.5	58.7	57.6	57.2	58.0	59.6	56.8	57.5	57.5	59.5	58.58
	4	62.1	62.5	62.5	60.6	57.6	57.4	57.5	—	—	—	—	—	58.77
	5	—	—	—	—	—	—	—	56.5	56.5	56.2	56.9	59.0	58.56
	6	62.0	61.4	60.7	59.3	57.2	57.5	57.5	57.2	56.5	56.6	57.5	59.3	58.57
	7	60.5	61.6	61.1	60.2	58.6	58.1	57.6	57.4	55.5	56.7	56.0	59.6	59.81
	8	62.5	63.8	64.2	60.7	58.6	58.4	58.5	58.1	57.6	57.6	58.0	59.7	58.62
	9	61.1	61.1	60.4	58.8	58.4	58.0	57.8	57.5	57.0	57.1	56.8	59.4	57.72
	10	60.8	62.1	58.3	57.0	56.1	57.2	57.0	57.2	57.1	56.0	56.4	57.4	57.37
	11	59.8	60.5	59.4	57.5	56.5	56.5	56.5	—	—	—	—	—	57.50
	12	—	—	—	—	—	—	—	55.6	56.5	55.6	56.0	58.0	57.67
	13	60.1	61.1	60.4	58.4	57.0	56.5	56.0	56.2	56.6	54.7	55.5	57.5	58.80
	14	58.5	59.6	60.2	59.3	57.6	57.6	57.0	55.5	56.2	56.1	56.4	58.1	59.94
	15	59.7	61.0	63.4	60.8	58.7	58.3	57.6	57.2	57.1	56.5	56.6	58.7	58.22
	16	61.9	64.2	64.1	61.4	59.5	58.9	58.5	58.0	57.9	57.9	57.6	59.4	58.93
	17	60.5	61.9	62.4	62.7	57.0	56.2	55.6	56.2	55.9	55.8	55.2	59.2	57.62
	18	62.2	63.0	63.2	61.5	59.2	57.8	57.6	—	—	—	—	—	57.86
	19	—	—	—	—	—	—	—	56.0	56.2	56.4	56.5	57.6	57.63
	20	59.9	61.3	60.0	58.5	56.8	56.5	56.4	54.9	56.2	56.1	56.3	58.5	58.35
	21	60.7	60.7	60.3	58.7	57.6	57.4	57.4	56.0	55.6	56.0	55.3	58.6	58.39
	22	59.9	61.6	61.2	59.0	57.0	56.8	57.0	56.7	56.0	54.4	54.7	57.3	56.64
	23	59.5	60.6	59.4	58.3	57.6	57.5	57.6	57.6	58.0	57.5	57.9	58.7	56.61
	24	58.8	58.6	60.8	58.8	57.7	58.3	58.0	58.0	56.9	57.9	58.4	58.5	55.71
	25	58.2	59.0	57.6	56.7	57.7	57.0	56.7	—	—	—	—	—	56.51
	26	—	—	—	—	—	—	—	55.5	55.0	54.7	55.2	56.4	56.63
	27	56.5	57.9	60.0	58.4	56.8	57.0	56.3	56.7	55.7	55.0	53.7	55.3	56.88
	28	56.8	58.6	58.0	55.7	55.6	55.8	55.7	54.7	53.5	53.8	54.6	55.7	
	29	56.6	57.3	57.5	56.6	55.5	56.1	56.4	55.7	55.8	—	56.1	58.0	
	30	59.5	60.7	58.8	56.7	55.3	55.4	54.9	55.6	55.6	54.6	54.5	58.0	
	31	58.8	60.3	60.0	58.0	56.8	56.0	55.5	55.1	55.2	55.5	55.3	56.1	
Hourly Means	60.10	61.00	60.76	59.03	57.45	57.15	56.94	56.65	56.39	56.22	56.30	58.31	58.03	
AUGUST.	1	59.6	59.8	60.0	58.0	57.3	56.7	56.8	—	—	—	—	57.52	
	2	—	—	—	—	—	—	—	56.7	56.6	55.7	56.2	56.99	
	3	57.0	57.7	58.4	56.9	56.0	56.2	56.5	56.0	55.7	56.0	55.5	56.5	56.53
	4	56.8	58.0	57.4	58.0	56.5	55.5	55.7	55.6	54.9	55.5	55.4	56.6	56.32
	5	58.9	58.3	57.6	56.5	56.5	55.7	55.3	55.0	55.0	54.5	54.5	56.2	56.17
	6	58.1	58.2	59.0	58.2	56.5	56.7	55.5	55.8	55.5	55.3	56.0	56.4	56.77
	7	58.1	59.6	58.0	56.8	55.8	55.0	54.6	54.7	53.6	53.3	53.5	54.8	55.65
	8	57.7	56.0	56.9	55.2	55.2	55.2	55.0	—	—	—	—	—	55.89
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	55.4	55.6	55.6	59.0	56.40
	17	61.6	61.6	61.0	—	—	56.5	—	—	55.5	54.8	54.5	56.2	57.71
	18	58.5	60.2	59.6	58.2	56.8	55.5	55.0	55.0	54.4	54.1	54.0	55.8	56.42
	19	58.0	59.5	60.0	57.5	55.5	55.4	55.0	54.5	53.8	53.6	53.5	55.8	56.01
	20	58.5	—	60.0	—	—	56.2	55.0	54.6	54.0	53.8	54.6	57.4	56.01
	21	57.6	59.9	59.5	57.0	55.7	55.5	55.6	55.5	55.1	54.5	54.8	57.3	56.50
	22	58.4	59.0	56.1	—	56.0	56.0	55.5	—	—	—	—	—	56.65
	23	—	—	—	—	—	—	—	—	54.8	—	—	57.4	—
	24	—	—	58.5	—	—	55.7	—	—	54.4	53.4	54.6	56.5	55.52
	25	58.3	59.2	58.3	55.1	—	55.2	—	54.5	54.2	54.0	53.7	55.3	55.78
	26	56.8	—	57.1	56.5	55.5	54.5	54.7	54.5	54.5	54.6	55.0	57.6	55.57
	27	59.7	60.7	59.7	58.0	55.5	55.2	55.5	54.3	54.8	54.8	55.0	57.3	56.71
	28	60.0	59.5	59.7	57.3	56.0	55.5	—	—	54.0	—	—	55.5	57.19
	29	—	—	58.8	—	—	55.5	—	—	—	—	—	—	55.50
	30	—	—	—	—	—	—	—	55.5	54.7	54.5	54.3	55.2	—
	31	58.9	59.7	59.3	56.7	55.5	55.6	54.6	53.6	52.8	53.6	53.7	55.9	55.82
Hourly Means	58.75	59.92	59.05	57.04	55.81	55.56	55.11	54.67	54.46	54.27	54.44	56.58	56.26	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
SEPTEMBER.	1	58.5	60.9	58.7	57.4	56.2	56.0	55.8	55.0	54.5	54.5	54.8	55.5	56.48
	2	56.7	59.4	60.0	58.7	54.9	54.1	54.2	54.5	55.0	55.1	55.5	57.7	56.32
	3	61.8	61.7	61.7	60.0	58.2	57.1	55.3	56.5	56.5	56.3	56.2	59.3	58.38
	4	61.3	60.5	61.5	60.8	58.8	57.7	57.2	56.1	55.7	56.0	57.0	58.2	58.40
	5	59.3	—	59.4	57.8	57.0	56.7	56.4	—	—	—	—	—	56.77
	6	—	—	—	—	—	—	—	55.5	55.5	55.4	55.3	56.2	
	7	59.0	58.5	57.3	56.5	56.2	55.4	55.3	55.0	54.6	54.7	55.4	56.5	56.20
	8	58.7	58.0	58.4	56.3	55.8	55.5	—	55.5	55.2	54.9	55.4	56.6	56.39
	9	57.6	58.5	58.3	56.6	55.4	55.4	55.2	55.2	54.2	53.7	54.0	56.4	55.87
	10	58.0	60.2	57.5	56.5	54.7	55.2	54.1	54.0	53.6	—	53.4	55.4	55.69
	11	58.6	57.7	58.9	—	54.2	55.6	54.9	54.3	54.0	53.7	53.7	56.2	55.62
	12	59.2	58.8	58.4	56.2	55.5	55.1	54.3	—	—	—	—	—	56.33
	13	—	—	—	—	—	—	—	55.5	55.5	55.4	55.5	56.6	
	14	59.3	60.0	61.0	57.8	56.2	55.6	55.4	55.5	55.1	55.0	56.0	58.2	57.09
	15	60.6	61.0	59.9	58.0	56.4	56.0	55.2	55.0	55.0	55.2	55.6	57.6	57.12
	16	59.6	60.9	61.6	58.5	56.4	55.7	56.2	—	54.9	55.0	54.8	56.3	57.26
	17	59.7	61.6	60.3	57.6	55.9	55.5	55.3	55.0	55.0	54.5	55.0	57.1	56.87
	18	—	59.6	59.3	57.2	56.0	55.1	55.0	54.8	54.8	54.6	55.0	56.4	56.16
	19	57.2	58.0	57.3	55.7	55.3	55.6	54.5	—	—	—	—	—	56.02
	20	—	—	—	—	—	—	—	55.2	54.6	55.2	55.7	58.0	
	21	57.8	57.6	58.7	57.2	55.5	55.1	55.0	54.7	55.0	54.5	54.7	56.2	56.00
	22	56.7	57.3	56.7	56.0	55.0	54.6	54.6	53.7	53.7	53.7	54.5	56.7	55.27
	23	60.8	61.8	61.3	58.7	55.7	55.5	—	—	54.5	—	—	55.4	57.96
	24	—	—	60.5	—	—	54.7	54.4	54.3	54.0	53.4	53.7	55.7	55.09
	25	57.9	60.0	58.6	56.7	55.6	55.5	55.5	55.3	55.3	55.3	56.0	57.7	56.62
	26	59.7	62.0	59.0	56.7	56.0	55.5	55.3	—	—	—	—	—	56.91
	27	—	—	—	—	—	—	—	—	55.0	54.5	55.0	57.3	
	28	59.7	60.8	60.0	58.2	56.9	56.4	56.0	55.7	55.5	54.7	55.4	58.7	57.33
	29	61.2	62.3	62.1	58.5	56.6	56.2	55.7	55.2	54.8	54.3	55.3	59.4	57.63
	30	60.0	61.3	61.2	58.2	56.3	55.8	55.5	55.2	55.0	54.2	55.7	58.6	57.25
Hourly Means	59.12	59.93	59.52	57.57	56.03	55.64	55.26	55.07	54.87	54.74	55.14	57.07	56.67	
OCTOBER.	1	61.3	63.3	62.7	59.3	57.0	56.4	56.0	55.7	55.4	55.5	56.4	60.3	58.27
	2	62.5	64.0	63.5	60.5	57.4	57.1	56.7	56.5	56.4	56.0	56.6	58.9	58.84
	3	61.3	63.6	63.7	60.0	58.2	57.7	57.4	—	—	—	—	—	58.71
	4	—	—	—	—	—	—	—	55.7	55.0	55.7	56.5	59.7	
	5	62.4	63.0	61.8	59.9	58.2	58.0	57.8	57.7	57.8	—	58.1	61.0	59.61
	6	61.2	63.8	61.4	59.0	57.5	57.0	56.5	55.8	55.9	55.7	56.7	58.5	58.25
	7	60.4	61.5	61.4	58.8	56.7	56.5	56.1	55.8	55.8	55.0	56.3	60.0	57.86
	8	62.0	63.2	61.0	58.7	57.2	57.0	56.5	56.0	55.8	56.1	56.5	59.0	58.25
	9	60.5	64.5	62.3	59.5	57.6	57.7	57.2	56.9	56.8	56.8	57.2	59.5	58.87
	10	61.6	61.7	59.5	58.4	57.4	57.0	57.2	—	—	—	—	—	58.12
	11	—	—	—	—	—	—	—	56.4	56.6	56.5	57.1	58.0	
	12	58.7	61.3	61.1	58.2	57.0	57.1	56.0	56.2	56.0	56.0	56.5	57.7	57.65
	13	59.3	61.1	59.6	58.0	57.4	57.1	57.2	56.5	56.4	56.4	57.3	59.2	57.96
	14	60.1	60.2	59.2	57.5	56.6	56.4	56.4	56.3	56.5	56.1	57.0	58.0	57.52
	15	59.7	59.5	60.8	58.5	56.8	57.1	56.5	56.1	56.7	56.5	56.5	58.3	57.75
	16	61.5	63.6	61.6	58.8	57.0	57.0	56.8	56.0	55.5	55.1	55.7	57.0	57.97
	17	59.5	60.0	60.2	59.4	57.0	56.5	56.4	—	—	—	—	—	57.66
	18	—	—	—	—	—	—	—	56.1	56.2	55.6	56.5	58.5	
	19	59.7	61.0	59.2	59.2	57.5	56.7	56.3	56.2	55.8	55.6	56.5	58.6	57.69
	20	60.0	60.7	59.0	58.8	56.5	56.7	56.5	—	56.1	55.7	56.0	57.9	57.63
	21	59.5	59.9	59.0	58.1	56.9	56.2	—	—	55.6	—	—	57.3	57.81
	22	—	—	59.4	—	—	—	55.6	55.6	55.7	55.5	55.5	56.3	60.3
	23	62.7	64.0	64.2	61.4	58.1	57.4	57.1	56.8	56.5	56.0	56.8	58.0	59.09
	24	61.4	61.6	60.6	59.5	57.6	57.0	56.3	—	—	—	—	—	58.04
	25	—	—	—	—	—	—	—	55.8	55.0	53.9	56.6	61.2	
	26	64.7	63.8	62.2	61.2	59.0	58.5	58.0	56.5	55.5	54.6	57.0	61.4	59.37
	27	64.3	65.5	66.8	62.1	59.2	59.0	57.3	58.2	57.5	57.3	58.0	60.8	60.50
	28	63.1	64.9	62.8	60.4	58.7	58.0	58.0	57.7	57.5	57.5	58.0	60.7	59.77
	29	63.2	63.1	62.5	61.0	58.2	57.5	57.6	57.8	57.6	57.5	58.1	60.3	59.53
	30	62.5	64.0	63.0	61.1	58.8	58.3	57.8	57.6	57.6	57.5	58.2	61.7	59.84
	31	65.3	66.7	65.6	62.4	59.7	59.3	58.6	—	—	—	—	—	61.88
	32	—	—	—	—	—	—	—	60.6	59.8	58.9	59.6	65.1	
Hourly Means	61.48	62.67	61.67	59.60	57.66	57.25	56.92	56.66	56.40	56.12	57.00	59.51	58.59	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21	
OCT.	31	65.3	66.7	66.6	62.4	59.7	59.3	58.6	—	—	—	—	—	61.88
	1	—	—	—	—	—	—	—	60.6	59.8	58.9	59.6	65.1	62.27
	2	67.5	69.4	69.4	66.1	59.6	59.1	59.2	58.2	57.0	57.6	59.7	64.4	
	3	66.3	67.6	65.4	62.5	59.5	59.0	58.6	58.5	58.4	58.2	59.5	64.6	61.51
	4	65.7	66.2	66.8	62.6	60.0	58.8	58.8	58.3	58.1	58.0	59.5	62.4	61.27
	5	65.8	64.6	64.9	63.2	60.0	58.4	58.0	58.4	58.3	58.3	59.5	61.9	60.94
	6	66.4	67.5	65.2	62.0	60.0	58.5	58.7	58.3	58.5	58.0	59.0	61.9	61.17
	7	65.2	66.2	65.2	62.0	59.5	59.5	59.1	—	—	—	—	—	60.94
	8	—	—	—	—	—	—	—	58.0	57.9	57.7	58.8	62.2	61.57
	9	66.2	68.1	66.0	63.0	60.4	59.6	59.5	59.0	58.9	58.3	59.0	60.8	
	10	65.2	66.6	65.2	64.3	60.0	59.3	58.0	58.5	58.3	57.1	58.2	62.3	61.08
	11	62.7	65.5	65.6	58.8	58.0	58.3	58.0	57.7	57.6	57.6	57.7	60.0	59.79
	12	63.8	65.7	64.4	62.0	58.7	59.0	59.0	59.0	58.0	57.7	59.3	61.8	60.70
	13	64.6	64.2	66.0	62.7	59.5	59.3	59.1	58.2	57.8	57.6	57.9	60.7	60.63
	14	62.2	—	63.4	61.5	59.3	58.0	57.6	—	—	—	—	—	59.54
	15	—	—	—	—	—	—	—	58.0	57.8	57.1	58.4	61.6	
	16	62.1	65.1	64.1	61.1	59.4	58.6	58.7	58.5	58.2	58.2	59.2	60.6	60.32
	17	63.1	66.7	63.0	61.5	59.8	59.6	59.2	59.0	58.5	58.4	59.2	60.4	60.70
	18	61.1	60.6	62.5	60.3	59.0	58.6	58.6	57.8	57.7	58.1	58.1	59.3	59.31
	19	62.5	64.7	62.5	60.3	59.0	58.6	57.8	58.1	58.0	57.8	58.4	60.2	59.82
	20	62.7	65.0	64.2	61.4	59.5	59.2	58.8	58.3	57.9	58.0	58.6	60.7	60.36
	21	64.0	66.2	63.7	62.0	60.0	59.5	59.2	—	—	—	—	—	60.74
	22	—	—	—	—	—	—	—	59.0	59.0	58.0	58.6	59.7	
	23	61.6	64.6	63.2	60.5	59.2	58.7	58.6	58.1	57.8	57.7	58.6	60.6	59.93
	24	62.5	61.4	61.7	59.0	57.5	57.6	56.8	56.5	56.1	56.4	56.6	58.6	58.39
	25	60.4	61.5	60.0	59.3	58.2	58.3	58.0	57.5	57.4	57.3	58.0	60.8	58.89
	26	61.4	63.2	62.6	60.1	58.4	58.6	57.6	57.5	57.6	57.5	58.2	61.2	59.49
	27	63.1	65.3	65.7	63.5	60.2	59.2	59.2	58.6	58.7	59.2	59.2	62.9	61.18
	28	64.8	63.7	64.2	62.6	60.6	60.1	60.1	—	—	—	—	—	60.57
	29	—	—	—	—	—	—	—	57.8	57.6	56.7	58.0	60.6	
	30	62.8	63.2	62.1	61.5	58.6	58.4	58.3	58.4	57.4	57.7	58.6	61.0	59.83
Hourly Means		63.81	65.18	64.37	61.78	59.37	58.89	58.58	58.30	58.01	57.79	58.67	61.39	60.50
DECEMBER.	1	63.8	66.2	66.0	61.6	59.4	58.4	59.1	59.1	58.7	58.6	58.6	62.1	60.97
	2	64.6	67.2	67.2	62.5	60.1	59.3	59.0	58.4	58.5	57.2	58.2	61.7	61.16
	3	66.0	65.9	66.4	63.5	60.7	60.0	59.1	59.2	58.6	58.8	58.1	64.1	61.70
	4	63.6	65.6	64.6	61.9	59.7	59.2	59.0	58.8	58.6	58.9	59.5	61.4	60.90
	5	66.5	66.0	66.2	61.4	58.7	59.6	59.7	—	—	—	—	—	61.12
	6	—	—	—	—	—	—	—	58.7	58.5	57.6	58.5	62.0	
	7	65.5	66.9	65.2	62.3	60.2	60.1	59.4	58.6	58.2	57.5	58.7	60.7	61.11
	8	62.3	64.7	66.4	64.5	59.6	59.0	58.7	57.6	57.5	57.1	58.4	61.8	60.63
	9	65.6	62.5	64.0	65.7	60.0	58.5	58.0	57.7	57.6	—	59.4	63.9	61.17
	10	65.2	68.9	68.0	64.6	61.1	60.5	60.2	59.0	60.1	60.0	60.5	63.5	62.63
	11	66.4	65.1	65.1	63.5	61.0	60.6	59.7	59.6	59.0	59.4	59.9	63.7	61.92
	12	66.0	65.9	67.6	65.0	61.0	60.2	60.0	—	—	—	—	—	62.29
	13	—	—	—	—	—	—	—	59.8	59.8	59.2	60.3	62.7	
	14	60.8	67.1	65.8	61.7	60.1	60.2	60.4	59.7	59.9	59.7	61.0	60.6	61.42
	15	60.7	62.4	64.6	62.7	61.0	60.6	—	59.9	59.8	59.7	60.5	60.0	61.08
	16	61.5	62.5	61.7	60.9	60.2	59.6	59.6	59.5	59.0	59.0	59.0	62.1	60.38
	17	64.9	65.6	65.7	63.3	61.1	60.4	60.0	59.7	59.6	59.5	59.9	61.2	61.74
	18	63.1	66.7	65.1	62.3	59.8	60.0	59.8	59.8	58.6	—	58.8	61.4	61.40
	19	66.2	67.7	64.5	61.9	60.5	60.5	60.5	—	—	—	—	—	62.31
	20	—	—	—	—	—	—	—	60.0	59.5	59.0	60.8	66.6	
	21	66.7	68.8	69.0	65.5	62.1	61.2	60.7	60.1	60.0	59.8	60.9	64.1	63.24
	22	68.5	69.7	70.3	69.2	63.6	61.7	61.2	60.9	60.9	61.1	61.1	65.6	64.48
	23	65.2	65.5	63.8	65.7	61.5	60.6	60.6	60.4	60.0	60.0	60.5	64.3	62.34
	24	65.0	64.7	65.4	63.4	61.2	60.9	60.2	—	—	—	—	—	62.35
	25 <sup>a</sup>	—	—	—	—	—	—	—	60.6	60.6	60.2	60.7	65.3	
	26	69.0	68.4	72.0	67.0	63.2	62.2	61.8	—	—	—	—	—	63.83
	27	—	—	—	—	—	—	—	59.5	59.2	60.2	60.8	62.7	
	28	68.6	69.9	70.2	65.5	62.6	61.8	61.0	60.8	61.0	—	59.9	63.0	64.03
	29	63.6	67.2	65.4	61.0	59.7	60.4	60.0	60.4	59.8	59.6	60.4	60.8	61.52
	30	65.7	67.6	68.7	65.4	62.4	61.0	61.0	60.5	60.3	60.4	61.4	63.6	63.17
	31	65.9	66.4	66.8	63.8	61.8	61.6	61.6	61.1	60.7	60.6	61.1	63.5	62.91
Hourly Means		65.03	66.35	66.37	63.68	60.86	60.31	60.01	59.59	59.38	59.27	59.88	62.78	61.99

<sup>a</sup> Christmas Day.

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer.  MAY.	1	59.7	60.8	60.4	60.0	—	58.2	58.6	58.2	58.3	57.2	57.5	59.8	58.97
	2	59.4	59.8	60.4	59.6	58.3	57.9	58.6	—	—	—	—	—	59.47
	3	—	—	—	—	—	—	—	61.4	60.1	60.3	59.6	58.3	61.32
	4	60.3	61.8	61.8	62.0	61.0	61.5	60.8	60.5	60.9	61.6	61.4	62.2	61.32
	5	63.6	63.4	64.4	63.6	62.8	62.5	62.7	60.7	61.0	60.8	61.4	63.2	62.51
	6	62.4	63.0	63.2	63.2	62.4	60.9	60.4	60.2	60.1	59.1	60.1	61.2	61.35
	7	61.3	61.3	61.6	61.4	59.8	59.9	59.9	60.6	60.6	60.4	61.0	61.5	60.77
	8	62.4	63.4	63.0	62.6	62.3	61.7	61.8	61.7	61.0	59.6	59.1	59.1	61.47
	9	60.0	60.1	60.2	60.2	60.0	58.9	59.4	—	—	—	—	—	59.67
	10	—	—	—	—	—	—	—	61.2	58.4	58.8	59.8	59.1	59.47
	11	59.6	60.7	59.7	60.4	60.5	59.8	59.7	58.8	58.4	58.7	58.6	58.7	59.89
	12	59.1	60.8	61.0	60.4	60.4	60.3	60.1	59.7	59.5	59.3	59.1	59.0	60.65
	13	61.2	61.0	61.1	60.8	60.3	60.4	60.2	60.4	60.4	60.6	60.8	60.6	60.27
	14	60.4	61.2	61.2	60.8	60.4	60.7	60.1	60.1	59.5	58.7	59.5	60.6	60.54
	15	60.6	61.5	61.9	61.6	60.4	60.5	60.5	60.0	59.9	59.3	60.4	60.4	60.47
	16	61.2	60.0	61.2	60.8	60.1	60.3	60.5	—	—	—	—	—	60.47
	17	—	—	—	—	—	—	—	61.3	58.9	60.1	60.6	60.6	60.42
	18	61.0	61.6	61.4	60.8	60.1	60.6	60.5	60.0	59.0	59.2	60.1	60.8	60.67
	19	61.6	62.3	62.0	61.2	60.8	60.7	60.6	60.1	59.6	59.6	60.6	58.2	59.49
	20	60.4	60.2	59.3	60.5	60.2	59.2	59.4	59.6	59.3	59.2	57.4	59.2	59.01
	21	59.4	59.8	60.1	59.4	58.1	57.9	58.3	59.0	59.1	58.6	59.0	59.4	58.81
	22	59.6	59.8	60.7	59.2	59.0	58.9	59.8	58.6	58.0	57.3	57.0	57.8	58.86
	23	59.8	60.0	60.2	59.8	58.0	59.2	59.2	—	—	—	—	—	57.82
	24	—	—	—	—	—	—	—	61.9	55.9	56.7	58.6	57.0	58.59
	25	57.7	57.4	58.7	58.2	56.8	56.7	56.6	56.8	57.8	61.3	—	58.0	57.63
	26	59.0	58.3	59.4	59.2	59.1	59.0	59.4	59.0	57.2	57.3	58.0	58.2	57.42
	27	58.2	59.7	59.4	58.2	57.6	58.9	58.8	58.4	56.4	54.4	54.8	54.8	59.82
	28	56.4	58.2	57.9	58.2	57.2	57.6	57.2	56.9	56.4	57.0	57.6	58.5	59.93
	29	60.0	60.8	60.6	60.4	60.0	60.0	59.4	59.8	58.8	59.4	58.4	60.2	—
	30	61.5	61.8	60.9	60.6	60.7	60.8	60.8	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	59.7	58.3	57.6	58.0	58.5	—
Hourly Means	60.22	60.72	60.83	60.48	59.85	59.73	59.74	59.79	58.95	58.96	59.04	59.58	59.83	
Dry Thermometer.  MAY.	1	63.7	65.7	66.0	65.4	—	63.1	63.1	63.0	64.0	62.1	62.3	63.9	63.84
	2	64.7	65.3	66.0	65.4	63.3	62.1	62.0	—	—	—	—	—	63.90
	3	—	—	—	—	—	—	—	64.4	63.3	63.1	63.2	64.0	64.62
	4	65.3	66.8	66.2	65.5	64.0	64.5	63.9	63.6	63.5	63.8	63.5	64.8	64.17
	5	66.0	65.5	66.1	65.2	64.2	63.9	63.4	62.7	62.7	62.6	63.0	64.7	64.06
	6	65.0	66.0	66.8	66.4	65.2	63.6	63.0	62.6	62.5	61.2	62.5	63.9	64.15
	7	65.1	65.8	67.1	65.8	63.8	62.9	62.5	63.2	63.2	63.1	63.2	64.1	64.34
	8	65.4	66.6	66.1	65.2	64.7	64.3	64.0	63.9	63.2	62.6	62.7	63.4	63.49
	9	64.2	65.2	64.4	64.1	63.5	63.2	63.0	—	—	—	—	—	62.49
	10	—	—	—	—	—	—	—	64.3	62.5	62.6	62.1	62.8	62.49
	11	63.3	64.3	64.1	63.3	62.8	62.2	61.8	61.7	61.6	61.3	61.5	62.0	62.42
	12	63.0	63.7	63.8	62.9	62.5	62.3	62.2	62.0	61.6	61.5	61.4	62.2	62.75
	13	63.2	63.4	63.7	63.6	62.5	62.4	62.3	62.0	62.1	63.4	62.3	62.1	62.34
	14	62.3	63.1	63.1	62.9	62.3	62.4	62.1	62.1	62.1	61.7	61.6	62.4	62.82
	15	63.0	64.0	64.8	63.7	63.0	62.6	62.7	62.2	61.8	61.6	62.0	62.5	63.11
	16	63.7	64.1	64.6	63.5	63.1	62.8	62.7	—	—	—	—	—	63.22
	17	—	—	—	—	—	—	—	63.4	62.0	62.3	62.5	62.6	63.17
	18	63.4	64.2	65.4	64.2	63.3	63.1	63.0	62.6	62.0	61.8	62.6	63.0	62.79
	19	64.3	64.7	65.3	64.1	63.4	62.7	62.7	62.5	62.0	62.1	61.7	62.5	62.06
	20	63.1	63.9	64.8	64.3	63.1	63.1	62.2	62.4	62.1	61.4	61.3	61.8	61.09
	21	63.9	63.7	63.5	62.7	61.5	61.7	61.6	61.4	61.3	61.0	61.2	61.2	61.44
	22	61.4	61.8	62.7	61.3	61.0	61.0	61.6	60.9	60.1	60.3	60.3	61.2	61.84
	23	62.1	62.3	62.5	62.3	61.3	61.3	61.2	—	—	—	—	—	61.85
	24	—	—	—	—	—	—	—	62.6	60.2	60.5	61.0	60.0	61.19
	25	61.9	62.7	63.0	62.4	61.7	61.5	61.3	61.3	61.2	61.5	—	61.7	61.85
	26	63.0	63.1	63.5	62.7	62.1	61.3	61.4	61.5	60.9	60.7	60.5	61.5	61.19
	27	62.1	63.1	63.0	62.2	61.2	61.5	61.4	61.2	60.0	58.2	59.5	60.9	61.44
	28	61.9	63.0	63.0	62.5	61.1	61.1	60.8	60.6	60.2	60.7	60.8	61.6	62.27
	29	62.8	63.4	63.5	63.7	62.6	62.7	61.7	61.6	61.0	61.5	61.0	61.8	61.57
	30	62.9	62.8	61.9	61.5	61.4	61.4	61.4	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	61.6	61.2	60.7	60.8	61.3	—
Hourly Means	63.49	64.16	64.42	63.72	62.74	62.49	62.25	62.36	61.86	61.60	61.78	62.46	62.79	

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	JUNE.	1	59.7	60.2	60.3	59.8	59.4	59.4	59.1	58.9	58.4	57.8	58.0	58.9	59.16	
		2	59.6	60.1	60.6	59.6	59.5	58.7	58.6	58.0	58.4	58.2	58.2	58.6	59.01	
		3	59.0	59.9	59.4	57.4	58.1	57.2	56.8	57.6	56.6	56.3	56.0	57.1	57.62	
		4	58.6	57.3	57.2	58.7	56.4	57.8	57.4	55.8	55.8	55.8	56.5	57.3	57.05	
		5	57.6	58.2	58.7	58.8	58.7	58.4	58.3	58.9	56.0	58.2	57.6	57.0	58.03	
		6	59.1	60.1	60.2	59.4	59.6	59.3	58.9	—	—	—	—	—	—	—
		7	—	—	—	—	—	—	—	—	61.0	59.4	59.0	58.3	58.2	59.37
		8	59.2	60.8	60.9	60.2	59.6	59.7	60.2	59.9	59.4	59.1	58.6	59.0	59.0	59.72
		9	60.9	60.8	61.2	60.5	59.8	59.5	59.6	59.1	58.6	59.0	57.4	57.4	57.4	59.48
		10	59.2	59.5	59.0	59.4	58.7	58.7	58.5	58.9	58.8	59.4	59.6	60.2	59.6	59.16
		11	60.0	60.7	59.7	58.4	59.8	60.0	59.7	60.2	60.0	60.0	60.0	60.2	59.6	59.86
		12	60.6	61.0	60.9	60.2	60.2	60.1	60.2	60.0	60.0	60.0	59.8	59.8	60.2	60.25
		13	60.6	60.0	60.6	60.4	60.0	59.2	58.9	—	—	—	—	—	—	—
		14	—	—	—	—	—	—	—	—	59.2	58.8	58.7	59.0	59.4	59.57
		15	59.6	60.2	60.1	58.0	58.0	58.6	58.2	58.2	58.2	57.0	57.6	57.8	58.0	58.44
		16	58.8	58.8	59.0	59.1	58.6	58.2	57.8	58.7	56.6	56.6	56.6	56.1	54.9	57.77
		17	55.3	56.9	57.5	56.8	55.0	53.4	53.6	52.8	52.9	54.0	54.1	54.6	54.6	54.74
		18	55.9	57.3	57.7	57.4	57.9	54.6	54.5	54.4	55.0	55.9	55.9	57.1	57.1	56.13
		19	57.4	57.8	56.7	58.6	58.4	58.6	57.9	57.7	57.0	58.4	58.4	58.5	58.5	57.95
		20	58.2	57.8	60.0	—	58.4	57.2	57.7	—	—	—	—	—	—	—
		21	—	—	—	—	—	—	—	—	58.4	58.7	58.4	58.5	58.8	58.37
		22	59.4	59.3	59.4	58.6	58.7	58.1	58.5	58.6	58.6	58.8	58.8	58.5	58.0	58.71
		23	59.4	58.8	59.5	59.1	58.8	58.8	58.5	58.9	58.9	58.7	58.6	58.8	58.8	58.90
		24	59.7	60.0	58.6	59.4	59.0	59.1	58.9	58.6	58.6	58.7	58.7	58.6	58.6	58.99
		25	58.6	59.0	59.4	59.5	58.8	58.5	58.6	58.3	58.0	58.1	57.8	57.4	57.4	58.50
		26	57.6	58.4	57.6	56.6	56.2	56.4	55.8	55.2	55.4	55.6	55.4	56.4	56.4	56.38
		27	57.8	58.6	58.4	58.4	58.4	57.8	57.7	—	—	—	—	—	—	—
		28	—	—	—	—	—	—	—	—	59.6	58.3	57.8	57.8	58.2	58.23
		29	58.7	58.2	57.6	56.9	55.9	55.8	55.5	55.5	54.8	54.1	54.1	55.8	55.8	56.08
		30	56.2	56.6	56.6	56.2	54.9	54.5	53.5	55.6	54.8	54.6	55.0	55.2	55.2	55.31
		Hourly Means		58.71	59.09	59.11	58.69	58.34	57.98	57.80	58.00	57.49	57.64	57.53	57.82	58.18
Dry Thermometer.	JUNE.	1	61.9	62.3	62.5	61.7	61.6	61.5	61.4	61.2	60.7	60.4	60.5	61.5	61.43	
		2	62.0	62.3	62.7	61.8	61.4	61.0	61.0	60.4	60.3	60.0	59.8	61.3	61.17	
		3	61.1	61.9	62.2	60.2	60.6	59.9	60.1	60.2	59.0	59.3	58.7	59.8	60.25	
		4	61.0	62.3	62.1	61.5	60.0	60.5	60.0	60.1	60.0	58.9	59.6	60.5	60.54	
		5	61.0	62.0	62.2	62.9	61.1	60.8	60.9	61.0	60.7	61.0	61.0	61.8	61.8	61.37
		6	62.7	63.1	63.3	62.8	62.3	62.0	61.7	—	—	—	—	—	—	—
		7	—	—	—	—	—	—	—	—	62.5	61.4	61.4	61.1	61.2	62.12
		8	62.2	63.5	63.5	62.9	62.2	62.0	62.3	61.8	61.8	61.7	61.3	61.3	61.3	62.21
		9	63.1	63.6	64.2	63.5	62.7	62.3	62.2	62.0	61.7	61.8	61.1	62.0	62.0	62.52
		10	63.4	63.2	62.3	62.2	61.2	61.3	61.2	61.2	60.8	61.3	61.5	62.0	61.80	61.80
		11	62.1	61.8	62.5	61.8	61.8	61.8	61.0	61.7	61.6	61.5	61.5	60.9	61.67	61.67
		12	62.0	62.6	62.4	61.4	61.7	61.6	61.6	61.3	61.5	61.4	61.4	61.8	61.72	61.72
		13	62.3	62.4	62.1	62.0	61.4	60.9	60.5	—	—	—	—	—	—	—
		14	—	—	—	—	—	—	—	—	61.3	60.9	60.5	61.1	61.4	61.40
		15	61.4	62.2	61.7	59.9	59.8	60.0	59.9	60.1	59.1	59.6	58.8	60.0	60.0	60.21
		16	60.8	61.0	61.0	61.1	60.3	59.9	59.7	59.6	59.2	59.5	59.3	59.3	59.3	60.06
		17	60.7	61.3	62.1	60.8	59.6	58.6	58.6	58.1	58.7	58.7	58.9	60.1	59.68	59.68
		18	61.3	62.1	62.0	61.3	59.9	58.4	58.0	57.7	58.1	58.8	59.1	59.8	59.71	59.71
		19	60.5	61.1	60.0	61.1	60.4	61.5	59.7	59.8	59.7	60.4	60.0	60.8	60.8	60.42
		20	61.7	62.7	63.1	—	61.4	60.3	60.4	—	—	—	—	—	—	—
		21	—	—	—	—	—	—	—	—	60.4	60.5	60.3	60.4	60.6	61.07
		22	61.5	61.1	61.4	60.5	60.2	59.7	60.1	61.2	60.2	60.3	60.0	60.4	60.4	60.55
		23	61.0	60.8	61.5	61.0	60.6	60.5	60.3	60.3	60.3	60.3	60.2	60.7	60.7	60.62
		24	61.4	61.8	61.5	61.3	60.8	60.7	60.4	61.4	60.4	60.3	60.3	60.1	60.1	60.94
		25	61.0	62.0	61.9	61.6	61.1	60.6	60.7	60.2	60.2	60.3	60.3	60.1	60.3	60.83
		26	60.9	62.5	61.1	60.6	60.2	60.1	59.6	59.7	59.7	59.6	59.5	60.1	60.1	60.30
		27	61.0	62.1	62.0	61.5	61.0	60.7	60.5	—	—	—	—	—	—	—
		28	—	—	—	—	—	—	—	—	61.7	60.9	60.1	60.2	60.7	61.03
		29	61.2	61.3	60.8	60.7	59.9	59.7	59.3	59.0	58.4	58.0	57.7	59.3	59.3	59.61
		30	60.5	61.1	62.3	61.5	59.5	58.5	58.8	58.9	58.5	58.5	58.9	59.5	59.5	59.71
		Hourly Means		61.53	62.08	62.09	61.50	60.87	60.57	60.38	60.49	60.16	60.15	60.08	60.70	60.88

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
	Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19		21		
Wet Thermometer.	JULY.	1	56°6	56°1	56°2	56°6	56°5	54°5	54°6	59°2	55°5	55°8	54°9	57°6	56°17	
		2	58°0	59°8	60°2	60°8	—	54°1	55°0	55°9	—	—	53°4	54°8	56°89	
		3	58°0	57°8	57°8	57°4	56°6	57°0	57°2	57°3	56°4	56°5	56°3	56°2	57°04	
		4	56°6	58°0	58°2	57°9	56°6	56°4	56°6	—	—	—	—	—	—	56°96
		5	—	—	—	—	—	—	—	58°2	55°7	56°1	56°6	56°6	56°6	57°76
		6	57°6	57°8	59°0	58°2	57°7	58°0	57°6	57°8	57°1	57°2	57°3	57°8	57°8	57°80
		7	58°2	58°1	58°6	58°4	58°0	57°8	57°2	58°3	57°0	57°1	56°9	58°0	58°4	58°26
		8	58°3	58°3	58°8	58°9	58°2	58°4	58°5	58°1	57°7	57°6	57°9	58°4	58°4	57°62
		9	58°6	58°5	58°8	58°2	57°7	57°6	57°6	57°4	57°0	56°7	55°8	56°0	56°4	56°84
		10	58°0	58°2	58°6	58°3	57°4	56°5	56°6	56°0	54°8	55°3	56°0	56°4	56°4	57°26
		11	56°8	57°1	58°5	56°9	57°4	57°0	56°4	—	—	—	—	—	—	57°26
		12	—	—	—	—	—	—	—	54°7	57°6	57°9	57°1	57°0	57°0	57°36
		13	57°8	57°4	58°4	58°1	57°5	56°5	58°0	57°0	57°2	56°4	56°6	57°4	57°4	56°62
		14	57°8	57°6	57°3	57°4	57°0	57°1	56°8	56°2	55°7	55°4	55°4	55°7	55°7	56°39
		15	55°7	55°7	56°6	56°7	56°6	57°0	57°0	57°5	57°0	55°1	55°4	56°4	56°4	56°17
		16	55°8	56°1	57°8	56°8	57°0	57°0	56°6	56°4	54°8	54°4	55°0	56°4	56°4	54°82
		17	55°4	56°8	55°8	55°8	54°8	53°8	54°1	54°8	54°5	53°8	54°0	54°2	54°2	55°95
		18	54°5	54°8	55°2	55°2	55°0	56°8	56°8	—	—	—	—	—	—	55°95
		19	—	—	—	—	—	—	—	57°2	56°4	56°4	56°4	56°7	56°7	55°62
		20	57°1	57°8	58°3	57°7	55°6	55°0	54°7	54°4	54°1	54°0	54°1	54°7	54°7	55°78
		21	55°4	56°8	56°4	56°1	55°6	55°9	56°2	55°9	55°8	54°8	54°8	55°7	55°7	56°13
		22	55°8	57°0	57°2	57°0	56°4	56°4	55°5	55°2	55°6	55°1	55°6	56°8	56°8	57°66
		23	57°4	58°3	58°2	57°6	57°2	57°2	57°3	57°6	57°9	57°8	57°6	57°8	57°8	57°98
		24	58°0	58°2	58°4	58°2	57°8	57°2	58°1	58°1	57°7	57°8	57°8	58°5	58°5	57°72
		25	58°8	58°8	58°8	58°0	57°8	57°3	56°8	—	—	—	—	—	—	56°11
		26	—	—	—	—	—	—	—	58°2	57°2	56°8	56°6	57°5	56°2	55°72
		27	57°2	58°0	58°8	57°4	55°0	55°1	54°8	54°6	55°0	55°6	55°6	56°2	56°2	55°32
		28	56°6	57°3	57°3	56°4	55°0	54°8	55°2	54°9	55°4	55°0	54°9	55°8	54°2	55°53
		29	56°6	57°0	57°3	56°0	55°2	54°7	55°6	54°3	54°4	—	53°2	54°2	55°3	55°99
		30	56°0	56°0	56°7	56°8	56°4	56°2	55°9	54°3	53°7	54°4	54°7	55°3	56°1	56°65
		31	56°4	56°5	56°8	56°4	56°0	55°6	56°0	55°3	56°2	55°8	54°8	56°1	56°1	56°65
Hourly Means		57°00	57°40	57°78	57°38	56°61	56°33	56°40	56°57	56°05	55°95	55°73	56°51	56°65		
Dry Thermometer.	JULY.	1	60°7	61°3	61°7	61°5	60°9	59°3	59°0	59°5	59°6	59°9	59°3	60°3	60°25	
		2	60°8	60°8	62°1	61°8	—	58°5	59°0	59°5	—	—	59°0	59°9	60°16	
		3	60°9	60°6	60°5	60°4	59°7	60°0	59°8	59°7	59°1	59°1	59°1	59°7	59°88	
		4	60°6	62°6	62°0	61°7	60°2	59°9	59°7	—	—	—	—	—	—	60°54
		5	—	—	—	—	—	—	—	60°9	59°3	59°5	59°9	60°2	60°2	60°39
		6	61°0	61°1	62°1	61°5	60°3	60°3	60°1	59°7	59°4	59°3	59°5	60°4	60°4	60°44
		7	60°9	61°2	61°5	61°4	60°8	60°4	60°2	60°1	59°7	59°6	59°2	60°3	60°3	61°17
		8	61°3	62°3	63°1	62°2	61°2	61°0	61°0	60°0	60°3	60°1	60°2	60°9	60°9	60°43
		9	61°2	61°5	61°7	61°0	60°5	60°2	60°1	59°9	59°7	59°6	59°3	60°5	60°5	60°09
		10	61°3	61°9	61°3	60°8	59°9	59°7	59°6	59°5	59°2	59°1	59°1	59°7	59°7	59°96
		11	60°2	60°8	61°5	61°1	59°5	59°7	59°4	—	—	—	—	—	—	59°96
		12	—	—	—	—	—	—	—	59°6	59°7	59°1	59°3	59°6	59°6	59°72
		13	60°3	60°7	60°1	60°6	60°1	59°5	59°3	59°3	59°5	58°9	58°8	59°5	59°5	59°46
		14	59°8	60°3	60°4	60°2	59°9	59°8	59°4	58°7	58°6	58°6	58°5	59°3	59°3	59°89
		15	59°7	60°0	61°3	61°3	60°5	59°7	59°8	59°9	59°7	58°9	58°6	59°3	59°3	60°27
		16	60°3	61°0	62°5	61°1	60°7	60°2	60°1	59°8	59°3	59°1	59°3	59°9	59°9	59°45
		17	60°3	61°0	61°3	62°0	60°0	58°6	58°6	58°4	58°3	58°1	57°8	59°0	59°0	59°96
		18	59°5	61°2	62°3	61°3	60°1	60°3	59°8	—	—	—	—	—	—	59°96
		19	—	—	—	—	—	—	—	58°6	59°0	59°1	59°0	59°3	59°3	59°62
		20	60°2	61°3	62°3	60°7	59°5	59°1	58°9	58°6	58°6	58°5	58°5	59°2	59°2	59°55
		21	59°9	60°6	61°1	60°7	59°8	59°7	59°7	58°8	58°9	58°3	58°0	59°1	59°1	59°38
		22	59°8	60°8	61°6	60°1	59°0	59°3	59°0	59°1	58°9	58°0	58°0	59°0	59°0	59°92
		23	59°7	60°7	60°7	60°3	59°9	59°7	59°6	59°7	59°8	59°7	59°5	59°8	59°8	59°92
		24	60°0	60°3	60°8	60°5	59°6	59°5	59°9	59°8	59°4	59°5	59°8	60°0	60°0	59°92
		25	60°2	60°2	60°4	59°7	59°5	59°0	58°6	—	—	—	—	—	—	59°32
		26	—	—	—	—	—	—	—	59°7	58°9	58°6	58°3	58°8	58°8	58°87
		27	59°0	59°8	61°0	60°0	58°7	58°6	58°3	58°2	58°2	58°2	58°1	58°3	58°3	58°28
		28	58°8	59°6	59°5	58°9	58°4	58°2	57°9	57°9	57°7	57°3	57°3	57°9	57°9	58°14
		29	58°5	58°7	59°1	58°4	57°9	57°8	58°0	57°5	57°5	—	58°1	58°0	58°0	57°98
		30	59°1	59°8	59°5	58°7	58°0	57°8	57°5	57°0	56°9	56°9	56°7	57°9	57°9	58°17
		31	59°0	59°6	59°7	58°7	58°3	58°0	57°7	57°5	57°4	57°5	56°9	57°7	57°7	58°17
Hourly Means		60°11	60°73	61°15	60°61	59°73	59°40	59°26	59°16	58°95	58°82	58°71	59°39	59°68		

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21
Wet Thermometer.  AUGUST.	1	56°1	56°0	56°1	55°6	55°3	55°0	55°3	—	—	—	—	—	55°88
	2	—	—	—	—	—	—	—	57°8	55°6	56°1	55°7	56°0	55°47
	3	56°7	56°4	57°0	56°1	56°2	55°7	55°0	54°7	54°0	54°4	54°7	54°7	
	4	55°0	56°0	56°0	55°6	55°4	56°4	57°7	55°9	54°8	55°7	56°2	56°6	55°94
	5	57°3	57°6	57°6	56°6	57°0	57°0	56°7	56°5	56°0	54°8	54°6	54°2	56°32
	6	55°2	55°4	56°0	55°3	54°5	55°2	56°0	56°2	55°3	55°2	55°4	55°4	55°42
	7	55°2	56°5	56°6	56°0	55°4	55°6	55°3	55°9	54°8	—	55°1	55°4	55°62
	8	55°4	56°2	56°3	56°4	—	—	54°5	—	—	—	—	—	—
	9	Removing to the permanent Observatory.												
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	52°8	52°1	52°0	54°0	55°2
	17	56°4	58°8	56°8	55°4	55°4	55°1	53°9	52°7	52°1	51°3	53°3	54°6	54°65
	18	56°7	58°0	57°4	56°5	53°6	55°2	54°8	54°7	54°2	52°1	52°8	53°8	54°98
	19	54°4	55°3	55°2	55°0	55°0	55°1	55°0	54°4	52°6	53°1	52°4	54°1	54°30
	20	54°6	—	54°9	53°6	53°8	55°0	52°8	54°3	51°8	51°1	53°0	54°2	53°55
	21	55°2	55°3	54°0	52°5	52°0	52°4	53°1	53°1	53°6	53°8	54°8	56°6	53°87
	22	57°8	57°0	57°1	56°2	55°4	55°8	55°5	—	—	—	—	—	55°62
	23	—	—	—	—	—	—	—	55°8	53°2	54°6	53°4	55°6	53°53
	24	54°7	56°8	56°4	53°8	51°8	54°3	53°0	54°6	51°3	52°4	50°7	52°6	
	25	53°9	55°6	55°0	54°2	54°3	52°6	51°8	51°4	52°6	52°4	50°5	53°4	53°14
	26	54°8	55°5	54°8	53°5	54°1	53°4	52°4	52°6	51°0	51°2	52°8	53°2	53°27
	27	55°2	55°4	56°0	53°6	52°9	54°0	54°2	53°8	51°6	51°5	51°6	52°8	53°55
	28	55°4	—	—	—	—	—	55°6	56°4	56°3	55°2	56°1	56°4	—
	29	57°1	58°1	58°6	57°6	56°8	57°6	57°6	—	—	—	—	—	55°53
	30	—	—	—	—	—	—	—	52°0	51°8	51°8	53°8	53°6	53°89
	31	55°1	56°3	55°4	54°6	54°6	53°6	52°9	52°8	52°6	53°6	52°0	53°2	
Hourly Means <sup>a</sup>	55°63	56°47	56°16	55°09	54°64	54°94	54°61	54°40	53°27	53°24	53°49	54°44	54°70	
Dry Thermometer.  AUGUST.	1	58°9	59°1	59°7	58°7	58°3	58°3	58°1	—	—	—	—	—	58°65
	2	—	—	—	—	—	—	—	59°5	58°3	58°3	58°1	58°5	58°45
	3	59°3	58°9	59°5	58°5	58°5	58°3	58°1	57°7	57°6	57°9	59°2	57°9	
	4	58°1	58°5	58°6	58°8	58°3	58°5	58°3	58°0	57°7	57°5	57°8	58°2	58°19
	5	59°0	59°1	59°1	58°5	58°5	58°2	58°0	57°7	57°4	57°3	56°8	57°1	58°06
	6	58°0	58°5	59°0	58°6	57°8	58°1	58°1	58°0	57°4	57°3	57°5	57°9	58°02
	7	57°1	59°1	59°2	58°6	58°0	57°8	57°5	57°3	57°0	—	57°7	57°4	57°88
	8	57°5	58°1	58°3	58°0	—	—	56°6	—	—	—	—	—	—
	9	Removing to the permanent Observatory.												
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	55°8	55°8	56°1	56°6	60°2
	17	62°7	63°2	60°7	58°4	57°6	56°5	56°8	56°4	56°2	55°1	55°1	58°2	58°07
	18	59°4	61°0	59°9	58°2	55°9	56°1	55°6	55°5	54°8	53°9	54°7	56°8	56°82
	19	58°8	60°6	60°6	57°6	55°6	55°6	55°4	55°2	54°1	54°0	54°1	57°1	56°56
	20	59°2	—	60°5	58°0	56°6	57°2	55°2	55°0	54°5	54°4	54°3	58°6	56°68
	21	58°0	60°2	59°6	57°2	56°2	56°1	56°7	56°0	55°4	55°1	55°6	58°3	57°03
	22	58°7	59°2	59°8	57°2	56°2	56°5	56°0	—	—	—	—	—	57°05
	23	—	—	—	—	—	—	—	56°4	55°6	55°2	55°7	58°1	56°62
	24	59°5	60°7	57°8	57°6	55°8	56°4	55°7	55°6	54°4	53°8	55°3	56°9	
	25	59°1	59°6	59°0	55°4	56°6	55°6	55°3	53°8	54°7	54°6	53°8	55°7	56°10
	26	57°1	57°7	57°1	56°9	55°6	54°6	55°4	54°8	55°0	55°2	55°6	58°8	56°15
	27	60°6	61°2	60°4	57°8	55°5	55°8	55°6	55°8	55°4	55°1	55°8	58°1	57°26
	28	60°6	—	—	—	—	—	58°2	58°2	58°0	57°5	57°8	58°2	—
	29	59°0	60°2	60°7	59°6	58°9	58°6	58°8	—	—	—	—	—	57°73
	30	—	—	—	—	—	—	—	55°8	55°4	55°0	55°0	55°8	56°32
	31	59°2	60°0	59°1	57°0	56°6	56°2	55°0	53°8	53°6	54°6	54°2	56°5	
Hourly Means <sup>a</sup>	58°98	59°81	59°46	57°92	57°03	56°91	56°64	56°24	55°81	55°55	55°91	57°55	57°31	

<sup>a</sup> 8th, 16th, and 28th omitted in the Means.



WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	SEPTEMBER.	1	55.4	55.2	57.4	55.0	54.9	55.0	55.4	53.1	53.2	53.5	54.4	54.9	54.78	
		2	55.4	55.6	56.9	55.4	52.4	53.1	52.8	53.4	54.2	54.6	55.1	56.9	54.65	
		3	59.1	58.0	58.4	56.7	56.6	56.1	55.4	56.2	56.0	55.9	55.2	58.2	56.82	
		4	57.0	57.6	58.5	57.9	57.2	57.2	57.2	56.2	55.6	56.0	57.4	58.2	57.17	
		5	59.1	58.1	57.9	57.1	56.4	56.5	56.0	—	—	—	—	—	—	56.03
		6	—	—	—	—	—	—	—	53.5	54.0	53.6	54.6	55.6	—	
		7	57.2	57.0	56.0	54.8	56.8	54.8	54.8	54.2	54.4	54.2	53.8	54.4	55.5	55.26
		8	57.4	57.4	57.2	56.0	55.8	55.1	55.4	53.6	54.6	54.6	54.5	55.2	55.1	55.61
		9	56.4	56.7	55.8	56.0	55.0	55.4	54.8	55.0	54.6	53.9	53.1	55.4	55.17	
		10	56.1	57.9	56.4	55.9	54.5	55.4	54.3	53.0	54.2	53.1	52.5	53.3	54.72	
		11	55.5	56.2	56.3	54.4	54.0	53.2	53.4	52.5	52.2	51.8	52.2	53.8	53.79	
		12	55.9	57.6	55.6	55.2	55.0	54.6	54.0	—	—	—	—	—	—	54.94
		13	—	—	—	—	—	—	—	53.8	54.0	54.5	54.4	54.7	—	
		14	56.6	57.2	57.2	55.4	54.6	54.0	54.6	54.6	53.6	53.0	53.8	55.2	54.98	
		15	57.2	57.0	56.2	55.4	54.4	54.5	52.8	52.2	52.0	52.7	53.0	53.7	54.26	
		16	55.2	56.7	—	57.4	56.7	54.0	55.8	—	54.9	54.0	52.9	54.1	55.17	
		17	56.6	57.4	57.1	56.2	55.0	55.6	55.6	55.0	55.3	54.6	55.2	57.2	55.90	
		18	57.8	57.9	57.6	56.1	55.7	54.8	54.8	54.8	55.0	55.1	55.4	56.6	56.00	
		19	57.2	57.8	56.3	55.3	55.5	55.2	54.2	—	—	—	—	—	—	55.55
		20	—	—	—	—	—	—	—	54.6	54.1	54.8	55.0	56.6	—	
		21	57.6	57.0	57.5	55.8	53.6	53.6	53.2	53.0	53.1	54.2	54.3	56.2	54.92	
		22	56.6	57.2	55.5	54.8	54.0	53.2	53.4	52.6	50.0	50.2	52.2	53.6	53.61	
		23	56.6	56.2	56.0	54.8	53.7	52.5	56.7	56.4	55.3	54.5	56.2	55.4	55.36	
		24	56.2	57.1	57.2	57.2	55.1	55.6	51.2	51.8	52.0	52.8	53.4	55.1	54.56	
		25	56.0	57.3	55.4	54.3	53.7	53.4	54.2	53.2	54.6	54.6	54.2	55.7	54.72	
		26	56.8	57.5	57.3	55.8	55.8	55.0	54.8	—	—	—	—	—	—	55.45
		27	—	—	—	—	—	—	—	—	53.7	53.2	54.1	56.0	—	
		28	57.4	58.0	57.5	55.8	55.6	54.9	54.2	54.3	54.6	54.0	54.6	57.3	55.68	
		29	57.5	58.6	57.9	55.8	56.4	55.3	55.2	54.6	54.2	53.5	54.8	56.9	55.89	
		30	57.0	57.9	57.2	55.7	54.8	54.7	54.8	54.6	54.6	53.7	54.6	57.2	55.57	
		Hourly Means		56.80	57.23	56.89	55.78	55.12	54.72	54.55	54.02	53.99	53.85	54.31	55.71	55.25
Dry Thermometer.	SEPTEMBER.	1	59.8	61.2	59.1	57.6	56.6	56.4	56.6	55.3	55.1	55.2	55.5	56.0	57.03	
		2	57.6	60.0	60.4	58.8	54.9	54.6	54.5	54.8	55.6	55.6	56.2	58.4	56.78	
		3	63.3	62.4	62.0	59.8	58.2	57.2	56.7	57.0	56.8	56.8	56.6	60.5	58.94	
		4	62.2	61.5	61.4	60.6	58.6	58.0	57.8	56.5	56.1	56.8	57.9	58.8	58.85	
		5	60.1	58.7	59.6	58.2	57.4	57.4	56.9	—	—	—	—	—	—	57.42
		6	—	—	—	—	—	—	—	56.0	56.0	56.0	55.9	56.8	—	
		7	59.5	59.0	57.6	56.8	57.0	55.8	55.6	55.2	54.8	55.2	55.9	57.2	56.63	
		8	59.2	58.5	58.9	56.8	56.4	56.2	56.2	56.2	55.8	55.3	55.9	57.2	56.88	
		9	58.1	58.9	58.7	57.2	55.8	56.2	55.8	56.4	55.0	55.0	54.9	56.9	56.57	
		10	58.9	60.5	57.8	57.0	55.3	55.8	54.6	54.5	54.4	53.4	53.4	56.1	55.97	
		11	59.4	57.9	59.4	57.3	56.0	56.2	55.2	54.8	54.6	54.4	54.3	57.0	56.37	
		12	60.2	59.4	58.8	56.7	56.2	55.4	54.6	—	—	—	—	—	—	56.92
		13	—	—	—	—	—	—	—	56.2	56.0	56.2	56.1	57.3	—	
		14	60.1	60.6	61.0	57.9	56.8	56.3	56.4	56.0	55.6	55.4	56.8	59.1	57.67	
		15	61.5	61.9	60.2	58.2	56.7	56.7	55.6	55.5	55.4	55.4	56.2	58.5	57.65	
		16	60.4	61.0	—	58.7	56.8	55.8	56.8	—	55.4	55.2	55.4	56.8	57.23	
		17	60.4	61.6	61.1	57.8	56.4	56.3	56.0	55.4	55.6	55.0	55.5	57.6	57.39	
		18	58.2	59.9	59.8	57.4	56.5	55.4	55.2	55.4	55.4	55.2	55.6	56.9	56.74	
		19	57.4	58.2	57.0	55.8	55.9	55.5	55.2	—	—	—	—	—	—	56.42
		20	—	—	—	—	—	—	—	56.0	55.1	55.7	56.5	58.8	—	
		21	58.5	58.0	59.4	57.5	55.4	55.6	55.4	55.1	55.2	55.2	55.3	56.8	56.45	
		22	57.2	57.4	56.8	57.4	55.6	55.0	55.2	54.4	54.2	54.2	55.3	57.4	55.84	
		23	61.7	62.0	61.8	59.0	56.2	56.0	58.1	58.0	57.3	57.2	57.8	57.8	58.57	
		24	58.2	58.8	58.7	58.7	57.9	57.6	54.8	54.8	54.2	53.8	54.4	56.2	56.51	
		25	58.0	60.4	58.8	57.1	56.0	56.1	56.0	55.8	56.0	55.8	56.6	58.3	57.07	
		26	60.4	61.8	59.2	57.0	56.8	55.8	55.6	—	—	—	—	—	—	57.37
		27	—	—	—	—	—	—	—	—	55.7	55.0	55.8	58.0	—	
		28	60.4	61.6	60.3	58.4	57.4	57.0	56.4	56.2	56.1	55.3	56.0	59.8	57.91	
		29	62.0	63.3	62.3	58.4	57.0	56.8	56.4	55.6	55.3	54.6	56.0	60.2	58.16	
		30	60.6	61.8	61.5	58.3	56.4	56.2	56.2	55.6	55.5	54.5	55.5	59.7	57.65	
		Hourly Means		59.74	60.24	59.66	57.86	56.55	56.20	55.91	55.70	55.47	55.28	55.82	57.85	57.19

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	OCTOBER.	1	58.3	59.1	58.1	56.0	55.6	55.6	55.6	55.2	54.5	54.8	55.0	57.8	56.30	
		2	58.9	59.8	59.1	57.6	56.0	56.0	55.2	56.2	55.2	55.0	55.6	57.0	56.80	
		3	58.2	59.4	59.2	56.6	55.9	55.9	55.4	—	—	—	—	—	—	—
		4	—	—	—	—	—	—	—	—	54.4	54.4	54.0	55.0	57.6	56.33
		5	57.8	58.4	59.1	58.0	57.4	57.4	57.6	57.1	57.6	57.6	—	57.2	58.3	57.83
		6	59.7	59.7	—	57.5	56.5	55.9	55.4	54.3	54.3	54.2	54.0	54.4	58.7	56.39
		7	59.0	59.4	59.6	59.2	54.3	54.3	54.0	53.8	54.6	54.6	54.2	54.6	56.3	56.11
		8	58.0	58.0	57.5	56.1	54.4	54.4	55.5	54.2	54.0	54.0	54.6	54.4	56.3	55.58
		9	57.3	59.8	58.8	58.1	55.9	57.3	56.4	54.8	54.7	55.0	55.5	57.2	—	56.73
		10	59.0	58.5	58.8	57.9	57.6	57.0	56.8	—	—	—	—	—	—	—
		11	—	—	—	—	—	—	—	—	—	56.3	56.4	57.3	58.1	57.61
		12	58.4	59.2	58.6	57.2	56.7	57.5	56.0	56.0	56.0	56.0	56.2	57.1	57.8	57.22
		13	58.9	59.2	58.2	57.8	57.3	56.6	57.2	55.3	55.4	56.4	57.7	59.4	57.45	57.45
		14	60.3	59.0	58.9	57.2	56.1	55.4	55.4	55.6	56.6	56.4	57.4	59.2	57.29	57.29
		15	59.7	59.9	60.0	58.5	56.8	57.1	56.1	55.7	56.9	56.4	56.4	57.5	57.5	57.58
		16	59.4	59.9	59.0	57.2	56.4	56.6	56.6	55.6	55.4	55.1	55.8	56.8	—	56.98
		17	58.3	58.4	58.0	56.6	55.4	55.6	55.2	—	—	—	—	—	—	—
		18	—	—	—	—	—	—	—	—	54.4	55.0	54.2	55.5	56.2	56.07
		19	57.6	58.3	58.1	56.8	55.6	55.6	55.6	55.6	55.6	55.1	54.4	55.4	56.4	56.21
		20	57.3	58.4	57.6	57.4	55.0	56.5	55.2	—	—	54.8	53.6	55.0	56.2	56.09
		21	57.8	58.4	57.6	57.0	56.6	56.1 <sup>a</sup>	55.5	55.5	56.2	55.3	55.3	55.0	56.3	56.44
		22	56.9	57.5	57.5	57.1	56.8	55.7	55.3	54.2	53.8	53.8	55.2	57.0	55.90	55.90
		23	57.8	58.7	58.6	55.4	56.0	56.0	56.0	56.1	54.9	55.8	56.4	57.2	—	56.57
		24	58.8	58.9	57.6	57.4	55.9	56.6	55.9	—	—	—	—	—	—	—
		25	—	—	—	—	—	—	—	—	54.3	53.7	51.4	56.0	58.0	56.21
		26	59.6	59.3	58.4	57.5	56.9	57.3	57.2	55.8	54.2	53.8	55.6	55.6	58.8	57.03
		27	59.3	60.0	59.6	58.4	56.6	56.4	56.2	58.2	56.2	55.4	56.1	57.7	57.7	57.51
		28	58.8	59.9	59.5	58.1	57.8	57.6	56.4	56.6	56.3	57.1	56.2	58.4	57.72	57.72
		29	60.8	59.5	59.1	58.3	57.0	57.0	57.0	56.9	56.9	56.6	57.4	58.6	57.92	57.92
		30	59.9	59.8	59.5	58.6	57.8	57.0	56.5	56.4	56.3	56.4	56.6	57.7	57.7	57.71
		31	59.8	60.2	59.1	58.3	57.6	56.8	56.9	—	—	—	—	—	—	—
		32	—	—	—	—	—	—	—	—	59.8	59.1	58.1	58.8	59.0	58.62
Hourly Means		58.73	59.13	58.66	57.47	56.37	56.39	55.94	55.69	55.49	55.17	56.02	57.61	56.90		
Dry Thermometer.	OCTOBER.	1	62.2	64.3	63.0	59.1	57.2	56.8	56.5	56.2	55.8	56.2	57.0	61.5	58.82	
		2	63.5	65.9	64.4	60.7	58.8	57.8	57.2	57.2	57.0	56.8	57.5	60.0	59.73	
		3	62.1	64.6	63.9	59.8	58.4	58.2	57.8	—	—	—	—	—	—	—
		4	—	—	—	—	—	—	—	—	57.0	56.4	56.0	57.1	61.2	59.37
		5	63.6	63.4	62.6	60.0	58.6	58.5	58.2	58.4	58.4	—	—	58.6	61.5	60.16
		6	62.0	64.6	—	59.1	58.1	57.5	57.0	56.2	56.4	56.2	56.2	57.7	60.7	58.68
		7	61.3	61.8	61.8	61.4	57.0	57.0	56.5	56.2	56.4	55.4	57.3	57.3	61.3	58.62
		8	63.0	64.0	61.5	58.7	57.6	57.2	57.0	56.4	56.2	56.5	57.1	60.0	58.77	58.77
		9	61.2	65.4	62.8	59.7	57.7	58.4	58.0	57.2	57.2	57.4	58.0	60.4	59.45	59.45
		10	62.6	62.4	60.0	58.8	58.0	57.4	57.2	—	—	—	—	—	—	—
		11	—	—	—	—	—	—	—	—	—	57.2	57.0	57.8	58.5	58.81
		12	59.6	62.0	61.7	58.6	57.4	58.0	56.4	56.5	56.4	56.6	57.4	58.1	58.22	58.22
		13	59.4	61.6	59.8	58.5	58.0	57.6	58.0	57.1	57.0	57.2	58.2	59.7	58.51	58.51
		14	60.5	60.2	59.6	57.8	56.9	56.7	57.0	56.8	57.3	57.0	57.8	59.7	58.11	58.11
		15	60.0	60.2	60.6	59.0	57.3	57.7	56.7	56.6	57.5	57.0	57.2	59.0	58.23	58.23
		16	62.3	64.0	61.8	59.0	57.4	57.4	57.3	56.6	56.2	55.6	56.4	57.4	58.45	58.45
		17	60.2	60.5	60.8	59.6	57.4	56.9	56.8	—	—	—	—	—	—	—
		18	—	—	—	—	—	—	—	—	56.6	56.9	56.0	57.2	59.2	58.17
		19	60.6	61.4	59.8	59.4	57.6	57.1	56.9	57.0	56.2	56.2	57.4	59.4	58.25	58.25
		20	60.3	61.2	59.2	59.2	56.2	57.8	57.3	—	56.7	56.2	56.4	58.6	58.10	58.10
		21	60.4	60.8	59.2	58.7	57.5	57.5 <sup>a</sup>	57.6	57.3	57.3	57.3	57.3	57.1	57.6	58.19
		22	58.7	59.5	59.1	58.5	58.1	57.7	57.5	56.4	56.2	56.2	57.1	61.4	58.03	58.03
		23	63.2	64.9	64.2	61.1	58.2	57.4	57.4	57.4	57.2	56.6	57.5	58.6	59.47	59.47
		24	62.1	62.6	60.6	59.7	57.8	57.6	56.7	—	—	—	—	—	—	—
		25	—	—	—	—	—	—	—	—	56.6	54.7	53.0	57.8	62.2	58.45
		26	65.1	64.4	62.2	61.2	59.0	58.8	58.3	56.8	55.2	54.8	57.7	63.0	59.71	59.71
		27	65.6	66.1	66.7	62.0	59.4	59.4	58.8	58.7	58.0	57.7	58.8	61.9	61.09	61.09
		28	63.6	65.5	63.0	60.4	59.4	58.6	58.4	58.1	58.2	58.1	58.6	61.9	60.32	60.32
		29	64.8	63.5	62.6	61.0	58.6	58.0	58.2	58.6	58.1	58.2	58.2	58.6	60.6	60.07
		30	63.0	63.6	63.0	61.4	59.6	58.9	58.4	58.1	58.1	58.2	58.6	61.9	60.23	60.23
		31	65.4	66.4	65.6	62.6	60.4	59.9	59.5	—	—	—	—	—	—	—
		32	—	—	—	—	—	—	—	—	61.4	60.7	59.6	60.4	65.1	62.25
Hourly Means		62.09	63.14	61.90	59.81	58.06	57.84	57.50	57.26	57.00	56.65	57.71	60.39	59.12		

<sup>a</sup> The Observations from 21st day 10 h. to 22nd day 12 h. (the October Term) were made with the Instrument within the Observatory; the observed temperatures are here corrected by the subtraction of 1°·7, being the difference between the interior and exterior Thermometers.

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer. NOVEMBER.	2	59.5	62.0	60.8	59.6	57.0	57.8	58.4	57.0	56.0	57.6	59.0	60.1	58.73
	3	61.0	61.3	61.0	59.6	58.0	58.5	57.8	57.6	57.8	57.1	57.6	59.5	58.90
	4	60.9	61.0	60.1	58.5	58.4	57.4	58.0	57.1	55.4	55.6	56.9	59.2	58.21
	5	58.8	59.7	57.8	58.0	58.2	57.2	56.3	55.6	55.8	55.0	55.4	57.3	57.09
	6	58.7	59.4	59.0	58.2	58.4	56.6	55.4	55.8	56.1	55.3	56.0	57.7	57.22
	7	59.7	59.8	59.4	56.8	55.8	56.7	56.8	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	56.7	55.8	55.8	56.8	58.1	57.35
	9	60.5	60.1	59.6	58.3	57.7	56.4	56.4	57.6	57.4	56.0	55.7	57.0	57.72
	10	59.1	59.4	59.5	59.0	57.8	55.8	55.9	55.8	56.1	55.1	55.6	57.0	57.17
	11	56.9	58.6	59.4	56.7	56.2	56.8	56.5	56.1	55.1	54.1	56.9	57.8	56.76
	12	60.2	58.9	59.1	58.0	57.0	57.5	57.9	56.0	56.3	55.6	56.1	58.8	57.62
	13	59.3	59.3	59.4	59.2	58.0	57.7	57.6	56.2	57.0	56.2	56.2	57.1	57.77
	14	57.8	—	58.1	58.2	56.4	57.4	56.6	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	56.6	56.2	55.5	56.7	57.4	56.99
	16	58.9	59.3	59.1	58.0	57.8	57.0	56.8	56.6	56.6	56.6	57.4	57.9	57.67
	17	59.1	60.7	60.2	—	—	57.4	58.9	58.5	57.9	57.2	57.8	58.8	58.65
	18	60.3	60.0	60.2	59.6	57.8	57.2	57.6	56.4	56.6	58.2	58.1	59.2	58.43
	19	59.8	60.4	59.8	58.7	58.0	57.5	56.8	57.2	57.2	56.7	58.0	58.6	58.22
	20	59.9	60.4	60.6	58.8	57.7	57.4	57.3	56.7	56.4	56.6	56.8	58.0	58.05
	21	59.8	60.2	59.5	58.4	57.5	57.8	57.2	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	58.3	58.4	58.1	58.7	58.4	58.52
	23	59.5	60.6	60.2	59.2	58.5	56.6	57.0	56.1	55.4	55.6	56.1	58.2	57.75
	24	58.4	58.8	59.0	57.9	57.0	57.4	56.4	56.2	55.4	56.4	56.4	58.1	57.28
	25	57.4	58.9	58.6	57.4	56.9	57.4	57.6	57.2	56.7	57.5	57.7	60.1	57.78
	26	60.7	60.4	60.2	59.6	58.0	57.8	57.7	57.4	57.8	57.8	57.3	60.8	58.79
	27	61.4	61.6	61.2	60.4	58.2	58.9	59.2	58.7	58.6	58.8	59.2	59.3	59.62
	28	61.7	61.9	61.7	60.6	60.0	59.9	60.2	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	56.6	55.4	56.4	56.4	57.9	59.06
	30	58.7	59.9	59.4	58.2	56.9	57.6	57.5	57.9	56.4	57.2	56.2	58.6	57.87
	Hourly Means	59.52	60.11	59.72	58.62	57.63	57.43	57.35	56.88	56.55	56.48	57.00	58.44	57.97
	Dry Thermometer. NOVEMBER.	2	67.2	69.2	68.6	65.8	60.0	60.0	60.1	58.9	58.0	58.9	60.3	64.5
3		66.2	67.5	65.2	62.8	60.3	60.0	59.2	59.1	59.2	58.7	59.8	64.4	61.87
4		65.8	66.2	66.1	62.8	60.7	59.5	59.6	58.6	58.4	58.4	60.1	63.0	61.60
5		65.8	64.8	64.4	63.0	60.8	59.2	58.4	59.0	59.2	58.8	60.1	62.3	61.32
6		66.4	68.9	64.8	62.4	60.8	59.3	59.2	59.3	59.2	58.8	59.6	62.4	61.76
7		65.2	65.4	65.2	61.8	60.1	60.2	59.8	—	—	—	—	—	—
8		—	—	—	—	—	—	—	59.4 <sup>a</sup>	58.4	58.4	59.4	62.4	61.31
9		66.2	67.6	65.2	62.7	60.7	60.0	59.8	59.7	59.8	58.8	59.4	61.0	61.74
10		65.2	66.2	65.0	63.8	60.4	59.3	58.6	58.8	59.1	57.8	58.8	62.6	61.30
11		62.4	64.9	65.0	58.7	58.2	58.8	58.4	58.4	58.0	57.8	58.7	60.5	59.98
12		63.9	64.9	64.0	62.0	59.4	60.0	59.8	59.4	58.7	58.2	59.8	62.0	61.01
13		64.6	63.7	65.4	62.6	60.0	59.4	59.6	58.6	58.8	58.3	58.4	61.2	60.88
14		62.2	—	63.1	61.6	59.8	58.8	58.1	—	—	—	—	—	—
15		—	—	—	—	—	—	—	58.4	58.5	57.5	59.0	61.8	59.89
16		62.2	64.7	63.7	61.3	59.9	59.0	59.2	58.9	58.8	58.4	59.7	60.9	60.56
17		63.0	66.3	63.0	—	—	60.2	59.8	59.6	59.0	58.8	59.6	60.6	60.99
18		61.3	60.6	61.9	60.7	59.1	58.8	59.0	58.0	58.1	59.0	58.7	59.8	59.58
19		62.2	64.4	62.5	60.6	59.6	59.0	58.4	58.6	58.8	58.3	58.9	60.5	60.15
20		62.6	64.4	64.0	61.4	59.7	59.5	59.2	58.7	58.4	58.4	59.0	60.8	60.51
21		63.9	65.8	63.4	61.8	60.2	59.9	59.6	—	—	—	—	—	—
22		—	—	—	—	—	—	—	59.2	59.0	58.5	59.2	59.4	60.82
23		61.6	64.4	63.1	61.0	60.0	59.2	59.0	58.8	58.6	58.1	59.1	61.2	60.34
24		62.4	61.3	62.0	59.4	58.2	58.4	57.8	57.0	56.7	57.0	57.2	58.9	58.86
25		60.0	61.6	60.4	59.2	58.6	58.8	58.7	58.0	58.0	58.2	58.5	61.3	59.27
26		61.7	62.2	62.6	60.8	58.8	59.5	58.2	58.0	58.4	58.3	58.8	61.4	59.89
27		62.6	64.5	64.9	63.1	60.8	60.0	60.0	59.4	59.2	59.4	59.8	61.4	61.26
28		65.0	63.8	64.1	62.5	61.2	60.8	60.8	—	—	—	—	—	—
29		—	—	—	—	—	—	—	58.2	57.8	57.4	58.4	60.8	60.90
30		62.3	63.2	61.8	61.4	59.1	59.1	58.9	59.2	57.7	58.4	58.5	61.7	60.11
Hourly Means		63.68	64.85	63.98	61.80	59.85	59.47	59.17	58.74	58.55	58.34	59.15	61.47	60.74

<sup>a</sup> Omitted in the Hourly Means, being taken too late.

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	DECEMBER.	1	60.6	59.4	60.1	58.5	57.8	56.5	57.2	58.0	57.4	57.0	56.6	57.6	58.06	
		2	59.8	61.1	60.3	58.3	57.8	57.6	57.6	56.6	57.6	57.0	56.0	58.7	58.20	
		3	59.5	59.8	59.9	59.1	59.0	58.8	58.1	58.2	56.8	58.0	57.5	60.1	58.73	
		4	60.1	60.8	59.8	58.5	57.8	58.4	58.4	58.4	58.2	56.8	56.5	58.1	61.2	58.72
		5	61.6	60.9	61.0	59.4	57.6	58.4	59.1	—	—	—	—	—	—	59.03
		6	—	—	—	—	—	—	—	—	57.9	58.0	56.5	57.4	60.6	—
		7	61.6	61.5	61.0	59.8	59.0	59.3	59.1	58.6	57.8	56.6	56.6	58.1	58.6	59.25
		8	59.6	60.4	59.7	59.2	57.6	57.6	58.0	58.0	56.2	56.4	55.1	56.9	58.1	57.90
		9	60.1	58.7	58.8	59.2	56.8	56.4	56.2	56.1	56.0	—	—	56.7	57.8	57.53
		10	58.4	61.5	60.8	59.7	59.3	59.4	59.2	59.0	59.8	60.0	59.9	59.9	61.5	59.87
		11	62.4	61.6	60.9	60.4	60.0	59.9	58.8	59.2	58.6	59.1	59.7	60.0	60.0	60.05
		12	62.0	61.6	60.9	59.9	58.9	58.4	58.7	—	—	—	—	—	—	—
		13	—	—	—	—	—	—	—	—	59.1	58.8	53.7	58.5	59.2	59.14
		14	59.4	60.8	61.8	58.4	59.8	58.4	58.6	58.6	57.2	58.3	55.4	58.1	60.0	58.85
		15	59.9	61.2	60.9	61.1	60.4	60.4	—	—	59.8	59.9	59.6	60.3	59.6	60.28
		16	60.8	61.4	60.3	60.1	60.2	59.6	58.8	58.2	58.4	57.8	58.6	58.6	58.9	59.42
		17	61.0	61.1	61.4	59.7	58.5	58.0	58.2	56.9	57.3	58.4	57.2	58.4	58.4	58.84
		18	59.6	60.8	60.5	60.3	58.9	58.8	58.2	59.0	58.3	—	—	56.4	59.2	59.09
		19	60.2	59.8	60.3	59.1	56.6	58.0	57.3	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	58.8	57.8	57.3	58.7	58.1	58.50
		21	60.4	61.0	61.1	61.3	59.9	59.8	58.7	59.0	58.8	58.3	59.2	59.3	59.3	59.73
		22	60.2	61.4	61.3	61.9	61.3	60.0	60.4	60.0	60.1	60.1	59.8	62.2	62.2	60.72
		23	60.9	62.4	61.8	61.6	57.5	59.6	60.2	59.6	59.7	59.4	59.5	60.7	60.7	60.24
		24	60.9	60.9	61.4	59.2	59.1	59.2	59.1	—	—	—	—	—	—	60.30
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	60.2	60.4	60.2	60.6	62.4	—
		26	63.3	63.0	62.7	61.6	61.6	61.6	61.5	—	—	—	—	—	—	60.55
		27	—	—	—	—	—	—	—	—	57.3	57.2	59.0	58.0	59.8	—
		28	61.1	62.7	62.2	61.5	60.6	60.0	58.4	56.4	58.5	—	—	58.1	60.0	59.95
		29	61.0	61.6	60.9	59.4	59.4	59.8	59.8	60.0	58.0	57.8	57.4	59.3	59.3	59.53
		30	61.7	62.4	62.8	59.8	60.4	59.1	59.8	59.6	60.0	59.8	60.4	61.6	61.6	60.62
		31	62.0	62.8	61.6	61.6	59.4	60.0	60.2	60.1	59.7	59.6	60.4	61.7	61.7	60.76
Hourly Means		60.70	61.18	60.93	59.95	59.05	58.96	58.78	58.43	58.32	57.92	58.39	59.79	59.38		
Dry Thermometer.	DECEMBER.	1	63.9	66.1	65.8	61.6	59.8	58.8	59.4	59.9	59.2	59.5	58.9	62.4	61.27	
		2	64.4	66.7	66.2	62.2	60.5	59.7	59.4	58.7	59.4	57.8	58.6	62.2	61.32	
		3	65.9	65.5	65.5	63.1	61.2	60.4	59.6	59.6	59.0	59.4	58.6	64.2	61.83	
		4	63.6	65.4	64.3	61.8	60.2	59.8	59.6	59.5	59.4	59.5	60.0	62.1	61.27	
		5	66.4	65.6	65.6	61.5	59.1	60.2	60.1	—	—	—	—	—	—	—
		6	—	—	—	—	—	—	—	—	59.1	59.2	57.3	58.7	62.2	61.25
		7	65.4	66.4	64.7	62.3	60.6	60.4	60.0	60.0	59.2	58.5	57.4	59.1	60.5	61.21
		8	62.2	64.3	65.3	63.4	59.9	59.4	59.3	57.9	58.1	57.2	57.2	59.0	61.8	60.65
		9	65.6	62.2	63.5	64.8	60.0	58.8	58.5	58.2	58.2	—	—	60.2	64.3	61.30
		10	65.0	68.3	67.1	64.0	61.4	60.9	60.7	60.0	60.7	60.6	61.0	63.8	63.8	62.79
		11	66.6	65.1	64.8	63.4	61.6	61.1	60.0	60.2	59.6	59.9	60.4	63.9	63.9	62.22
		12	66.4	65.9	66.9	64.6	61.5	60.8	60.6	—	—	—	—	—	—	—
		13	—	—	—	—	—	—	—	—	60.6	60.9	59.3	61.4	63.1	62.67
		14	61.4	66.6	65.4	62.1	60.8	60.8	61.0	60.4	60.4	59.9	61.6	61.1	61.1	61.79
		15	60.9	62.5	64.6	63.1	61.7	61.2	—	60.4	60.4	60.4	61.1	60.6	60.6	61.54
		16	61.7	62.6	61.9	61.5	61.1	60.4	60.0	60.2	59.8	59.3	59.6	61.9	61.9	60.83
		17	64.9	65.4	65.5	63.3	61.2	60.8	60.8	60.2	60.1	60.4	60.2	61.6	61.6	62.03
		18	63.2	66.6	64.9	62.7	60.4	60.4	60.4	60.6	59.1	—	—	59.1	61.8	61.74
		19	66.2	67.2	64.4	62.1	60.8	61.2	61.0	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	60.6	60.4	59.8	61.4	66.6	62.64
		21	66.7	68.8	68.2	65.1	62.5	61.8	61.3	61.0	60.8	60.4	61.6	61.6	64.0	63.52
		22	68.2	69.4	68.8	68.1	63.9	62.2	62.0	61.6	61.6	61.9	61.7	61.7	65.8	64.60
		23	65.3	65.6	64.1	65.7	61.6	61.6	61.6	60.9	60.8	60.5	61.0	61.0	64.5	62.77
		24	65.0	65.0	65.6	63.5	61.5	61.4	60.8	—	—	—	—	—	—	—
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	61.2	61.1	60.8	61.4	65.0	62.69
		26	69.0	68.4	70.4	66.3	63.7	63.4	62.7	—	—	—	—	—	—	—
		27	—	—	—	—	—	—	—	—	60.3	59.8	61.0	61.3	63.1	64.12
		28	68.6	69.9	69.1	65.4	63.0	62.2	61.5	61.0	61.8	—	—	60.5	63.6	64.24
		29	64.0	67.0	65.2	61.2	60.4	61.1	60.7	61.0	60.2	60.0	60.7	61.3	61.3	61.90
		30	65.6	67.2	68.0	64.7	62.6	61.5	61.6	61.3	61.2	61.0	61.8	63.9	63.9	63.37
		31	65.7	66.6	66.3	64.1	62.2	62.2	62.0	61.7	61.4	61.2	61.8	63.7	63.7	63.24
Hourly Means		65.07	66.16	65.85	63.52	61.28	60.86	60.58	60.20	60.04	59.76	60.41	63.04	62.26		

<sup>a</sup> Christmas Day.

F

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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. MAY.	1	79	75	72	73	—	77	76	75	71	74	75	79	751
	2	74	73	72	71	74	78	82	—	—	—	—	—	776
	3	—	—	—	—	—	—	—	85	84	86	81	71	832
	4	75	75	77	82	85	85	84	84	87	88	89	87	912
	5	87	89	92	92	93	93	96	89	91	90	91	92	861
	6	87	85	82	84	86	86	87	87	87	89	87	86	825
	7	80	77	73	78	79	84	86	86	86	86	88	87	851
	8	85	84	84	87	87	87	88	88	88	84	81	78	801
	9	78	74	78	80	82	78	81	—	—	—	—	—	840
	10	—	—	—	—	—	—	—	84	78	79	88	81	867
	11	81	81	78	85	88	87	89	84	83	86	84	82	889
	12	80	85	86	87	89	89	89	88	89	88	88	88	887
	13	89	87	87	86	88	89	89	91	91	86	92	92	882
	14	90	89	89	89	90	91	89	89	86	84	89	90	861
	15	87	87	85	89	87	89	88	88	90	88	91	89	848
	16	87	79	82	86	85	87	88	—	—	—	—	—	869
	17	—	—	—	—	—	—	—	89	83	88	90	89	830
	18	87	87	79	82	83	87	87	86	84	81	87	88	836
	19	87	87	83	85	87	89	89	87	87	91	82	89	873
	20	86	81	72	80	85	84	85	85	85	88	79	86	860
	21	77	80	82	82	82	79	82	87	88	86	88	90	787
	22	90	89	89	89	89	89	92	87	88	83	81	82	827
	23	88	88	88	87	83	88	89	—	—	—	—	—	807
	24	—	—	—	—	—	—	—	96	77	79	86	83	783
	25	77	73	77	77	74	76	75	76	82	99	—	80	869
	26	79	76	79	82	84	88	89	87	80	81	86	82	830
	27	79	82	81	78	81	86	86	85	80	78	74	78	836
	28	71	75	73	77	79	81	80	80	79	80	82	83	873
	29	85	87	85	83	86	85	88	90	88	89	86	91	869
	30	93	95	95	95	96	96	96	—	—	—	—	—	910
	31	—	—	—	—	—	—	—	90	84	82	85	85	844
Hourly Means	830	823	815	833	849	857	865	863	845	851	852	847	844	
Tension of the Vapour. MAY.	1	In. .457	In. .465	In. .453	In. .448	—	In. .430	In. .434	In. .423	In. .416	In. .404	In. .411	In. .458	In. .4363
	2	.440	.443	.453	.436	.422	.422	.445	—	—	—	—	—	.4493
	3	—	—	—	—	—	—	—	.498	.473	.482	.460	.418	.4946
	4	.457	.483	.491	.504	.492	.499	.497	.481	.494	.510	.509	.518	.5337
	5	.547	.544	.570	.555	.542	.536	.548	.496	.506	.499	.513	.548	.5021
	6	.521	.529	.525	.529	.518	.493	.494	.485	.483	.467	.483	.498	.4830
	7	.486	.480	.475	.483	.459	.472	.477	.488	.488	.484	.500	.504	.5019
	8	.516	.534	.527	.526	.522	.509	.514	.512	.500	.468	.451	.444	.4593
	9	.461	.454	.465	.468	.468	.441	.457	—	—	—	—	—	.4642
	10	—	—	—	—	—	—	—	.493	.435	.443	.477	.450	.4762
	11	.459	.479	.453	.482	.492	.477	.477	.454	.444	.457	.450	.446	.4947
	12	.447	.488	.494	.485	.490	.490	.485	.475	.474	.469	.464	.453	.4879
	13	.505	.499	.498	.489	.488	.491	.487	.496	.495	.486	.503	.500	.4911
	14	.492	.506	.506	.496	.493	.499	.486	.486	.470	.451	.474	.496	.4852
	15	.489	.505	.509	.502	.486	.492	.491	.482	.483	.468	.496	.490	.4825
	16	.501	.461	.490	.490	.476	.486	.490	—	—	—	—	—	.4911
	17	—	—	—	—	—	—	—	.504	.453	.483	.495	.494	.4911
	18	.499	.506	.487	.482	.473	.490	.489	.479	.456	.453	.482	.494	.4631
	19	.506	.522	.506	.496	.492	.496	.493	.483	.474	.500	.437	.488	.4557
	20	.484	.471	.435	.473	.479	.461	.468	.471	.464	.467	.419	.465	.4603
	21	.448	.460	.471	.460	.436	.428	.441	.463	.465	.457	.463	.476	.4586
	22	.479	.480	.496	.469	.466	.463	.488	.457	.448	.428	.418	.432	.4274
	23	.477	.481	.484	.476	.435	.469	.470	—	—	—	—	—	.4464
	24	—	—	—	—	—	—	—	.533	.391	.408	.457	.422	.4278
	25	.422	.406	.438	.430	.398	.402	.397	.421	.432	.525	—	.431	.4184
	26	.445	.425	.452	.454	.458	.462	.474	.462	.418	.423	.445	.439	.4762
	27	.432	.463	.457	.432	.427	.459	.458	.449	.406	.373	.371	.407	.4872
	28	.385	.423	.416	.429	.415	.428	.419	.411	.403	.414	.431	.447	.4762
	29	.476	.492	.485	.477	.479	.477	.470	.482	.460	.473	.451	.493	.4872
	30	.516	.527	.510	.507	.511	.513	.513	—	—	—	—	—	.4872
	31	—	—	—	—	—	—	—	.479	.446	.432	.442	.451	.4716
Hourly Means	.4749	.4818	.4825	.4799	.4727	.4721	.4755	.4755	.4568	.4586	.4601	.4678	.4716	

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 St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. JUNE.	1	88	89	88	90	88	89	88	88	87	86	86	86	877
	2	87	88	89	88	90	88	86	86	88	89	91	85	879
	3	89	89	85	85	86	85	81	86	86	83	84	85	853
	4	86	74	74	85	80	85	86	77	77	82	82	82	808
	5	81	79	82	78	86	86	86	89	75	85	81	75	819
	6	81	85	84	82	85	85	85	—	—	—	—	—	852
	7	—	—	—	—	—	—	—	91	89	87	85	84	
	8	84	86	87	86	86	88	89	90	87	87	85	88	869
	9	88	86	85	85	85	85	87	84	83	85	80	76	841
	10	78	81	82	85	86	86	85	88	89	90	90	90	858
	11	89	94	85	82	89	90	92	91	91	92	92	92	899
	12	91	91	91	93	91	91	92	92	91	91	91	91	913
	13	91	87	91	91	92	91	91	—	—	—	—	—	899
	14	—	—	—	—	—	—	—	89	89	89	89	89	
	15	90	89	91	89	89	92	90	89	88	88	94	88	897
	16	89	88	89	89	90	90	89	94	85	83	82	76	870
	17	70	77	76	78	75	71	72	71	67	74	73	70	728
	18	71	75	77	79	88	78	80	81	82	83	82	85	801
	19	82	82	81	86	88	84	89	88	85	88	91	87	859
	20	82	74	84	—	84	82	85	—	—	—	—	—	850
	21	—	—	—	—	—	—	—	88	89	89	89	89	
	22	89	90	89	89	91	91	91	86	91	91	91	86	896
	23	91	89	89	90	89	90	89	92	92	91	91	89	902
	24	91	90	84	90	90	91	91	85	89	91	91	87	892
	25	86	84	87	89	88	88	88	89	87	87	87	84	870
	26	81	78	81	78	78	80	79	75	76	77	77	80	783
	27	83	82	81	83	86	84	85	—	—	—	—	—	847
	28	—	—	—	—	—	—	—	88	86	87	86	86	
	29	86	83	82	79	78	79	78	80	79	78	79	78	799
	30	78	76	70	72	75	77	70	81	79	78	78	76	758
Hourly Means	847	841	840	848	859	856	855	861	845	858	857	840	851	
Tension of the Vapour. JUNE.	1	.475	.487	.487	.481	.471	.473	.464	.460	.453	.441	.445	.454	.4659
	2	.474	.483	.493	.474	.476	.460	.454	.446	.458	.455	.458	.453	.4653
	3	.465	.482	.466	.432	.447	.429	.413	.438	.422	.411	.409	.427	.4367
	4	.456	.406	.404	.455	.406	.440	.435	.390	.391	.402	.412	.425	.4185
	5	.429	.433	.446	.441	.459	.455	.450	.463	.387	.445	.429	.402	.4366
	6	.451	.476	.476	.459	.470	.465	.457	—	—	—	—	—	.4657
	7	—	—	—	—	—	—	—	.508	.474	.462	.447	.443	
	8	.460	.490	.494	.481	.472	.474	.487	.483	.470	.462	.453	.462	.4740
	9	.497	.489	.495	.484	.472	.467	.471	.459	.448	.458	.422	.412	.4645
	10	.446	.456	.450	.466	.458	.456	.452	.461	.463	.475	.478	.490	.4626
	11	.483	.506	.470	.442	.480	.486	.486	.494	.489	.490	.496	.485	.4839
	12	.499	.507	.506	.497	.494	.492	.495	.492	.490	.485	.485	.493	.4946
	13	.497	.480	.500	.496	.491	.474	.470	—	—	—	—	—	.4785
	14	—	—	—	—	—	—	—	.469	.462	.464	.465	.474	
	15	.479	.488	.491	.451	.452	.467	.457	.454	.431	.444	.459	.450	.4602
	16	.463	.460	.466	.468	.463	.457	.448	.575	.420	.417	.404	.376	.4431
	17	.370	.404	.415	.408	.374	.345	.349	.335	.330	.359	.358	.359	.3672
	18	.379	.408	.421	.419	.448	.376	.378	.378	.390	.406	.402	.427	.4027
	19	.428	.433	.414	.456	.460	.451	.450	.443	.425	.457	.462	.455	.4445
	20	.437	.415	.472	—	.447	.424	.438	—	—	—	—	—	.4488
	21	—	—	—	—	—	—	—	.457	.464	.458	.460	.465	
	22	.472	.474	.474	.461	.468	.456	.464	.455	.465	.469	.465	.446	.4641
	23	.479	.463	.475	.469	.465	.466	.461	.472	.472	.467	.465	.464	.4682
	24	.482	.486	.451	.475	.468	.473	.470	.452	.462	.467	.467	.456	.4674
	25	.457	.456	.469	.474	.459	.459	.460	.456	.447	.448	.443	.431	.4549
	26	.430	.436	.428	.405	.398	.404	.394	.378	.384	.390	.386	.404	.4031
	27	.436	.443	.440	.445	.451	.438	.436	—	—	—	—	—	.4443
	28	—	—	—	—	—	—	—	.459	.450	.443	.443	.448	
	29	.457	.441	.431	.411	.393	.394	.390	.394	.383	.368	.372	.394	.4023
	30	.394	.400	.387	.385	.374	.373	.346	.397	.381	.375	.382	.379	.3811
Hourly Means	.4537	.4578	.4585	.4534	.4506	.4444	.4413	.4449	.4350	.4392	.4372	.4375	.4461	

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	JULY.	1	78	72	71	73	77	73	76	98	77	78	76	85	778	
		2 <sup>n</sup>	85	95	90	95	—	76	77	80	—	—	68	72	—	
		3	84	85	85	83	82	83	86	86	84	84	84	84	81	839
		4	78	76	79	79	80	81	82	—	—	—	—	—	—	802
		5	—	—	—	—	—	—	—	85	80	81	81	81	80	—
		6	81	82	83	83	86	87	86	89	87	88	88	87	86	854
		7	85	83	84	84	85	85	83	89	85	86	86	87	87	852
		8	84	78	77	82	84	85	86	86	86	86	86	87	86	839
		9	86	84	84	84	85	85	86	86	86	85	83	81	84	844
		10	82	80	85	86	86	82	82	81	76	78	82	81	81	817
		11	81	80	84	77	88	85	83	—	—	—	—	—	—	849
		12	—	—	—	—	—	—	—	87	88	93	87	86	86	—
		13	86	81	90	86	86	83	92	87	87	86	87	88	88	866
		14	88	85	82	85	84	85	86	86	86	83	82	82	80	840
		15	78	77	75	76	79	85	85	86	85	78	82	82	83	807
		16	76	73	75	77	83	83	81	81	75	74	76	76	81	779
		17	73	77	71	68	72	73	75	79	78	76	78	78	73	744
		18	72	66	63	67	72	81	83	—	—	—	—	—	—	779
		19	—	—	—	—	—	—	—	92	85	84	85	85	85	—
		20	82	81	78	83	78	77	76	76	75	75	76	75	75	777
		21	75	79	75	76	76	79	81	83	82	80	82	82	81	791
		22	78	79	77	82	85	83	80	78	81	83	87	87	87	817
		23	87	86	85	85	85	86	87	88	89	89	89	89	88	870
		24	88	87	86	87	89	87	89	90	90	90	88	88	91	885
		25	92	92	91	90	90	90	89	—	—	—	—	—	—	905
		26	—	—	—	—	—	—	—	91	90	89	90	92	92	—
		27	89	89	88	86	79	80	80	79	82	85	86	87	87	842
		28	87	87	87	86	80	81	84	83	87	87	86	88	88	852
		29	89	90	89	86	84	82	86	82	82	—	72	78	78	836
		30	82	79	84	89	91	91	91	84	81	85	88	85	85	858
		31	86	82	83	87	87	86	90	87	93	90	88	91	91	875
Hourly Means		826	812	812	818	828	830	840	853	836	836	836	842	831		
Tension of the Vapour.	JULY.	1	In. .404	In. .384	In. .382	In. .394	In. .399	In. .364	In. .371	In. .488	In. .388	In. .391	In. .376	In. .437	In. .3982	
		2 <sup>n</sup>	.442	.492	.489	.509	—	.364	.381	.398	—	—	.340	.368	—	
		3	.441	.438	.440	.430	.414	.422	.431	.434	.416	.418	.418	.413	.403	.4250
		4	.405	.422	.433	.428	.409	.406	.414	—	—	—	—	—	—	.4152
		5	—	—	—	—	—	—	—	.446	.396	.402	.412	.409	.409	—
		6	.429	.433	.454	.440	.440	.446	.440	.449	.430	.435	.435	.442	.442	.4394
		7	.446	.439	.451	.447	.442	.439	.426	.457	.425	.430	.429	.446	.446	.4397
		8	.445	.434	.439	.451	.443	.452	.455	.447	.440	.440	.444	.444	.453	.4452
		9	.454	.449	.454	.444	.437	.437	.440	.436	.425	.419	.398	.435	.435	.4357
		10	.436	.435	.453	.450	.435	.411	.416	.400	.375	.386	.404	.408	.408	.4174
		11	.414	.416	.449	.406	.439	.425	.412	—	—	—	—	—	—	.4297
		12	—	—	—	—	—	—	—	.437	.443	.457	.431	.427	.427	—
		13	.442	.426	.460	.446	.437	.414	.458	.428	.432	.419	.423	.439	.439	.4353
		14	.447	.437	.426	.432	.423	.427	.423	.414	.404	.395	.396	.396	.396	.4183
		15	.391	.389	.397	.401	.405	.425	.424	.438	.425	.382	.395	.414	.414	.4072
		16	.388	.385	.418	.404	.422	.419	.410	.408	.374	.364	.378	.407	.407	.3981
		17	.376	.406	.377	.370	.366	.355	.363	.383	.374	.358	.368	.360	.360	.3713
		18	.361	.352	.350	.361	.370	.413	.418	—	—	—	—	—	—	—
		19	—	—	—	—	—	—	—	.443	.417	.416	.417	.423	.423	.3951
		20	.422	.430	.433	.435	.390	.380	.375	.369	.363	.362	.364	.372	.372	.3912
		21	.382	.410	.394	.390	.388	.395	.403	.406	.402	.384	.387	.398	.398	.3949
		22	.393	.412	.411	.420	.417	.414	.394	.383	.397	.394	.408	.427	.427	.4058
		23	.436	.451	.447	.437	.429	.432	.434	.443	.449	.448	.445	.447	.447	.4415
		24	.450	.452	.454	.450	.449	.432	.453	.455	.449	.452	.447	.465	.465	.4507
		25	.470	.470	.468	.453	.451	.442	.432	—	—	—	—	—	—	—
		26	—	—	—	—	—	—	—	.459	.440	.431	.430	.450	.450	.4497
		27	.438	.452	.461	.435	.384	.386	.384	.379	.389	.405	.407	.418	.418	.4115
		28	.423	.434	.435	.418	.386	.385	.397	.391	.404	.399	.396	.413	.413	.4067
		29	.427	.436	.440	.412	.397	.386	.407	.378	.381	—	.342	.370	.370	.3647
		30	.404	.396	.420	.430	.428	.425	.420	.384	.370	.388	.398	.401	.401	.4053
		31	.417	.412	.420	.419	.412	.407	.419	.403	.428	.418	.398	.422	.422	.4146
Hourly Means		.4208	.4230	.4295	.4232	.4158	.4130	.4161	.4215	.4090	.4077	.4054	.4185	.4170		

\* Omitted in the Means.

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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21						
Humidity of the Air.	AUGUST.	1	84	82	80	82	83	81	84	—	—	—	—	841				
		2	—	—	—	—	—	—	—	90	84	87	86		86			
		3	86	86	86	87	87	85	82	83	79	80	75			82		
		4	82	86	85	82	83	88	96	88	83	89	91		91		870	
		5	90	91	91	89	91	93	92	93	92	86	87		83	898		
		6	84	82	82	81	81	83	88	89	88	87	87		86		848	
		7	89	85	85	85	85	87	87	92	87	—	85		88	868		
		8 <sup>a</sup>	88	88	88	91	Removing to the permanent Observatory.								—		—	—
		9	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		10	—	—	—	—	—	—	—	—	—	—	—		—	—		—
		11	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		12	—	—	—	—	—	—	—	—	—	—	—		—	—		—
		13	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		14	—	—	—	—	—	—	—	—	—	—	—		—	—		—
		15	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		16 <sup>a</sup>	—	—	—	—	—	—	—	—	81	78	76		85	73		—
		17	67	77	79	83	87	92	83	78	76	77	89		79	79	806	
		18	84	84	86	90	86	95	96	96	96	89	87		83	83		893
		19	76	72	70	85	96	97	97	95	90	94	90		83	83	871	
		20	75	—	69	76	84	87	85	95	83	80	91		76	76		820
		21	84	73	69	73	75	78	79	82	89	92	95		90	90	816	
		22	94	87	85	94	95	96	97	—	—	—	—		—	—		914
		23	—	—	—	—	—	—	—	96	85	96	86		86	86	820	
		24	74	79	92	78	76	87	84	94	81	91	73		75	75		823
		25	71	77	77	92	85	82	79	85	87	86	80		86	86	825	
		26	87	87	81	80	91	93	82	86	76	76	83		68	68		787
		27	70	68	77	76	85	89	92	88	77	78	75		70	70	—	
		28 <sup>a</sup>	72	—	—	—	—	—	85	89	90	87	90		90	90		—
		29	89	88	88	88	88	94	93	—	—	—	—		—	—	869	
		30	—	—	—	—	—	—	—	77	78	81	93		86	86		859
		31	77	80	78	86	88	85	87	94	94	94	87		81	81		
Hourly Means	813	814	811	837	859	884	879	890	847	861	856	822	848					
Tension of the Vapour.	AUGUST.	1	In. .409	In. .404	In. .400	In. .399	In. .396	In. .388	In. .398	—	—	—	—	.4067				
		2	—	—	—	—	—	—	—	.451	.404	.414	.407		.411	.3990		
		3	.423	.419	.427	.413	.416	.407	.390	.388	.371	.377	.372		.385			
		4	.390	.411	.410	.398	.399	.421	.460	.414	.391	.415	.424		.431	.4137		
		5	.442	.450	.450	.427	.438	.411	.436	.433	.425	.394	.393		.382	.4259		
		6	.396	.396	.405	.392	.380	.395	.415	.421	.405	.403	.407		.403	.4015		
		7	.405	.418	.421	.411	.403	.423	.403	.422	.397	—	.398		.408	.4099		
		8 <sup>a</sup>	.407	.419	.421	.428	Removing to the permanent Observatory.								—	—	—	—
		9	—	—	—	—	—	—	—	—	—	—	—		—	—		
		10	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		11	—	—	—	—	—	—	—	—	—	—	—		—	—		
		12	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		13	—	—	—	—	—	—	—	—	—	—	—		—	—		
		14	—	—	—	—	—	—	—	—	—	—	—		—	—	—	
		15	—	—	—	—	—	—	—	—	—	—	—		—	—		
		16 <sup>a</sup>	—	—	—	—	—	—	—	—	.359	.342	.337		.383	.371	—	
		17	.377	.438	.410	.398	.405	.410	.378	.350	.338	.330	.379		.379	.379		.3827
		18	.421	.439	.436	.427	.378	.417	.414	.412	.406	.363	.368		.375	.375	.4047	
		19	.368	.372	.368	.395	.418	.421	.419	.407	.372	.387	.368		.378	.378		.3894
		20	.369	—	.363	.357	.377	.399	.366	.406	.349	.333	.379		.366	.366	.3695	
		21	.396	.374	.350	.336	.336	.346	.357	.365	.384	.393	.414		.430	.430		.3734
		22	.460	.429	.427	.431	.422	.429	.427	—	—	—	—		—	—	.4182	
		23	—	—	—	—	—	—	—	.430	.371	.412	.374		.407	.407		.3697
		24	368	.408	.430	.365	.335	.390	.366	.408	.338	.371	.315		.343	.343	.3649	
		25	.354	.390	.381	.399	.387	.356	.340	.346	.365	.361	.326		.374	.374		.3669
		26	.396	.407	.386	.365	.395	.387	.354	.364	.324	.327	.362		.336	.336	.3629	
		27	.368	.367	.391	.359	.365	.390	.399	.385	.333	.335	.329		.334	.334		—
		28 <sup>a</sup>	.371	—	—	—	—	—	.405	.425	.425	.400	.421		.425	.425	—	
		29	.435	.450	.458	.444	.427	.456	.454	—	—	—	—		—	—		.4098
		30	—	—	—	—	—	—	—	.339	.339	.343	.394		.379	.379	.3867	
		31	.383	.403	.390	.391	.396	.377	.370	.381	.378	.394	.390		.387	.387		
Hourly Means	.3978	.4103	.4057	.3948	.3929	.4029	.3970	.3957	.3717	.3736	.3778	.3838	.3920					

<sup>a</sup> Omitted in the Hourly Means.



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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. SEPTEMBER.	1	76	67	90	85	90	92	93	86	89	90	93	93	870
	2	87	76	80	81	85	91	90	92	92	94	93	91	877
	3	78	77	81	82	91	93	92	95	95	95	92	87	882
	4	73	79	84	85	92	95	96	97	97	96	97	96	906
	5	95	96	90	93	94	95	95	—	—	—	—	—	917
	6	—	—	—	—	—	—	—	85	88	85	92	93	
	7	87	88	91	88	99	94	92	95	96	92	91	90	919
	8	89	93	90	96	96	93	96	85	93	95	96	88	925
	9	90	87	83	93	96	96	94	92	97	93	89	91	917
	10	84	86	92	93	95	97	98	90	98	97	94	83	922
	11	78	90	82	83	88	82	89	86	85	85	87	82	847
	12	77	89	82	91	93	95	96	—	—	—	—	—	884
	13	—	—	—	—	—	—	—	85	88	90	90	85	
	14	81	81	79	86	87	86	89	92	88	85	83	78	846
	15	77	74	78	84	86	87	85	80	80	84	81	73	807
	16	72	77	—	92	99	89	94	—	97	93	85	84	882
	17	79	77	78	91	92	96	97	97	98	97	98	97	914
	18	97	88	87	92	95	96	97	96	97	99	99	98	951
	19	98	97	96	97	97	98	94	—	—	—	—	—	947
	20	—	—	—	—	—	—	—	92	94	95	91	87	
	21	94	94	89	90	89	88	86	87	87	93	93	96	905
	22	96	98	92	85	90	89	89	89	74	76	81	78	864
	23	72	69	69	76	85	80	92	91	88	90	91	86	824
	24	88	90	91	91	83	88	78	82	86	93	94	93	881
	25	88	82	81	84	86	84	89	85	92	93	85	85	862
	26	80	77	89	92	94	96	96	—	—	—	—	—	890
	27	—	—	—	—	—	—	—	—	88	89	90	88	
	28	83	81	85	85	89	88	86	89	91	92	92	85	872
	29	76	76	77	85	96	91	93	94	93	93	93	81	873
	30	80	79	77	85	91	91	92	93	94	95	94	86	881
Hourly Means	837	834	845	879	915	912	918	898	910	915	909	875	887	
Tension of the Vapour. SEPTEMBER.	1	.383	.362	.444	.395	.405	.409	.417	.371	.376	.384	.403	.411	.3967
	2	.405	.386	.414	.393	.388	.381	.373	.485	.397	.407	.413	.436	.3982
	3	.445	.425	.440	.416	.431	.427	.416	.433	.430	.428	.411	.450	.4293
	4	.399	.423	.450	.441	.443	.450	.452	.437	.427	.430	.456	.469	.4397
	5	.480	.467	.452	.444	.434	.437	.429	—	—	—	—	—	.4257
	6	—	—	—	—	—	—	—	.376	.388	.378	.404	.420	
	7	.432	.432	.421	.399	.448	.411	.397	.406	.406	.392	.398	.413	.4129
	8	.442	.450	.440	.430	.430	.413	.422	.377	.405	.408	.419	.402	.4198
	9	.426	.425	.405	.425	.415	.422	.411	.409	.413	.397	.376	.414	.4115
	10	.411	.442	.430	.425	.408	.425	.409	.378	.409	.392	.378	.368	.4062
	11	.389	.423	.409	.384	.388	.365	.380	.361	.358	.351	.361	.372	.3784
	12	.391	.446	.398	.410	.410	.410	.404	—	—	—	—	—	.4021
	13	—	—	—	—	—	—	—	.381	.388	.398	.396	.393	
	14	.410	.421	.416	.403	.393	.383	.398	.403	.382	.369	.375	.383	.3947
	15	.412	.400	.398	.400	.389	.391	.364	.348	.344	.361	.361	.353	.3767
	16	.371	.404	—	.448	.449	.390	.426	—	.418	.397	.366	.382	.4051
	17	.406	.417	.413	.424	.409	.426	.428	.419	.424	.413	.422	.453	.4212
	18	.464	.448	.441	.425	.427	.416	.417	.415	.419	.424	.427	.444	.4306
	19	.455	.464	.436	.423	.427	.422	.402	—	—	—	—	—	.4230
	20	—	—	—	—	—	—	—	.403	.400	.413	.408	.423	
	21	.457	.443	.443	.418	.384	.382	.372	.371	.373	.402	.403	.435	.4069
	22	.442	.455	.418	.394	.390	.377	.380	.369	.310	.315	.350	.362	.3802
	23	.394	.378	.375	.377	.379	.349	.435	.428	.406	.398	.424	.404	.3957
	24	.419	.438	.442	.442	.394	.411	.332	.346	.356	.381	.390	.413	.3970
	25	.416	.426	.393	.383	.381	.371	.392	.369	.403	.405	.357	.407	.3944
	26	.411	.418	.439	.423	.425	.415	.413	—	—	—	—	—	.4102
	27	—	—	—	—	—	—	—	—	.383	.377	.392	.416	
	28	.430	.433	.434	.408	.413	.400	.387	.392	.402	.396	.403	.379	.4064
	29	.416	.431	.423	.408	.438	.412	.413	.407	.400	.390	.409	.414	.4134
	30	.415	.430	.412	.408	.405	.404	.407	.408	.409	.399	.409	.432	.4115
Hourly Means	.4200	.4264	.4234	.4133	.4117	.4038	.4029	.3913	.3933	.3925	.3977	.4095	.4072	

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	OCTOBER.	1	79	74	75	82	91	92	95	94	92	92	89	80	862	
		2	76	70	73	82	84	89	88	94	89	89	89	83	838	
		3	79	74	76	82	86	87	86	—	—	—	—	—	833	
		4	—	—	—	—	—	—	—	85	88	88	88	81		
		5	70	75	82	88	92	94	93	95	95	—	—	92	83	872
		6	88	75	—	91	91	91	91	89	89	86	86	81	89	871
		7	88	87	85	88	84	84	85	85	85	89	92	84	73	853
		8	74	70	78	85	81	90	84	85	85	86	89	85	80	822
		9	79	72	78	91	89	93	91	86	86	86	86	87	82	850
		10	81	79	93	94	97	97	97	—	—	—	—	—	—	930
		11	—	—	—	—	—	—	—	—	—	95	96	97	97	
		12	93	85	83	92	96	97	97	97	97	97	97	98	98	942
		13	97	87	90	96	96	96	94	95	89	91	89	97	98	932
		14	99	93	96	96	96	96	92	91	93	96	96	97	97	952
		15	98	98	97	97	97	97	97	96	95	96	96	95	91	961
		16	87	79	85	89	95	96	96	96	94	95	97	96	96	921
		17	89	87	85	83	88	92	91	—	—	—	—	—	—	878
		18	—	—	—	—	—	—	—	—	87	90	89	90	83	
		19	83	83	90	85	88	91	92	92	92	93	89	88	83	881
		20	83	85	91	89	93	92	88	—	—	88	85	92	86	884
		21	86	86	91	90	95	92	88	89	89	93	88	88	92	898
		22	89	89	91	92	92	88	87	86	86	85	85	89	77	875
		23	72	70	72	69	87	92	92	92	92	87	96	93	92	845
		24	82	80	83	87	89	94	96	—	—	—	—	—	—	872
		25	—	—	—	—	—	—	—	—	86	93	90	89	78	
		26	73	74	79	80	88	91	93	94	94	94	94	93	77	858
		27	69	70	66	81	84	83	85	97	89	87	87	84	77	810
		28	76	72	81	87	91	94	88	91	90	90	93	86	82	859
		29	79	79	82	85	91	94	93	90	92	91	93	93	88	881
		30	83	80	82	85	89	89	89	90	89	89	88	88	77	857
		31	72	71	68	77	85	82	85	—	—	—	—	—	—	812
		32	—	—	—	—	—	—	—	—	91	91	91	91	70	
Hourly Means		824	794	828	868	902	914	908	906	909	907	903	848	876		
Tension of the Vapour.	OCTOBER.	1	In. .434	In. .434	In. .419	In. .404	In. .416	In. .420	In. .424	In. .416	In. .402	In. .407	In. .404	In. .429	In. .4174	
		2	.437	.437	.433	.432	.408	.418	.404	.431	.406	.404	.412	.422	.4203	
		3	.432	.441	.441	.413	.410	.411	.404	—	—	—	—	—	—	.4123
		4	—	—	—	—	—	—	—	.387	.393	.389	.400	.427		
		5	.406	.424	.452	.450	.449	.457	.444	.458	.458	—	.443	.443	.443	.4440
		6	.475	.446	—	.447	.429	.420	.413	.392	.388	.386	.378	.463	.463	.4215
		7	.463	.471	.469	.468	.384	.384	.384	.380	.398	.398	.389	.388	.388	.4147
		8	.417	.408	.421	.412	.381	.413	.383	.385	.386	.397	.387	.403	.3994	
		9	.417	.442	.442	.456	.417	.448	.428	.396	.394	.399	.406	.425	.4225	
		10	.449	.438	.472	.461	.461	.449	.446	—	—	—	—	—	—	.4518
		11	—	—	—	—	—	—	—	—	.434	.438	.454	.468		
		12	.466	.462	.448	.444	.443	.459	.433	.432	.433	.436	.452	.465	.465	.4477
		13	.481	.467	.458	.462	.453	.437	.450	.408	.413	.425	.461	.492	.492	.4506
		14	.509	.475	.479	.451	.431	.416	.413	.420	.441	.438	.457	.486	.486	.4513
		15	.496	.500	.500	.477	.445	.450	.433	.426	.445	.439	.437	.448	.448	.4580
		16	.470	.459	.458	.438	.437	.440	.441	.423	.422	.419	.430	.445	.445	.4402
		17	.456	.456	.442	.416	.409	.419	.409	—	—	—	—	—	—	.4182
		18	—	—	—	—	—	—	—	.391	.406	.392	.413	.409		
		19	.434	.443	.454	.422	.411	.416	.419	.418	.413	.395	.409	.410	.410	.4203
		20	.428	.449	.449	.442	.410	.432	.404	—	.402	.377	.409	.416	.416	.4198
		21	.442	.454	.449	.435	.439	.456	.436	.438	.458	.433	.428	.457	.457	.4438
		22	.462	.471	.475	.470	.467	.441	.430	.388	.382	.382	.405	.407	.407	.4317
		23	.411	.419	.421	.369	.414	.424	.424	.425	.398	.428	.433	.443	.443	.4174
		24	.449	.446	.434	.437	.417	.438	.428	—	—	—	—	—	—	.4192
		25	—	—	—	—	—	—	—	.388	.395	.356	.418	.425		
		26	.440	.440	.437	.424	.428	.443	.446	.426	.403	.397	.421	.440	.440	.4287
		27	.427	.441	.423	.440	.418	.412	.414	.469	.421	.405	.410	.422	.422	.4252
		28	.433	.444	.460	.448	.452	.456	.424	.432	.425	.446	.415	.441	.441	.4397
		29	.476	.455	.452	.448	.437	.444	.441	.434	.438	.431	.449	.460	.460	.4471
		30	.470	.460	.459	.452	.449	.433	.426	.426	.423	.424	.427	.422	.422	.4392
		31	.442	.444	.420	.431	.436	.417	.423	—	—	—	—	—	—	.4432
		32	—	—	—	—	—	—	—	.485	.473	.456	.468	.424		
Hourly Means		.4490	.4491	.4487	.4389	.4278	.4316	.4231	.4190	.4167	.4114	.4228	.4363	.4313		

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 St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. NOVEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	63	66	63	70	83	87	90	89	88	92	92	78	801
	3	74	71	78	83	87	91	92	91	92	91	87	75	843
	4	75	74	71	77	87	88	91	91	83	84	82	80	819
	5	66	74	67	74	86	88	88	81	81	78	74	74	774
	6	63	57	71	77	86	84	78	81	82	80	80	75	761
	7	73	72	71	73	77	81	83	—	—	—	—	—	—
	8 <sup>a</sup>	—	—	—	—	—	—	—	84	84	84	85	77	787
	9	72	64	72	77	83	80	81	88	86	84	79	78	787
	10	70	67	73	76	85	81	84	83	83	84	82	71	783
	11	72	69	72	88	88	88	89	87	83	79	89	85	824
	12	81	70	75	78	86	86	89	81	86	85	80	83	817
	13	74	78	70	82	88	90	88	87	89	88	87	78	833
	14	77	—	74	82	81	92	91	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	89	87	88	87	77	849
	16	82	73	77	83	88	88	86	87	87	89	87	84	843
	17	80	72	85	—	—	85	95	94	93	91	89	89	873
	18	95	96	91	94	92	91	92	91	91	95	96	96	933
	19	87	79	85	89	91	91	91	92	91	91	94	89	891
	20	85	79	82	86	88	88	89	88	88	89	87	85	861
	21	79	72	80	82	85	88	86	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	94	96	97	97	94	875
	23	89	80	85	90	91	85	88	84	82	86	83	84	856
	24	78	86	84	91	93	94	92	96	92	96	96	95	911
	25	86	85	89	89	90	92	93	95	92	96	95	93	913
	26	95	90	87	93	95	90	97	96	96	97	91	96	936
	27	94	85	81	86	86	94	96	96	96	96	96	89	913
	28	83	90	87	90	93	95	96	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	91	86	94	88	84	898
	30	81	82	87	83	87	91	92	92	92	93	87	83	875
Hourly Means	790	763	783	830	873	883	895	893	882	891	876	837	8464	
Tension of the Vapour. NOVEMBER.	1	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	2	.415	.466	.436	.434	.422	.445	.461	.433	.416	.452	.474	.461	.4429
	3	.469	.463	.479	.464	.447	.465	.454	.450	.454	.439	.441	.443	.4557
	4	.468	.469	.445	.435	.454	.440	.455	.440	.397	.403	.418	.450	.4395
	5	.411	.446	.397	.417	.447	.437	.421	.396	.399	.382	.379	.405	.4114
	6	.402	.393	.425	.430	.454	.419	.388	.398	.405	.390	.399	.416	.4099
	7	.441	.442	.433	.396	.390	.412	.417	—	—	—	—	—	—
	8 <sup>a</sup>	—	—	—	—	—	—	—	.421	.406	.406	.422	.427	.4178
	9	.453	.427	.439	.430	.435	.406	.407	.444	.437	.403	.394	.411	.4243
	10	.425	.422	.438	.436	.441	.398	.408	.404	.407	.396	.398	.394	.4139
	11	.393	.414	.436	.429	.419	.430	.426	.413	.394	.371	.434	.440	.4166
	12	.470	.422	.436	.428	.429	.438	.449	.401	.418	.405	.399	.450	.4288
	13	.438	.447	.432	.455	.450	.448	.444	.416	.434	.419	.417	.412	.4343
	14	.421	—	.418	.438	.408	.447	.432	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	.428	.416	.410	.425	.415	.4235
	16	.450	.436	.440	.435	.445	.433	.424	.423	.424	.428	.437	.438	.4344
	17	.447	.458	.450	—	—	.432	.478	.469	.458	.441	.449	.465	.4547
	18	.502	.500	.492	.487	.455	.441	.450	.428	.432	.467	.467	.486	.4672
	19	.476	.470	.473	.463	.455	.448	.434	.443	.441	.433	.463	.461	.4550
	20	.475	.470	.479	.458	.446	.439	.439	.429	.423	.428	.427	.442	.4463
	21	.458	.450	.455	.442	.435	.447	.433	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	.468	.473	.468	.478	.468	.4563
	23	.474	.474	.479	.472	.465	.420	.432	.410	.395	.407	.407	.443	.4399
	24	.436	.459	.456	.454	.441	.452	.430	.433	.416	.438	.437	.465	.4432
	25	.435	.458	.462	.442	.435	.447	.454	.450	.436	.457	.458	.495	.4524
	26	.507	.493	.485	.486	.463	.450	.462	.456	.463	.463	.444	.513	.4738
	27	.517	.503	.487	.484	.448	.474	.484	.476	.476	.479	.486	.471	.4821
	28	.500	.519	.511	.495	.493	.495	.504	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	.431	.405	.434	.423	.439	.4708
	30	.445	.468	.471	.445	.429	.450	.449	.456	.430	.445	.416	.448	.4460
Hourly Means	.4531	.4570	.4542	.4481	.4419	.4405	.4414	.4331	.4262	.4268	.4317	.4463	.4416	

<sup>a</sup> Omitted in the Hourly Means.

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	DECEMBER.	1	83	67	72	83	88	87	87	89	89	86	87	75	827	
		2	77	72	71	79	85	88	89	88	89	95	85	82	833	
		3	69	72	72	79	88	91	91	92	87	92	93	79	837	
		4	82	77	77	82	86	92	92	92	92	86	83	89	95	861
		5	76	76	77	89	91	89	95	—	—	—	—	—	—	882
		6	—	—	—	—	—	—	—	—	93	93	96	92	91	
		7	80	75	81	87	91	94	95	95	96	96	96	94	89	895
		8	87	80	72	78	87	89	92	92	90	90	88	88	80	851
		9	73	82	76	72	82	86	87	87	88	87	—	81	67	801
		10	67	68	70	78	89	91	91	95	95	95	96	96	94	852
		11	78	82	80	85	91	93	93	93	95	94	96	96	80	886
		12	78	78	71	76	86	86	89	—	—	—	—	—	—	814
		13	—	—	—	—	—	—	—	—	91	89	69	84	80	
		14	89	71	82	80	95	86	86	86	82	88	75	82	94	842
		15	95	93	81	89	92	96	—	—	96	97	96	96	95	933
		16	95	94	91	92	95	96	93	88	88	92	91	94	84	921
		17	80	78	79	81	85	85	86	81	85	85	88	83	82	827
		18	81	71	78	87	91	91	87	91	95	95	—	84	86	865
		19	71	64	79	84	78	83	80	—	—	—	—	—	—	787
		20	—	—	—	—	—	—	—	—	89	86	86	85	59	
		21	70	63	67	80	86	89	86	89	89	89	88	87	76	808
		22	63	63	65	71	87	88	91	91	91	91	90	90	82	810
		23	77	84	88	79	78	89	92	92	92	94	94	91	80	865
		24	79	79	78	78	87	88	91	—	—	—	—	—	—	875
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	95	96	96	96	87	
		26	73	74	65	76	89	90	94	—	—	—	—	—	—	819
		27	—	—	—	—	—	—	—	—	83	86	89	82	82	
		28	65	67	67	80	87	88	83	76	82	82	—	86	81	783
		29	84	73	78	90	95	92	95	95	95	87	87	81	89	872
		30	80	76	75	75	88	87	90	91	91	93	93	92	88	857
		31	81	81	76	87	85	88	90	91	91	91	91	92	89	868
Hourly Means		782	754	757	818	878	893	898	900	903	896	886	831	849		
Tension of the Vapour.	DECEMBER.	1	In. .480	In. .423	In. .447	In. .447	In. .447	In. .420	In. .433	In. .451	In. .442	In. .428	In. .422	In. .414	In. .4378	
		2	.453	.466	.448	.434	.441	.443	.446	.425	.446	.446	.410	.445	.4419	
		3	.428	.441	.444	.447	.463	.468	.457	.460	.427	.457	.457	.452	.463	.4506
		4	.470	.470	.454	.445	.444	.464	.466	.461	.424	.414	.414	.452	.518	.4568
		5	.481	.471	.475	.472	.450	.459	.479	—	—	—	—	—	—	.4657
		6	—	—	—	—	—	—	—	.457	.459	.438	.448	.449	.499	
		7	.492	.477	.484	.476	.471	.482	.481	.476	.462	.440	.440	.463	.459	.4719
		8	.472	.470	.440	.447	.441	.446	.458	.422	.426	.401	.430	.430	.433	.4405
		9	.449	.446	.434	.432	.417	.419	.416	.416	.414	—	.412	.398	.4230	
		10	.407	.458	.451	.454	.471	.480	.476	.478	.493	.500	.492	.506	.506	.4722
		11	.503	.495	.478	.481	.489	.491	.472	.482	.471	.482	.493	.463	.463	.4833
		12	.495	.488	.458	.453	.459	.454	.463	—	—	—	—	—	—	.4542
		13	—	—	—	—	—	—	—	.474	.462	.346	.450	.449	.449	
		14	.474	.456	.499	.439	.491	.454	.457	.423	.454	.382	.435	.494	.494	.4548
		15	.494	.513	.481	.504	.499	.505	—	.495	.498	.490	.504	.489	.489	.4975
		16	.510	.517	.495	.493	.501	.491	.472	.453	.464	.453	.472	.454	.454	.4812
		17	.481	.480	.485	.461	.452	.442	.447	.417	.430	.457	.426	.444	.444	.4518
		18	.460	.456	.468	.487	.469	.468	.450	.471	.469	—	.416	.464	.464	.4616
		19	.446	.423	.467	.458	.403	.437	.420	—	—	—	—	—	—	.4358
		20	—	—	—	—	—	—	—	.465	.441	.434	.455	.381	.381	
		21	.445	.440	.449	.486	.477	.481	.457	.466	.463	.454	.467	.443	.443	.4607
		22	.424	.444	.448	.474	.500	.481	.496	.489	.493	.488	.481	.506	.506	.4770
		23	.474	.513	.513	.489	.419	.477	.495	.485	.488	.484	.481	.476	.476	.4828
		24	.474	.477	.485	.446	.465	.468	.472	—	—	—	—	—	—	.4857
		25 <sup>a</sup>	—	—	—	—	—	—	—	.500	.506	.505	.508	.520	.520	
		26	.504	.503	.472	.483	.510	.515	.518	—	—	—	—	—	—	.4776
		27	—	—	—	—	—	—	—	.428	.431	.466	.435	.466	.466	
		28	.445	.478	.470	.489	.491	.482	.445	.395	.445	—	.448	.467	.467	.4595
		29	.491	.475	.476	.476	.486	.488	.493	.496	.447	.444	.426	.472	.472	.4725
		30	.493	.496	.502	.448	.489	.465	.482	.481	.493	.489	.498	.509	.509	.4871
		31	.502	.515	.483	.507	.466	.482	.490	.491	.482	.482	.498	.515	.515	.4927
Hourly Means		.4712	.4727	.4695	.4665	.4658	.4678	.4656	.4599	.4588	.4513	.4567	.4672	.4645		

<sup>a</sup> Christmas Day.



**METEOROLOGICAL JOURNAL.**

Mean Solar Time. (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.	Göttingen.								
AUGUST.									
D.	H.	D.	H.	°	°				
16	15	16	16	49.1	55.4	Calm.	Fair - - - - -	—	—
16	21	16	22	53.1	59.0	Calm.	.3 blue sky - - - - -	—	—
17	03	17	04	54.0	61.0	Calm.	Nearly overcast - - - - -	—	—
17	09	17	10	56.2	56.5	Calm.	Overcast - - - - -	61.6	—
17	15	17	16	51.0	55.5	Calm.	Overcast - - - - -	—	—
17	21	17	22	52.1	56.2	Calm.	Nearly overcast; height of clouds at 17 <sup>d</sup> 19 <sup>h</sup> and 23 <sup>h</sup> 2200 feet	—	—
18	03	18	04	57.1	59.6	Calm.	Nearly overcast - - - - -	—	—
18	09	18	10	54.5	55.5	Calm.	Nearly overcast; a few stars visible - - - - -	60.5	54.0
18	15	18	16	54.1	54.4	Calm.	Overcast, rain - - - - -	—	94.0
18	21	18	22	52.4	55.8	Calm.	Overcast - - - - -	—	—
19	03	19	04	53.1	60.0	Calm.	.25 blue sky - - - - -	—	—
19	09	19	10	55.0	55.4	Calm.	Overcast, heavy rain - - - - -	60.0	53.3
19	15	19	16	53.0	53.8	Calm.	Clouded - - - - -	—	92.4
19	21	19	22	52.0	55.8	Calm.	Overcast - - - - -	—	—
20	03	20	04	54.5	60.0	Calm.	Nearly overcast - - - - -	—	—
20	09	20	10	54.0	56.2	Light.	Clouded - - - - -	60.5	53.6
20	15	20	16	49.4	54.0	Calm.	Nearly overcast - - - - -	—	98.7
20	21	20	22	52.9	57.4	Light.	Nearly overcast; height of clouds at 21 <sup>h</sup> 2700 feet	—	—
21	03	21	04	52.0	59.5	Light.	Clouded - - - - -	—	—
21	09	21	10	51.4	55.5	Calm.	Overcast - - - - -	60.5	52.2
21	15	21	16	53.0	55.1	Moderate.	Overcast - - - - -	—	84.0
21	21	21	22	56.1	57.3	Light.	Clouded; height of clouds 2000 feet	—	—
22	03	22	04	56.1	56.1	Very light.	Overcast; height of clouds 2000 feet	—	—
22	09	22	10	55.6	56.0	Very light.	Overcast - - - - -	59.5	52.5
SUNDAY.									
23	15	23	16	52.9	54.8	Moderate.	Clouded; heavy rain at 13 <sup>h</sup> and 15 <sup>h</sup> - - - - -	—	—
23	21	23	22	56.0	57.4	Light.	Clouded - - - - -	—	—
24	03	24	04	54.8	58.5	Light.	Clouded; height of clouds at 1 <sup>h</sup> 2200 feet	—	—
24	09	24	10	55.5	55.7	Fresh.	Overcast, rain - - - - -	58.5	53.4
24	15	24	16	50.0	54.4	Moderate.	Clouded - - - - -	—	71.0
24	21	24	02	53.0	56.5	Moderate.	Overcast - - - - -	—	—
25	03	25	04	51.5	58.3	Moderate.	Overcast - - - - -	—	—
25	09	25	10	50.2	55.2	Moderate.	Clouded - - - - -	59.2	53.6
25	15	25	16	51.3	54.2	Moderate.	Overcast - - - - -	—	77.5
25	21	25	22	52.0	55.3	Moderate.	Overcast; height of clouds at 23 <sup>h</sup> 2700 feet, at 1 <sup>h</sup> and 2 <sup>h</sup> 1800 feet - - - - -	—	51.9
26	03	26	04	55.0	57.1	Light.	Overcast, heavy showers at 1 <sup>h</sup> ; height of clouds 2400 feet	—	—
26	09	26	10	54.0	54.5	Light.	Overcast - - - - -	57.6	52.0
26	15	26	16	51.1	54.5	Very light.	Overcast - - - - -	—	—
26	21	26	22	51.3	57.6	Very light.	Nearly overcast - - - - -	—	—
27	03	27	04	53.1	59.7	Very light.	Overcast - - - - -	60.8	51.6
27	09	27	10	54.3	55.2	Calm.	Nearly overcast - - - - -	—	—
27	15	27	16	51.0	54.8	Very light.	Overcast - - - - -	—	—
27	21	27	22	51.5	57.3	Very light.	Nearly overcast - - - - -	—	—
28	03	28	04	51.1	59.7	Very light.	Overcast - - - - -	60.0	53.0
28	09	28	10	54.5	55.5	Calm.	Overcast - - - - -	—	—
28	15	28	16	51.5	54.0	Very light.	Overcast; height of clouds at 17 <sup>h</sup> 1900 feet	—	—
28	21	28	22	53.1	55.5	Calm.	Clear; .25 blue sky; height of clouds at 23 <sup>h</sup> 2400 feet	—	—
29	03	29	04	55.0	58.8	Calm.	Overcast; height of clouds 2000 feet, at 5 <sup>h</sup> 2300 feet	—	—
29	09	29	10	54.0	55.5	Light.	Nearly overcast - - - - -	60.0	54.0
SUNDAY.									
30	15	30	16	53.8	54.7	Very light.	Overcast - - - - -	—	—
30	21	30	22	53.1	55.2	Light.	Overcast; height of clouds 2000 feet	—	—
31	03	31	04	54.5	59.3	Very light.	Overcast, rain; height of clouds at 1 <sup>h</sup> 2200 feet, at 3 <sup>h</sup> 1900 feet	—	—
31	09	31	10	53.1	55.6	Light.	Heavily overcast - - - - -	60.7	51.5
31	15	31	16	52.0	52.8	Very light.	Nearly overcast, drizzling rain - - - - -	—	89.5
31	21	31	22	52.6	55.9	Light.	Overcast - - - - -	—	—
SEPTEMBER.									
1	03	1	04	56.5	58.7	Very light.	Overcast - - - - -	—	—
1	09	1	10	54.6	56.0	Light.	Overcast - - - - -	60.9	52.5
1	15	1	16	54.0	54.5	Very light.	Nearly overcast - - - - -	—	—
1	21	1	22	54.6	55.5	Moderate.	Heavy rain - - - - -	—	—

Mean Solar Time (Astronom <sup>l</sup> . Reck <sup>d</sup> .)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr <sup>l</sup> . Rad.
St. Helena.	Göttingen.								
SEPTEMBER.									
D.	H.	D.	H.	°	°				
2	03	2	04	55.1	60.0	Moderate.	Overcast	-	-
2	09	2	10	54.1	54.1	Very light.	Clear	-	-
2	15	2	16	54.3	55.0	Calm.	Overcast, heavy rain	-	-
2	21	2	22	57.0	57.7	Very light.	Overcast; height of clouds at 19 <sup>h</sup> 2100 feet, at 21 <sup>h</sup> 2000 feet	-	-
3	03	3	04	55.4	61.7	Calm.	Clouded	-	-
3	09	3	10	55.4	57.1	Calm.	Clouded	-	-
3	15	3	16	55.5	56.5	Calm.	Overcast, heavy dew	-	-
3	21	3	22	57.9	59.3	Calm.	Overcast; height of clouds at 21 <sup>h</sup> 1900, at 23 <sup>h</sup> 2300 feet	-	-
4	03	4	04	59.0	61.5	Calm.	Overcast; height of clouds at 5 <sup>h</sup> 2400 feet	-	-
4	09	4	10	57.0	57.7	Calm.	Overcast, drizzling rain	-	-
4	15	4	16	55.1	55.7	Light.	Clouded	-	-
4	21	4	22	58.2	58.2	Very light.	Overcast, heavy rain; height of clouds 1500 feet	-	-
5	03	5	04	57.1	59.4	Light.	Overcast; height of clouds 2200 feet	-	-
5	09	5	10	56.0	56.7	Light.	Nearly overcast	-	-
SUNDAY.									
6	15	6	16	54.0	55.5	Moderate.	Overcast; very dark	-	-
6	21	6	22	56.0	56.2	Light.	Overcast, rain; height of clouds 1800 feet, at 19 <sup>h</sup> 2300 feet	-	-
7	03	7	04	56.2	57.3	Light.	Overcast, drizzling rain; height of clouds 2300 feet, at 5 <sup>h</sup> 2600 feet	-	-
7	09	7	10	54.8	55.4	Moderate.	Overcast, drizzling rain	-	-
7	15	7	16	53.4	54.6	Moderate.	Wind in gusts; rain	-	-
7	21	7	22	54.5	56.5	Light.	Overcast; height of clouds 2300 feet	-	-
8	03	8	04	57.1	58.4	Moderate.	Clouded; height of clouds 2200 feet	-	-
8	09	8	10	55.0	55.5	Moderate.	Overcast, rain	-	-
8	15	8	16	53.4	55.2	Fresh.	Wind in gusts	-	-
8	21	8	22	55.0	56.6	Moderate.	Overcast; height of clouds 2400 feet	-	-
9	03	9	04	55.3	58.3	Moderate.	Overcast; height of clouds 2700 feet	-	-
9	09	9	10	55.2	55.4	Fresh.	Wind in gusts; overcast, rain	-	-
9	15	9	16	53.1	54.2	Light.	Rain; station in a cloud	-	-
9	21	9	22	56.0	56.4	Moderate.	Overcast; height of clouds 1800 feet	-	-
10	03	10	04	56.4	57.5	Light.	Overcast; height of clouds 2000 feet; at 1 <sup>h</sup> 2600 feet	-	-
10	09	10	10	55.1	55.2	Light.	Completely overcast; heavy rain; height of clouds at 7 <sup>h</sup> 1500 feet	-	-
10	15	10	16	—	53.6	Light.	Overcast; rain	-	-
10	21	10	22	52.7	55.4	Light.	Nearly overcast	-	-
11	03	11	04	54.5	58.9	Light.	Nearly overcast	-	-
11	09	11	10	53.0	55.6	Light.	Overcast	-	-
11	15	11	16	50.1	54.0	Light.	Overcast	-	-
11	21	11	22	52.1	56.2	Very light.	Nearly overcast, haze	-	-
12	03	12	04	56.2	58.4	Very light.	Overcast; height of clouds 2600 feet, at 1 <sup>h</sup> 2400 feet, and at 5 <sup>h</sup> 2000 feet	-	-
12	09	12	10	54.8	55.1	Light.	Completely overcast; rain	-	-
SUNDAY.									
13	15	13	16	54.1	55.5	Very light.	Overcast	-	-
13	21	13	22	55.0	56.6	Light.	Overcast	-	-
14	03	14	04	56.1	61.0	Light.	Overcast; height of clouds 2500 feet	-	-
14	09	14	10	53.1	55.6	Light.	Completely overcast; very dark	-	-
14	15	14	16	53.4	55.1	Light.	Overcast	-	-
14	21	14	22	54.2	58.2	Light.	Bright sun	-	-
15	03	15	04	56.1	59.9	Light.	Sun at intervals; height of clouds 2600 feet	-	-
15	09	15	10	54.1	56.0	Light.	Overcast	-	-
15	15	15	16	52.5	55.0	Light.	Overcast	-	-
15	21	15	22	53.1	57.6	Light.	Clear	-	-
16	03	16	04	56.0	61.6	Light.	Clear; height of clouds at 5 <sup>h</sup> 2400 feet	-	-
16	09	16	10	54.0	55.7	Light.	Overcast; rain since 7 <sup>h</sup>	-	-
16	15	16	16	54.1	54.9	Light.	Overcast; height of clouds 2200 feet	-	-
16	21	16	22	52.1	56.3	Light.	Overcast; drizzling rain since 17 <sup>h</sup>	-	-
17	03	17	04	56.6	60.3	Light.	Clear; height of clouds 1700 feet	-	-
17	09	17	10	54.1	55.5	Light.	Rain	-	-
17	15	17	16	55.0	55.0	Light.	Overcast; heavy rain since 9 <sup>h</sup>	-	-
17	21	17	22	57.0	57.1	Light.	Overcast; height of clouds 1500 feet	-	-



Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.	Gottingen.								
SEPTEMBER.									
D.	H.	D.	H.	°	°				
18	03	18	04	57.1	59.3				
18	09	18	10	55.1	55.1	Very light.	Completely overcast; height of clouds 2000 feet		
18	15	18	16	—	54.8	Light.	Generally overcast	61.0	53.2
18	21	18	22	56.1	56.4	Light.	Heavy rain at 13 <sup>h</sup> 30 <sup>m</sup>		83.0
19	03	19	04	57.0	57.3	Light.	Rain; height of clouds 1900 feet		
19	09	19	10	55.5	55.6	Light.	Drizzling rain; height of clouds 1600 feet, at 5 <sup>h</sup> 1800 feet		
						Light.	Completely overcast; heavy rain	58.2	53.4
SUNDAY.									
20	15	20	16	54.3	54.6	Light.	Overcast	—	—
20	21	20	22	56.2	58.0	Light.	Overcast, drizzling rain; height of clouds 2000 feet, at 19 <sup>h</sup> 2400 feet		
21	03	21	04	57.0	58.7	Light.	Sun at intervals; height of clouds 2400 feet		
21	09	21	10	53.9	55.1	Light.	Clouded	59.3	53.0
21	15	21	16	53.1	55.0	Light.	Generally overcast		81.0
21	21	21	22	55.9	56.2	Light.	Overcast; height of clouds 2000 feet		
22	03	22	04	54.6	56.7	Light.	Overcast; height of clouds 2400 feet		
22	09	22	10	54.0	54.6	Light.	Overcast	57.6	53.5
22	15	22	16	49.5	53.7	Light.	Completely overcast		
22	21	22	22	53.1	56.7	Light.	.3 blue sky		
23	03	23	04	54.0	61.3	Light.	.4 blue sky		
23	09	23	10	51.3	55.5	Light.	Clouded; occasional breaks	61.8	54.4
23	15	23	16	49.8	54.5	Light.	Overcast		84.0
23	21	23	22	50.3	55.4	Light.	Wind in gusts; nearly overcast		
24	03	24	04	55.0	60.5	Light.	Clear		
24	09	24	10	53.0	54.7	Moderate.	Overcast; light rain	61.0	52.7
24	15	24	16	51.9	54.0	Light.	Overcast		84.4
24	21	24	22	53.5	55.7	Light.	Nearly overcast; height of clouds 2500 feet, at 19 <sup>h</sup> 1800 feet		
25	03	25	04	56.1	58.6	Light.	Overcast; height of clouds 2200 feet, at 1 <sup>h</sup> 2000 feet		
25	09	25	10	53.0	55.5	Light.	Overcast; very dark	60.0	52.8
25	15	25	16	54.5	55.3	Light.	Overcast; drizzling rain		84.0
25	21	25	22	56.1	57.7	Light.	Overcast; drizzling rain; height of clouds 2000 feet		
26	03	26	04	57.0	59.0	Light.	Overcast; height of clouds 2600 feet	62.1	52.0
26	09	26	10	55.0	55.5	Light.	Overcast		84.3
SUNDAY.									
27	15	27	16	52.2	55.0	Light.	Overcast	—	—
27	21	27	22	55.7	57.3	Very light.	Overcast; height of clouds 2100 feet		
28	03	28	04	57.5	60.0	Light.	Overcast; height of clouds 2000 feet, at 1 <sup>h</sup> 2500 feet		
28	09	28	10	54.5	56.4	Light.	Overcast	61.0	53.2
28	15	28	16	53.0	55.5	Very light.	Completely overcast		75.2
28	21	28	22	54.1	58.7	Very light.	Clouded; height of clouds 2000 feet, at 2 <sup>h</sup> 2600 feet		
29	03	29	04	56.2	62.1	Very light.	Blue sky; height of clouds at 1 <sup>h</sup> 2700 feet, at 3 <sup>h</sup> 2400 feet, and at 5 <sup>h</sup> 2300 feet		
29	09	29	10	55.2	56.2	Very light.	Overcast	62.4	53.6
29	15	29	16	54.0	54.8	Very light.	Overcast		90.0
29	21	29	22	56.1	59.4	Very light.	.4 blue sky; height of clouds 2600 feet		
30	03	30	04	54.2	61.2	Very light.	.2 blue sky; height of clouds 2500 feet		
30	09	30	10	54.8	55.8	Light.	Overcast	62.0	53.6
30	15	30	16	54.6	55.0	Light.	Completely overcast		91.0
30	21	30	22	57.0	58.6	Light.	.9 blue sky; height of clouds 2700 feet		
OCTOBER.									
1	03	1	04	57.0	62.7	Light.	Clouded; height of clouds 2400 feet		
1	09	1	10	55.9	56.4	Very light.	Overcast	63.3	53.2
1	15	1	16	53.6	55.4	Very light.	Overcast		99.0
1	21	1	22	57.8	60.3	Very light.	.2 blue sky		
2	03	2	04	57.6	63.5	Calm.	.8 blue sky; height of clouds at 5 <sup>h</sup> 2500 feet		
2	09	2	10	56.8	57.1	Light.	Completely overcast	64.1	53.0
2	15	2	16	54.2	56.4	Light.	Completely overcast		104.0
2	21	2	22	57.1	58.9	Very light.	Overcast; height of clouds 2500 feet		
3	03	3	04	58.2	63.7	Calm.	Overcast; height of clouds 2200 feet		
3	09	3	10	55.6	57.7	Very light.	Overcast	64.0	54.1

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terri. Rad.
St. Helena.	Göttingen.								
OCTOBER.									
SUNDAY.									
D.	H.	D.	H.						
4	15	4	16	54.1	55.0	Very light.	Completely overcast	—	—
4	21	4	22	56.3	59.7	Light.	.3 blue sky; height of clouds 2400 feet	—	—
5	03	5	04	58.1	61.8	Light.	Clouded; height of clouds 2300 feet	—	—
5	09	5	10	56.4	58.0	Light.	Nearly overcast	63.0	55.1
5	15	5	16	57.1	57.8	Light.	Overcast	—	—
5	21	5	22	60.4	61.0	Light.	Overcast, light rain; height of clouds 2000 feet	—	—
6	03	6	04	58.1	61.4	Light.	Nearly overcast	—	—
6	09	6	10	56.2	57.0	Light.	Overcast	63.8	55.0
6	15	6	16	53.2	55.9	Light.	Occasionally clear	—	—
6	21	6	22	55.6	58.5	Light.	Nearly overcast	—	—
7	03	7	04	55.0	61.4	Very light.	Blue sky; height of clouds 2600 feet	—	—
7	09	7	10	54.1	56.5	Very light.	Overcast	62.2	56.3
7	15	7	16	54.3	55.8	Light.	Overcast	—	—
7	21	7	22	54.1	60.0	Very light.	.8 blue sky	—	—
8	03	8	04	56.0	61.0	Very light.	Overcast; height of clouds 2500 feet	—	—
8	09	8	10	53.0	57.0	Light.	Clouded	63.2	54.6
8	15	8	16	54.0	55.8	Light.	Overcast	—	—
8	21	8	22	54.1	59.0	Light.	Overcast; height of clouds 2700 feet	—	—
9	03	9	04	57.0	62.3	Light.	Clouded	—	—
9	09	9	10	57.1	57.7	Light.	Overcast	64.5	54.0
9	15	9	16	53.6	56.8	Light.	Overcast	—	—
9	21	9	22	56.8	59.5	Light.	Overcast; height of clouds 2600 feet	—	—
10	03	10	04	58.3	59.5	Light.	Drizzling rain	—	—
10	09	10	10	56.3	57.0	Light.	Overcast; drizzling rain	61.7	55.0
SUNDAY.									
11	15	11	16	56.3	56.6	Very light.	Overcast; height of clouds 1900 feet	—	—
11	21	11	22	57.8	58.0	Light.	Clouded; rain	—	—
12	03	12	04	58.6	61.1	Light.	Overcast; height of clouds 2000 feet	—	—
12	09	12	10	57.0	57.1	Light.	Clouded; heavy rain	61.3	54.7
12	15	12	16	55.4	56.0	Very light.	Overcast; light rain	—	—
12	21	12	22	57.3	57.7	Very light.	Overcast; height of clouds 1600 feet	—	—
13	03	13	04	57.6	59.6	Light.	Overcast; drizzling rain; height of clouds 2000 feet	—	—
13	09	13	10	57.0	57.1	Light.	Completely overcast	61.2	55.1
13	15	13	16	55.3	56.4	Light.	Overcast	—	—
13	21	13	22	59.1	59.2	Light.	Overcast; height of clouds 1800 feet	—	—
14	03	14	04	58.6	59.2	Light.	Overcast; height of clouds 1500 feet	—	—
14	09	14	10	55.1	56.4	Light.	Overcast	60.5	56.1
14	15	14	16	56.1	56.5	Light.	Overcast; drizzling rain	—	—
14	21	14	22	58.1	58.0	Light.	Overcast	—	—
15	03	15	04	60.0	60.8	Light.	Wet fog with occasional showers	—	—
15	09	15	10	56.3	57.1	Light.	Drizzling rain	60.8	54.0
15	15	15	16	—	56.7	Very light.	Rain	—	—
15	21	15	22	57.1	58.3	Light.	Overcast; height of clouds 2000 feet	—	—
16	03	16	04	58.4	61.6	Light.	Blue sky; height of clouds 2400 feet	—	—
16	09	16	10	56.0	57.0	Light.	Overcast	63.6	54.6
16	15	16	16	55.0	55.5	Light.	Completely overcast; light rain	—	—
16	21	16	22	56.1	57.0	Light.	Overcast	—	—
17	03	17	04	58.1	60.2	Very light.	Overcast; height of clouds 2600 feet	—	—
17	09	17	10	56.0	56.5	Very light.	Overcast, light rain	60.4	55.0
SUNDAY.									
18	15	18	16	55.3	56.2	Light.	Overcast	—	—
18	21	18	22	55.1	58.5	Light.	Overcast	—	—
19	03	19	04	56.8	59.2	Very light.	Completely overcast	—	—
19	09	19	10	56.1	56.7	Light.	Completely overcast; light rain	61.2	54.8
19	15	19	16	54.8	55.8	Very light.	Overcast	—	—
19	21	19	22	54.6	58.6	Light.	Completely overcast; height of clouds 2600 feet	—	—
20	03	20	04	57.1	59.0	Light.	Drizzling rain; height of clouds 2000 feet	—	—
20	09	20	10	56.3	56.7	Light.	Overcast	60.8	54.7
20	15	20	16	55.1	56.1	Very light.	Overcast	—	—
20	21	20	22	56.1	57.9	Very light.	Overcast; height of clouds 2300 feet	—	—

Mean Solar Time. (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.	Göttingen.								
OCTOBER.									
D.	H.	D.	H.	°	°				
21	03	21	04	57.8	59.0	Light.	Rain - - - - -	°	°
21	09	21	10	55.8	56.2	Very light.	Overcast; rain - - - - -		
21	15	21	16	55.0	55.6	Very light.	Overcast; rain - - - - -	62.1	54.7
21	21	21	22	56.9	57.3	Light.	Overcast; height of clouds 2100 feet - - - - -		82.0
22	03	22	04	58.4	59.4	Light.	Overcast; height of clouds 1800 feet - - - - -		
22	09	22	10	54.8	55.6	Light.	Overcast - - - - -		
22	15	22	16	52.1	55.5	Very light.	Overcast - - - - -	61.6	54.6
22	21	22	22	56.1	60.3	Very light.	Occasionally gleams of sun - - - - -		89.0
23	03	23	04	56.0	64.2	Very light.	Clouded - - - - -		
23	09	23	10	56.0	57.4	Very light.	Overcast; light rain - - - - -		
23	15	23	16	55.0	56.5	Very light.	Overcast - - - - -	64.5	54.0
33	21	23	22	57.1	58.0	Very light.	Overcast; height of clouds 1900 feet - - - - -		92.0
24	03	24	04	58.8	60.6	Very light.	Overcast; height of clouds 2200 feet, at 1 <sup>h</sup> 2400 feet - - - - -		
24	09	24	10	56.6	57.0	Calm.	Overcast; drizzling rain - - - - -	61.6	54.4
SUNDAY.									
25	15	25	16	53.9	55.0	Calm.	Clear - - - - -		
25	21	25	22	56.1	61.2	Calm.	Clear - - - - -		
26	03	26	04	57.8	62.2	Calm.	Clouded - - - - -		
26	09	26	10	57.1	58.5	Very light.	Overcast - - - - -		
26	15	26	16	53.2	55.5	Calm.	Nearly cloudless - - - - -	64.7	54.3
26	21	26	22	56.7	61.4	Calm.	Clear - - - - -		118.0
27	03	27	04	58.6	66.8	Very light.	Clear; height of clouds at 5 <sup>h</sup> 2500 feet - - - - -		46.6
27	09	27	10	56.0	59.0	Very light.	Overcast - - - - -		
27	15	27	16	56.2	57.5	Calm.	Clouded - - - - -	66.9	52.5
27	21	27	22	57.6	60.8	Calm.	Overcast - - - - -		109.0
28	03	28	04	60.8	62.8	Very light.	Overcast; height of clouds 2000 feet, at 1 <sup>h</sup> 2500 feet - - - - -		46.4
28	09	28	10	56.6	58.0	Very light.	Clouded - - - - -		
28	15	28	16	56.3	57.5	Very light.	Overcast - - - - -	64.9	53.0
28	21	28	22	57.3	60.7	Very light.	Overcast - - - - -		82.0
29	03	29	04	57.0	62.5	Very light.	Overcast; height of clouds 2400 feet, at 1 <sup>h</sup> 2200 feet - - - - -		
29	09	29	10	56.1	57.5	Light.	Clear - - - - -	64.0	55.7
29	15	29	16	56.8	57.6	Light.	Overcast - - - - -		90.2
29	21	29	22	59.3	60.3	Very light.	Overcast; height of clouds 2200 feet - - - - -		
30	03	30	04	58.6	63.0	Very light.	Overcast - - - - -		
30	09	30	10	56.6	58.3	Very light.	Clouded - - - - -	64.0	56.3
30	15	30	16	55.2	57.6	Very light.	Overcast - - - - -		85.0
30	21	30	22	56.1	61.7	Very light.	Nearly overcast - - - - -		
31	03	31	04	57.5	66.6	Very light.	Clear - - - - -		
31	09	31	10	55.9	59.3	Very light.	Clouded - - - - -	67.0	55.8
NOVEMBER.									
SUNDAY.									
1	15	1	16	58.8	59.8	Calm.	Completely overcast - - - - -		56.2
1	21	1	22	56.1	65.1	Calm.	Clear; height of clouds 2000 feet - - - - -		99.0
2	03	2	04	59.3	69.4	Very light.	Perfectly cloudless - - - - -		
2	09	2	10	56.6	59.1	Very light.	Clear - - - - -	69.4	56.2
2	15	2	16	55.1	57.0	Light.	Perfectly cloudless - - - - -		94.0
2	21	2	22	60.6	64.4	Very light.	Nearly overcast; height of clouds 2000 feet - - - - -		55.0
3	03	3	04	60.4	65.4	Light.	Overcast; height of clouds 2400 feet - - - - -		
3	09	3	10	..	59.0	Light.	Clouded - - - - -	67.7	57.7
3	15	3	16	56.8	58.4	Light.	Completely overcast - - - - -		
3	21	3	22	57.0	64.6	Light.	.2 blue sky; height of clouds at 19 <sup>h</sup> 2400 ft., at 23 <sup>h</sup> 2600 ft. - - - - -		
4	03	4	04	58.1	66.8	Light.	.3 blue sky - - - - -		
4	09	4	10	57.0	58.8	Light.	Clear - - - - -	67.0	55.6
4	15	4	16	53.1	58.1	Very light.	Overcast - - - - -		
4	21	4	22	59.0	62.4	Very light.	Clouded - - - - -		
5	03	5	04	55.0	64.9	Very light.	.3 blue sky; height of clouds at 1 <sup>h</sup> 2600 feet - - - - -		
5	09	5	10	57.1	58.4	Very light.	Clouded; clear at intervals - - - - -	66.0	56.9
5	15	5	16	53.1	58.3	Light.	Overcast - - - - -		
5	21	5	22	55.7	61.9	Very light.	Overcast - - - - -		

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.	Göttingen.								
NOVEMBER.									
D. H.	D. H.	°	°						
6 03	6 04	56.6	65.2	Very light.	Clouded - - - - -	°	°	°	°
6 09	6 10	57.1	58.5	Very light.	Overcast - - - - -	67.5	56.7	—	—
6 15	6 16	54.2	58.5	Very light.	Completely overcast - - - - -				
6 21	6 22	55.3	61.9	Very light.	• 1 blue sky - - - - -				
7 03	7 04	58.1	65.2	Very light.	Nearly overcast - - - - -	66.2	56.6	—	—
7 09	7 10	56.4	59.5	Light.	Overcast - - - - -				
SUNDAY.									
8 15	8 16	53.6	57.9	Very light.	Overcast; height of clouds 2300 feet - - - - -	—	—	—	—
8 21	8 22	56.8	62.2	Light.	Overcast - - - - -				
9 03	9 04	58.9	66.0	Calm.	Overcast; height of clouds at 5 <sup>h</sup> 2600 feet - - - - -	68.4	56.6	—	—
9 09	9 10	56.6	59.6	Light.	Overcast - - - - -				
9 15	9 16	57.1	58.9	Very light.	Overcast - - - - -				
9 21	9 22	56.1	60.8	Very light.	Overcast - - - - -	67.1	56.5	—	—
10 03	10 04	57.1	65.2	Very light.	Overcast - - - - -				
10 09	10 10	54.2	59.3	Light.	Nearly overcast - - - - -	66.2	56.3	—	—
10 15	10 16	55.6	58.3	Very light.	Overcast - - - - -				
10 21	10 22	54.0	62.3	Very light.	Overcast - - - - -	66.0	55.1	—	—
11 03	11 04	59.1	65.6	Very light.	Nearly overcast; height of clouds at 5 <sup>h</sup> 1800 feet - - - - -				
11 09	11 10	56.8	58.3	Very light.	Nearly overcast - - - - -	66.7	56.0	—	—
11 15	11 16	51.9	57.6	Very light.	Overcast - - - - -				
11 21	11 22	56.6	60.0	Very light.	Completely overcast; height of clouds 2400 feet - - - - -	65.6	56.2	—	—
12 03	12 04	57.2	64.4	Very light.	Nearly overcast - - - - -				
12 09	12 10	57.9	59.0	Light.	Very dark; a few drops of rain - - - - -	67.0	55.6	—	—
12 15	12 16	56.6	58.0	Light.	Overcast - - - - -				
12 21	12 22	59.0	61.8	Very light.	Overcast; height of clouds 2500 feet - - - - -	66.7	56.0	—	—
13 03	13 04	59.1	66.0	Light.	Clouded; height of clouds at 1 <sup>h</sup> 1800 feet, at 5 <sup>h</sup> 2600 feet - - - - -				
13 09	13 10	56.1	59.3	Light.	Completely overcast - - - - -	66.7	56.0	—	—
13 15	13 16	56.2	57.8	Light.	Overcast; drizzling rain - - - - -				
13 21	13 22	56.4	60.7	Light.	Overcast - - - - -	65.6	56.2	—	—
14 03	14 04	56.3	63.4	Very light.	Overcast with haze - - - - -				
14 09	14 10	56.8	58.0	Light.	Overcast; drizzling rain - - - - -	—	—	—	—
SUNDAY.									
15 15	15 16	56.1	57.8	Light.	Overcast - - - - -	67.0	55.6	—	—
15 21	15 22	54.6	61.6	Light.	Overcast - - - - -				
16 03	16 04	59.6	64.1	Light.	Overcast with haze; height of clouds 2000 feet - - - - -	66.7	56.0	—	—
16 09	16 10	56.8	58.6	Light.	Overcast - - - - -				
16 15	16 16	55.4	58.2	Very light.	Overcast - - - - -	62.6	57.0	—	—
16 21	16 22	58.1	60.6	Light.	Overcast; height of clouds 2400 feet - - - - -				
17 03	17 04	57.0	63.0	Very light.	Overcast; height of clouds 2400 feet - - - - -	64.7	57.3	—	—
17 09	17 10	57.1	59.6	Light.	Overcast - - - - -				
17 15	17 16	57.1	58.5	Light.	Completely overcast - - - - -	65.5	56.4	—	—
17 21	17 22	58.1	60.4	Light.	Overcast with haze - - - - -				
18 03	18 04	60.0	62.5	Light.	Overcast - - - - -	66.7	56.6	—	—
18 09	18 10	58.0	58.6	Light.	Completely overcast - - - - -				
18 15	18 16	56.2	57.7	Light.	Overcast; drizzling rain - - - - -	65.0	57.5	—	—
18 21	18 22	58.6	59.3	Light.	Drizzling rain - - - - -				
19 03	19 04	59.1	62.5	Very light.	Overcast; drizzling rain; height of clouds 1800 feet - - - - -	64.7	57.3	—	—
19 09	19 10	57.3	58.6	Light.	Very dark; drizzling rain - - - - -				
19 15	19 16	56.8	58.0	Very light.	Overcast - - - - -	66.7	56.6	—	—
19 21	19 22	58.8	60.2	Very light.	Completely overcast; height of clouds 1700 feet - - - - -				
20 03	20 04	59.4	64.2	Very light.	Overcast; height of clouds 2000 feet - - - - -	65.5	56.4	—	—
20 09	20 10	57.1	59.2	Very light.	Overcast - - - - -				
20 15	20 16	54.4	57.9	Light.	Completely overcast - - - - -	66.7	56.6	—	—
20 21	20 22	58.6	60.7	Very light.	Overcast; height of clouds 2500 feet - - - - -				
21 03	21 04	59.0	63.7	Very light.	Overcast; height of clouds 2400 feet - - - - -	65.0	57.5	—	—
21 09	21 10	57.5	59.5	Light.	Overcast - - - - -				
SUNDAY.									
22 15	22 16	57.8	59.0	Light.	Completely overcast; rain - - - - -	—	—	—	—
22 21	22 22	59.3	59.7	Light.	Overcast; height of clouds 2500 feet - - - - -				
23 03	23 04	59.8	63.2	Light.	Overcast; height of clouds 2000 feet - - - - -	65.0	57.5	—	—
23 09	23 10	56.5	58.7	Light.	Completely overcast - - - - -				
23 15	23 16	54.1	57.8	Light.	Overcast - - - - -	65.0	57.5	—	—
23 21	23 22	57.0	60.6	Light.	Overcast; rain - - - - -				

Mean Solar Time (Astronom'. Reckg.)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terri- Rad.
St. Helena.	Göttingen.								
NOVEMBER.									
D.	H.	D.	H.	°	°				
24	03	24	04	59.1	61.7				
24	09	24	10	56.3	57.6				
24	15	24	16	55.1	56.1				
24	21	24	22	58.1	58.6				
25	03	25	04	58.1	60.0				
25	09	25	10	57.1	58.3				
25	15	25	16	56.1	57.4				
25	21	25	22	59.8	60.8				
26	03	26	04	59.3	62.6				
26	09	26	10	57.1	58.6				
26	15	26	16	57.2	57.6				
26	21	26	22	60.4	61.2				
27	03	27	04	61.4	65.7				
27	09	27	10	58.8	59.2				
27	15	27	16	58.1	58.6				
27	21	27	22	57.7	62.9				
28	03	28	04	61.6	64.2				
28	09	28	10	59.6	60.1				
SUNDAY.									
29	15	29	16	54.8	57.6				
29	21	29	22	58.1	60.6				
30	03	30	04	58.1	62.1				
30	09	30	10	57.1	58.4				
30	15	30	16	56.1	57.4				
30	21	30	22	59.1	61.0				
DECEMBER.									
1	03	1	04	59.1	66.0				
1	09	1	10	56.8	58.4				
1	15	1	16	57.5	58.7				
1	21	1	22	57.6	62.1				
2	03	2	04	60.4	67.2				
2	09	2	10	57.3	59.3				
2	15	2	16	57.5	58.5				
2	21	2	22	57.9	61.7				
3	03	3	04	59.1	66.4				
3	09	3	10	58.1	60.0				
3	15	3	16	57.0	58.6				
3	21	3	22	57.6	64.1				
4	03	4	04	58.6	64.6				
4	09	4	10	58.0	59.2				
4	15	4	16	56.0	58.6				
4	21	4	22	60.1	61.4				
5	03	5	04	61.1	66.2				
5	09	5	10	58.4	59.6				
SUNDAY.									
6	15	6	16	57.8	58.5				
6	21	6	22	60.6	62.0				
7	03	7	04	61.5	65.2				
7	09	7	10	59.0	60.1				
7	15	7	16	58.0	58.2				
7	21	7	22	59.4	60.7				
8	03	8	04	58.2	66.4				
8	09	8	10	58.1	59.0				
8	15	8	16	56.8	57.5				
8	21	8	22	56.9	61.8				
9	03	9	04	58.3	64.0				
9	09	9	10	56.6	58.5				
9	15	9	16	55.0	57.6				
9	21	9	22	54.8	63.9				
10	03	10	04	60.0	68.0				
10	09	10	10	59.1	60.5				
10	15	10	16	59.6	60.1				
10	21	10	22	61.2	63.5				

Mean Solar Time. (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.	Göttingen.								
DECEMBER.									
D.	H.	D.	H.						
11	03	11	04	61.5	65.1	Very light.	Occasionally clear ; height of clouds 1900 feet		
11	09	11	10	59.3	60.6	Light.	Completely overcast	67.0	55.7
11	15	11	16	58.1	59.0	Light.	Overcast ; height of clouds 2000 feet		
11	21	11	22	59.6	63.7	Light.	Occasionally clear ; height of clouds 2700 feet		
12	03	12	04	59.1	67.6	Very light.	Occasionally clear ; height of clouds at 1 <sup>h</sup> 2400 feet, at 5 <sup>h</sup> 2600 feet		
12	09	12	10	58.2	60.2	Light.	Clouded	67.6	58.3
SUNDAY.									
13	15	12	16	58.1	59.8	Very light.	Overcast		
13	21	12	22	58.6	62.7	Light.	Overcast ; height of clouds 2500 feet		
14	03	14	04	60.1	65.8	Very light.	Overcast ; height of clouds 2700 feet		
14	09	14	10	58.1	60.2	Very light.	Overcast	67.6	57.5
14	15	14	16	58.1	59.9	Very light.	Overcast		
14	21	14	22	59.8	60.6	Very light.	Overcast		
15	03	15	04	59.7	64.6	Very light.	3 blue sky ; height of clouds 2700 feet		
15	09	15	10	59.3	60.6	Light.	Overcast	64.6	57.6
15	15	15	16	59.1	59.8	Very light.	Overcast		
15	21	15	22	59.4	60.0	Very light.	Rain		
16	03	16	04	59.6	61.7	Light.	Overcast ; height of clouds 1900 feet		
16	09	16	10	59.0	59.6	Very light.	Overcast	62.5	57.7
16	15	16	16	58.1	59.0	Light.	Overcast ; drizzling rain		
16	21	16	22	59.1	62.1	Very light.	Overcast		
17	03	17	04	61.2	65.7	Very light.	Overcast ; height of clouds 2600		
17	09	17	10	59.1	60.4	Light.	Overcast	67.8	58.3
17	15	17	16	57.1	59.6	Very light.	Overcast		
17	21	17	22	58.0	61.2	Light.	Overcast ; height of clouds at 23 <sup>h</sup> 2600 feet		
18	03	18	04	59.6	65.1	Very light.	Overcast ; height of clouds 2400 feet		
18	09	18	10	58.6	60.0	Very light.	Overcast	66.7	57.3
18	15	18	16	58.0	58.6	Light.	Occasional gleams		
18	21	18	22	59.6	61.4	Light.	Overcast		
19	03	19	04	59.2	64.5	Light.	Overcast	67.7	57.7
19	09	19	10	58.9	60.5	Light.	Overcast		
SUNDAY.									
20	15	20	16	58.0	59.5	Very light.	Overcast ; height of clouds at 17 <sup>h</sup> 2700 feet		
20	21	20	22	52.4	66.6	Very light.	Clear		
21	03	21	04	60.0	69.0	Calm.	Clear		
21	09	21	10	59.2	61.2	Calm.	Clouded	69.0	58.7
21	15	21	16	58.3	60.0	Very light.	Overcast ; height of clouds at 17 <sup>h</sup> 2500 feet		
21	21	21	22	59.1	64.1	Calm.	Clouded		
22	03	22	04	59.2	70.3	Calm.	Clear		
22	09	22	10	60.1	61.7	Light.	Clear	70.3	57.7
22	15	22	16	60.0	60.9	Very light.	Overcast		
22	21	22	22	61.6	65.6	Very light.	Overcast ; height of clouds 2000 feet		
23	03	23	04	60.6	63.8	Calm.	Overcast ; height of clouds 2400 feet		
23	09	23	10	60.1	60.6	Very light.	Clouded	65.8	58.5
23	15	23	16	59.8	60.0	Very light.	Overcast		
23	21	23	22	60.9	64.3	Very light.	Clear ; height of clouds 2700 feet		
24	03	24	04	58.0	65.4	Very light.	Nearly overcast ; height of clouds 2400 feet	65.4	59.3
24	09	24	10	59.1	60.9	Very light.	Overcast		
Christmas Day.									
25	15	25	16	60.0	60.6	Calm.	Overcast		
25	21	25	22	62.0	65.3	Very light.	Overcast ; height of clouds 2000 feet		
26	03	26	04	58.2	72.0	Very light.	Clear ; height of clouds at 5 <sup>h</sup> 2700 feet		
26	09	26	10	61.2	62.2	Light.	Overcast	72.0	56.6
SUNDAY.									
27	15	27	16	57.1	59.2	Light.	Clouded		
27	21	27	22	58.6	62.7	Very Light.	Overcast ; height of clouds 2500 feet		
28	03	28	04	61.0	70.2	Light.	Overcast		
28	09	28	10	59.7	61.8	Light.	Overcast ; height of clouds at 7 <sup>h</sup> 2400 feet	71.0	59.1
28	15	28	16	59.1	61.0	Light.	Overcast		
28	21	28	22	60.6	63.0	Light.	Nearly overcast		

Mean Solar Time (Astronom. Recks.)				Dew Point.	Standard Therm.	Wind.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.
St. Helena.		Göttingen.									
DECEMBER.											
D.	H.	D.	H.	°	°						
29	03	29	04	60·0	65·4	Light.	Occasionally clear; height of clouds 2600 feet - - -	°	°	°	°
29	09	29	10	59·4	60·4	Light.	Overcast - - - - -	67·2	57·8	---	---
29	15	29	16	57·2	59·8	Light.	Overcast - - - - -				
29	21	29	22	59·6	60·8	Very light.	Rain - - - - -				
30	03	30	04	61·6	68·7	Calm.	Nearly overcast; height of clouds 2400 feet - - -	68·7	57·3	---	---
30	09	30	10	59·0	61·0	Very light.	Clouded - - - - -				
30	15	30	16	60·1	60·3	Very light.	Overcast - - - - -				
30	21	30	22	61·6	63·6	Very light.	Overcast - - - - -	67·1	57·7	---	---
31	03	31	04	60·2	66·8	Light.	Clouded - - - - -				
31	09	31	10	59·4	61·6	Very light.	Clear - - - - -				
31	15	31	16	59·5	60·7	Light.	Overcast - - - - -	67·1	57·7	---	---
31	21	31	22	62·0	63·5	Light.	Occasionally clear; height of clouds 2700 feet - - -				

ST. HELENA, 1841.

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MAGNETICAL OBSERVATIONS.



DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
	Sc. Div.	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	60.6	60.0	57.2	56.9	55.3	55.9	55.8	57.8	57.2	57.5	58.8	59.9	58.6
	2	59.0	58.0	57.1	56.8	56.2	55.9	55.8	56.7	57.1	57.1	57.9	57.9	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	57.5
	4	59.8	59.2	58.2	57.0	55.8	55.3	56.1	57.9	58.6	58.2	57.8	57.5	57.2
	5	61.1	60.1	58.0	57.2	57.0	57.9	59.2	57.9	58.1	58.0	57.7	57.5	57.3
	6 <sup>a</sup>	63.0	62.1	60.5	57.9	56.4	57.4	57.5	57.6	58.3	58.2	57.9	57.2	57.1
	7	58.9	59.2	57.4	53.9	52.1	52.4	54.1	55.5	56.5	56.4	56.1	55.2	54.2
	8	62.8	64.5	62.5	— <sup>b</sup>	—	—	53.9	55.8	55.9	56.0	55.9	55.1	54.5
	9	59.4	60.6	58.9	57.0	57.2	55.0	—	55.2	56.0	55.8	55.6	55.1	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	54.5
	11	57.0	56.5	55.8	55.4	55.1	55.4	54.1	55.2	56.7	56.9	56.9	56.9	56.1
	12	52.9	56.0	58.0	56.8	55.8	56.0	55.8	56.9	58.9	59.0	58.1	58.1	57.1 <sup>c</sup>
	13	54.0	56.1	55.0	55.0	53.0	53.0	53.2	55.0	56.1	56.1	54.9	55.0	54.9
	14	55.1	53.2	53.8	54.8	53.5	52.5	53.4	55.7	56.7	56.1	56.2	55.3	55.7
	15	54.7	52.3	50.8	52.8	54.2	55.2	55.5	55.8	55.2	55.1	54.9	54.2	53.9
	16	53.2	54.2	52.1	51.1	53.2	54.2	54.3	55.7	56.0	56.0	55.9	55.1	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	54.4
	18	54.9	56.0	55.0	57.0	53.0	53.2	54.2	55.2	56.0	56.1	55.9	55.2	53.2
	19	56.0	57.1	53.5	51.9	51.8	51.7	50.0	52.2	53.0	52.9	51.8	51.5	51.2
	20	51.2	51.2	50.8	49.8	48.0	50.6	50.8	49.8	51.6	52.4	52.7	52.4	52.1
	21	52.1	53.0	53.9	50.9	49.5	49.4	50.1	51.0	52.2	52.9	51.2	50.9	53.2
	22	49.8	51.1	50.0	—	51.1	52.9	51.9	51.9	52.9	52.9	52.0	51.9	52.0
	23	51.4 <sup>d</sup>	54.0	52.0	50.2	51.0	52.1	51.9	52.4	53.2	54.0 <sup>e</sup>	54.1	53.2	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	53.8
	25	51.1	53.6	53.1	53.5	54.1	54.5	52.2	53.0	54.0	54.3	54.4	53.5	53.1
	26	52.8	54.0	54.1	51.5	—	—	52.4 <sup>f</sup>	52.8	52.6	52.8	52.7	51.9	51.1
	27	51.1	52.1	52.7	51.4	51.6	52.1	52.6	53.4	52.4	52.6	53.4	53.6	54.0
	28	54.2	56.1	56.4	53.9	50.9	51.6	52.0	52.9	52.9	52.9	54.4	52.9	52.7
	29	53.2	54.2	52.9	51.0	52.0	52.0	50.6	51.4	52.6	53.5	53.5	53.6	53.2
	30 <sup>g</sup>	52.0	52.8	52.6	51.5	51.2	50.9	50.8	52.8	54.3	54.7	53.7	— <sup>h</sup>	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	55.57	56.18	55.19	54.07	53.38	53.75	53.70	54.59	55.23	55.35	55.23	54.82	54.50	
FEBRUARY.	1	— <sup>h</sup>	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	40.5	40.0	38.0	36.9	37.8	40.2	40.2	41.5	41.9	41.6	41.6	41.8	40.8
	4	45.9	47.2	46.9	43.8	42.6	43.3	43.5	45.6	45.8	45.2	47.5	45.9	44.0
	5	45.8	46.2	44.6	—	38.0	38.1	41.0	43.9	44.0	44.9	44.1	43.9	43.1
	6	45.2	46.9	45.9	41.0	40.2	40.8	40.5	43.8	45.3	45.3	45.1	45.1	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	40.5
	8	46.9	48.9	47.1	43.1	38.1	37.4	36.6	39.2	40.8	40.6	41.5	41.0	40.8
	9	40.8	41.0	42.1	38.2	38.0	37.1	37.8	38.5	40.2	40.9	40.9	41.1	40.9
	10	40.3	41.9	41.5	38.5	39.0	39.0	37.9	39.1	41.0	41.0	41.0	41.1	40.8
	11	40.0	42.0	41.8	42.0	38.2	36.8	37.3	37.1	38.5	38.0	38.6	37.9	37.5
	12	38.8	39.6	41.0	41.9	44.0	42.6	41.0	40.4	41.6	42.0	42.0	42.0	41.8
	13	43.5	43.2	41.9	41.8	42.6	42.5	42.1	41.9	42.8	43.0	43.0	42.8	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	42.6
	15	46.7	46.0	40.0	38.2	36.6	38.1	39.0	39.3	40.2	41.3	40.0	40.0	41.0
	16	42.8	43.2	41.8	36.5	34.0	37.1	37.0	37.0	37.9	38.3	38.1 <sup>n</sup>	38.8	38.0
	17	39.9	42.0	39.4	39.6	39.1	38.3	38.3	39.9	39.8	40.2	40.2	40.2	41.2
	18	42.6	43.1	37.6	37.8	36.2	35.2	36.7	39.0	40.2	39.0	40.2	39.9	40.0
	19	41.9	41.2	39.8	39.0	37.2	37.0	37.6	40.0	40.6	41.0	40.6	40.7	40.2
	20	45.0	43.9	42.0	40.8	41.2	41.2	41.8	41.9	42.1	42.5	42.1	39.0	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	41.2
	22	47.5	— <sup>p</sup>	—	—	—	—	—	41.5	42.6	41.0	39.4	36.4	38.9
	23	41.9	41.9	38.9	39.8	40.4	37.2	37.0	36.2	37.1	39.8	40.2	40.2	40.8
	24	43.1	45.1	43.9	42.9	41.8	40.5	39.0	39.2	40.0	40.0	40.0	40.0	40.3
	25	39.5	42.1	41.7	39.5	36.3	36.9	37.7	38.1	39.2	39.9	39.9	38.9	40.6
	26	36.1	38.0	35.8	36.9	34.0	33.3	— <sup>q</sup>	34.5	37.9	38.0	35.9	38.1	38.9
	27	38.9	42.0	42.0	42.0	40.2	37.1	34.9	36.1	37.4	37.6	37.8	38.2	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	38.8
Hourly Means <sup>r</sup>	42.20	43.11	41.60	40.01	38.83	38.56	38.84	39.63	40.62	41.01	40.95	40.79	40.66	

<sup>a</sup> The division of the scale corresponding to the magnetic axis of the bar appeared by observation on the 6th to be 70.3, and on the 30th 69.5. The hours at which the observations were made are not recorded.

<sup>b</sup> Magnet removed for purposes of experiment.  
<sup>c</sup> Five minutes late.  
<sup>d</sup> Magnet removed before or after this observation, and the deflecting magnet suspended for experiments of vibration.

<sup>e</sup> Late, time not recorded.  
<sup>f</sup> Thirty minutes late, omitted in the means.  
<sup>g</sup> Magnetometer readjusted with a new thread and different magnet. No. 2. The observations of the 30th are omitted in the means.

DECLINATION.												
Zero Scale Division, January 1st to 31st, 70°0'; February 1st to 28th, 48°0'.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JANUARY.	1	58·0	57·1	55·9	55·3	57·0	55·1	—	55·6	56·3	59·0	57·14
	2	—	—	—	—	—	—	—	—	—	—	—
	3	56·6	57·6	56·9	—	56·0	55·9	55·2	55·9	55·9	57·2	56·97
	4	57·5	56·8	55·2	55·7	55·8	56·5	55·2	55·2	55·5	57·7	57·12
	5	57·3	57·0	56·0	55·0	54·1	54·9	55·1	56·1	57·0	60·6	57·60
	6 <sup>a</sup>	56·8	56·2	54·2	53·1	52·4	52·4	52·9	53·6	55·2	56·9	57·19
	7	53·1	52·0	51·1	49·9	48·3	47·9	48·3	50·0	54·2	59·0	54·17
	8	53·8	53·1	51·2	50·2	49·2	48·0	48·5	48·2	49·9	54·0	54·86
	9	—	—	—	—	—	—	—	—	—	—	—
	10	54·5	55·2	53·1	52·1	51·9	50·9	50·9	51·9	53·2	56·1	55·38
	11	56·0	55·9	54·1	52·9	—	50·0	49·0	47·9	50·8	52·1	54·81
	12	55·7	56·0	55·2	54·6	50·2	54·6	50·8	48·6	50·7	52·2	55·83
	13	54·0	53·1	53·2	53·2	52·1	51·8	50·4	50·5	52·1	53·9	53·86
	14	55·1	54·0	54·0	54·0	54·0	53·9	53·9	53·9	53·8	54·0	54·65
	15	53·5	53·0	52·8	51·9	51·9	52·9	52·3	52·9	53·7	54·1	53·95
	16	—	—	—	—	—	—	—	—	—	—	—
	17	54·4	54·1	53·4	53·2	52·8	51·7	51·0	51·0	53·0	53·3	53·92
	18	54·9	55·1	53·8	53·8	51·8	50·5	50·2	50·9	54·2	55·9	54·25
	19	51·5	50·8	50·0	50·8	50·0	49·0	48·6	48·9	49·8	48·9	51·59
	20	51·8	51·9	51·0	50·6	50·4	49·8	49·1	49·5	49·9	50·6	50·80
	21	52·6	51·9	51·7 <sup>c</sup>	50·3	49·1	46·9	46·0	46·4	47·9	48·6	50·97
	22	52·0	51·2	—	50·4	49·9	48·8	47·2	48·1	50·0	50·5	51·05
	23	—	—	—	—	—	—	—	—	—	—	—
	24	53·9	52·8	51·6	50·4	50·5	50·0	48·8	48·9	48·0	51·1	51·85
	25	53·0	51·5	52·9	53·2	51·6	49·1	48·9	48·1	50·8	52·1	52·44
	26	51·1	51·1	50·9	50·1	50·0	48·3	47·0	—	48·1	50·1	51·45
	27	55·1	53·1	52·2	52·5	51·9	50·4	—	50·4	50·7	51·2	52·30
	28	52·4	53·1	51·7	52·0	51·2	50·2	48·2	48·3	50·3	52·0	52·64
	28	53·7	52·8	52·0	52·0	51·0	50·0	49·8	48·9	49·8	51·0	52·00
	30 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	54·33	53·86	53·09	52·38	51·80	51·18	50·32	50·81	52·03	53·68		
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	—	—
	2	—	39·9	38·9	38·0	38·1	37·2	36·0	36·2	37·1	38·1	—
	3	40·2	40·8	38·6	38·0	37·0	37·0	40·0	43·9	48·0	—	40·56
	4	44·1	44·0	43·1	42·0	40·2	38·8	39·1	40·0	43·7	45·3 <sup>i</sup>	44·28
	5	42·8	42·6 <sup>k</sup>	42·6	41·0	38·2	37·1	37·6	39·6	42·9	43·1	42·46
	6	—	—	—	—	—	—	—	—	—	—	—
	7	40·6	39·0	35·0	37·0	36·5	34·8	34·5	35·3	39·0	42·3	41·44
	8	40·5	40·2	39·0 <sup>l</sup>	38·1	37·2	35·1	53·3	32·4	37·0	40·7	40·19
	9	41·0	40·3	—	39·2	38·8	37·5	36·9	36·9	38·0	38·6	39·54
	10	40·4	40·4	39·8	39·3	38·0	36·5	36·0	36·3	37·1	38·9	39·53
	11	37·2	37·1	36·1	35·9	35·1	33·0	33·5	33·9	34·7	37·6	37·49
	12	42·5	41·2	41·9	41·6	41·1	40·0	40·0	40·1	40·2	41·3	41·16
	13	—	—	—	—	—	—	—	—	—	—	—
	14	42·5	42·0	41·9 <sup>m</sup>	41·7	40·9	39·4	38·5	39·0	42·0	43·7	42·14
	15	40·0	39·1	39·0	39·4	38·9	38·1	37·2	38·2	40·7	41·9	39·97
	16	38·9	39·1	38·2	38·2	37·5	36·2	36·5	36·5	36·8	37·2	38·07
	17	40·1	39·2	39·0	38·1	36·5	35·1	34·9	34·9	37·0	39·0	39·01
	18	39·9	40·0	39·0 <sup>o</sup>	38·0	37·0	36·0	35·8	36·2	38·0	41·8	38·67
	19	40·0	40·0	39·4	—	37·1	36·0	35·2	35·6	38·9	42·7	39·35
	20	—	—	—	—	—	—	—	—	—	—	—
	21	40·9	40·4	41·2	40·3	39·0	38·0	38·1	38·2	40·9	43·8	41·48
	22	38·7	39·1	38·1	37·0	35·1	33·2	32·0	31·5	35·2	39·0	—
	23	41·0	40·9	39·8	39·8	37·7	36·1	36·1	36·2	37·8	39·8	38·92
	24	41·1	41·2	40·8	40·4	—	38·9	38·0	37·2	37·2	37·8	40·45
	25	39·9	39·1	39·2	39·9	39·8	37·0	34·6	33·6	34·9	35·1	38·60
	26	37·5	39·1	36·9	36·7	35·9	34·4	32·5	32·2	33·8	35·1	36·12
	27	—	—	—	—	—	—	—	—	—	—	—
	28	38·8	39·9	39·0	39·8	38·2	36·1	34·1	33·1	32·9	33·9	37·83
Hourly Means	40·47	40·15	39·62	39·22	38·03	36·72	36·30	36·63	38·64	39·98		

<sup>h</sup> Instrument under adjustment.<sup>i</sup> Late, time not recorded.<sup>k</sup> Thirty minutes late, omitted in the means.<sup>l</sup> Two and a-half minutes late.<sup>m</sup> Ten minutes late.<sup>o</sup> Five minutes late.<sup>p</sup> Magnet removed for observations of absolute intensity.<sup>n</sup> Eight minutes late.<sup>q</sup> Zero division of the scale 47·3.<sup>r</sup> The observations of the 2nd and 22nd being incomplete, are omitted in the means.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
MARCH.	1	38.0	42.0	42.7	43.2	42.8	41.3	40.2	40.2	40.1	39.7	40.0	39.5	39.0
	2	38.8	43.0	43.0	41.2	39.9	40.1	40.8	40.8	40.1	40.2	40.0	39.9	40.1
	3	43.0	44.0	43.9	42.2	36.6	37.1	37.6	38.4	39.2	39.0	38.8	38.9	39.0
	4	36.4	38.4	41.2	38.1	36.0	36.1	38.0	41.8	41.2	41.5	41.2	40.8	41.5
	5	38.9	41.5	42.0	40.5	40.6	40.2	41.1	41.6	41.8	42.0	41.8	41.3	41.0
	6	40.8	41.6	41.9	40.0	38.1	38.1	39.0	41.0	41.1	41.2	41.1	41.0	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	40.2
	8	41.2	42.2	43.0	42.1	40.0	38.9	39.2	41.2	41.3	41.8	41.9	41.2	41.0
	9	40.9	41.1	36.5	37.2	36.6	35.8	35.5	37.1	37.6	38.2	38.2	37.5	37.2
	10	34.8	36.5	38.2	40.0	38.0	36.9	36.1	38.5	38.8	39.2	38.8	38.5	38.5
	11	32.0	32.9	35.3	36.2	35.2	35.0	36.2	39.9	40.0	39.9	39.5	39.0	38.9
	12	36.9	38.6	39.5	40.6	39.6	39.8	38.4	39.0	38.6	38.9	38.5	38.9	38.3
	13	39.0	40.2	41.4	41.2	40.6	39.6	39.4	39.4	38.8	39.6	40.0	40.1	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	35.0
	15	34.4	34.8	37.4	38.7	36.5	34.9	34.1	36.3	37.0	37.4	38.1	38.0	38.2
	16	38.0	35.2	36.2	35.0	33.9	32.7	33.2	38.0	37.0	38.8	38.3	38.0	37.3
	17	37.8	38.0	37.8	36.1	33.8	35.0	37.6	38.9	38.9	38.1	37.8	37.1	38.5
	18	34.0	35.3	38.4	38.1	38.5	37.1	37.2	39.2	39.0	39.1	39.4	39.0	39.0
	19	40.8	41.0	40.7	39.7	38.0	37.2	37.3	39.2	39.8	39.8	39.7	40.2	39.1
	20	41.2	43.2	42.8	40.4	39.5	39.2	39.8	39.1	40.0	40.0	40.0	39.2	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	39.8
	22	39.4	41.4	42.6	37.2	34.2	32.4	32.2	36.0	35.4	36.1	38.9	38.1	38.6
	23	41.0	42.0	— <sup>c</sup>	33.9	33.0	32.0	32.0	35.0	33.8	36.0	35.4	35.8	36.0
	24	38.4	40.7	40.0	37.5	34.4	34.0	35.0	34.9	35.1	35.4	35.4	37.3	36.2
	25	38.1	40.8	41.3	38.8	36.4	35.0	35.1	35.6	36.1	36.2	36.3	37.0	38.0
	26	38.8	38.2	39.0	38.0	33.7	33.9	34.1	34.6	35.4	35.9	36.0	36.1	35.9
	27	35.0	35.5	31.7	30.7	— <sup>d</sup>	27.3	29.5	32.1	33.0 <sup>d</sup>	33.5	33.3 <sup>e</sup>	34.2	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	35.7
	29	34.1	35.0	32.1	31.8	32.7	32.0	32.2	34.4	34.7	34.9 <sup>f</sup>	30.2 <sup>e</sup>	32.6	32.4
	30	32.4	33.8	34.9	33.1	32.1	34.0	35.1	34.8	34.6	34.5	34.7	34.4	34.8
	31	35.6	36.0	36.9	31.5	31.5	31.8	33.0	33.0	32.9	33.0	32.9	32.8	33.0
Hourly Means <sup>h</sup>	37.91	39.15	39.53	38.12	36.78	35.98	36.41	37.91	37.95	38.27	38.31	38.22	38.07	
APRIL.	1	34.9 <sup>i</sup>	37.5	33.7	32.9	32.2	32.9	33.1	33.9	34.0	34.1	34.2	34.0	34.0
	2	34.3	36.9	37.0	35.2	34.0	32.7	32.5	34.2	35.0	35.0	34.6	34.6	34.1
	3	34.1	33.9	34.0	33.9	31.4	31.4	33.1	34.1	34.9	34.2	34.2	34.0	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	34.0
	5	35.8	35.6	34.6	35.0	34.0	33.1	33.0	35.2	35.0	35.1	35.0	34.9	34.4
	6	36.2	37.1	35.5	34.4	33.8	33.3	34.2	35.2	35.2	35.2	35.1 <sup>k</sup>	35.8	34.9
	7	32.8	36.9	34.8	32.7	32.2	32.0	32.7	34.9	35.0	35.2	35.3	35.2	35.4
	8	36.1	38.5	35.7	34.1	34.1	34.8	35.2	34.9	34.9	35.0	35.2	35.0	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	35.3
	10	35.2	38.8	35.2	35.0	34.1	33.4	33.2	34.6	34.2	— <sup>l</sup>	30.5	30.9	— <sup>m</sup>
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	29.9	27.1	25.8	26.0	26.6	26.9	28.1	29.2	29.2	29.2	29.6	29.2
	14	30.2	32.0	30.0	29.9	29.0	29.1	29.2	30.1	30.2	30.2	30.1	30.2	30.1
	15	29.8	31.0	31.0	30.6	29.2	30.0	30.0	30.4	30.2	30.5	30.5	30.4	30.8
	16	30.7	32.0	30.1	29.0	28.9	29.0	25.3	27.8	27.3	27.9	27.4	28.1	28.4
	17	29.8	31.1	32.0	31.1	30.0	28.9	28.4	26.0	28.1	26.9	26.9	26.6 <sup>o</sup>	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	27.1
	19	31.2	29.7	27.8	26.8	26.3	26.0	26.8	28.0	28.2	27.8	28.9	30.0	30.0
	20	28.4 <sup>p</sup>	28.2	27.1	23.9	26.1	25.8	26.0	26.8	27.0	28.1	29.0	28.9	29.1
	21	31.9	31.3	39.0	26.6	26.9	27.9	28.9	28.8	29.0	30.1	30.4	30.5	30.4
	22	31.1	32.8	31.1	28.5	28.0	26.9	27.6	28.9	29.0	29.3	29.0	30.2	30.0
	23	29.7	31.3	30.1	30.0	30.0	29.9	29.6	30.2	30.2	30.8	31.2	31.8	30.1
	24	33.1	33.0	32.0	31.9	30.4	30.3	30.3	30.1	30.0	31.0	31.2	31.2 <sup>p</sup>	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	30.0
	26	30.3	30.5	29.6	29.9	30.8	31.1	30.0	30.1	30.2	30.1	30.0	30.0	30.4
	27	30.3	32.4	31.5	31.5	31.9	31.9	30.8	31.1	31.9	32.0	32.1	32.8	32.6
	28	30.9	32.1	30.9	30.2	31.8	31.8	31.8	31.9	32.0	32.0	31.9	32.0	32.0
	29	34.2	33.9	31.9	30.9	32.1	32.0	32.0	32.0	32.4	32.0	31.9	32.9	32.8
	30	31.6	31.4	29.9	30.6	32.0	32.4	31.6	32.0	32.9	32.4	32.1	32.1	33.1
	Hourly Means <sup>q</sup>	32.02	32.79	31.49	30.57	30.40	30.31	30.27	30.94	31.26	31.36	31.42	31.67	31.55

<sup>a</sup> Two and a-half minutes late.<sup>b</sup> Late (time not recorded).<sup>c</sup> Magnet removed for observations of absolute intensity.<sup>d</sup> Zero division of the scale 49.7.<sup>e</sup> Ten minutes late.<sup>f</sup> Lens and scale removed for experiments; zero division changed.<sup>g</sup> Three minutes late.<sup>h</sup> Observations of the 29th not included in the means.<sup>i</sup> Lens and scale removed for an experiment of vibration; zero division changed, the exact hour not stated in the return received from the Observatory.<sup>k</sup> Five minutes late.

DECLINATION.												
Zero Scale Division, March 1st to 31st, 48°0; April 1st to 10th, 48°0; 11th to 30th, 43°0.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MARCH.	1	39·0	39·1	39·9	40·0	38·2	35·4 <sup>a</sup>	33·8	33·0	34·0	37·4	39·28
	2	40·0	40·0	41·1	41·9	41·1	40·1	39·0	37·8	38·0	40·1	40·22
	3	38·8	38·8	39·0	38·8	37·9	37·9	36·5	34·8	34·8	35·4	38·92
	4	41·5	40·8	40·1	40·1	40·0	38·1	36·2	35·0	35·2	38·5	39·29
	5	41·0	40·9	—	41·1	41·1	39·9	38·9	38·2	38·0	39·8	40·69
	6	—	—	—	—	—	—	—	—	—	—	—
	7	39·2	39·1	38·7	39·0	39·0	37·6	37·6	37·8	38·0	39·1	39·72
	8	40·0	40·4	41·0	42·0	41·5	41·0	40·3	37·5	36·1	38·1	40·61
	9	36·6	37·2	37·5	38·9	37·9	38·1	36·9	36·1	34·8	35·0 <sup>b</sup>	37·27
	10	38·2	38·1	38·0	38·9	39·8	37·0	35·0	33·5	31·4	31·2	37·18
	11	39·1	38·8	40·0	40·5	41·2	40·0	38·3	36·4	34·1	34·2	37·49
	12	38·4	38·2	39·5	39·2	38·9	38·3	37·3	36·5	36·9	37·2	38·47
	13	—	—	—	—	—	—	—	—	—	—	—
	14	35·8	35·8	35·1	36·9	36·4	35·5	33·0	33·3	31·2	31·3	37·60
	15	39·1	40·0	39·3	41·4	41·4	41·6	41·4	38·9	37·6	38·0	37·54
	16	37·4	37·6	38·0	39·0	40·0	38·1	36·8	35·1	33·8	35·2	36·62
	17	38·2	37·2	37·7	37·8	38·2	36·6	34·9	34·2	34·1	33·8	37·22
	18	38·9	39·1	40·0	40·8	40·9	40·1	39·0	38·1	38·0	39·4	38·49
	19	39·5	40·0	40·2	40·0	38·8 <sup>c</sup>	38·1	38·0	37·8	37·1	37·6	39·17
	20	—	—	—	—	—	—	—	—	—	—	—
	21	39·5	39·3	40·0	40·8	41·2	39·6	37·5	36·5	35·1	36·8	39·68
	22	38·5	39·9	39·0	39·0	40·2	38·2	37·1	37·0	36·1	38·4	37·54
	23	37·0	37·2	37·1	37·9	36·1	35·0	33·2	33·1	32·9	35·0	35·31
	24	36·0	35·2	34·8	34·8	33·7	32·4	31·8	31·9	32·1	34·9	35·32
	25	37·0	37·0	37·5	36·5	35·7	33·7	33·4	32·6	33·8	36·5	36·57
	26	36·0	35·9	36·0	35·9	35·3	34·2	34·0	31·9	31·6	33·0	35·43
	27	—	—	—	—	—	—	—	—	—	—	—
	28	35·5	34·3	35·5	36·7	37·8	36·9	36·1	34·1	32·0	32·1	33·54
	29	31·5	32·5	34·9	35·1	36·0	34·7	33·0	31·6	30·3	30·9	—
	30	35·0	35·0	35·9	36·0	35·9	35·4	34·0	33·1	33·1	33·7	34·40
	31	32·9	32·9	34·9	35·9 <sup>d</sup>	35·9	34·8	33·9	33·0	32·0	31·1	33·62
Hourly Means	38·00	37·99	38·23	38·84	38·62	37·45	36·30	35·28	34·68	35·88		
APRIL.	1	34·2	34·1	34·9	35·0	35·2	33·9	32·9	32·3	31·9	32·1	—
	2	34·7	34·7	35·0	35·8	35·9	34·7	33·4	32·0	31·6	32·8	34·31
	3	—	—	—	—	—	—	—	—	—	—	33·37
	4	33·9	33·9	33·9	33·1	32·9	31·9	30·9	30·3	30·9	33·0	34·17
	5	34·6	34·2	34·0	—	34·1	33·8	32·8	31·9	31·1	33·7	34·41
	6	34·8	34·8	34·1	33·1	32·0	32·0	31·3	30·5	31·9	34·1	34·07
	7	35·2	35·1	35·6	35·0	35·0	34·0	33·0	31·1	31·0	33·0	34·57
	8	—	—	—	—	—	—	—	—	—	—	—
	9	35·1	35·1	35·9	35·1	35·3	34·0	32·2	31·0	28·4	31·6	34·57
	10	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—
	13	29·5	30·0	30·0	29·1	29·0	27·9	25·9	25·1	25·0	27·0	28·05
	14	30·6	31·9	32·0 <sup>e</sup>	32·2	32·6	31·3	30·1	28·9	27·9	28·2	30·17
	15	30·9	30·9	30·4	31·8	32·2	31·0	30·2	29·4	28·1	28·7	30·19
	16	29·2	29·2	30·0	30·6	30·8	30·8	29·0	28·1	27·1	27·6	28·58
	17	—	—	—	—	—	—	—	—	—	—	—
	18	27·1	28·0	27·6	29·9	—	29·9	28·0	27·8	28·0	29·8	28·48
	19	30·1	30·0	31·3	31·3	31·9	31·9	31·0	30·0	30·0	31·0	29·20
	20	29·0	30·2	31·2	31·2	31·8	31·4	30·5	30·0	29·6	30·2	28·49
	21	30·8	31·0	29·9	30·9	31·1	30·8	30·1	29·7	28·9	29·2	29·66
	22	29·5	29·9	31·0	31·2	31·2	30·2	29·9	29·0	28·1	28·1	29·49
	23	30·8	31·7	31·9	31·9	31·1	29·8	27·0	26·1	26·3	30·0	30·07
	24	—	—	—	—	—	—	—	—	—	—	—
	25	30·9	30·9	32·9	31·1	32·9	32·2	30·9	29·0	26·8	28·0	30·82
	26	31·0	31·0	21·2	32·0	32·7	32·4	31·1	30·1	28·6	29·2	30·38
	27	32·1	32·0	32·1	33·0	33·0	32·4	30·0	29·1	28·0	28·9	31·39
	28	32·1	32·2	33·1	34·0	34·9	34·2	33·9	33·0	31·0	31·3	31·97
	29	32·9	33·3	33·3	35·0	35·8	36·1	35·0	33·1	30·2	30·6	32·68
	30	32·8	33·0	33·5	34·0	35·2	34·9	33·7	32·0	30·2	30·9	32·23
Hourly Means	31·71	31·95	32·27	32·44	32·92	32·16	30·90	29·87	29·03	30·31		

<sup>a</sup> Zero division determined 47·8.<sup>m</sup> Magnetometer readjusted. <sup>n</sup> Twenty minutes late.<sup>o</sup> Magnet removed before or after this observation for the determination of the absolute intensity.<sup>p</sup> The brass bar was suspended after the last observation of the 17th and 24th, and allowed to swing freely; the torsion circle was not touched.<sup>q</sup> Observations of the 1st and 10th are not included in the means; the changes in the daily means are to be attributed to irregularities in the direction of the line of detorsion.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
MAY.	1 <sup>a</sup>	32.1	33.0	32.4	32.9	29.0	29.0	29.5	29.0	30.3	30.2	30.0	30.9	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	30.9
	3	30.2	31.9	31.8	31.3	30.5	30.7	30.0	31.6	31.9	31.5	31.9	30.8	32.1
	4	28.8	29.4	28.9	29.4	29.2	29.2	28.6	30.0	30.9	31.0	30.9	30.8	31.0
	5	30.0	31.0	31.0	30.3	32.0	31.4	30.9	31.2	31.0	31.0	30.9	30.9	31.0
	6	31.8	32.1	31.4 <sup>b</sup>	30.8	31.8	31.0	30.0	29.0	28.9	29.0	31.1	30.0	30.9
	7	32.1 <sup>c</sup>	33.4	33.0	32.1	31.9	31.1	30.2	31.0	30.8	30.8	30.9	31.1	31.7
	8	28.4	30.9	32.5	31.2	31.1	—	30.6	30.7	31.2	31.2	31.7	31.9 <sup>d</sup>	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	29.9
	10	26.0	30.1	22.5	22.0	22.9	22.9	24.1	23.8	25.1	25.1	26.8	29.0	30.1
	11	24.0	25.1	26.0	27.1	28.2	29.0	29.2	29.9	30.0	30.0	30.1	30.2	30.8
	12	31.1	33.4	32.6	29.1	29.0	29.5	28.9	28.1	29.8	29.6	29.8	29.7	29.9
	13	28.2	30.0	29.1	27.9	28.1	29.2	28.5	29.5	30.2	30.0	30.1	30.0	30.0
	14	28.7	28.0	28.0	29.8	30.4	30.8	30.1	31.6	31.2	31.2	31.1	31.0	32.0
	15 <sup>a</sup>	31.2	30.8	25.3	25.2	27.1	28.1	28.0	27.8	27.8	25.0	26.8	27.1	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	29.3
	17	27.2	27.2	27.9	27.9	27.3	28.0	27.0	28.4	28.2	28.6	28.6	29.7	29.9
	18	26.8	27.0	26.8	26.9	27.8	28.1	27.0	28.0	28.5	28.0	27.8	28.8	29.0
	19	—	28.0	28.6	—	30.6	29.0	28.8	28.0	28.6	29.0	29.9	29.0	30.0
	20	27.0	26.9	27.1	29.1	29.4	28.6	27.9	28.0	29.0	29.1	29.2	29.9	29.9
	21 <sup>f</sup>	23.7	26.2	27.8	24.6	24.0	23.0	22.0	23.0	23.3	25.0	25.4	26.3	26.0
	22	25.5	26.0	24.1	25.2	25.0	24.8	24.0	25.1	25.9	26.1	26.0	26.2	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	28.0
	24	25.0	26.4	26.6	26.2	25.0	24.1	23.9	26.0	25.7	26.3	27.0	26.6	26.7
	25	25.9	24.8	25.9	26.3	25.5	24.1	24.1	25.0	25.9	25.5	26.9	26.9	28.5
	26	25.7	25.6	25.9	25.7	26.8	26.5	25.2	25.5	25.9	26.0	26.8	26.4	26.9
	27	24.7	24.0	22.1	24.0	24.0	25.5	25.1	24.9	25.1	25.2	25.2	25.8	26.6
	28	25.1	24.0	24.2	24.8	25.8	25.9	25.9	25.9	25.1	26.2	25.2	25.8	25.8
	29	23.0	22.0	23.5	26.5	27.0	26.1	25.3	25.1	25.9	26.0	26.0	26.0	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	26.2
	31	25.1	24.9	25.0	27.0	27.9	26.9	26.1	26.1	26.7	26.2	26.1	26.8	27.1
Hourly Means	27.49	28.16	27.69	27.73	27.97	27.70	27.34	27.78	28.19	28.18	28.55	28.75	29.24	
JUNE.	1	26.0	20.9	19.2	21.1	23.9	23.1	24.1	23.9	24.2	24.1	24.0	24.0	24.2
	2	22.9 <sup>k</sup>	23.8	23.6	23.1	23.6	23.8	23.5	25.0	25.5	25.2	25.0	25.2	25.6
	3	25.8	19.2	24.1	25.2	24.0	23.2	23.2	24.3	24.4	24.8	24.9	25.7	25.9
	4	24.5	24.5	24.8	24.6	24.9	26.0	24.6	24.9	24.9	24.9 <sup>l</sup>	25.1	25.4	26.4
	5 <sup>m</sup>	25.7	24.4	24.5	25.8	25.9	25.3	25.0	26.0	26.4	25.3	26.0	24.2	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	26.1
	7	24.1	24.0	23.0	23.9	24.6	23.4	23.0	24.8	24.5	24.9	25.8	26.0	27.1
	8	26.2	27.0	25.2	26.5	26.9	25.1	24.9	25.9	26.0	26.1	26.9	26.1	26.1
	9	22.8 <sup>k</sup>	24.8 <sup>l</sup>	24.1	26.0	26.0	25.9	25.0	25.1	26.6	27.5 <sup>l</sup>	28.1	27.6	28.1
	10	27.1	28.0	28.1	28.3	27.4	27.5	26.5	27.9	27.9	27.9	28.2	28.1	28.1
	11	29.2	28.5	30.8	30.0	28.4	28.2	27.2	28.0	28.0	28.0	28.0	28.3	28.5
	12	25.5	23.8	24.1	25.1	27.8	28.7	27.0	28.0	27.9	28.1	28.0	28.6	— <sup>n</sup>
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15 <sup>m</sup>	—	—	—	—	—	—	—	—	26.0	24.4	26.0	25.0	25.2
	16	27.3 <sup>k</sup>	27.1 <sup>l</sup>	26.9	26.0	27.8	28.1	26.1	28.0	29.1	29.9	29.9	30.0	30.0
	17	32.0	32.1	32.6	32.1	30.9	29.5	28.1	27.8	28.0	29.0	29.0	30.5	30.1
	18	28.2	28.1	28.0	27.7	27.4	26.5	26.4	28.1	28.5	29.1	30.0	30.0	29.9
	19	31.0	31.1	30.8	30.1	29.6	29.3	28.4	29.0	29.2	29.8	30.1	30.5 <sup>p</sup>	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	23.1
	21	21.8	23.8	25.4	24.9	25.2	24.6	24.0	24.0	25.0	25.8	26.1	26.7	27.0
	22	26.1	27.1	26.7	26.0	25.8	26.4	24.8	24.9	24.9	25.0	25.8	25.9	26.1
	23	26.4 <sup>k</sup>	—	24.7	23.1	23.9	22.9	23.1	24.0	24.5	25.2	25.4	25.1	26.8
	24	26.9	25.9	24.6	26.9	27.0	25.4	24.0	25.2	25.4	26.0	26.0	26.8	27.1
	25	30.0	29.2	27.4	26.8	26.4	24.3	24.1	24.9	26.8	26.4	26.0	26.9	27.6
	26	27.6	27.5	26.3	24.0	26.0	24.2	23.3	24.9	25.1	25.1	26.0	26.1 <sup>p</sup>	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	26.0
	28	25.2	26.2	27.8	28.0	28.8	26.9	25.5	25.9	26.1	26.9	26.0	27.0	27.1
	29	24.2 <sup>k</sup>	23.9	22.2	24.1	24.1	22.3	22.2	24.2	25.0	25.1	26.8	27.2	26.4
	30	26.8	24.5 <sup>l</sup>	26.3	25.8	26.2	25.8	25.6	26.9	27.5	27.9	27.7	28.6	29.0
Hourly Means	26.43	25.98	25.96	26.09	26.29	25.55	24.90	25.81	26.24	26.52	26.82	27.04	27.06	

<sup>a</sup> Zero division of the scale observed on the 1st, 43.6; and on the 15th, 43.0.

<sup>b</sup> Five minutes late. <sup>c</sup> Seven minutes late.

<sup>d</sup> Brass bar suspended; torsion circle not altered.

<sup>e</sup> Fifteen minutes late.

<sup>f</sup> The magnet was vibrated without appendages on the 21st before observations of absolute intensity, and its zero division changed—time not stated.

<sup>g</sup> Thirty minutes late (omitted in hourly means).

<sup>h</sup> Late (time not recorded).

<sup>i</sup> Twenty minutes late.

DECLINATION.												
Zero Scale Division, May 1st to 31st, = 43·0; June 1st to 30th = 43·0.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MAY.	1 <sup>a</sup>	—	—	—	—	—	—	—	—	—	30·45	
	2	30·6	30·4	31·3	32·2	33·1	32·2	31·5	30·4	28·3	27·7	31·28
	3	32·0	31·9	32·7	33·1	33·4	32·8	31·2	29·6	28·0	28·0	30·02
	4	30·3	30·1	31·5	32·1	32·9	32·2	31·1	30·1	28·1	29·5	31·24
	5	31·1	33·6	31·2	33·0	33·1	32·6	31·8	30·7	29·5	29·4	30·95
	6	—	32·2	32·3	32·7	33·2	33·0	31·8	30·8	29·0	29·2	31·06
	7	31·8	31·1	31·0	32·0	32·0	31·0	30·1	29·9	28·0	26·4	30·55
	8	—	—	—	—	—	—	—	—	—	—	26·29
	9	27·0	31·2	29·2	32·8	33·6	32·1	32·0	31·6	28·0	27·1	29·30
	10	30·0	29·0	30·3	30·2	30·5	29·9	28·9	27·8	25·0	23·1	29·83
	11	30·8	30·0	31·2	31·5	31·8	31·8	31·5	30·5	30·4	31·1	29·84
	12	30·0	30·1	31·1	31·8	32·1	31·4	30·5	29·0	26·2	26·4	30·95
	13	30·1	30·7	31·1	32·2	32·8	32·6	31·8	30·9	30·0	28·1	28·69
	14 <sup>n</sup>	31·6	32·0	—	33·7	34·1	34·3	34·0	32·8	31·1	30·9	29·01
	15	—	—	—	—	—	—	—	—	—	—	28·42
	16	29·7	29·8	30·5	31·8	32·5	32·5	31·4	30·2	28·2	26·9	29·22
	17	30·0	30·8	31·0	31·0	32·1	32·9	32·9	32·1	28·9	28·0	29·15
	18	29·0	29·1	30·9	31·5	31·6	32·2	30·9	29·2	27·1	27·6	25·26
	19	29·9	29·5	30·1 <sup>o</sup>	30·0	30·1	30·1	29·9	29·1	29·9	31·2	26·13
	20	30·0	30·0	30·4	31·2	32·0	32·0	30·9	30·1	29·9	24·2	26·32
	21 <sup>f</sup>	28·3	26·9	28·0	27·0	28·8	28·8	27·1	26·1	24·2	24·0	26·46
	22	—	—	—	—	—	—	—	—	—	—	26·17
	23	27·9	27·5	27·1	27·9	29·4	29·2	28·5	27·2	26·2	25·4	25·67
	24	26·9	26·6	27·5 <sup>g</sup>	27·6	24·9	29·6	29·3	28·1	26·2	25·8	26·24
	25	26·9	26·0	28·4	28·3	28·4	28·7	28·1	27·6	26·7	26·1	26·02
	26	27·0	26·3	26·8	26·1	27·0	27·9	27·8	26·9	24·3	23·9	26·87
	27	26·1	26·0	27·1	28·0 <sup>h</sup>	28·9	29·2	29·2	29·1	28·0	26·9	26·97
	28	25·4	26·2	27·5	28·7	29·9	31·2	31·1	29·6	27·0	24·9	28·35
	29	—	—	—	—	—	—	—	—	—	—	28·96
	30	26·0	26·1	28·9 <sup>i</sup>	27·9	28·5	28·5	28·0	27·0	26·8	25·9	26·44
	31	27·9	26·1	28·1	29·1	30·1	31·1	31·0	29·8	27·1	25·4	27·23
Hourly Means	29·05	29·20	29·90	30·51	31·03	31·15	30·47	29·47	27·67	27·12	26·85	
JUNE.	1	25·0	25·8	26·4	27·3	28·6	29·1	29·0	28·1	25·3	24·0	24·67
	2	25·8	25·1	26·2	27·8	28·5	29·1	28·9	28·2	26·8	26·0	25·16
	3	25·8	26·0	26·9	27·0	28·5	28·0	28·1	27·1	25·9	24·8	25·28
	4	26·8	26·9	27·7	28·9	29·5	30·0	29·8	28·1	26·6	25·5	25·94
	5	—	—	—	—	—	—	—	—	—	—	26·28
	6	26·7	27·1	27·0	27·8	29·0	29·9	29·1	27·8	25·8	24·8	25·68
	7	27·0	27·0	27·2	29·1	30·1	30·9	29·9	28·6	26·2	25·8	26·87
	8	26·3	26·9	28·0	27·5	29·9	31·0	30·3	30·0	28·4	26·9	26·97
	9	28·1	28·9	29·8	29·9	31·1	31·3	31·1	29·8	27·8	26·6	28·35
	10	28·2	29·2	29·8	30·5	31·0	31·8	30·9	30·0	28·2	28·1	28·96
	11	28·9	29·2	29·1	30·0	31·0	31·9	31·7	31·1	29·2	27·7	—
	12	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—
	15	27·1	26·8	27·7	28·9	29·7	30·9	31·1	30·9	29·9	28·5	—
	16	30·1	30·9	31·1	32·0	32·9	34·0	34·0	33·2	32·0	32·4	29·42
	17	31·0	30·7	31·2	31·9	33·3	34·9	34·2	33·9	31·1	29·0	30·53
	18	29·1	29·9	31·0	31·9	33·0	34·4	34·3	33·4	31·4	30·0	29·43
	19	—	—	—	—	—	—	—	—	—	—	27·87
	20	24·1	24·2	25·1	26·8	27·5	28·1	28·2	28·1	25·9	23·3	—
	21	26·9	26·9	—	28·0	28·9	29·9	29·3	29·0	27·0	25·0	25·66
	22	26·0	25·6	26·2	27·5	28·5	31·0	31·0	30·0	26·8	25·9	26·22
	23	25·1	25·2	25·9	26·9	28·3	30·0	30·8	30·5	28·5	26·0	25·70
	24	26·6	26·2	27·1	28·6	28·9	29·0	30·0	29·2	29·3	30·6	26·48
	25	28·1	28·1	28·6	28·0	28·0	30·4	30·0	30·8	26·9	27·8	27·27
	26	—	—	—	—	—	—	—	—	—	—	26·44
	27	26·5	26·8	27·9	28·1	29·6	29·9	29·3	28·9	27·5	26·0	27·23
	28	27·3	27·1	28·5	29·4	29·9	30·8	30·8	30·4	28·0	26·2	25·89
	29	26·3	26·7	28·9	28·2	29·9	31·1	31·5	30·8	28·9	27·0	27·87
	30	28·7	28·9	29·0	30·2	30·9	31·4	31·2	31·0	29·1	28·1	—
Hourly Means	27·15	27·36	28·12	28·84	29·86	30·78	30·58	29·91	27·94	26·85	26·95	

<sup>k</sup> Magnet removed for observations of absolute intensity on the 2nd, 9th, 16th, 23rd and 29th, before or after the noon observation. <sup>l</sup>Late (time not recorded).

<sup>m</sup> Zero division of the scale observed on the 5th, 42·6; and on the 15th, 42·2.

<sup>n</sup> Magnetometer readjusted.

<sup>o</sup> Two minutes late.  
<sup>p</sup> Brass bar suspended on the 19th and 26th. Torsion circle turned 30° on the 27th.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
JULY.	1	27.9	29.1	26.8	27.2	27.9	26.1	25.1	25.9	27.0	27.3	27.1	27.0	27.9
	2	26.0	27.6	25.9	26.2	26.2 <sup>a</sup>	25.1	24.1	25.7	26.8	26.9	26.9	27.0	28.1
	3	26.1	30.1	26.9	26.7	25.1	—	22.1 <sup>b</sup>	21.0	23.0	23.9	23.9	24.1	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	24.2
	5	25.2	26.4	25.2	27.2	25.3	24.0	23.6	24.9	25.0	25.2	26.0	26.0	25.0
	6	25.8	27.2	26.2	26.0	24.1	23.9	23.8	24.4	25.1	25.1	26.0	27.0	27.0
	7	23.5 <sup>c</sup>	22.4	26.1	25.7	20.7	21.0	21.6	22.6	23.9	24.0	24.1	24.5	24.9
	8	21.3 <sup>b</sup>	23.3	23.9	24.2	24.0	24.0	24.0	24.9	25.0	25.1	25.4	26.0	26.1
	9	25.8	26.7	27.4	27.0	26.0	24.9	24.9	25.0	25.6	26.2	26.0	25.6	25.9
	10	24.8	27.0	27.1	27.3	27.9	26.9	25.0	25.6	26.0	25.9	25.9	26.1	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	23.1
	12	21.3 <sup>c</sup>	18.0	19.4	22.0	22.9	22.0	22.0	22.8	23.7	23.6	23.6	23.9	24.1
	13	25.0	24.9	24.3	24.4	24.4	23.9	22.2	22.9	22.8	23.0	23.0	23.1	23.7
	14	20.3 <sup>c</sup>	23.3	23.7	24.1	24.0	23.0	23.1	24.0	24.6	25.0	25.0	24.9	25.1
	15	23.1	23.0	21.9	21.6	22.1	22.1	22.6	23.9	25.0	25.0	25.5	25.5	25.1
	16	26.0	26.2	27.1	27.0	25.8	25.1	24.4	26.4	26.9	27.0	27.9	27.0	27.2
	17	26.0	26.9	27.1	28.1	29.0	28.0	27.0	26.4	27.1	26.9	26.2	20.6 <sup>d</sup>	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	28.1
	19	26.9	26.3	24.5	27.1	29.0	27.2	27.0	26.0	27.0	27.6	27.2	26.2	27.0
	20	28.1	29.3	27.0	25.0	24.1	24.1	25.0	25.5	24.8	27.7	27.2	27.2	27.5
	21	26.5 <sup>c</sup>	—	25.5	25.1	24.3	23.8	22.2	23.5	24.2	24.7	24.8	25.0	25.2
	22	25.3	28.0	27.4	26.4	26.0	25.0	24.1	24.8	25.1	25.6	26.5	26.8	26.9
	23	24.9	23.1	22.9	25.2	27.1	26.1	25.8	26.0	25.9	26.1	25.2	26.2	25.9
	24	29.0	28.7	28.1	27.1	26.0	24.9	23.2	23.5	25.5	25.1	24.9	24.4	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	25.2
	26	25.2	26.0	26.4	26.0	26.3	25.5	24.2	23.9	25.0	25.1	25.1	26.1	26.1
	27 <sup>b</sup>	25.0	26.9	26.6	26.1	26.6	26.6	25.4	25.3	24.1	25.0	25.1	25.1	26.2
	28	20.6 <sup>c</sup>	21.5	21.2	22.8	25.9	25.3	24.8	25.0	25.5	26.1	25.9	26.1	26.2
	29	23.9	24.5	25.1	24.8	25.3	25.7	25.8	25.3	25.6	25.8	26.0	26.2	27.2
	30	25.3	26.1	26.6	28.1	28.0	27.6	26.1	25.8	26.0	26.9	26.9	27.0	27.3
	31	25.7	25.0	—	25.2	26.0	26.0	25.0	25.2	25.9	26.0	26.1	26.4 <sup>d</sup>	—
	32	—	—	—	—	—	—	—	—	—	—	—	—	25.3
Hourly Means	24.98	25.67	25.40	25.69	25.56	24.91	24.23	24.67	25.26	25.62	25.68	25.78	25.98	
AUGUST.	2	25.2	24.2	22.9	23.7	25.9	24.9	23.8	25.0	25.2	25.2	24.3	24.7	24.1
	3	25.2	26.3	24.3	23.7	23.7	23.0	24.1	24.1	24.6	25.4	25.3	26.1	27.0
	4	23.9 <sup>f</sup>	23.8	22.7	23.1	24.9	24.2	24.8	24.9	26.2	26.9	26.5	27.0	27.5
	5	27.0	26.9	27.7	28.1	27.8	27.5	25.9	26.0	27.1	26.9	27.2	27.0	26.4
	6	27.8	25.0	27.0	25.1	24.7	23.0	22.3	23.0	26.0	25.1	24.9	23.1	25.7
	7	28.1	27.9	27.5	28.1	27.6	27.0	26.5	25.9	26.1	26.3	26.3	26.7 <sup>g</sup>	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	23.9
	9	25.6	28.2	27.2	25.2	24.9	26.0	26.5	26.8	26.9	—	26.9	26.9	26.3
	10	24.1	23.9	24.0	24.8	27.6	27.8	26.1	26.8	27.1	27.1	27.5	27.3	27.6
	11	19.4 <sup>f</sup>	21.9	24.0	24.8	26.6	26.8	26.2	26.4	26.8	26.9	26.8	26.1	26.9
	12	25.0	26.1	25.9	27.6	26.9	27.1	27.0	26.9	27.0	27.9	28.0	28.2	29.1
	13	27.6	27.7	29.9	29.9	30.1	29.8	28.9	28.5	28.0	28.1	28.5	28.7	28.4
	14	28.0	29.4	30.2	28.8	29.1	29.1	28.9	28.9	29.0	24.3 <sup>i</sup>	27.5	27.9 <sup>g</sup>	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	24.7
	16	24.1	25.0	27.1	29.4	29.0	27.9	27.6	27.0	27.2	27.1	28.0	27.2	27.3
	17	25.1 <sup>k</sup>	25.2	26.2	27.1	26.2	27.1	27.1	27.2	27.9	28.1	28.3	28.5	28.5
	18	28.8	28.9	28.2	29.1	28.8	28.9	28.1	28.2	28.5	28.5	29.0	28.9	28.5
	19	21.2 <sup>l</sup>	23.2	23.9	24.0	23.2	22.1	22.8	24.3	25.4	25.9	26.1	26.5	26.3
	20	25.2	26.2	25.9	26.9	28.0	27.0	26.1	25.1	26.0	26.9 <sup>h</sup>	26.9	25.4	26.8
	21	24.0	25.1	25.0	26.0	25.9	25.6	24.9	25.3	25.0	24.3	25.6	26.1 <sup>g</sup>	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	23.2
	23	22.9	22.9	24.0	24.6	24.7	22.0	22.5	22.8	22.8	22.9	23.9	24.0	25.4
	24	20.3	19.1	19.0	20.9	22.1	23.3	23.7	24.5	24.9	25.0	25.0	25.3	25.9
	25	17.3 <sup>f</sup>	19.1	19.2	20.0	22.5	24.0	24.1	23.8	23.9	24.0	—	24.9	25.6
	26	24.7	24.4	23.9	25.2	26.0	24.3	23.2	23.1	24.3	23.6	23.1	22.6	22.5
	27	25.0	23.1	23.7	22.5	23.6	25.0	24.9	24.9	24.4	23.9	24.9	26.1	26.9
	28	24.0	24.1	21.0	21.9	23.0	23.7	23.1	24.5	24.1	25.1	25.0	24.9 <sup>g</sup>	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	23.0
	30	21.6	20.0	20.5	22.7	24.3	24.0	23.9	24.4	24.8	25.0	25.1	25.1	25.1
	31	23.2	22.1	21.9	22.6	25.0	26.6	26.2	26.6	26.1	26.2	27.0	25.9	25.9
	Hourly Means	24.40	24.60	24.72	25.22	25.85	25.68	25.35	25.57	25.97	25.86	26.30	26.20	26.10

<sup>a</sup> Four minutes late.

<sup>b</sup> Zero division of the scale observed on the 3rd, 43.5; on the 8th, 43.0; and on the 27th, 42.9.

<sup>c</sup> Late (time not recorded).

<sup>d</sup> Brass bar suspended; torsion circle turned 31° on the 18th.

<sup>e</sup> Magnet removed for the observations of absolute intensity on the 7th, 12th, 14th, 21st, and 28th; the hours not stated, probably before or after the observation at noon.

DECLINATION.												
Zero Scale Division, July 1st to 31st, 43°0'; August 1st to 31st, 43°0'.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JULY.	1	28·4	27·8	25·1	23·9	30·0	30·9	31·0	30·1	28·1	26·1	27·29
	2	28·2	28·0	28·2	29·4	30·0	31·4	31·0	30·0	27·1	25·9	27·03
	3	—	—	—	—	—	—	—	—	—	—	24·22
	4	23·8	24·1	24·9	25·0	25·4	26·1	26·2	26·0	23·3	24·0	25·41
	5	25·5	24·2	25·9	26·0	27·9	29·5	30·0	27·6	25·1	25·3	25·96
	6	27·0	26·9	27·2 <sup>a</sup>	27·9	28·0	29·0	29·4	29·1	26·0	24·9	24·25
	7	25·1	25·6	25·7	26·0	26·8	27·4	26·8	25·8	24·9	23·5	25·12
	8	25·9	26·1	26·5	26·2	27·1	28·1	28·1	27·5	26·1	26·5	26·12
	9	26·2	25·9	26·1	26·9	27·9	28·9	28·9	27·8	26·0	25·0	25·34
	10	—	—	—	—	—	—	—	—	—	—	23·56
	11	23·9	23·9	25·8	26·0 <sup>c</sup>	26·1	26·6	25·5	24·8	22·4	21·2	24·00
	12	24·8	25·0	26·2	26·6	26·8	27·8	26·9	25·0	23·9	24·0	24·32
	13	24·4	25·1	25·0	26·0	26·3	27·5	26·0	25·2	22·1	21·0	24·57
	14	24·1	25·5	25·0	25·6	26·9	27·5	27·9	27·0	24·0	23·0	26·67
	15	25·1	25·9	27·4	27·9	28·0	28·6	28·0	26·2	23·8	23·1	27·50
	16	27·0	26·9	27·5	27·8	28·2	29·0	28·0	27·0	24·9	23·1	27·41
	17	—	—	—	—	—	—	—	—	—	—	26·99
	18	27·7	27·8	28·2	29·3	30·0	30·8	30·2	29·7	26·3	24·9	25·16
	19	25·5	27·6	26·0	26·1	27·1	30·9	31·0	30·5	29·8	28·1	26·41
	20	28·0	28·5	28·2	29·8	30·0	31·0	30·7	29·1	27·0	25·0	26·38
	21	25·2	26·0	24·9	25·9	26·8	28·8	28·9	28·1	26·0	24·4	25·92
	22	26·9	26·7	27·7	28·2	28·9	29·5	30·7	30·1	26·9	25·1	25·98
	23	24·8	26·0	25·2	27·3	28·5	31·1	32·1	32·2	30·6	30·1	25·99
	24	—	—	—	—	—	—	—	—	—	—	25·52
	25	25·0	25·8	27·0	26·9	27·9	28·0	27·8	26·9	24·8	24·2	26·46
	26	26·1	26·7	27·9	28·1	28·9	28·9	28·1	27·5	26·1	25·1	27·15
	27 <sup>b</sup>	26·1	26·7	26·8	27·6	28·9	29·2	28·7	27·4	24·9	24·3	26·31
	28	26·5	26·8	27·6	29·0	30·1	30·9	30·9	29·9	25·8	23·7	Hourly Means
	29	27·5	26·9	27·7	29·0	30·1	31·2	31·5	30·0	27·5	25·5	25·96
	30	27·1	27·1	28·1	29·1	30·1	30·9	30·7	29·8	27·7	26·2	26·26
	31	—	—	—	—	—	—	—	—	—	—	26·57
	32	25·1	25·5	25·5	27·9	29·1	31·1	31·1	30·5	28·1	26·2	27·42
Hourly Means												
25·96 26·26 26·57 27·42 28·21 29·28 29·11 28·18 25·90 24·79												
AUGUST.	2	23·8	24·9	25·0	27·1	29·1	31·0	31·9	30·1	28·2	27·9	25·46
	3	26·8	26·8	26·1	28·0	30·2	30·0	29·0	28·8	26·3	24·2	25·62
	4	26·9	27·0	—	29·5	30·0	30·2	29·7	28·9	27·6	26·6	26·02
	5	26·4	26·8	27·2	28·5	31·0	33·0	32·9	32·7	31·4	30·5	27·79
	6	24·2	26·0	26·7	27·9	29·4	31·0	31·4	30·6	30·0	29·9	26·26
	7	—	—	—	—	—	—	—	—	—	—	26·53
	8	25·0	26·0	26·0	27·9	28·9	29·0	28·6	27·3	25·5	25·0	27·20
	9	26·1	26·9	28·0	29·5	31·1	32·2	32·1	31·1	28·2	26·1	27·14
	10	27·9	28·4	29·0	29·9	30·9	31·7	30·9	29·7	25·8	23·4	27·12
	11	27·0	28·3	29·8	29·1	35·2	34·1	33·1	32·1	30·1	28·3	27·63
	12	28·2	28·2	29·0	29·9	30·1	30·2	30·9	30·0	28·4	27·9 <sup>h</sup>	29·14
	13	27·6	29·0	30·2	31·1	32·1	32·2	31·3	30·6	28·4	27·2	28·37
	14	—	—	—	—	—	—	—	—	—	—	28·01
	15	25·9	26·5	28·4	30·0	31·8	32·1	31·2	30·2	27·1	24·9	27·94
	16	27·9	28·9	30·1	30·6	31·5	31·8	31·7	31·1	28·0	25·5	29·19
	17	28·4	28·9	30·0	31·0	32·9	32·0	31·0	29·9	27·9	27·6	24·68
	18	28·8	28·9	30·0	31·1	33·5	34·3	32·5	31·1	29·0	27·1	26·17
	19	26·1	26·5	26·5	27·9	28·0	27·1	25·1	24·8	22·9	23·5	24·98
	20	26·7	26·6	27·0	28·1	29·3	28·4	27·0	25·6	22·0	22·2	24·63
	21	—	—	—	—	—	—	—	—	—	—	24·34
	22	24·3	24·1	25·6	27·2	28·0	28·1	27·2	25·0	23·1	22·3	23·76
	23	24·4	24·9	25·9	28·1	29·8	30·8	30·1	29·5	25·0	21·7	23·82
	24	25·9	26·1	26·5	27·7	29·5	29·2	28·4	27·5	24·9	24·0	25·22
	25	25·2	26·1	26·5	27·9	28·8	28·3	27·4	26·5	24·1	23·2	23·84
	26	22·7	22·7	23·3	24·1	26·0	26·9	26·0	24·8	22·1	23·6	24·31
	27 <sup>b</sup>	26·0	25·1	25·5	28·0	30·0	29·3	27·5	26·4	24·4	22·9	25·42
	28	—	—	—	—	—	—	—	—	—	—	Hourly Means
	29	23·5	23·2	24·4	25·9	27·2	27·4	26·4	25·2	23·4	22·9	26·04
	30	25·0	25·1	26·4	28·1	28·7	27·5	26·2	25·2	23·0	23·0	26·44
	31	26·3	25·6	26·0	26·5	27·3	27·6	28·0	26·4	24·0	21·1	27·16
	Hourly Means											
26·04 26·44 27·16 28·48 30·01 30·21 29·52 28·50 26·18 25·10												

<sup>f</sup> Magnet removed for observations of absolute intensity on the 4th, 11th, 19th, and 25th.  
<sup>g</sup> Brass bar suspended.

<sup>h</sup> Late (time not recorded).  
<sup>i</sup> The zero of the scale observed, 42·6.  
<sup>k</sup> Two and a-half minutes late.

<sup>l</sup> Two minutes late; magnet removed for observations of absolute intensity.



DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time. } }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
SEPTEMBER.	1 <sup>a</sup>	15.3	17.5	19.0	19.0	19.6	20.0	22.0	23.7 <sup>b</sup>	22.1	22.4	22.9	22.4	20.5
	2 <sup>a</sup>	17.9	19.2	18.8	19.9	21.0	—	—	21.0	21.1	21.4	21.5	21.6	22.9
	3	19.8	19.0	17.9	18.0	19.9	21.9	20.8	22.0	21.9	22.0	22.0	23.0	22.1
	4	22.2	20.9	20.2	19.9	21.7	22.9	21.9	22.0	22.1	22.9	22.9	22.8 <sup>c</sup>	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	20.9
	6	18.8	20.8	22.9	23.9	23.9	22.9	21.4	22.8	22.9	23.3	23.6	23.7	23.4
	7	21.3	22.3	22.2	22.6	22.1	21.0	21.3	22.9	23.7	23.9	23.8	24.0	24.9
	8 <sup>a</sup>	17.6	20.2	19.9	19.0	19.9	21.8	22.1	23.7	23.1	23.9	24.0	24.1	24.0
	9	19.9	20.0	20.9	22.6	24.0	25.5	24.0	24.1	24.0	24.3	24.1	24.1	24.5
	10	22.2	23.0	23.1	23.6	24.1	24.9	24.8	24.9	24.9	24.8	25.0	25.0	24.9
	11	25.0	25.0	24.8	23.9	24.0	25.0	25.9	25.1	25.9	25.9	25.9	25.9 <sup>c</sup>	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	23.8
	13	24.8	22.7	24.1	24.0	22.0	22.9	24.0	26.2	26.2	26.8	26.1	26.0	25.8
	14	23.0	22.9	22.3	22.9	24.2	24.5	25.0	25.8	25.9	25.8	26.0	26.1	26.1
	15 <sup>a</sup>	23.8	27.3	27.9	27.1	26.9	26.3	26.1	26.9	27.5	27.9	27.4	27.2	27.0
	16	27.2	29.0	29.8	28.1	27.0	26.0	27.4	27.6	27.6	28.0	28.1	27.3	27.3
	17	24.9	26.9	27.5	27.0	26.5	25.9	26.0	27.5	28.0	28.1	29.0	28.1	28.8
	18	27.7	27.9	27.7	27.9	27.0	26.9	27.8	27.9	28.0	27.9 <sup>d</sup>	28.9 <sup>e</sup>	29.0 <sup>e</sup>	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	22.8
	20	24.3	24.8	24.2	22.8	21.8	21.4	21.9	24.0	23.8	25.0	25.0	24.9	25.1
	21	21.8	22.4	22.9	23.4	22.9	23.0	24.1	24.6	24.3	24.5	24.9	24.8	24.9
	22 <sup>a</sup>	25.8	—	23.2	23.2	23.1	24.1	24.1	24.0	25.2	24.6	24.5	24.3	24.1
	23	27.0	28.1	29.0	28.0	27.0	26.8	26.1	25.9	25.7	26.0	25.9	25.7	25.0
	24	29.0	30.9	29.3	27.9	26.0	25.2	23.4	22.2	21.1	21.0	20.7	19.6	21.0
	25	23.6	22.4	23.7	21.1	21.5	17.6	18.9	21.6	21.0	20.3	19.5	19.1	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	23.4
	27	22.9	26.0	25.1	25.0	23.9	21.1	22.0	23.9	23.3	24.0	24.6	24.3	24.7
	28	24.2	26.5	26.1	25.0	22.0	22.0	22.2	23.9	24.2	25.0	25.0	25.0	24.6
	29 <sup>a</sup>	22.3 <sup>f</sup>	24.6 <sup>d</sup>	24.3	22.0	20.8	18.1	18.9	20.0	20.2	21.2	21.0	20.8	20.9
	30	25.2	26.0	24.7	23.6	21.3	19.9	20.3	21.8	21.7	21.9	22.2	22.0	22.0
Hourly Means	22.98	23.85	23.90	23.55	23.23	23.10	23.30	24.08	24.05	24.34	24.40	24.26	24.05	
OCTOBER.	1	19.0 <sup>g</sup>	21.8 <sup>h</sup>	23.0	22.0	20.1	20.0	20.1	21.4	22.0	20.9	21.1	20.1	20.1
	2	24.0	25.0	24.0	21.2	20.0	20.1	21.0	22.0	22.0	22.0	21.9	21.9	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	20.2
	4	26.9	27.9	27.3	25.0	23.1	21.9	21.1	22.3	23.6	24.0	23.9	23.9	23.7
	5	25.4	26.0	26.3	25.7	23.8	22.8	23.0	24.0	24.8	25.1	25.6	24.6	24.5
	6	23.6 <sup>g</sup>	23.6	25.1	24.1	23.2	23.1	24.0	23.7	23.5	23.9	23.9	23.2	23.0
	7	24.1	25.2	27.0	26.9	24.3	23.4	23.0	23.8	23.0	23.0	23.9	23.0	22.5
	8	25.7	26.8	26.9	25.2	24.0	23.0	21.6	20.6	23.0	23.0	22.1	21.7	22.9
	9	24.6	25.1	25.1	26.2	24.0	24.0	23.0	24.0	26.0	23.4	23.7	23.1 <sup>i</sup>	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	22.1
	11	23.9	25.1	25.9	25.9	24.5	24.0	24.5	25.0	25.1	25.3	24.9	25.0	25.0
	12	23.1	28.8	28.2	26.0	24.0	23.1	24.5	25.9	26.3	26.5	25.8	25.1	24.8
	13	24.1 <sup>g</sup>	23.8	23.4	24.0	23.0	21.6	22.0	23.1	22.9	23.9	24.0	23.0	23.0
	14	25.5	24.8	24.2	23.1	21.1	20.2	22.0	24.0	23.9	23.7	24.0	24.2	23.9
	15	26.9	28.0	27.6	25.4	23.1	21.1	21.7	23.0	24.0	23.9	24.0	23.2	23.0
	16	23.0	24.9	25.8	24.2	22.0	19.4	20.0	23.0	23.9	24.0	24.0	23.9	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	21.0
	18	21.1	22.2	21.2	21.0	20.8	20.0	20.1	21.9	22.9	22.5	23.0	23.0	22.4
	19	23.8	24.9	24.8	24.0	22.0	20.9	20.9	22.3	22.4	22.5	22.4	22.5	22.7
	20	20.1 <sup>g</sup>	22.8 <sup>h</sup>	22.1	22.0 <sup>h</sup>	20.2	19.8	19.2	19.8	20.4	20.9	20.8	20.0	19.5
	21	21.9	23.0	23.1	22.0	19.9	19.7	18.0	19.8	20.0	20.6	20.1	20.1	20.3
	22	21.0	21.5 <sup>h</sup>	21.6	20.0	18.9	18.9	18.2	20.9	21.9	22.0	22.0	22.0	21.0
	23	20.1	20.6	19.0	19.0	17.8	18.0	20.1	22.1	23.0	23.0	23.5	23.0	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	18.6
	25	16.8	20.0	23.1	21.1	19.0	17.0	16.2	17.0	17.8	19.0	20.0	20.8	20.1
	26	17.0	19.6	21.0	20.2	18.7	18.0	18.9	18.7	20.2	20.2	20.0	19.8	20.0
	27	12.7 <sup>g</sup>	16.0	16.7	16.1	14.6	13.7	15.1	17.0	19.0	18.9	18.9	19.0	18.0
	28	20.8	20.0	20.1	19.1	17.0	15.9	16.7	17.4	18.9	19.7	20.0	19.5	19.5
	29	22.8	24.8	24.8	23.3	22.0	19.9	19.0	19.9	20.7	21.5	21.5	20.0	19.2
	30	21.0	22.9	23.0	22.4	21.0	19.0	18.4	20.0	20.5	20.8	20.8	20.2 <sup>j</sup>	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	21.4
Hourly Means.	22.26	23.66	23.86	22.89	21.23	20.33	20.47	21.64	22.37	22.47	22.53	22.15	21.63	

<sup>a</sup> Magnet removed for intensity observations, probably before or after the observation at 0<sup>h</sup>.

<sup>b</sup> Zero of the scale observed between 8<sup>h</sup> and 10<sup>h</sup>, 43.9.

<sup>c</sup> Brass bar suspended.

<sup>d</sup> Late (time not recorded).

<sup>e</sup> 9 minutes late.

<sup>f</sup> 2 minutes late.

DECLINATION.												
Zero Scale Division, September 1st to 30th, 43°0'; October 1st to 31st, 43°0'.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
SEPTEMBER.	1 <sup>a</sup>	21·4	22·2	23·5	25·0	27·0	26·9	25·9	24·1	20·8	18·8	21·54
	2 <sup>a</sup>	22·1	23·0	—	25·9	26·5	25·8	24·8	23·8	21·1	19·8	21·41
	3	21·5	22·1	22·6	24·6	26·8	27·2	27·0	25·5	24·0	23·2	21·86
	4	—	—	—	—	—	—	—	—	—	—	21·42
	5	21·0	21·2	22·0	22·9	24·8	23·0	21·2	19·8	16·9	16·3	22·75
	6	23·0	23·1	24·0	25·0	26·1	25·6	24·8	23·0	20·6	20·7	23·23
	7	23·9	24·1	24·1	25·5	26·8	26·0	25·2	24·5	22·4	20·9	22·32
	8 <sup>a</sup>	23·9	24·0	24·2	25·5	25·9	25·2	24·7	23·7	20·2	19·6	23·77
	9	24·7	24·9	24·8	25·6	26·6	26·0	25·5	24·7	24·0	22·5	24·39
	10	24·5	24·1	24·7	25·9	26·5	26·0	25·1	24·1	24·0	24·0	25·37
	11	—	—	—	—	—	—	—	—	—	—	25·07
	12	24·0	24·1	23·9	28·1	30·1	29·1	28·0	27·1	26·9	25·6	25·29
	13	25·5	26·0	26·1	27·0	27·9	26·2	25·9	24·9	23·4	23·0	26·74
	14	26·1	26·5	26·7	28·3	28·5	27·0	26·8	26·0	25·0	25·9	27·42
	15 <sup>a</sup>	26·9	26·7	27·6	28·9	29·0	28·3	26·9	25·3	24·8	24·6	27·43
	16	27·1	27·6	27·4	28·9 <sup>d</sup>	28·1	27·3	26·2	25·3	24·8	24·2	26·22
	17	29·1	28·6	28·3	30·5	30·1	28·1	27·5	26·2	26·0	26·9	23·95
	18	—	—	—	—	—	—	—	—	—	—	24·47
	19	23·5	24·0	24·1	25·9	25·9	25·0	23·9	23·0	23·8	23·5	24·62
	20	24·8	24·9	24·9	27·0	27·1	25·9	24·6	23·6	21·6	21·5	26·47
	21	25·4	25·4	25·6	27·3	27·9	27·0	26·0	25·7	25·3	25·2	24·85
	22 <sup>a</sup>	24·7	25·0	25·0	26·6	26·3	25·7	24·9	24·8	25·8	26·1	21·63
	23	25·1	25·2	26·5	27·7	27·9	27·0	27·0	27·1	27·4	28·0	23·72
	24	22·1	23·2	27·2	28·1	27·7	27·0	26·3	27·1	28·0	25·1	23·68
	25	—	—	—	—	—	—	—	—	—	—	20·74
	26	22·9	22·4	22·5	24·0	24·0	22·0	21·5	19·9	19·5	19·0	21·71
	27	24·0	24·0	23·4	25·9	25·1	23·9	23·8	23·1	23·0	24·1	—
	28	24·2	24·0	—	23·6	23·2	21·1	20·9	20·1	23·2	26·1	—
	29 <sup>a</sup>	21·8	21·1	19·7	20·0	19·1	18·8	18·9	19·4	20·9	22·1	—
	30	21·9	21·1	21·0	22·0	21·0	20·2	19·3	18·5	19·0	20·0	—
Hourly Means	24·04	24·17	24·57	25·99	26·38	25·44	24·71	23·86	23·17	22·95	—	
OCTOBER.	1	20·4	20·0	20·8	22·0	21·7	20·5	19·0	20·0	20·0	22·5	20·67
	2	—	—	—	—	—	—	—	—	—	—	22·86
	3	22·0	22·3	23·0	25·1	25·1	25·0	25·1	24·4	23·8	25·3	22·43
	4	23·8	23·5	24·4	26·1	25·2	24·0	22·9	22·0	22·0	23·4	23·82
	5	25·5	24·5	23·9	25·0	—	22·2	21·1	20·2	20·8	22·5	24·07
	6	23·0	24·0	24·2	25·0	24·9	24·0	24·0	24·0	19·7	20·9	23·49
	7	23·0	23·0	24·0	25·0	24·2	23·4	22·8	21·0	20·3	22·6	23·52
	8	22·2	22·4	—	23·3	22·9	22·0	21·2	21·2	22·0	23·3	23·02
	9	—	—	—	—	—	—	—	—	—	—	23·17
	10	23·1	23·9	23·4	22·0	20·1	19·0	17·3	18·5	19·3	21·1	24·57
	11	25·0	24·9	24·4	24·0	24·0	23·3	23·2	23·0	23·4	25·9	25·38
	12	25·5	25·0	25·2	26·8	26·1	26·4	27·1	26·7	25·4	29·0	22·55
	13	22·5	22·9	22·1	21·2	20·7	19·6	19·5	20·1	20·5	22·6	23·69
	14	24·2	24·3	24·1	25·2	23·1	22·3	22·0	23·7	25·0	26·0	23·36
	15	23·1	23·0	23·0	24·0	23·0	22·0	20·0	19·0	19·0	21·1	21·80
	16	—	—	—	—	—	—	—	—	—	—	21·57
	17	20·9	21·0	21·8	21·1	19·6	18·8	17·9	17·4	17·3	19·2	22·13
	18	22·5	22·6	22·3	23·1	21·9	20·9	19·6	19·0	19·6	21·0	20·26
	19	22·0	22·0	23·0 <sup>k</sup>	23·0	21·0	19·5	19·6	19·1	19·8	21·0	20·05
	20	20·0	21·0	19·8	22·8	22·0	20·9	20·3	19·0	19·3	20·9	20·37
	21	20·0	20·0	20·5	21·0	19·9	18·0	17·5	17·0	19·0	20·1	18·80
	22	20·8	20·9	21·2	21·4	19·9	17·9	17·1	17·0	18·9 <sup>l</sup>	19·2	18·07
	23	—	—	—	—	—	—	—	—	—	—	18·67
	24	18·0	18·3	15·2	13·9	13·1	14·0	12·9	12·1	13·9	16·7	16·74
	25	20·0	17·7	18·9	18·9	16·9	17·0	14·0	13·5	13·3	15·0	18·29
	26	19·2	19·0	19·0	17·5	16·1	15·5	14·8	14·7	16·0	16·3	20·17
	27	17·0	17·0	17·0	18·0	16·1	15·8	17·1	16·9	19·1	20·0	20·54
	28	19·5	18·9	18·0	16·3	15·0	14·5	14·0	14·4	17·7	19·5	—
	29	19·4	18·8	18·9 <sup>k</sup>	18·6	17·3	16·5	16·9	16·1	17·9	19·9	—
	30	—	—	—	—	—	—	—	—	—	—	—
	31	21·2	21·9	21·3	21·5	20·0	18·0	17·2	17·5	19·2	21·2	—
Hourly Means	21·68	21·65	21·58	21·99	20·79	20·04	19·39	19·13	19·70	21·39	—	

<sup>a</sup> Magnet removed for intensity observations on the 1st, 6th, 13th, 20th, and 27th. On the 1st the Zero division observed 43·9

<sup>h</sup> Late (time not recorded).  
<sup>i</sup> Brass bar suspended.

<sup>k</sup> 4 minutes late.  
<sup>l</sup> 13 minutes late.

DECLINATION.														
Angular Value of one Scale of Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
NOVEMBER.	1	20.0 <sup>a</sup>	23.1	23.4	23.9	22.1	19.9	18.6	20.9	21.8	21.8	21.7	21.5	21.1
	2	20.5	24.4	24.5	23.1	21.9	19.0	18.9	21.0	22.9	22.9	22.1	22.0	22.1
	3	17.9 <sup>a</sup>	21.4	22.9	24.0	23.1	20.8	19.0	19.0	20.2	20.6	20.4	20.2	—
	4	18.9	19.9	20.8	22.0	21.9	21.0	20.1	20.2	20.0	20.2	21.0	20.8	19.0
	5	20.2	21.9	21.5	22.4	23.0	22.0	21.4	20.1	19.0	20.0	20.0	19.9	20.0
	6	21.6	21.7	20.0	21.0	19.8	19.9	20.9	20.7	20.2	21.1	21.1	20.8 <sup>d</sup>	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	20.7
	8	20.0	20.2	20.2	20.9	20.5	21.0	21.9	22.5	23.2	23.9	23.2	22.8	21.9
	9	26.8	26.5	27.3	24.0	21.1	20.0	21.1	21.9	22.9	23.5	23.0	23.0	23.0
	10	22.5 <sup>a</sup>	23.2	22.9	21.9	20.5	20.0	21.2	23.1	24.0	24.1	24.1	23.6	24.9
	11	26.0	27.8	26.4	24.0	23.1	21.9	22.8	24.0	25.0	24.9	25.0	24.9	24.5
	12	25.0	25.1	23.9	22.8	22.1	22.0	21.1	23.9	25.2	25.2	26.0	25.4	25.2
	13	27.6	28.0	27.9	26.1	22.2	20.0	21.0	24.9	25.0	25.1	25.0	24.9	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	24.9
	15	24.5	26.1	26.2	26.0	24.4	22.8	22.8	25.0	25.0	25.6	25.0	25.1	24.8
	16	26.9	28.1	28.1	27.0	25.0	23.0	22.9	25.0	25.0	25.4	25.9	25.9	25.6
	17	25.7 <sup>a</sup>	—	24.8	24.7	22.5	20.9	20.7	23.1	22.6	24.0	24.4	24.7	24.3
	18	24.0	25.9	26.4	25.5	23.3	21.9	21.7	19.6	19.5	18.0	18.1	21.7	18.8
	19	20.0	20.9	22.9	24.0	23.5	22.0	21.4	24.5	23.6	23.0	22.0	23.0	21.5
	20	20.2	21.8	21.6	22.1	19.8	21.9	20.8	23.0	23.9	23.8	23.8	23.0	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	23.0
	22	21.0	22.0	24.0	24.0	24.0	24.0	23.4	24.1	23.9	24.0	23.5	23.1	22.9
	23	25.9	25.8	26.8	26.8	24.9	24.9	24.9	24.0	26.2	26.3	25.7	26.4	25.5
	24	28.0 <sup>a</sup>	23.6	—	22.2	21.9	21.1	20.2	20.2	20.9	20.9	20.1	19.8	20.0
	25	22.0	22.0	21.0	20.4	20.3	19.0	19.1	21.5	22.9	22.7	22.0	21.2	21.7
	26	— <sup>g</sup>	—	—	—	—	—	15.2	17.0	19.0	19.9	19.7	19.2	19.1
	27	21.0	22.0	22.0	21.4	19.0	18.1	18.8	19.4	19.9	20.2	20.8	20.8	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	19.0
	29	17.3	20.2	21.2	20.7	18.2	17.1	17.2	18.8	19.9	19.5	19.8	19.4	19.0
	30	18.0	19.3	20.0	— <sup>g</sup>	—	—	—	19.2	19.9	20.0	20.0	20.0	— <sup>g</sup>
Hourly Means <sup>h</sup>	22.65	23.55	23.77	23.37	22.00	21.01	20.91	22.10	22.61	22.78	22.65	22.66	22.32	
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	25.0	
	3	21.9 <sup>k</sup>	—	23.8	22.8	21.1	21.6	20.6	22.7	22.7	23.0	22.4	21.4	21.1
	4	21.0	20.4	22.0	23.1	21.0	20.1	21.9	23.2	24.0	25.0	24.0	23.1	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	21.0
	6	22.2	25.4	24.0	23.6	21.4	21.4	22.9	24.9	23.7	23.7	23.4	22.8	— <sup>i</sup>
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	19.2
	10	19.0	21.2	20.0	18.6	17.9	16.6	17.0	18.8	18.9	19.3	18.9	19.2	19.2
	11	20.1	19.3	18.3	17.0	15.8	15.0	16.0	19.6	20.6	20.2	19.8	19.0	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	19.7
	13	17.9	19.4	20.9	19.9	18.0	17.1	17.1	18.9	19.4	20.1	20.6	20.4	20.3
	14	19.0	20.4	20.8	20.0	19.9	18.1	17.8	17.1	17.0	15.1	19.9	16.1	15.7
	15	— <sup>l</sup>	—	14.0	15.0	15.2	15.0	16.0	17.9	19.0	19.1	18.6	18.4	19.0
	16	—	—	18.3	—	—	—	18.4	19.6	20.8	—	20.2	—	20.0
	17	19.1	21.0	21.9	21.0	22.5	20.5	20.4	22.2	22.5	22.1	22.9	20.9	21.0
	18	19.0	—	17.5	18.8	16.9	16.9	16.8	18.3	19.5	19.8	19.9	20.0	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	18.4
	20	17.8	18.1	18.1	16.8	16.2	18.2	20.0	20.9	21.1	21.1	21.0	20.0	19.7
	21	21.0	21.0	20.4	18.8	17.8	18.2	20.3	20.4	21.0	21.0	20.7	20.2	19.1
	22	20.5 <sup>l</sup>	—	16.6	15.9	15.0	15.1	17.0	16.5	19.6	19.0	18.9	18.9	18.1
	23	20.0	18.1	17.2	17.0	17.9	16.1	16.9	19.0	20.0	20.0	20.2	19.8	18.9
	24	19.1	19.0	18.1	18.2	18.7	19.2	19.0	20.0	21.0	20.0	20.1	20.0	—
	25 <sup>m</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	19.4
	27	19.0	19.0	19.2	18.2	17.6	17.0	17.2	18.9	20.3	21.0	20.5	20.0	19.9
	28	21.2	23.1	23.5	22.1	19.9	18.1	18.7	19.9	20.8	21.0	21.0	21.5	21.0
	29	— <sup>l</sup>	—	22.0	20.2	18.6	18.0	18.4	19.1	19.9	20.0	19.9	19.5	19.0
	30	19.9	20.0	24.0	22.0	18.2	19.5	17.9	19.0	20.0	20.0	18.6	17.9	17.9
	31	17.9	17.4	16.9	17.5	18.0	18.6	19.0	18.4	20.0	19.7	19.6	19.7	19.8
Hourly Means	19.61	19.81	19.67	19.10	18.22	17.84	18.32	19.52	20.40	20.34	20.38	19.79	19.41	

<sup>a</sup> Magnet removed for intensity observations.<sup>b</sup> Two minutes late.<sup>c</sup> Late (time not recorded).<sup>d</sup> Brass bar suspended.<sup>e</sup> Three minutes late.<sup>f</sup> One minute and a half late.<sup>g</sup> Instrument employed in temperature experiments<sup>h</sup> Observations of the 26th and 30th not included

in the means.

DECLINATION.												
Zero Scale Division, November 1st to 30th, 43°0'; December 1st and 2nd, 43°0'; 3rd to 31st, 40°0'.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
NOVEMBER.	1	21·0	20·5	20·2	20·9	19·6	19·0	18·2	18·2	17·3	19·0	20·55
	2	22·0	21·8	21·6	20·1 <sup>c</sup>	19·0	16·9	15·1	14·8	18·0	21·0	21·02
	3	—	—	20·0	21·1	20·1	17·1	15·7	15·0	15·9	16·1	19·55
	4	19·0	19·0	19·0	18·0	17·1	17·0	15·9	16·0	15·9	18·0	19·40
	5	20·0	18·5	17·1	16·7	18·1	18·4	18·0	17·2	18·2	20·0	19·78
	6	—	—	—	—	—	—	—	—	—	—	—
	7	21·8	21·8	21·0	19·1	18·0	17·2	16·5	15·9	18·8	19·0	20·32
	8	22·0	21·7	20·0	20·0	19·5	19·0	19·2	18·5	22·0	23·7	21·34
	9	23·0	22·5	21·6	20·8	19·4	18·8	18·5	18·0	19·0	20·5	22·42
	10	23·1	23·0	21·8	20·9	19·7	19·7	19·4	19·8	22·2	24·6	22·49
	11	24·0	24·0	23·3	22·5	21·0	19·9	18·6	18·1	21·0	23·0	23·75
	12	24·6	24·2	23·9	22·5	19·9	20·0	20·0	20·8	23·2	24·8	23·64
	13	—	—	—	—	—	—	—	—	—	—	—
	14	25·0	24·9	24·0	23·8	22·0	20·3	19·9 <sup>c</sup>	19·4	19·3	22·0	23·92
	15	23·9	24·0	23·5	22·2	20·6	19·2	18·3	17·9	19·0	22·0	23·62
	16	25·2	25·0	23·9	—	21·9	21·2	21·0	20·5	20·9	23·4	24·62
	17	23·0	24·2	23·4	23·9	23·2	21·7	21·3	20·0	21·0	21·1	23·20
	18	18·0	16·8	18·1	16·7	14·6	14·8	14·2	14·9	15·7	17·1	19·73
	19	20·9	20·0	—	23·1	20·9	20·0	19·0	18·8	18·9	18·5	21·66
	20	—	—	—	—	—	—	—	—	—	—	—
	21	23·6	22·9	23·0	22·4	21·0	20·0	19·8	18·9	19·8	20·0	21·82
	22	22·5	22·0	22·0	22·0	21·5	20·4	22·9	23·0	23·0	22·9	22·85
	23	24·8	24·9	23·0	22·0	20·6	19·6	20·0	21·0	22·0	22·5	24·45
	24	19·9	19·2	18·7	18·4	18·0	16·5	16·2	16·0	17·1	19·0	18·57
	25	21·4	20·8	20·0	18·8	17·3	16·2	16·6	16·2	18·6	21·0	20·51
	26	19·5	18·9	18·0	17·7	17·0	16·3	16·3	17·1	17·8	19·2	—
	27	—	—	—	—	—	—	—	—	—	—	—
	28	19·1	19·0	18·1	17·5	17·0	16·6	16·5	15·6	16·7	13·7	19·19
	29	18·6	18·9	17·2	17·1	17·0	16·0	15·7	15·2	15·3	17·1	18·23
	30	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	22·02	21·72	21·06	20·50	19·46	18·56	18·19	17·90	19·12	20·42		
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	24·1	23·8	22·1	24·0	23·1	21·9	20·0	19·5	22·0	22·6	—
	3	20·9	20·5	21·1	—	20·9	18·3	17·9	17·2	18·8	21·1	21·25
	4	—	—	—	—	—	—	—	—	—	—	—
	5	21·1	21·0	20·5	20·2	19·9	19·0	18·6	18·0	18·6	19·7	21·43
	6	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—
	9	20·0	17·9	17·1	15·6	15·9	15·4	15·0	13·4	13·6	15·7	—
	10	19·1	18·4	17·9	16·1	15·5	14·1	13·2	13·8	15·1	18·1	17·93
	11	—	—	—	—	—	—	—	—	—	—	—
	12	19·7	19·2	19·0	18·1	17·0	15·5	13·5	12·1	12·2	14·9	17·98
	13	20·1	19·7	18·4	19·7	19·2	16·8	16·0	14·0	15·5	15·5	18·62
	14	15·1	14·0	16·5	17·1	16·8	15·0	14·6	15·0	15·1	16·9	17·32
	15	—	19·8	18·5	—	—	15·8	—	—	12·9	—	16·97
	16	19·9	19·1	20·5	20·8	19·1	18·0	17·0	15·6	16·2	18·4	19·11
	17	20·9	20·0	20·0	21·1	20·8	19·9	19·0	18·0	18·1	18·9	20·87
	18	—	—	—	—	—	—	—	—	—	—	—
	19	18·8	17·5	18·0	18·1	17·5	15·6	14·9	15·2	15·5	16·2	17·74
	20	19·2	19·8	19·0	18·5	17·5	17·5	17·0	16·5	18·6	20·3	19·14
	21	20·0	19·3	20·1	19·9	19·9	19·4	19·1	18·2	18·4	19·7	19·82
	22	17·4	17·8	18·0	18·5	17·8	17·9	17·0	15·9	—	17·4	17·81
	23	19·0	18·9	17·9	18·2	17·4	16·8	15·1	15·0	15·2	17·9	18·24
	24	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>m</sup>	—	—	—	—	—	—	—	—	—	—	18·82
	26	19·0	18·8	17·4	16·9	16·4	16·4	16·1	16·3	17·9	18·9	—
	27	19·4	19·0	18·7	17·5	17·8	17·3	16·6	16·8	18·0	19·8	18·80
	28	21·0	20·5	19·2	19·0	18·1	17·0	15·9	15·4	16·2	20·7	19·91
	29	19·0	19·0	18·6	16·7	15·4	14·6	13·9	13·3	19·0	17·1	18·92
	30	18·3	18·6	17·4	17·6	17·8	17·4	16·0	15·2	14·2	16·2	18·59
	31	19·9	19·8	18·3 <sup>n</sup>	18·4	17·4	15·0	18·8	17·1	11·9	12·8	17·88
Hourly Means <sup>o</sup>	19·36	19·03	18·75	18·47	18·01	16·86	16·33	15·72	16·18	17·92		

<sup>i</sup> Instrument employed in temperature experiments; readjusted on the 2nd with a new lens, and again on the 6th with a new suspension thread.

<sup>k</sup> Seven minutes late; zero division of the scale observed on the 2nd 40·3.

<sup>l</sup> Magnet removed for observations of intensity.

<sup>m</sup> Christmas-day.

<sup>n</sup> Two minutes late. <sup>o</sup> Observations of the 2nd, 6th, and 9th not included in the means.

HORIZONTAL FORCE.													
One Scale Division = .00022 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00018.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	15.2	13.3	14.1	13.8	12.3	12.0	9.9	10.5	8.8	9.5	10.2	10.9
	2	19.1	18.0	17.0	16.9	16.6	16.2	15.7	14.7	13.1	12.9	14.2	14.9
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	21.1	20.2	20.2	20.1	19.0	16.9	16.0	17.1	17.6	17.2	18.1	18.1
	5	23.5	22.1	21.9	21.9	21.4	20.8	20.5	20.0	20.2	20.0	20.0	20.1
	6	27.0	26.2	26.5	26.1	25.2	24.2	24.5	22.7	22.1	21.2	21.8	22.1
	7	24.4	23.2	21.1	20.1	19.0	17.6	16.9	19.4	20.0	20.5	21.1	21.2
	8	28.2	26.2	26.1	26.0	25.6	23.3	20.6	22.1	22.8	21.9	22.1	22.8
	9	31.6	29.5	28.1	27.3	25.3	23.8	23.0	22.1	22.0	23.0	23.0	22.5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	30.1	30.4	30.5	29.4	28.2	27.7	26.0	25.0	26.0	25.2	25.9	25.0
	12	33.2	33.5	35.6	34.8	32.2	31.1	29.6	28.0	29.6	29.8	29.2	30.1
	13	31.9	32.0	28.9	31.0	29.6	29.2	27.8	29.3	24.9	24.2	25.0	25.0
	14	32.0	31.9	30.5	28.3	24.2	21.2	20.2	19.0	21.0	20.7	22.2	28.0
	15	31.9	31.0	29.2	25.5	27.0	26.5	24.3	22.9	19.7	21.2	21.8	23.1
	16	29.0	31.0	31.9	32.2	33.0	32.2	31.2	27.5	27.1	27.1	—	27.2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	34.6	34.6	34.3	33.9	32.6	32.0	31.2	29.8	29.9	29.9	29.6	29.9
	19	35.2	36.0	35.3	36.8	34.0	29.4	25.8	26.0	28.0	19.0	19.6	19.1
	20	33.0	30.9	30.0	29.9	26.0	26.6	23.9	29.0	21.0	23.8	22.9	23.5
	21	34.1	34.9	34.4	33.2	32.0	31.8	30.0	26.1	24.0	24.9	24.7	24.8
	22	31.9	33.1	33.0	33.2	31.3	31.2	29.2	27.2	27.9	28.6	28.8	28.9
	23	36.2	35.4	35.0	33.1	32.9	32.1	32.6	29.8	29.6	30.8 <sup>c</sup>	28.4	29.1
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	38.9	36.0	38.1	36.0	36.0	35.0	31.0	30.9	31.2	31.7	32.4	33.0
	26	38.4	35.7	35.6	34.9	33.9	33.5	32.7	28.9	26.7	28.1	28.2	30.5
	27	33.5	34.8	35.0	36.2	37.5	34.2	33.6	30.5	28.9	28.9	26.8	27.4
	28	33.8	34.8	34.1	33.5	30.9	31.0	31.0	31.9	31.2	28.4	30.9	31.1
	29	38.0	37.2	36.8	36.1	34.9	34.0	33.1	30.1	30.2	30.9	31.1	33.4
	30	41.0	40.8	40.0	39.1	35.7	35.0	33.5	32.2	33.2	32.0	31.0	29.8
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>a</sup>	30.63	30.08	29.73	29.21	28.02	26.94	25.61	24.82	24.14	23.98	24.08	24.87	
TEMPERATURE OF THE BIFILAR MAGNET.													
JANUARY.	1	66.0	66.7	67.0	67.7	67.4	68.5	68.7	67.6	66.9	67.5	66.1	66.9
	2	67.0	67.7	68.0	68.3	68.6	68.7	68.5	67.9	67.4	67.0	66.8	66.4
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	66.0	66.1	67.0	67.4	67.9	68.0	68.4	67.2	66.9	66.3	66.1	66.0
	5	65.5	65.8	66.1	66.4	66.8	67.0	67.0	66.1	66.0	66.0	65.8	65.7
	6	65.2	65.9	66.1	66.7	67.0	66.5	66.8	65.8	65.2	65.1	65.0	65.0
	7	65.1	65.3	66.0	66.1	66.2	66.2	66.1	65.5	65.6	65.5	65.4	65.2
	8	65.1	66.0	66.7	67.1	67.6	67.7	67.3	66.4	65.9	65.9	65.8	65.7
	9	64.8	65.1	65.8	66.2	66.8	67.0	66.8	66.0	66.0	65.7	65.2	65.4
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	65.7	66.0	66.1	66.7	67.0	67.0	67.0	66.0	65.8	65.7	65.2	65.1
	12	65.5	66.0	66.9	67.4	67.6	67.7	67.9	67.0	66.4	66.0	65.7	65.7
	13	65.7	66.0	67.7	67.2	67.9	68.0	67.8	67.8	66.1	66.2	66.0	66.0
	14	66.0	66.6	67.0	67.6	67.9	68.0	68.0	68.0	66.2	66.1	56.1	65.8
	15	65.7	66.5	67.2	68.0	68.4	68.7	68.7	67.8	67.0	66.9	66.7	66.7
	16	66.8	67.0	67.4	68.0	68.5	68.5	68.1	67.9	67.0	67.0	—	66.9
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	66.1	66.9	67.6	68.0	68.2	68.5	68.6	68.0	67.1	67.0	67.0	66.8
	19	66.0	66.3	66.9	67.4	67.8	67.8	67.8	67.2	67.0	66.8	66.4	66.4
	20	66.2	66.9	67.0	67.5	67.0	67.0	67.1	66.9	67.0	66.8	67.0	66.7
	21	66.0	66.9	67.7	68.0	68.2	68.5	68.8	68.0	67.7	67.1	67.0	67.0
	22	67.8	68.0	68.6	68.9	69.0	69.0	69.0	68.1	67.9	67.7	67.4	67.1
	23	67.8	68.0	68.7	69.0	69.4	69.8	69.6	68.9	68.6	68.3 <sup>c</sup>	68.4	68.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	66.8	67.1	67.8	68.2	68.7	68.8	68.7	67.9	67.2	66.8	66.5	66.4
	26	66.1	66.7	67.0	67.1	67.6	67.9	68.0	67.2	66.9	66.9	66.8	66.6
	27	66.8	67.1	68.0	68.6	68.8	69.0	69.0	68.0	67.8	67.6	67.4	67.1
	28	67.8	68.4	68.7	68.6	68.7	68.9	68.9	68.3	68.0	67.9	67.8	67.8
	29	67.8	68.1	68.5	68.8	69.0	69.7	70.0	69.8	69.1	68.8	68.7	68.4
	30	67.3	68.0	68.7	69.4	70.0	70.2	70.7	70.0	69.0	68.9	68.9	68.9
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>a</sup>	66.21	66.68	67.26	67.64	67.92	68.10	68.10	67.41	66.91	66.74	66.51	66.40	

<sup>a</sup> Temperature not recorded; omitted in the means.<sup>b</sup> Three minutes late.<sup>c</sup> Late, time not stated.



HORIZONTAL FORCE.													
One Scale Divison = .00021 parts of the H. F. Change in the the Magnetic moment of the Bar for 1° Fah. = 00018.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	59.0	58.8	60.2	59.9	58.7	58.2	57.5	55.9	54.9	56.1	56.2	
	2	59.0	59.9	60.6	59.8	57.3	60.0	60.0	58.4	58.0	—	58.5	57.1
	3	66.0	66.8	64.9	62.9	61.8	61.3	60.0	59.9	60.1	60.1	60.0	60.2
	4	67.5	69.0	69.0	68.5	66.7	64.5	61.8	60.0	60.2	60.2	60.5	60.0
	5	67.0	67.8	67.1	65.1	63.3	62.8	63.0	61.0	60.9	60.8	60.8	61.0
	6	67.6	68.0	67.9	66.8	66.3	66.2	65.2	62.2	62.8	61.0	63.3	64.1
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	61.7	57.6	58.9	57.2	54.8	53.0	53.4	54.4	54.9	54.9	56.0	55.2
	9	72.5	63.4	59.0	55.9	55.1	54.0	53.1	49.2	55.2	52.3	54.8	56.1
	10	66.4	66.8	66.8	66.3	65.1	63.9	62.0	60.1	59.2	59.0	60.0	60.5
	11	69.9	70.2	67.9	66.0	62.8	60.8	60.2	60.0	58.1	57.1	56.2	55.1
	12	64.9	63.6	64.7	63.1	61.0	60.0	57.5	52.2	54.0	56.5	58.0	58.4
	13	62.8	63.0	62.8	63.3	63.3	62.3	62.0	58.8	59.2	60.0	60.2	60.1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	69.9	66.9	62.4	60.1	54.6	53.3	55.6	50.8	58.0	59.4	56.1	56.9
	16	63.0	62.5	61.9	62.1	58.0	58.0	54.9	54.9	55.6	56.8	56.1 <sup>c</sup>	59.1
	17	64.0	63.8	62.4	62.0	63.1	63.2	62.3	61.2	60.2	60.1	60.8	61.2
	18	68.0	68.5	67.0	65.2	65.1	64.2	63.0	63.0	61.8	63.2	62.8	62.6
	19	73.0	71.6	71.0	70.0	68.4	67.2	66.9	63.9	62.0	62.9	62.2	62.4
	20	69.6	68.5	67.6	66.1	65.3	65.0	63.7	63.1	64.1	64.8	64.3	63.8
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	74.8	73.1	71.5	69.1 <sup>a</sup>	68.9 <sup>a</sup>	68.1	67.3	66.5	68.0	62.4	59.2	57.4
	23	73.5	70.6	65.3	63.2	56.2	53.9	53.0	46.1	49.3	55.8	57.0	57.2
	24	68.1	68.8	67.9	66.1	62.1	63.6 <sup>b</sup>	61.0	59.0	60.0	59.0	62.0	62.0
	25	67.0	67.1	67.9	66.1	64.1	61.0	62.2	60.0	61.9	62.1	61.9	62.9
	26	70.8	68.0	64.8	64.0	65.0	66.9	60.1	62.0	62.8	61.8	58.9	66.2
	27	67.8	68.3	67.6	65.3	64.7	62.1	62.1	62.4	64.0	63.4	64.8	64.2
	28	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	67.24	66.36	65.30	63.70	61.86	61.30	60.32	58.54	59.38	59.55	59.60	60.00	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	68.8	68.7	70.5	71.5	71.9	72.2	73.5	71.9	70.8	70.1	69.9	69.2
	2	69.0	69.6	70.1	71.0	71.0	71.1	71.0	70.5	69.7	—	68.8	68.1
	3	69.0	70.0	70.4	71.0	71.6	71.9	71.9	71.0	70.0	69.6	69.1	68.8
	4	69.4	70.1	70.9	71.2	71.0	71.0	71.2	70.9	70.0	69.5	68.9	68.7
	5	68.9	69.4	70.0	70.9	71.4	71.7	71.9	71.2	71.0	69.5	69.1	69.0
	6	69.0	69.1	69.7	70.1	70.3	70.5	70.4	70.0	69.6	69.1	69.0	69.0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	69.2	70.0	70.5	71.2	72.0	72.1	72.7	70.6	70.0	69.9	69.2	69.6
	9	69.0	69.8	70.2	70.9	71.2	71.6	71.1	70.0	69.5	69.2	69.1	69.0
	10	69.1	69.2	69.6	69.7	70.0	70.1	70.0	69.7	69.0	68.8	68.7	68.5
	11	68.0	68.9	69.5	70.0	71.0	71.0	71.0	70.1	69.6	69.2	69.0	69.1
	12	69.0	69.6	69.8	69.7	70.0	70.6	71.0	70.4	70.0	69.8	69.9	69.0
	13	69.0	69.6	70.2	71.0	71.3	71.5	71.7	71.0	70.5	70.1	69.9	69.9
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	69.9	70.8	71.4	72.2	73.1	73.3	73.8	73.4	72.0	71.8	71.1	71.0
	16	71.0	71.4	72.0	72.6	73.0	73.1	72.9	71.9	71.5	72.2	71.1 <sup>c</sup>	70.9
	17	70.0	70.2	70.6	70.8	71.0	71.0	70.9	70.0	70.1	70.0	70.0	69.8
	18	69.1	69.7	70.1	70.4	71.4	70.6	70.1	69.4	69.1	69.0	69.0	69.0
	19	69.0	69.0	69.3	69.7	69.8	69.8	69.4	69.0	69.0	69.2	69.0	69.2
	20	69.3	69.4	70.0	70.0	70.0	70.0	70.1	69.7	69.1	70.1	69.3	69.2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	68.7	69.0	69.0	—	—	69.0	69.0	69.0	69.0	69.0	69.1	69.0
	23	68.0	68.0	68.3	68.7	69.0	68.9	69.1	69.0	68.8	68.0	68.2	68.1
	24	68.5	69.0	69.0	69.0	69.1	—	70.3	70.0	69.0	68.9	68.8	68.6
	25	69.1	69.8	70.0	70.0	71.0	71.2	71.5	71.0	70.2	70.0	70.0	70.0
	26	69.1	69.2	69.8	69.9	70.0	70.2	70.0	69.4	69.2	69.2	69.1	69.1
	27	68.7	68.8	68.9	68.9	68.8	68.7	68.8	69.0	68.9	68.8	68.4	68.8
	28	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	69.07	69.51	69.99	70.45	70.82	70.92	70.97	70.34	69.82	69.61	69.32	69.19	

<sup>a</sup> Late, time not stated.  
<sup>b</sup> Ten minutes late.

<sup>c</sup> Six minutes late.  
<sup>d</sup> Two and a-half minutes late.

<sup>e</sup> Temperature not recorded; omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00021 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = 00018.													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	57.1	56.8	57.5	58.5	—	—	55.5	—	55.9	56.8	57.8	57.31
	2	—	—	60.0	60.5	60.8	61.8	62.0	61.5	63.0	63.9	64.1	59.83
	3	60.0	60.0	60.1	61.0	62.5	63.0	63.3	64.0	65.0	65.0	65.0	61.84
	4	60.8	61.0	61.4	61.2	63.0	64.0	63.0	65.0	65.4	66.8	66.8 <sup>n</sup>	63.24
	5	60.0	60.9	61.0	61.1	61.4	62.1	63.5	65.1	65.9	66.8	67.0	62.96
	6	—	—	—	—	—	—	—	—	—	—	—	60.85
	7	56.2	54.0	51.2	51.9	53.0	53.8	55.8	55.8	57.2	59.8	61.0	58.70
	8	55.7	56.2	55.9	57.7	59.9	60.4	66.8	65.1	66.3	74.2	79.0	57.63
	9	55.6	56.6	57.1	—	58.9	59.0	59.9	60.1	61.1	62.4	64.2	62.70
	10	60.4	61.0	61.3	62.1	61.4	62.1	62.9	63.7	64.1	66.1	69.0	60.76
	11	55.9	56.7	58.0	58.9	59.3	59.4	59.2	60.2	60.8	62.0	62.4	59.28
	12	58.2	56.2	60.1	60.0	60.0	59.6	60.9	60.0	60.1	60.0	61.9	62.78
	13	—	—	—	—	—	—	—	—	—	—	—	59.00
	14	62.0	61.2	61.9	63.2 <sup>b</sup>	64.1	65.2	66.1	67.0	68.1	71.1	73.1	59.17
	15	59.2	58.6	59.1	59.8	61.2	61.1	61.3	62.9	62.1	61.2	62.3	62.77
	16	59.3	59.3	61.0	61.9	61.5	60.7	61.4	62.0	62.2	62.1	62.2	64.98
	17	62.2	61.9	62.0	63.0	63.4	64.6	65.0	65.6	66.8	67.0	68.2	66.27
	18	62.6	62.6	63.2	64.0 <sup>d</sup>	69.9	65.9	67.0	68.6	70.0	72.3	73.9	65.97
	19	62.9	63.9	64.0	64.9	—	65.9	66.9	67.9	68.3	69.1	69.6	64.54
	20	—	—	—	—	—	—	—	—	—	—	—	59.02
	21	64.9	64.3	64.2	66.0	66.0	66.1	66.9	67.6	69.6	72.0	73.1	63.18
	22	57.2	55.2	56.3	58.0	59.1	60.9	62.0	65.0	66.9	69.1	74.0	64.20
	23	58.0	61.0	60.6	60.9	62.1	61.1	62.3	63.0	64.1	66.0	69.0	63.92
	24	62.2	61.6	63.0	63.1	63.0	—	—	64.0	65.1	66.6	67.0	65.64
	25	65.2	63.8	63.9	63.0	64.8	65.0	66.2	66.5	66.8	67.1	68.9	63.92
	26	62.1	61.5	66.5	62.1	62.8	62.4	64.0	64.2	64.5	68.0	68.0	65.64
	27	—	—	—	—	—	—	—	—	—	—	—	65.64
	28	64.8	65.8	66.1	66.9	67.0	66.9	66.9	66.2	66.9	69.6	70.9	
Hourly Means	60.11	60.00	60.64	61.29	62.05	62.32	62.99	63.96	64.42	66.04	67.47		

TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	69.0	68.8	68.7	68.4	—	—	68.3	—	68.3	68.4	68.8	70.01
	2	—	—	67.8	67.4	67.2	—	67.1	—	67.0	67.1	68.0	69.04
	3	68.0	68.0	67.8	67.1	67.0	—	67.0	—	67.2	67.9	68.7	69.23
	4	68.2	68.0	67.9	68.0	68.0	—	67.9	—	67.6	67.9	68.2 <sup>n</sup>	69.35
	5	69.0	68.7	68.7	68.6	68.2	—	68.2	—	68.1	68.2	68.8	69.68
	6	—	—	—	—	—	—	—	—	—	—	—	69.08
	7	68.1	68.4	68.3	68.1	68.2	—	68.3	—	68.0	68.2	68.7	69.82
	8	69.2	69.0	69.0	68.7	68.0	—	68.7	—	68.2	68.0	68.3	69.51
	9	69.0	68.8	68.7	—	68.4	—	68.2	—	68.2	68.6	68.8	68.74
	10	68.2	68.0	67.8	67.5	67.7	—	67.7	—	67.6	67.6	67.8	69.22
	11	69.0	69.0	68.7	68.6	68.4	—	68.2	—	68.0	68.0	68.4	69.41
	12	68.9	68.7	68.7	68.1	68.6	—	68.7	—	68.6	68.4	68.2	69.87
	13	—	—	—	—	—	—	—	—	—	—	—	71.46
	14	69.1	69.0	69.0	68.9 <sup>b</sup>	68.8	—	68.8	—	68.8	69.0	69.2	71.18
	15	71.0	70.0	71.0	70.4	70.4	—	70.3	—	70.2	70.1	70.5	69.80
	16	70.8	70.6	70.2	70.0	70.0	—	70.0	—	69.7	69.8	69.8	69.28
	17	69.5	69.5	69.1	68.9	68.8	—	68.8	—	68.7	68.7	69.0	69.09
	18	68.8	68.8	68.8	68.8 <sup>d</sup>	68.5	—	68.3	—	68.4	68.5	68.7	69.01
	19	69.0	68.9	68.9	68.9	—	—	68.8	—	68.8	69.0	69.0	68.53
	20	—	—	—	—	—	—	—	—	—	—	—	68.31
	21	68.2	68.1	68.4	68.0	68.0	—	68.0	—	68.0	68.0	68.2	68.86
	22	68.4	68.1	68.0	68.0	67.9	—	67.9	—	67.8	67.7	67.8	70.02
	23	68.0	68.0	67.9	67.8	67.8	—	67.8	—	67.8	67.8	68.0	69.19
	24	68.2	68.2	68.3	68.2	68.1	—	—	—	68.2	68.1	68.3	68.52
	25	69.9	69.9	69.9	69.4	69.4	—	69.2	—	69.0	69.0	69.0	
	26	69.0	69.0	68.9	69.0	68.9	—	68.7	—	68.5	68.1	68.1	
	27	—	—	—	—	—	—	—	—	—	—	—	
	28	68.0	68.0	68.0	68.3	68.3	—	68.3	—	68.3	68.1	68.0	
Hourly Means	68.89	68.76	68.69	68.48	68.39	68.40	68.40	68.34	68.29	68.34	68.62		



HORIZONTAL FORCE.													
One Scale Division = $\begin{cases} \text{1st to 12th, } \cdot 00021 \\ \text{15th to 31st, } \cdot 00018 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = $\begin{cases} \text{1st to 12th, } \cdot 00018. \\ \text{15th to 31st, } \cdot 00028. \end{cases}$													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
MARCH.	1	72·0	69·9	67·2	67·2	66·1	65·8	65·4	63·5	62·5	62·6	64·0	65·0
	2	75·4	75·1	74·1	72·8	70·0	68·5	67·0	65·1	65·9	65·7	64·9	65·6
	3	78·0	78·0	77·6	75·6	72·6	70·0	66·4	63·7	65·0	64·1	63·9	63·9
	4	76·5	75·8	74·6	72·0	70·2	69·9	69·0	68·2	67·7	68·1	67·7	67·8
	5	70·0	70·9	70·0	67·0	66·1	65·6	66·0	65·0	66·2	66·7	66·5	66·8
	6	75·8	74·8	74·1	72·6	71·2	70·0	70·0	69·2	68·9	69·8	69·9	69·9
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	73·7	78·2	77·0	76·2	74·0	71·5	70·0	68·8	66·9	77·8	69·9	69·8
	9	79·9	78·1	78·0	76·4	78·6	71·6	70·2	69·2	69·0	69·1	70·0	70·0
	10	79·4	79·8	78·2	77·0	75·1	74·0	72·0	69·1	67·0	67·2	68·2	69·5
	11	83·1	83·0	81·6	79·1	77·4 <sup>b</sup>	75·2 <sup>b</sup>	73·8	71·8	71·9	70·9	70·2	70·8
	12	79·9	80·8	79·2	78·2	76·0	74·0	73·8	73·1	72·8	72·9	72·9	72·9
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	65·0	64·8	63·9	62·1	56·0	46·6	43·0	47·4	47·0	52·6	50·0	49·0
	17	63·8	63·8	62·4	60·0	55·8	55·0	54·9	52·0	52·2	51·5	50·8	50·0
	18	62·0	62·2	61·0	59·0	54·6 <sup>b</sup>	56·0 <sup>b</sup>	52·8	50·2	51·2	51·6	53·5	53·6
	19	63·0	61·4	—	57·0	54·4	51·0	50·0	51·9	55·0	55·4	55·0	61·3
	20	60·6	60·6	59·9	59·0	57·8	56·2	54·4	52·2	51·0	53·0	59·0	58·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	73·9	76·2	75·0	52·3	46·8	40·3	34·5	42·1	42·3	39·9	52·8	50·9
	23	56·8	57·2	53·0	51·5	51·8	51·2	51·3	52·1	50·1	54·9	51·4	51·4
	24	62·1	62·4	61·1	60·0	51·6	56·4	55·8	54·1	52·1	48·7	52·6	56·5
	25	63·0	61·9	61·4	60·2	58·2	57·0	55·5	55·2	55·0	54·1	54·1	57·5
	26	69·3	67·5	66·1	64·0	61·0	58·6	56·8	54·6	56·0	57·0	55·9	57·0
	27	68·9	67·0	65·2	63·6	63·0	61·4	60·0	57·0	56·0	56·1	57·0	57·7
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	73·1	72·0	68·8	64·0	61·1	59·1	58·2	56·8	56·7	55·3	55·0	52·3
	30	68·2	66·0	65·0	61·0	56·0	55·0	55·3	55·3	55·0	55·0	57·1	58·0
	31	67·7	67·0	65·3	63·0	60·1	59·2	58·3	58·8	58·5	58·5	58·8	59·3
Hourly Means <sup>d</sup>	70·05	69·73	68·71	65·52	62·61	60·63	59·61	58·89	58·71	59·40	59·92	60·48	
TEMPERATURE OF THE BIPOLAR MAGNET.													
MARCH.	1	68·1	68·3	68·8	69·0	69·0	69·4	69·1	68·9	68·9	68·9	68·9	68·7
	2	68·8	68·7	68·9	68·9	68·9	69·0	68·9	68·5	68·6	68·8	68·6	68·7
	3	68·8	69·1	69·6	69·8	70·2	70·2	70·2	69·8	69·2	69·0	69·0	68·8
	4	68·5	69·0	69·6	70·0	70·8	71·0	70·9	70·0	69·9	69·9	69·8	69·1
	5	69·2	69·9	70·3	71·0	71·2	71·6	71·3	71·8	70·1	70·0	69·9	69·9
	6	70·0	70·4	71·1	71·4	71·6	71·8	71·8	71·0	70·6	70·1	70·0	69·9
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	70·4	71·0	71·6	72·1	73·0	73·6	73·8	73·8	71·8	71·4	71·2	70·9
	9	71·0	72·0	72·9	73·3	73·5	73·5	73·7	73·0	72·0	71·8	71·2	71·0
	10	70·8	71·0	71·5	72·2	73·2	74·0	74·0	73·2	72·2	71·9	71·2	71·0
	11	71·4	72·0	72·3	72·9	—	—	73·9	73·0	72·2	72·0	71·9	71·7
	12	71·0	—	—	—	—	71·6	71·4	71·0	71·0	71·0	70·9	70·9 <sup>c</sup>
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	70·8	71·0	71·5	71·8	72·0	72·0	72·0	71·0	71·0	70·9	70·8	70·8
	17	70·0	70·3	70·7	70·9	71·0	71·0	71·1	70·5	70·8	70·7	70·8	70·4
	18	69·9	70·0	71·2	71·0	—	—	70·9	70·2	70·1	70·0	70·2	70·1
	19	69·3	69·6	—	69·6	69·8	69·8	69·8	69·0	69·0	69·0	69·0	69·0
	20	68·6	69·9	69·4	69·9	70·0	70·1	69·9	69·0	68·9	68·8	68·7	68·6
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	68·8	69·4	70·0	70·2	70·5	70·0	70·6	70·2	70·0	69·9	69·8	69·5
	23	69·8	70·0	70·8	71·0	71·0	72·0	71·9	71·5	71·0	71·4	71·0	70·9
	24	69·5	70·0	71·7	70·8	71·0	71·6	71·6	70·8	70·1	70·1	70·0	69·9
	25	69·8	70·2	70·8	71·0	71·4	71·8	71·8	70·9	70·0	70·0	70·0	69·6
	26	69·0	69·4	70·1	70·7	71·0	71·3	71·9	71·0	70·0	69·8	69·7	69·1
	27	70·0	70·9	71·3	72·0	72·4	72·9	72·5	71·8	71·8	71·2	71·4	71·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	70·1	70·9	71·8	72·0	73·0	72·9	72·7	71·8	71·2	71·2	71·1	70·6
	30	70·7	71·0	71·2	71·9	72·1	72·4	72·1	71·2	70·9	70·5	70·1	70·0
	31	70·2	71·0	71·6	71·5	71·8	71·8	71·7	70·9	70·2	70·2	70·1	70·0
Hourly Means <sup>d</sup>	69·73	70·21	70·81	71·04	71·29	71·53	71·59	70·95	70·44	70·31	70·18	69·97	

<sup>a</sup> Late, time not stated.<sup>b</sup> No temperature recorded, omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = $\begin{cases} \text{1st to 12th, } \cdot 00021 \\ \text{15th to 31st, } \cdot 00018 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = $\begin{cases} \text{1st to 12th, } \cdot 00018. \\ \text{15th to 31st, } \cdot 00028. \end{cases}$													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
MARCH.	1	65·9	66·0	66·1	67·0	67·0	67·1	68·2	69·0	69·9	72·8	74·0	66·72
	2	66·6	66·5	67·1	67·9	69·0	69·5	70·5	71·8	72·9	75·0	77·1	69·12
	3	65·7	67·9	68·2	70·1	70·0	69·9	70·8	71·0	71·2	74·1	75·2	69·67
	4	68·2	67·5	67·2	67·9	67·1	67·9	68·1	68·0	69·0	69·0	—	69·52
	5	67·9	68·0	68·0	—	69·1	69·2	70·0	70·9	71·9	74·0	75·5	68·15
	6	—	—	—	—	—	—	—	—	—	—	—	71·06
	7	67·9	—	68·4	70·2	70·8	71·6	72·1	72·6	73·2	75·0	77·1	71·34
	8	69·7	70·0	69·4	70·8	70·7	70·5	70·9	71·5	72·0	75·0	77·2	72·51
	9	69·3	69·7	69·2	70·1	70·0	70·0	70·6	71·0	72·9	76·0	77·8 <sup>a</sup>	72·11
	10	69·9	71·0	69·5	69·2	69·1	69·1	69·9	70·1	71·9	77·8	79·9	74·45
	11	73·0	72·7	72·6	72·6	73·0	72·4	72·4	73·2	74·2	76·0	78·0	—
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	36·3	39·0	40·0	49·2	50·0	50·8	53·1	52·3	53·7	57·5	61·6	—
	16	48·5	49·4	50·0	51·1	53·1	54·0	55·2	57·1	58·4	62·0	62·0	53·26
	17	54·8	53·8	53·0	52·5	51·7	52·1	53·9	55·0	55·6	57·6	60·0	55·31
	18	54·9	55·9	55·6	56·0	56·0	56·1	56·5	56·9	58·1	60·0	61·8	55·79
	19	58·0	58·4	57·6	59·0	57·0	55·5	57·0	58·9	59·8	59·2	59·6	56·37
	20	—	—	—	—	—	—	—	—	—	—	—	59·56
	21	62·2	59·2	60·0	62·3	69·2	70·0	68·3	68·2	66·8	67·0	69·6	53·12
	22	52·2	51·4	54·2	54·1	54·5	—	53·5	53·0	53·4	56·1	57·0	53·99
	23	54·3	55·9	55·2	53·9	55·2	55·2	56·1	57·9	59·1	61·9	63·0	56·24
	24	57·0	55·0	55·0	55·3	55·2	56·3	57·0	58·0	59·4	61·2	62·1	58·46
	25	58·1	56·0	56·9	57·5	57·9	57·9	59·4	61·1	58·4 <sup>b</sup>	67·2	69·5	60·38
	26	57·4	58·2	59·3	59·5	62·0	—	62·6	63·1	63·9	66·1	68·1	—
	27	—	—	—	—	—	—	—	—	—	—	—	60·53
	28	58·1	58·3	57·2	58·0	59·0	58·8	58·0	60·0	62·8	68·0	71·0	60·61
	29	57·1	53·0	55·0	56·9	56·9	58·2	60·9	63·0	64·0	67·7	69·9	59·24
	30	57·0	57·8	58·0	59·0	59·0	59·1	60·0 <sup>b</sup>	60·3	62·2	65·8	67·9	61·49
	31	59·1	59·9	59·9	61·0	61·8	61·7	62·4	64·0	65·0	68·0	69·9	—
Hourly Means	61·37	60·93	61·36	61·82	62·68	63·28	63·66	64·40	65·55	68·02	69·70	—	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	68·8	68·8	68·8	68·0	69·0	—	68·8	—	68·7	68·7	69·4	68·73
	2	68·6	68·4	68·3	68·6	68·5	—	68·5	—	68·6	68·2	68·1	68·62
	3	68·4	68·2	68·2	68·0	68·0	—	67·9	—	67·5	67·7	68·0	68·92
	4	68·9	68·9	68·9	68·1	68·1	—	68·1	—	69·0	68·2	—	69·31
	5	69·7	69·4	69·2	—	69·2	—	69·3	—	69·1	69·0	69·4	70·09
	6	—	—	—	—	—	—	—	—	—	—	—	70·08
	7	69·0	—	69·1	68·8	68·8	—	69·0	—	69·0	69·0	69·6	71·27
	8	70·7	70·2	70·4	69·7	69·6	—	69·2	—	69·2	69·6	70·0	71·59
	9	70·8	70·8	70·8	70·2	70·1	—	70·0	—	70·0	70·0	70·3 <sup>a</sup>	71·50
	10	70·9	70·7	70·3	70·3	70·0	—	70·0	—	70·2	70·4	70·8	71·85
	11	71·5	71·6	71·5	71·0	71·0	—	70·9	—	71·0	70·8	70·9	—
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	72·0	71·0	70·9	70·7	70·6	—	70·7	—	70·6	70·0	70·2	—
	16	70·8	70·9	70·9	70·2	70·4	—	70·2	—	70·1	70·0	70·0	70·93
	17	70·0	70·0	70·0	70·0	70·0	—	69·8	—	69·8	69·5	70·0	70·35
	18	70·0	69·8	69·8	69·2	69·1	—	69·0	—	69·0	69·0	69·2	69·95
	19	68·7	68·6	68·6	68·7	68·7	—	68·5	—	69·6	68·5	69·8	68·99
	20	—	—	—	—	—	—	—	—	—	—	—	68·84
	21	68·0	68·6	68·5	68·5	68·6	—	68·6	—	68·6	68·0	68·2	69·64
	22	69·4	69·2	69·4	69·1	69·3	—	69·0	—	69·0	68·9	69·0	70·38
	23	70·0	70·0	70·0	69·4	69·4	—	69·2	—	69·1	69·0	69·0	70·14
	24	69·7	69·6	69·5	69·4	69·8	—	69·4	—	69·2	69·0	69·2	69·80
	25	69·1	69·0	68·9	68·9	68·1	—	68·0	—	—	68·0	68·0	69·74
	26	69·0	68·9	68·9	68·7	68·9	—	68·7	—	68·8	68·9	69·2	70·78
	27	—	—	—	—	—	—	—	—	—	—	—	70·97
	28	70·0	70·0	70·0	69·9	69·8	—	69·2	—	69·0	69·1	69·7	70·66
	29	70·3	70·2	70·0	69·8	69·9	—	69·9	—	69·7	69·9	70·1	70·45
	30	70·1	70·0	70·0	69·7	69·8	—	—	—	69·4	69·2	69·8	—
	31	70·0	69·8	69·7	69·8	69·7	—	69·7	—	69·5	69·7	70·0	—
Hourly Means	69·68	69·63	69·57	69·30	69·32	69·24	69·17	69·22	69·27	69·10	69·47	—	

<sup>a</sup> Magnetometer re-adjusted, magnet No. 5 suspended; temperature experiments made.<sup>b</sup> Observations of the 12th and 15th omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
APRIL.	1	70.6	— <sup>a</sup>	—	71.8	70.0	69.8	68.9	68.2	68.9	70.4	70.2	70.9
	2	86.0	86.0	84.3	81.2	77.6	75.0	72.0	70.3	70.9	71.0	71.1	72.0
	3	80.0	75.0	74.8	72.8	69.0	69.9	68.5	61.8	63.4	62.0	63.1	67.1
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	83.6	83.8	81.9	77.5	74.0	72.1	71.0	69.0	69.1	69.9	70.0	70.0
	6	82.0	81.4	79.8	76.5	74.0	71.8	70.1	71.1	72.0	72.5	73.0 <sup>b</sup>	73.0
	7	83.9	83.9	81.1	77.2	74.9	72.2	69.5	69.2	70.0	70.7	70.4	71.2
	8	74.1	74.2	70.3	69.1	68.9	68.8	68.0	64.0	66.9	68.0	68.9	69.3
	9 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	10	84.2	84.7	82.2	80.2	78.0	76.1	75.2	74.9	73.9	72.9	72.0	72.9
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	75.9	76.9	76.0	72.1	71.8	70.2	68.8	64.2	66.8	68.0	69.9	68.0
	13	76.9	77.5	75.9	73.2	71.1	67.1	66.2	66.9	68.3	68.2	68.9	69.4
	14	83.0	83.0	80.9	76.9	73.0	70.0	67.9	68.3	68.5	68.2	69.2	68.9
	15	79.8	79.0	77.1	74.8	71.7	70.0	69.7	68.2	68.9	69.0	69.5	70.0
	16	82.1	81.3	79.1	76.1	72.9	70.2	68.2	67.0	66.2	68.4	65.8	67.1
	17	82.0	82.2	81.0	82.0	76.0	74.0	71.0	64.2	64.2	67.2	60.9	56.0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	71.0	70.0	70.8	68.9	63.9	62.0	65.1	65.0	63.0	62.9	61.0	65.9
	20	71.1	70.0	—	68.0	66.2	63.7	61.1	59.9	62.0	64.1	64.1	63.9
	21	76.0	76.1	74.9	70.9	66.9	65.6	66.0	66.0	67.1	70.2	68.9	68.0
	22	77.0	76.6	76.5	72.9	70.0	65.9	64.9	64.9	64.2	63.9	63.7	63.9
	23	75.2	75.1	74.1	72.0	69.2	67.4	66.0	67.0	66.7	67.2	69.0	70.6
	24	75.1	74.0	72.5	71.3	68.0	66.5	65.4	64.9	64.5	67.2	65.8	66.2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	78.9	79.8 <sup>f</sup>	78.8 <sup>f</sup>	76.9 <sup>f</sup>	75.2 <sup>f</sup>	72.0 <sup>f</sup>	71.0	67.8	65.9	67.0	66.8	65.8
	27	77.8	78.5	77.0	75.7	73.9	71.8	70.5	70.2	70.9	69.1	69.1	67.9
	28	80.0	80.0	78.9	75.3	73.0	70.3	70.0	71.1	70.9	68.8	68.0	69.2
	29	80.2	79.9	79.3	78.0	75.0	72.8	71.2	71.7	71.7	70.8	71.2	73.2
	30	83.2	82.9	78.7	79.0	76.1	74.8	73.2	72.1	71.9	72.1	72.0	72.9
Hourly Means <sup>g</sup>	79.12	78.78	77.59	74.85	71.96	69.92	68.77	67.49	67.83	68.30	68.01	68.43	

TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	70.7	— <sup>a</sup>	—	72.9	72.9	72.8	72.1	71.0	70.6	70.5	70.2	70.1
	2	70.2	71.0	71.7	72.0	72.4	73.0	73.0	72.0	71.4	71.4	70.9	71.0
	3	70.0	70.6	71.2	71.6	72.0	72.4	72.0	71.6	71.0	70.7	70.2	70.5
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	70.2	70.9	71.1	71.1	71.3	71.6	71.9	71.2	71.0	70.9	70.8	70.8
	6	70.2	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.3	70.6	70.0 <sup>b</sup>	70.0
	7	69.1	69.3	69.9	70.2	70.6	70.6	71.0	69.9	70.1	70.0	70.0	69.6
	8	68.8	69.0	69.7	69.9	70.0	70.0	70.0	69.5	69.0	69.0	69.0	68.8
	9 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	10	69.0	69.2	69.5	69.4	69.9	70.0	70.0	69.2	68.9	69.0	69.0	68.9
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	69.1	69.9	70.6	71.0	71.8	72.0	71.8	71.4	70.5	70.0	70.0	69.9
	13	69.1	69.8	70.5	70.9	71.1	71.6	71.9	71.0	70.8	70.0	70.0	69.8
	14	70.4	71.0	70.9	71.0	71.9	72.0	72.0	70.9	70.2	70.0	70.0	69.8
	15	69.7	70.4	71.0	71.8	72.4	72.8	73.0	71.3	70.8	70.3	70.2	70.0
	16	69.5	70.2	71.0	71.8	72.0	72.8	73.0	72.0	71.0	71.0	70.9	70.8
	17	70.9	71.2	70.9	71.8	72.0	72.2	72.8	72.1	71.5	71.2	71.0	70.6
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	71.0	71.2	71.4	71.5	72.0	72.3	72.5	71.8	71.2	71.0	71.0	70.8
	20	70.6	70.8	—	71.7	72.0	72.0	72.0	71.3	70.9	70.8	70.7	70.7
	21	70.2	71.0	71.1	71.5	71.7	71.6	71.6	71.0	70.6	70.6	70.4	70.0
	22	69.6	69.9	70.1	70.5	71.0	71.0	71.0	71.0	70.8	70.8	70.5	70.7
	23	70.4	71.0	71.3	71.7	72.0	72.1	72.4	71.1	71.0	70.6	70.2	70.4
	24	71.0	72.0	72.8	73.6	73.9	73.8	73.6	72.6	72.0	71.4	71.0	71.0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	69.4	—	—	—	—	—	—	—	—	—	—	—
	27	69.6	70.0	70.2	70.0	70.3	70.6	69.8	69.0	69.1	69.1	69.1	69.1
	28	68.7	69.1	69.8	70.1	70.8	71.0	70.9	70.0	69.7	69.6	69.5	69.3
	29	69.0	69.1	69.6	69.5	69.6	69.2	69.0	68.8	68.3	68.1	68.0	68.0
	30	68.2	68.4	68.8	68.8	68.7	69.0	69.0	68.2	68.1	68.0	68.0	68.0
Hourly Means <sup>g</sup>	69.75	70.25	70.64	70.97	71.32	71.50	71.48	70.69	70.30	70.17	69.97	69.87	

<sup>a</sup> Magnet removed for the determination of its moment of inertia; connexion of the readings broken.

<sup>b</sup> Two minutes late.

<sup>c</sup> Good Friday.

<sup>d</sup> Twenty-one minutes late.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	71.0	72.0	72.7	73.8	73.8	74.2	—	75.7	78.0	82.0	84.9	—
	2	71.8	72.0	72.0	73.2	76.8	77.1	78.0	79.9	80.0	90.2	86.9	76.45
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	69.1	69.6	69.1	70.5	70.3	70.9	72.1	73.9	75.2	78.5	82.0	69.99
	5	70.2	72.0	71.5	71.1	—	72.0	72.9	74.5	75.9	78.9	81.0	73.60
	6	71.5	70.8	71.9	78.4	78.2	74.9	76.3	76.4	78.3	80.0	82.9	75.01
	7	71.9	72.9	72.5	73.4	74.1	75.9	77.0	78.0	77.0	78.5	77.9	74.36
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	72.0	72.0	72.9	72.5	72.5	72.9	74.1	76.1	77.6	81.8	83.0	71.20
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	67.1	66.8	70.5 <sup>d</sup>	70.2	70.0	70.2	70.4	69.9	71.4	74.9	73.1	74.46
	12	68.0	68.8	69.4	69.5	70.0	70.8	71.0	72.0	72.7	75.0	77.0	70.52
	13	70.0	69.9	70.0	70.1	70.1	70.9	71.4	73.0	75.0	78.8	81.2	71.21
	14	69.0	68.9	71.0	70.0 <sup>e</sup>	70.2	—	71.4 <sup>f</sup>	71.8	72.1	75.0	78.0	72.34
	15	70.1	71.4	70.6	71.5	72.5	72.8	73.3	74.4	76.2	78.9	80.9	72.44
	16	69.2	70.8	73.3	76.0	75.1	75.1	77.0	77.0	79.0	81.8	81.2	73.22
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	64.9	64.2	65.9	64.9	64.9	—	66.9	65.0	66.5	69.2	71.6	69.26
	19	65.8	66.4	65.9	67.0	68.0	68.0	68.0	69.1	68.2	69.1	68.8	66.31
	20	65.1	66.9	67.6	72.0	69.2	68.9	68.0	68.9	71.0	72.4	72.9	66.32
	21	66.9	67.2	69.1	68.1	69.0	69.7	69.2	68.0	69.9	73.5	74.8	69.38
	22	70.7	71.8	67.0	69.2	68.9	68.9	69.9	70.0	70.4	73.1	74.4	69.26
	23	69.7	70.0	70.5	72.1	72.9	72.9	72.0	72.0	72.0	75.1	77.0	70.55
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	65.8	67.0	67.9	70.9	71.7	71.8	72.5	72.9	—	75.2	77.9	69.04
	26	67.0	68.9	68.9	69.9	70.8	70.9	70.7	70.0	70.0	72.4	73.3	69.03
	27	73.8	72.2	72.0	73.0	73.1	73.4	73.0	73.5	74.8	77.0	78.0	73.18
	28	69.5	69.0	70.1	72.0	73.1	73.1	74.0	74.1	74.1	76.6	78.9	72.84
	29	73.1	71.0	73.1	74.9	74.9	75.6	74.5	76.9	76.0	77.2	80.8	74.42
	30	75.0	74.2	74.4	76.1	77.2	77.1	77.0	77.8	79.8	80.2	84.0	75.82
Hourly Means	69.47	69.78	70.30	71.52	71.89	72.44	72.58	73.13	74.05	76.80	78.23		
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
APRIL.	1	70.0	70.6	70.0	69.2	69.0	—	—	69.0	69.0	69.7	—	—
	2	70.4	70.6	70.0	69.9	69.9	—	69.8	—	69.7	69.6	69.9	70.94
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	69.1	69.1	69.5	68.8	69.8	—	69.7	—	69.6	69.5	70.0	70.38
	5	70.6	70.2	70.4	70.1	—	—	70.0	—	69.9	70.0	70.0	70.72
	6	70.0	70.0	70.0	69.8	69.5	—	69.6	—	69.3	69.0	69.0	70.20
	7	69.0	69.0	69.0	68.8	68.7	—	68.4	—	68.1	68.0	68.2	69.48
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	68.4	68.6	68.6	68.9	68.9	—	68.8	—	68.5	68.6	68.7	69.11
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	69.5	69.2	68.9 <sup>d</sup>	69.0	69.0	—	69.1	—	69.0	68.9	69.0	69.24
	12	69.8	69.6	69.6	69.1	69.0	—	69.0	—	68.9	69.0	69.0	70.14
	13	69.8	69.7	69.4	69.1	69.0	—	69.0	—	69.0	69.2	70.0	70.07
	14	69.7	69.1	69.1	69.0 <sup>e</sup>	69.0	—	—	—	69.0	68.9	69.0	70.27
	15	70.0	70.0	69.9	69.8	69.5	—	69.4	—	69.0	69.0	69.0	70.54
	16	69.7	70.2	70.2	69.9	70.0	—	70.0	—	69.6	70.0	70.2	70.77
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	70.1	70.1	70.0	70.0	70.0	—	70.0	—	70.0	70.0	70.1	70.94
	19	70.6	70.2	70.1	70.2	70.2	—	70.0	—	70.0	69.8	70.0	70.97
	20	71.8	70.5	70.4	70.0	70.0	—	69.9	—	69.7	69.7	70.0	70.84
	21	69.9	69.9	69.6	69.5	69.6	—	69.7	—	69.6	69.9	69.5	70.43
	22	70.4	70.4	70.2	70.0	70.0	—	70.0	—	70.0	69.8	70.0	70.37
	23	70.1	70.0	70.0	69.9	69.8	—	69.8	—	69.6	69.8	70.1	70.67
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	69.4	69.1	69.2	69.2	69.0	—	69.0	—	—	69.0	69.0	71.06
	26	68.9	68.9	68.8	68.9	69.0	—	68.9	—	69.0	69.0	69.1	69.09
	27	68.5	68.2	68.5	68.5	68.0	—	68.0	—	68.0	68.0	68.1	69.07
	28	69.0	69.0	69.0	68.6	68.8	—	68.8	—	68.8	68.8	69.0	69.47
	29	68.0	69.0	68.0	68.4	68.4	—	68.2	—	68.0	67.9	67.9	68.57
	30	68.0	67.8	67.6	67.0	67.2	—	67.2	—	67.1	67.0	67.6	67.98
Hourly Means	69.61	69.49	69.42	69.27	69.23	69.23	69.23	69.16	69.10	69.10	69.27		

• Twenty minutes late.

<sup>d</sup> Temperature not recorded; omitted in the means.<sup>e</sup> Observations of the 1st omitted in the means.

L



HORIZONTAL FORCE.												
One Scale Division = .00018 part of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.
	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	75.0	74.9	74.4	74.0	74.5	75.0	75.1	76.0	78.0	82.4	85.5	—
3	74.8	75.0	75.5	76.0	76.8	77.0	77.8	79.2	80.1	83.0	86.6	78.10
4	72.1	72.4	72.8	74.1	75.0	75.0	75.2	76.2	77.2	80.8	83.5	72.83
5	70.7	69.2	75.0	70.9	73.8	75.0	76.0	77.5	77.2	78.0	77.7	75.20
6	68.0	—	72.3	72.3	72.8	72.7	73.2	74.7	74.3	78.0	80.0	69.57
7	71.3	72.0	72.0	73.2	74.0	74.2	74.9	75.9	77.8	82.1	83.4	74.62
8	—	—	—	—	—	—	—	—	—	—	—	—
9	68.2	63.9	63.0	66.8	69.0	66.5	63.0	60.0	63.2	61.3	63.4	71.28
10	57.0	61.0	62.0	62.7	64.7	64.9	65.9	67.0	68.1	71.7	74.1	58.16
11	70.0	71.2	69.9	69.9	69.9	69.9	70.0	69.8	71.2	76.5	80.0	71.95
12	67.2	68.9	69.2	69.9	70.6	70.0	69.0	68.9	69.6	72.0	74.0	69.47
13	67.6	68.0	68.0	68.0	68.6	68.8	69.0	70.0	71.0	73.2	75.0	68.68
14	70.0	69.9	69.0	—	69.1	70.0	71.0	71.2	72.6	75.9	78.3	70.85
15	—	—	—	—	—	—	—	—	—	—	—	—
16	73.4	71.2	76.2	75.8	75.5	74.8	75.0	74.2	73.4	75.0	75.3	73.48
17	70.5	70.4	70.0	70.2	69.2	70.8	71.8	71.9	73.0	76.1	78.0	68.02
18	72.9	73.0	74.2	76.2	76.9	76.9	78.0	78.1	79.6	82.1	82.1	—
19	72.6	74.0	72.0	70.8 <sup>e</sup>	71.3	71.5	72.0	73.8	74.4 <sup>b</sup>	76.8	79.0	71.92
20	69.1	68.0	69.2	68.1	69.8	70.0	69.9	71.0	72.4	74.1	76.1	70.78
21	66.9	70.0	68.1	68.8	67.0	67.4	67.0	68.8	69.9	73.0	75.2	68.85
22	—	—	—	—	—	—	—	—	—	—	—	—
23	69.9	68.1	68.0	68.5	69.2 <sup>b</sup>	69.9	70.0	71.0	72.5	74.2	75.9	68.93
24	66.5	68.2	67.9	68.9 <sup>f</sup>	69.1	69.2	69.9	69.6	70.0	72.0	74.1	69.17
25	67.8	68.0	68.5	71.0	72.1	72.1	72.1	73.2	74.6	76.7	78.4	70.33
26	70.0	70.1	68.0	72.0	72.6	71.0	69.8	70.0	71.0	76.1	78.1	72.09
27	68.0	68.9	68.8	68.1	68.5	69.1	69.9	71.0	72.3	75.9	77.8	68.57
28	67.0	68.1	69.0	69.9	70.2	70.7	71.3	72.9	73.8	76.8	78.7	70.82
29	—	—	—	—	—	—	—	—	—	—	—	—
30	73.3	73.0	72.9	73.1 <sup>g</sup>	73.0	73.5	74.1	74.2	75.7	78.2	79.9	73.06
31	75.0	74.8	73.9	72.0	72.9	73.1	74.9	76.0	76.9	80.0	82.8	74.99
Hourly Means.	69.45	69.75	70.95	70.55	71.11	71.11	71.36	72.00	72.95	75.72	77.72	
TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
MAY. 1	—	—	—	—	—	—	—	—	—	—	—	—
2	66.6	66.8	66.8	66.7	66.4	—	66.3	—	66.5	66.3	66.8	—
3	67.2	67.0	67.0	66.8	66.6	—	66.6	—	66.2	66.2	66.9	67.42
4	66.8	66.7	66.7	66.2	66.0	—	66.1	—	66.0	66.0	66.0	67.10
5	67.6	67.6	67.6	67.4	67.3	—	67.1	—	67.0	67.0	67.0	67.65
6	67.2	—	67.0	67.0	66.9	—	66.9	—	66.8	66.4	66.2	67.23
7	66.9	66.7	66.1	66.0	65.8	—	65.8	—	65.7	65.8	65.9	66.50
8	—	—	—	—	—	—	—	—	—	—	—	—
9	65.3	65.6	65.7	65.7	65.8	—	65.9	—	66.0	66.0	66.5	66.51
10	66.9	67.0	66.8	66.8	66.7	—	66.8	—	66.8	66.2	66.2	67.29
11	67.1	67.1	67.0	67.0	66.9	—	66.7	—	66.3	66.1	66.1	67.20
12	67.0	67.0	67.0	66.9	66.9	—	67.0	—	66.9	67.0	67.2	67.37
13	68.5	68.2	68.0	67.9	67.8	—	67.6	—	67.2	67.0	67.0	68.42
14	67.0	66.9	66.8	—	66.8	—	66.4	—	66.5	66.0	66.0	67.49
15	—	—	—	—	—	—	—	—	—	—	—	—
16	65.4	65.5	66.0	65.6	65.6	—	65.3	—	65.2	65.2	65.8	66.17
17	66.3	66.0	66.1	65.9	66.0	—	66.0	—	66.0	65.9	66.0	66.70
18	67.6	67.4	67.2	67.0	66.9	—	66.9	—	66.7	66.5	66.6	—
19	65.0	65.1	65.2	64.9 <sup>c</sup>	64.0	—	65.0	—	—	65.0	65.4	65.73
20	65.4	65.0	65.1	64.2	64.2	—	64.1	—	64.0	64.8	65.1	65.72
21	66.4	66.3	66.1	65.9	65.9	—	65.8	—	65.7	66.0	66.7	67.36
22	—	—	—	—	—	—	—	—	—	—	—	—
23	67.6	67.0	66.8	66.6	—	—	66.3	—	66.7	67.0	67.0	67.96
24	68.1	68.0	67.8	67.0 <sup>f</sup>	66.9	—	66.9	—	66.9	67.0	67.2	68.46
25	67.6	67.1	67.0	66.4	66.5	—	66.4	—	66.4	66.7	67.0	68.13
26	67.4	67.4	67.1	66.9	66.8	—	66.8	—	66.8	66.9	67.0	67.99
27	67.0	66.8	66.9	67.0	66.9	—	66.8	—	66.8	66.6	67.0	67.60
28	66.1	66.1	66.0	66.0	66.0	—	66.0	—	65.8	65.6	65.6	66.69
29	—	—	—	—	—	—	—	—	—	—	—	—
30	64.3	64.7	64.7	64.2 <sup>g</sup>	65.1	—	64.6	—	64.8	64.7	65.0	65.69
31	65.4	65.8	65.7	65.1	65.3	—	65.2	—	65.0	65.0	65.0	65.78
Hourly Means	66.65	66.55	66.51	66.23	66.20	66.18	66.17	66.16	66.15	66.09	66.28	

<sup>e</sup> 12 minutes late.

<sup>f</sup> 32 minutes late, omitted in means.

<sup>g</sup> 17 minutes late.

<sup>h</sup> Observations of the 1st, 2nd, and 18th, omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	84.0	83.8	80.4	77.9	— <sup>a</sup>	—	—	—	—	—	66.9	
	2	82.2	81.9	80.4	79.0	75.8	74.8	72.8	69.0	68.0	67.3	70.0	68.3
	3	80.8	79.0	77.2	76.2	73.9	72.5	71.0	69.2	68.1	68.3	68.8	72.0
	4	78.1	78.0	76.4	73.6	70.0	70.1	69.9	69.2	67.0	67.3 <sup>b</sup>	70.1	68.2
	5	81.3	81.1	79.2	77.3	75.8	73.9	72.2	71.0	70.0	69.1	69.8	68.2
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	81.1	80.0	78.0	75.8	73.0	68.9	67.1	65.2	64.2	67.2	65.4	67.1
	8	82.2	81.1	77.8	75.3	74.1	72.8	73.0	71.2	70.9	71.4	71.9	71.0
	9	83.9	82.3	77.9	74.0	71.4	70.7	67.0	67.9	67.3	68.9 <sup>c</sup>	71.1	69.1
	10	77.9	77.3	75.9	74.9	73.2	72.1	70.5	68.7	69.1	69.4	68.4	68.4
	11	81.1	80.7	78.1	74.1	72.0	70.5	71.0	71.2	71.9	71.8	71.9	71.8
	12	81.8	81.0	78.8	75.9	74.3	73.7	73.0	72.6	72.0	71.9	72.1	72.1
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	82.1	81.6	80.0	78.0	76.5	75.0 <sup>c</sup>	74.5	75.2	75.9	75.9	75.9	75.1
	15	86.0	85.0	83.6	82.5	75.2	75.6	72.0	69.9	65.9	65.9	73.8	69.6
	16	84.7	84.0	82.5	80.3	76.0	76.7	73.1	72.8	74.3	74.5	74.8	74.9
	17	86.1	87.9	84.5	82.7	78.5	78.0	74.9	74.2	73.9	75.9	73.1	79.0
	18	79.2	78.8	77.0	71.5	67.6	64.2	63.4	68.0	69.1	69.8	73.2	73.6
	19	82.1	80.2	77.6	76.2	75.2	74.1	72.5	73.2	73.4	74.1	73.8	73.8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	83.2	82.0	81.9	80.0	78.1	74.9	75.2	74.9	74.3	76.4	76.2	76.7
	22	82.8	80.0	80.9	80.0	78.5	79.0	78.3	75.5	73.9	74.9	74.9	71.9
	23	87.6	86.0	84.6	82.8	80.0	77.0	76.6	73.9	71.8	73.2	75.7	75.8
	24	85.6	84.9	82.2	80.3	79.1	78.3	76.9	75.1	75.9	76.0	75.0	78.1
	25	91.1	87.9	86.0	80.5	81.1	80.9	78.1	74.2	78.2	77.8	77.7	76.2
	26	83.9	82.9	82.0	78.1	76.3	75.7	74.2	74.3	75.0	74.9	74.5	74.3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	85.0	84.1	82.0	78.6	76.5	75.8	75.2	74.2	75.6	75.1	74.0	78.0
	29	84.0	84.0	81.0	79.8	79.1	78.7	78.0	74.2	71.6	74.2	76.8	79.0
	30	82.2	83.9	— <sup>d</sup>	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	83.07	82.15	80.23	77.81	75.47	74.33	72.93	71.87	71.55	72.34	72.87	73.01	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JUNE.	1	65.0	65.1	65.5	65.9	— <sup>a</sup>	—	—	—	—	—	—	
	2	65.6	66.9	66.1	66.0	66.3	67.0	67.0	66.0	66.0	65.8	66.0	65.5
	3	65.7	65.8	65.8	65.9	65.9	66.1	66.2	65.8	65.6	65.3	65.4	65.2
	4	65.0	65.4	65.9	66.0	66.1	66.4	66.8	66.0	66.0	—	65.8	65.8
	5	65.6	65.9	66.3	66.1	66.9	67.0	67.0	66.3	66.1	66.8	66.4	66.6
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	66.4	67.5	68.4	69.0	69.4	70.0	70.0	68.9	68.0	67.3	67.0	67.0
	8	67.1	68.0	68.1	68.4	68.9	69.2	69.2	68.1	67.8	67.6	67.1	67.1
	9	67.8	68.3	68.9	69.2	69.8	70.0	70.2	69.4	68.9	68.8 <sup>c</sup>	68.1	68.3
	10	67.9	68.2	68.8	69.0	69.0	70.0	70.0	68.8	68.0	67.9	67.9	67.7
	11	67.8	68.7	69.1	70.0	70.6	70.6	70.0	68.4	68.0	67.7	67.5	67.3
	12	67.0	67.4	67.8	67.7	67.6	67.7	67.4	66.8	66.3	66.0	66.0	66.0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	63.7	64.2	64.9	64.7	64.8	64.5 <sup>c</sup>	64.0	64.2	64.0	63.9	63.9	63.9
	15	63.7	64.0	64.2	64.5	64.8	65.0	64.9	64.0	64.1	64.0	64.1	64.1
	16	63.3	63.8	63.9	64.1	64.3	64.7	64.5	64.0	63.7	63.2	63.3	63.1
	17	63.0	63.1	63.6	63.7	63.7	63.7	63.5	63.0	62.9	62.8	62.8	62.8
	18	63.1	63.8	64.4	65.0	65.4	65.2	65.1	64.0	63.8	64.0	64.0	63.9
	19	63.2	63.7	64.1	64.1	64.2	64.2	64.3	63.7	63.7	63.5	63.6	63.6
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	62.7	63.2	63.8	64.0	64.5	65.0	64.7	64.0	63.6	63.5	63.1	63.1
	22	62.2	62.8	62.9	63.1	63.7	63.9	63.7	63.0	63.0	63.0	62.9	62.8
	23	63.0	63.0	63.1	63.1	63.2	63.8	63.7	63.0	62.8	62.9	62.9	62.8
	24	62.0	62.1	62.7	62.9	63.1	63.1	63.0	62.9	62.8	62.8	62.7	62.1
	25	62.0	62.3	62.8	63.0	63.5	63.8	63.6	63.0	62.8	62.4	62.2	62.2
	26	62.1	63.0	64.0	64.0	64.6	64.9	64.8	63.8	63.0	63.0	63.8	62.8
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	63.7	64.0	64.2	65.0	65.0	65.0	65.0	64.2	64.0	63.8	63.7	63.6
	29	63.4	63.8	64.2	64.3	64.5	64.7	64.5	64.0	63.7	63.7	63.6	63.4
	30	63.3	63.8	— <sup>d</sup>	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	64.46	64.95	65.33	65.53	65.82	66.06	65.96	65.22	64.94	64.77	64.74	64.61	

<sup>a</sup> 4 h. to 12 h. inclusive. Readings rejected, a spider's thread found attached to the magnet; change produced about 40 sc. div.

<sup>b</sup> Temperature not recorded, omitted in the means.

<sup>c</sup> Late, time not recorded.

<sup>d</sup> Magnet removed; connexion broken.

<sup>e</sup> Observations of the 1st and 30th omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	68.2	69.2	72.9	71.6	71.4	72.2	73.0	73.4	75.2	79.0	82.0	—
	2	69.0	69.9	70.9	71.6	72.9	73.2	74.0	74.5	75.3	78.6	80.0	73.52
	3	71.0	70.0	71.1	72.1	72.0	71.9	72.0	72.9	74.5	75.5	77.9	72.56
	4	69.7	71.2	72.3	72.3	72.2	72.6	72.7	73.2	74.0	76.3	79.7	72.00
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	70.8	69.8	70.8	72.0	71.9	72.1	74.0	74.9	76.0	77.9	85.3	73.73
	7	71.0	70.0	70.1	70.1	72.0	72.9	74.0	74.5	75.5	77.9	81.0	71.42
	8	70.2	71.0	72.0	74.1	74.3	75.0	76.1	77.1	78.0	82.2	83.8	74.64
	9	69.6	69.6	70.0	72.0	71.1	70.2	71.0	71.5	72.0	73.7	75.0	71.90
	10	69.0	69.5	70.0	72.0	72.8	73.4	73.5	73.9	74.6	74.8	78.5	71.92
	11	71.0	71.0	73.5	72.0	72.9	72.0	72.0	71.9	72.7	76.3	79.9	73.50
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	71.6	72.9	73.9	75.1	74.1	74.8	75.8	76.7	77.6	79.9	81.8	75.07
	14	75.3	76.2	75.9	78.0	77.1	77.7	78.1	79.2	80.9	83.8	86.0	77.60
	15	69.5	73.7	73.6	72.8	74.9	74.2	75.0	76.6	77.9	81.6	83.1	74.91
	16	75.0	74.9	75.0	75.9	76.4	76.2	77.0	78.0	78.9	81.1	84.0	76.85
	17	76.8	75.8	75.1	77.9	73.9	73.1	73.9	74.5	75.7	78.1	79.0	77.25
	18	72.5	72.0	72.0	73.1	73.7	73.8	74.6	75.2	77.0	79.0	81.7	72.39
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	73.1	73.6	74.1	74.9	75.8	76.1	76.9	77.7	78.1	80.8	84.1	75.63
	21	77.0	76.9	76.9	—	78.9	78.6	78.0	77.9	79.0	80.4	80.9	77.83
	22	73.9	76.0	76.0	76.4	77.1	77.8	78.4	79.7	81.3	82.8	85.9	77.69
	23	74.9	75.0	75.9	76.3	76.2	76.2	77.0	76.8	78.0	80.8	82.5	77.92
	24	75.9	75.8	76.0	76.2	80.1	79.0	80.0	81.5	81.1	85.7	88.1	78.63
	25	77.9	81.3	81.2	79.1	78.8	77.9	79.0	81.0	84.9 <sup>b</sup>	83.2	83.6	80.57
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	75.2	76.9	76.9	78.1	78.8	78.8	79.8	80.2	81.9	84.0	84.6	77.85
	28	77.0	75.9	75.6	76.2	77.2	77.5	78.4	79.4	80.9	84.0	84.9	77.81
	29	75.4	74.2	75.0	76.0	76.6	76.5	78.0	78.1	79.8	81.0	80.9	77.51
	30	55.2	56.5	57.8	61.0	61.9	62.0	63.5	64.9	66.2	70.9	74.1	—
Hourly Means	73.01	73.46	73.91	74.53	75.07	75.06	75.80	76.54	77.42	79.97	82.17		
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JUNE.	1	66.7	66.0	66.0	65.7	65.5	—	65.7	—	65.7	65.2	65.1	—
	2	65.3	65.2	65.1	65.6	65.4	—	65.4	—	66.6	65.1	65.2	65.79
	3	65.1	65.1	65.1	65.2	65.1	—	65.1	—	65.0	65.0	65.0	65.49
	4	65.8	65.5	65.5	65.0	65.0	—	65.0	—	65.0	65.0	65.2	65.66
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	65.8	65.8	65.9	65.4	65.4	—	65.3	—	65.4	65.4	65.8	66.03
	7	66.9	66.9	66.7	66.8	66.8	—	66.9	—	66.9	67.0	67.0	67.70
	8	67.4	67.0	66.9	66.7	66.5	—	66.3	—	66.3	66.7	67.0	67.52
	9	68.0	67.8	67.6	67.0	67.0	—	67.0	—	66.9	67.0	67.2	68.31
	10	67.0	67.0	67.0	66.4	66.3	—	66.2	—	66.3	66.8	67.0	67.82
	11	67.0	66.9	66.9	66.8	66.7	—	66.9	—	66.9	66.7	66.7	67.97
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	63.9	63.9	63.9	63.7	63.8	—	63.4	—	63.7	63.0	63.0	65.57
	14	63.8	63.7	63.4	63.0	63.0	—	63.0	—	63.1	63.1	63.3	63.82
	15	63.9	63.9	63.7	63.5	63.0	—	63.0	—	62.9	63.0	63.0	63.91
	16	63.0	62.9	62.8	62.9	62.9	—	62.9	—	63.0	62.9	62.9	63.46
	17	62.9	62.8	62.5	62.7	62.8	—	62.8	—	62.9	62.7	62.6	63.01
	18	64.0	63.8	63.7	63.1	63.0	—	63.0	—	62.9	63.0	63.0	63.88
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	62.0	62.0	62.0	61.9	61.9	—	62.0	—	62.0	62.0	62.2	63.06
	21	62.9	62.9	62.8	—	62.7	—	62.9	—	62.9	62.4	62.2	63.40
	22	63.0	63.1	63.1	62.8	62.7	—	62.7	—	62.4	62.1	62.5	62.92
	23	62.8	62.6	62.4	62.3	62.5	—	62.4	—	62.2	62.0	62.0	62.80
	24	62.3	62.1	62.1	61.8	61.8	—	61.8	—	61.8	61.8	61.9	62.42
	25	62.0	62.0	62.0	61.7	61.6	—	61.4	—	—	61.1	61.6	62.34
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	62.4	62.4	62.6	62.6	62.6	—	62.8	—	63.0	63.1	63.3	63.30
	28	63.8	63.5	63.6	63.2	63.2	—	63.4	—	63.1	62.9	63.0	63.89
	29	63.4	63.2	63.2	63.0	63.0	—	63.0	—	62.7	62.8	63.0	63.61
	30	64.5	64.2	64.0	63.2	63.1	—	63.2	—	63.2	63.2	63.2	—
Hourly Means	64.35	64.25	64.19	64.05	63.95	63.94	63.94	64.01	64.08	63.86	63.98		



HORIZONTAL FORCE.													
One Scale Division $\equiv$ $\begin{cases} \text{1st to 10th, } \cdot 00018 \\ \text{12th to 19th, } \cdot 00020 \\ \text{19th to 31st, } \cdot 00018 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = $\cdot 00028$ .													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	75·6	74·3	72·0	70·1	69·9	69·0	68·8	65·0	67·8	68·2	66·5	66·0
	2	79·1	78·8	76·2	74·7	73·1	72·3	70·0	70·1	70·3	70·0	69·9	70·1
	3	84·2	84·9	83·3	81·6	80·5	—	74·0	70·8	73·8	74·0	73·9	74·1
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	77·9	79·0	78·9	78·3	77·4	75·1	73·9	70·9	71·7	72·3	72·0	73·9
	6	80·4	81·3	79·5	78·0	74·9	73·9	74·7	74·3	74·1	73·7	73·1	73·3
	7	79·8	80·0	80·0	76·4	73·1	71·8	70·1	70·3	70·2	71·5	71·9	71·9
	8	78·7	77·9	76·9	77·1	76·9	76·1	75·3	74·1	75·1	74·9	74·2	75·1
	9	84·1	84·5	83·1	80·9	79·0	78·0	77·6	75·9	76·6	76·4	77·8	77·5
	10	89·7	90·5	89·9	85·0	81·1	81·2	81·0	80·8	81·8	78·1	75·0	75·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	43·0	41·6	40·0	37·2	35·2	33·3	32·2	33·1	31·5	32·0	31·9	32·4
	14	44·1	44·6	43·5	40·4	38·4	36·2	35·8	36·0	35·7	36·0	37·7	35·4
	15	41·0	41·1	39·9	37·1	34·9	33·9	32·0	33·0	34·0	34·7	34·9	35·1
	16	42·5	41·5	40·0	38·7	37·2	36·7	36·5	35·9	36·1	36·9	38·1	38·1
	17	44·8	44·9	43·4	40·9	39·1	37·8	38·2	39·7	39·0	39·0	38·8	38·8
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	47·0	48·0	44·2	43·9	43·9	43·2 <sup>a</sup>	—	—	41·3	41·4	41·9	40·2
	20	41·6	41·7	40·0	37·2	35·8	34·2	33·0	34·1	32·2	35·6	35·1	36·0
	21	45·0	43·6	43·9	42·2	38·9	37·3	34·8	37·1	36·6	36·8	37·0	37·9
	22	43·1	44·4	42·1	39·9	38·9	38·1	37·9	37·9	36·8	36·8	37·0	37·2
	23	47·6	46·1	44·2	41·5	39·8	39·0	38·9	40·0	37·1	34·8	35·2	36·2
	24	39·1	38·0	38·2	36·2	35·0	34·9	34·4	30·0	34·1	34·7	32·0	32·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	52·3	49·9	47·2	44·2	43·5	41·9	38·9	39·5	40·0	39·1	42·0	39·1
	27	49·0	47·1	46·1	41·9	41·1	40·9	39·2	38·5	40·1	40·7	40·0	39·9
	28	47·8	47·3	45·2	42·8	40·9	40·2	39·9	40·1	40·1	40·0	39·9	—
	29	48·0	48·1	46·9	44·9	43·7	41·7	41·4	39·5	37·4	37·7	38·3	37·7
	30	48·6	48·6	45·9	44·9	42·1	41·9	42·2	41·7	42·0	42·0	42·1	42·8
	31	51·2	52·0 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	57·27	56·92	55·50	53·35	51·71	49·28	49·55	49·02	49·23	49·47	49·53	50·03	
TEMPERATURE OF THE BIFILAR MAGNET.													
	1	2	3	4	5	6	7	8	9	10	11	12	13
JULY.	1	63·4	63·6	63·7	63·7	63·8	63·7	63·7	63·7	63·5	63·1	63·0	63·0
	2	63·1	63·2	64·0	64·1	64·6	64·2	64·0	63·6	63·1	63·0	63·0	62·9
	3	62·0	62·2	63·0	63·0	63·3	—	64·0	63·6	63·0	63·0	63·0	63·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	62·1	62·9	63·7	64·4	65·0	65·1	65·1	63·9	63·3	63·1	62·9	62·7
	6	62·6	63·3	64·1	64·3	64·7	64·8	64·8	64·1	63·9	63·8	63·5	63·1
	7	63·1	64·0	64·5	65·2	65·9	66·0	65·9	65·0	64·0	63·8	63·7	63·3
	8	63·3	63·6	63·8	63·6	63·7	64·0	63·8	62·9	62·8	62·8	63·0	62·9
	9	61·7	62·0	62·4	62·9	63·3	63·9	63·9	63·0	62·7	62·6	62·4	62·2
	10	62·0	62·5	63·0	63·1	63·0	63·0	63·2	63·0	62·3	62·2	62·1	61·7
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	61·2	61·8	62·0	62·1	62·8	63·0	62·6	61·9	61·8	61·9	61·9	61·9
	14	61·0	61·6	61·8	62·0	62·8	62·9	63·0	62·0	61·8	61·8	61·6	61·4
	15	60·9	61·5	61·9	62·3	63·0	63·9	63·8	62·6	62·0	61·9	61·9	61·9
	16	62·2	62·7	63·1	63·3	63·4	63·7	63·7	62·8	62·1	62·0	61·8	61·8
	17	61·9	61·9	62·2	63·0	63·6	63·8	63·9	63·0	62·1	62·0	61·9	62·0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61·2	61·9	62·4	62·6	62·8	63·0	— <sup>a</sup>	—	62·5	62·2	62·0	62·0
	20	61·3	61·6	61·9	62·4	62·8	63·0	62·9	62·0	61·6	61·5	61·1	61·0
	21	61·8	62·0	62·4	63·0	63·5	64·0	63·8	63·1	63·0	62·9	62·9	62·9
	22	62·0	62·2	62·7	62·9	63·1	63·0	63·0	62·6	62·5	62·4	62·4	62·2
	23	62·0	62·7	63·5	63·8	64·0	64·0	64·0	62·8	62·8	62·2	62·0	62·0
	24	62·0	62·6	62·8	63·0	63·5	63·8	63·4	62·5	62·6	62·4	62·2	62·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	62·3	62·6	62·9	63·1	63·1	63·2	63·2	63·0	62·3	62·3	62·2	62·2
	27	62·8	63·1	63·7	63·9	64·0	64·0	64·0	63·4	63·0	63·0	63·0	63·0
	28	62·3	63·0	63·7	64·0	64·1	64·1	64·0	63·6	62·9	62·9	62·9	—
	29	62·8	63·1	63·8	64·0	64·6	64·9	64·8	63·8	63·5	63·4	63·2	63·0
	30	62·0	62·4	62·7	62·9	63·0	63·0	63·0	63·0	62·6	62·3	62·6	62·3
	31	63·0	63·0	— <sup>a</sup>	—	—	—	—	—	—	—	—	—
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means.	62·16	62·59	63·06	63·34	63·72	63·91	63·84	63·13	62·73	62·61	62·53	62·43	

<sup>a</sup> Magnetometer re-adjusted on the 10th and 19th, and removed on the 31st; the observations of the 10th, 12th, 19th, 31st, and 32nd have been omitted in consequence in the means.

HORIZONTAL FORCE.													
One Scale Division = $\begin{cases} \text{1st to 10th, } \cdot 00018 \\ \text{12th to 19th, } \cdot 00020 \\ \text{19th to 31st, } \cdot 00018 \end{cases}$ parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = $\cdot 00028$ .													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	65·1	65·7	65·9	69·0	70·0	—	71·8	72·4	74·0	76·8	78·0	69·52
	2	73·0	73·9	73·8	75·5	76·2	76·4	76·5	78·2	79·1	81·9	82·9	74·12
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	80·2	79·9	79·7	81·9	81·3	81·1	80·8	80·8	80·7	82·9	77·0	78·83
	5	72·9	71·5	72·0	74·0	72·0	71·9	75·0	75·2	77·0	77·0	79·8	74·47
	6	70·6	71·1	72·1	75·1	72·5	72·0	73·0	73·8	75·0	76·9	78·7	74·89
	7	72·2	72·2	72·7	72·7	73·3	74·0	74·1	74·9	75·7	77·1	78·0	73·68
	8	75·6	76·0	77·0	76·2	76·4	76·3	76·8	77·1	78·7	81·0	83·4	76·48
	9	77·1	77·8	77·9	78·0	79·0	79·0	79·9	80·0	81·1	84·7	88·7	79·31
	10	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	33·8	33·9	33·8	34·2	35·2	35·4	35·6	37·0	38·9	42·9	43·1	—
	13	33·5	34·0	35·0	36·9	38·0	39·0	39·0	39·0	39·8	42·2	43·9	36·12
	14	36·2	36·1	37·0	37·1	37·9	37·6	37·1	37·1	38·0	39·0	40·8	38·13
	15	35·1	35·9	35·7	36·9	37·0	36·9	36·9	37·1	37·8	39·0	41·0	36·11
	16	38·3	39·0	39·6	38·8	39·0	40·0	40·0	40·5	41·8	42·9	44·1	38·82
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	44·1	41·7	41·2	42·2	41·9	41·3	42·8	42·1	42·2	45·0	45·9	41·52
	19	35·7	37·9	43·2	38·8	40·1	39·9	39·0	38·0	39·0	43·4	44·2	—
	20	37·5	39·0	39·1	39·9	39·9	39·9	40·0	41·5	42·1	44·9	44·7	37·77
	21	38·1	39·0	40·1	38·5	38·1	37·3	38·3	40·0	39·6	42·0	42·8	39·19
	22	38·0	37·2	38·0	39·2	40·9	40·0	39·3	41·8	47·4	47·0	46·9	39·60
	23	36·9	40·1	42·0	42·2	42·2	42·8	41·5	42·7	42·9	41·9	40·0	40·61
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	44·0	42·0	42·0	43·0	42·6	43·1	43·4	44·3	45·9	49·5	52·1	38·72
	26	40·3	41·1	41·1	42·0	42·0	42·7	42·0	43·5	44·0	46·1	48·0	42·91
	27	41·9	42·1	41·1	42·2	41·9	42·3	42·3	43·0	44·0	46·3	48·6	42·32
	28	41·0	41·2	42·0	44·2	43·8	43·9	43·1	42·8	43·5	46·0	47·6	42·52
	29	39·9	41·0	41·5	42·1	42·8	42·8	42·9	43·9	44·6	46·5	47·9	42·34
	30	42·0	42·9	43·1	43·1	43·1	44·1	44·1	44·9	45·8	47·2	49·8	43·67
	31	—	—	—	—	—	—	—	—	—	—	—	—
	32	44·5	34·5	44·9	43·2	44·4	43·9	43·0	43·2	43·5	46·8	48·3	—
Hourly Means	51·02	51·32	51·72	52·64	52·69	52·02	53·07	53·90	54·81	56·69	57·85	—	
TEMPERATURE OF THE BIFILAR MAGNET.													
JULY.	1	63·0	63·0	62·9	63·0	62·9	—	63·0	—	63·0	62·9	63·0	63·30
	2	63·0	63·0	62·9	62·6	62·4	—	62·4	—	62·0	61·9	61·9	63·18
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	62·0	61·9	61·8	61·8	61·7	—	61·8	—	61·8	61·6	61·8	62·57
	5	62·3	62·3	62·2	62·0	62·1	—	61·8	—	61·4	61·4	62·0	62·97
	6	63·0	62·9	62·8	62·9	62·7	—	63·0	—	62·8	62·5	62·7	63·49
	7	63·5	63·1	63·0	62·9	63·0	—	63·0	—	63·0	62·9	63·0	63·95
	8	62·6	62·2	62·1	61·9	62·0	—	62·0	—	62·0	61·8	61·7	62·81
	9	62·0	62·0	61·8	61·7	61·8	—	61·8	—	61·6	61·2	61·4	62·32
	10	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	61·9	61·0	61·7	61·1	61·0	—	61·0	—	60·8	60·8	61·0	—
	13	61·7	61·1	61·0	60·9	60·9	—	60·9	—	60·9	60·6	60·8	61·61
	14	61·0	61·0	61·0	60·6	60·7	—	60·8	—	60·8	60·1	60·6	61·46
	15	61·7	61·6	61·9	61·8	61·6	—	61·6	—	61·7	61·9	62·0	62·08
	16	61·8	61·6	61·4	61·0	60·8	—	60·7	—	60·5	60·8	61·0	62·07
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	61·1	61·0	61·1	61·0	60·9	—	60·9	—	60·3	60·2	60·7	61·91
	19	62·0	61·9	61·4	61·0	61·0	—	60·9	—	60·7	60·7	61·0	—
	20	60·8	60·9	61·0	61·0	61·0	—	61·0	—	61·0	61·0	61·2	61·53
	21	62·8	62·7	62·6	62·2	62·3	—	62·2	—	62·0	61·8	61·8	62·67
	22	61·9	61·9	61·7	61·7	61·6	—	61·6	—	61·3	61·0	61·4	62·18
	23	61·9	61·9	62·0	61·8	61·9	—	61·8	—	61·7	61·5	61·8	62·51
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	62·0	61·9	62·0	61·8	61·9	—	61·9	—	61·8	61·8	62·0	62·37
	26	62·3	62·2	62·2	62·6	62·5	—	62·8	—	62·9	62·5	62·3	62·62
	27	63·1	63·0	62·9	62·6	62·6	—	62·5	—	62·6	62·0	62·2	63·08
	28	62·9	62·8	62·7	62·1	62·1	—	62·0	—	62·0	62·0	62·0	62·93
	29	62·9	62·7	62·5	62·0	62·0	—	62·0	—	62·0	61·9	62·0	63·15
	30	62·0	62·3	62·4	62·8	62·6	—	62·7	—	62·7	62·4	63·0	62·60
	31	—	—	—	—	—	—	—	—	—	—	—	—
	32	63·8	63·8	63·9	63·8	63·8	—	62·8	—	63·5	63·1	63·4	—
Hourly Means	62·23	62·13	62·08	61·94	61·91	61·91	61·92	61·87	61·82	61·64	61·84	—	

HORIZONTAL FORCE.												
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.												
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .
	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	—	—	—	—	—	—	—	—	—	—	—	—
2	48.2	48.0	46.2	44.1	44.0	41.9	41.3	40.1	42.0	41.1	37.9	38.0
3	48.8	47.1	43.7	40.0	39.1	37.6	38.9	35.1	37.0	36.9	36.0	38.1
4	44.6	45.0	43.8	41.0	39.9	38.0	37.8	37.9	39.2	39.1	39.0	39.0
5	46.8	46.0	46.9	47.9	42.9	43.0	39.1	36.0	36.0	38.1	37.8	39.3
6	43.9	41.0	37.8	37.9	39.8	35.0	29.0	25.1	30.0	26.0	30.0	25.1
7	40.0	40.1	39.9	40.0	38.0	35.1	36.8	36.9	37.1	37.2	37.3	38.1
8	—	—	—	—	—	—	—	—	—	—	—	—
9	49.0	50.0	49.0	47.9	46.7	46.9	45.2	43.8	43.2	—	41.3	41.1
10	53.0	53.0	52.0	50.1	49.2	47.9	45.9	44.1	45.0	45.0	45.0	45.1
11	53.2	51.5	51.7	49.8	46.9	45.4	45.0	45.8	44.0	41.9	42.1	42.0
12	51.0	52.5	49.8	48.2	47.0	48.1	47.1	46.0	46.2	46.6	46.6	46.4
13	53.2	52.2	50.9	47.9	47.0	46.0	45.0	45.4	45.2	45.6	45.0	46.1
14	60.5	62.2	61.1	57.7	55.2	53.2	51.9	52.7	50.8	50.6	51.1	50.9
15	—	—	—	—	—	—	—	—	—	—	—	—
16	53.0	53.9	53.2	52.4	47.9	43.0	41.3	43.0	43.4	44.2	42.3	43.2
17	51.1	52.8	51.2	49.0	46.0	44.5	43.6	40.9	43.3	43.2	44.2	44.8
18	51.2	49.0	48.4	47.2	45.9	44.2	44.4	44.3	44.9	44.0	44.2	45.1
19	55.5	55.3	53.1	51.0	48.2	46.7	45.0	44.0	44.9	44.9	44.9	46.0
20	54.0	54.0	53.4	50.0	48.2	47.0	47.0	47.1	47.0	47.1 <sup>b</sup>	46.9	48.1
21	60.9	61.0	58.7	56.0	50.9	49.1	49.1	47.0	43.7	43.1	44.3	47.4
22	—	—	—	—	—	—	—	—	—	—	—	—
23	56.4	55.1	54.5	52.8	50.1	45.0	46.9	42.0	39.8	48.8	43.9	44.9
24	53.1	52.0	49.0	47.1	45.0	45.4	46.5	47.1	48.0	48.0	47.9	49.8
25	56.8	56.9	55.0	49.8	48.8	47.9	47.3	48.8	47.0	47.1	—	48.1
26	57.0	54.0	51.3	48.0	46.8	43.2	40.2	40.0	33.6	33.9	33.1	34.1
27	54.0	54.6	51.0	48.9	47.1	49.9	46.9	45.0	42.1	41.6	42.9	51.8
28	53.0	54.9	52.1	48.9	49.2	45.5	43.3	42.6	41.0	42.5	46.2	45.0
29	—	—	—	—	—	—	—	—	—	—	—	—
30	53.8	51.8	50.9	49.5	47.4	46.1	45.2	46.4	46.7	47.1	47.8	47.3
31	59.2	58.0	56.5	54.8	52.0	51.0	49.3	49.1	48.7	45.1	50.0	47.8
Hourly Means	52.35	52.00	50.43	48.38	46.51	44.87	43.81	42.93	42.68	42.75	42.71	43.56
TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
AUGUST. 1	—	—	—	—	—	—	—	—	—	—	—	—
2	63.8	64.0	64.1	64.3	64.7	64.9	65.0	64.2	63.9	—	64.0	63.9
3	63.8	64.0	64.5	65.1	65.6	65.8	66.0	65.2	65.0	64.9	64.9	64.7
4	64.3	64.9	65.4	65.9	66.2	66.4	66.2	65.5	64.7	64.1	64.2	64.0
5	64.0	64.0	64.5	64.9	65.0	65.0	65.1	64.5	64.2	64.1	64.0	64.0
6	63.2	63.5	63.8	64.0	64.2	64.7	64.8	65.0	64.7	64.2	64.4	64.2
7	63.3	63.9	64.0	64.2	64.2	64.6	64.3	64.1	64.0	64.0	63.6	63.4
8	—	—	—	—	—	—	—	—	—	—	—	—
9	62.5	63.0	63.2	63.2	63.2	63.6	63.7	62.0	63.8	—	62.6	62.5
10	62.0	62.1	62.0	62.8	62.9	63.1	63.0	62.7	62.0	62.0	62.0	62.0
11	62.0	62.6	63.0	63.1	63.2	63.4	63.6	62.8	62.7	62.5	62.3	62.4
12	61.9	62.6	62.8	63.0	63.1	63.1	63.0	62.7	62.4	62.4	62.3	62.2
13	62.0	62.2	63.8	62.9	63.0	63.0	63.0	62.8	62.5	62.3	62.1	62.0
14	62.2	62.4	62.7	62.7	63.0	63.0	63.0	62.9	62.6	62.6	62.6	62.6
15	—	—	—	—	—	—	—	—	—	—	—	—
16	62.0	62.2	62.8	63.0	63.3	63.4	63.1	62.4	62.4	62.2	62.2	62.0
17	61.4	61.7	62.1	62.2	62.7	62.9	62.9	62.5	62.3	62.0	62.0	61.9
18	61.5	61.9	62.3	62.7	63.0	63.0	63.1	62.5	62.0	62.0	62.0	62.0
19	62.7	63.7	64.4	65.0	65.8	66.2	66.1	65.0	63.8	63.7	63.0	62.8
20	62.4	63.0	63.3	63.6	63.8	63.9	63.6	62.9	62.5	63.2	62.0	61.9
21	61.3	62.0	62.7	63.0	63.7	63.6	64.0	62.8	62.4	62.0	62.0	61.8
22	—	—	—	—	—	—	—	—	—	—	—	—
23	61.6	62.3	62.6	63.0	63.0	63.0	62.7	61.8	61.2	61.1	61.1	61.0
24	60.8	61.1	61.6	62.0	62.1	62.5	62.0	61.1	61.0	60.9	60.9	60.9
25	60.4	61.0	61.2	61.8	61.9	62.0	62.0	61.2	61.0	61.0	—	61.0
26	61.0	61.7	62.0	62.0	62.0	62.0	62.0	61.5	61.6	61.6	61.7	61.6
27	61.0	61.8	62.0	62.8	63.2	65.7	63.9	62.5	62.2	62.2	62.1	61.0
28	61.2	61.9	62.4	63.2	63.9	66.9	65.0	63.5	62.6	62.1	62.0	62.0
29	—	—	—	—	—	—	—	—	—	—	—	—
30	61.1	61.7	62.0	62.1	62.2	62.4	62.1	61.6	61.8	61.6	61.2	61.0
31	60.1	61.6	62.0	62.7	62.9	63.0	63.0	62.0	61.7	61.7	61.5	61.1
Hourly Means	62.06	62.57	62.97	63.28	63.53	63.89	63.70	62.99	62.73	62.52	62.51	62.30

\* Temperature not recorded, omitted in the means.

<sup>b</sup> Late, time not stated.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	—	—	—	—	—	—	—	—	—	—	—	
	2	35.9	33.7	42.0	40.0	41.0	40.9	42.0	42.1	43.1	47.0	49.8	42.22
	3	38.9	40.0	39.8	41.0	42.0	43.2	42.3	43.0	42.0	42.0	41.9	40.22
	4	40.0	40.0	41.1	—	42.9	42.7	42.7	42.2	42.5 <sup>a</sup>	44.8	44.9	40.98
	5	38.6	39.7	41.8	42.3	41.8	41.0	41.2	41.5	42.1	40.8	42.2	40.85
	6	36.0	31.4	31.9	35.9	38.0	39.2	41.3	42.1	42.4	41.8	43.0	35.21
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	43.1	42.8	44.0	43.0	43.8	43.2	43.2	43.9	44.0	45.9	47.2	40.43
	9	41.9	42.9	42.2	43.3	44.2	45.0	45.9	46.2	47.6	50.4	53.0	45.16
	10	46.0	46.1	46.5	47.2	47.2	47.7	48.0	48.2	49.2	51.5	51.9	47.78
	11	41.1	42.3	46.1	45.3	44.5	48.0	47.3	45.8	45.8	47.0	52.5	46.29
	12	46.9	47.1	47.0	49.0	49.1	49.1	50.0	51.0	51.4	52.4	53.1	48.25
	13	46.9	47.1	47.6	49.6	51.9	51.7	52.8	52.9	54.8	54.9	57.5	48.62
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	43.4	45.1	46.1	46.2	45.6	45.8	46.0	46.8	47.8	50.0	52.0	51.25
	16	44.2	45.0	43.8	48.4	48.0	45.2	45.0	45.8	47.2	50.0	51.0	46.29
	17	45.3	45.0	47.5	47.0	46.0	45.8	45.9	46.9	47.8	47.5	51.8	46.12
	18	46.0	46.6	46.9	47.0	47.0	47.0	46.9	47.7	49.5	50.0	53.0	46.67
	19	45.7	45.9	47.9	47.4	48.4	48.5	49.1	49.6	51.2	53.0	54.4	48.22
	20	49.9	50.3	50.0	49.9	50.2	51.8	51.1	52.2	53.2	55.5	59.1	50.00
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	51.0	48.8	52.1	48.0	49.0	48.3	47.2	48.0	49.4	53.5	55.0	50.53
	23	51.1	47.9	47.1	47.9	49.0	48.5	47.8	49.9	50.0	52.0	51.2	48.29
	24	49.2	48.8	49.0	50.8	51.4	51.3	51.5	52.5	54.0	55.6	57.0	49.39
	25	49.1	48.3	49.8	49.9	51.0	51.8	52.2	52.8	53.8	55.4	57.0	50.92
	26	36.5	39.0	45.8	45.9	44.0	44.7	47.1	48.5	48.5	48.1	55.1	43.78
	27	52.4	51.0	49.1	48.0	50.8	51.2	49.0	48.4	48.1	49.8	48.0	48.11
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	45.1	46.9	46.9	47.0	47.1	47.0	47.9	48.2	48.1	49.2	52.7	46.96
	30	47.9	48.1	48.2	49.3	50.0	50.2	50.5	50.7	52.2	56.0	58.0	49.17
	31	48.2	50.0	49.9	48.9	46.0	46.0	45.0	48.0	50.1	50.0	49.6	50.57
Hourly Means		44.63	44.61	45.77	46.33	46.53	46.72	46.88	47.50	48.53	49.77	51.61	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
AUGUST.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	63.7	63.7	63.7	63.1	63.0	—	63.0	—	62.8	62.9	63.1	63.84
	3	64.1	64.0	64.0	64.0	63.9	—	63.8	—	63.6	63.5	64.0	64.53
	4	63.9	63.9	63.8	—	63.9	—	63.8	—	—	63.7	63.7	64.70
	5	64.0	64.0	63.8	63.8	63.6	—	63.6	—	63.4	63.0	63.3	64.12
	6	64.2	64.0	63.8	63.5	63.1	—	63.0	—	62.9	62.8	63.0	63.95
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	62.8	62.8	62.7	62.7	62.8	—	62.5	—	62.1	62.0	62.1	63.35
	9	62.3	62.3	61.9	61.9	61.9	—	61.9	—	61.8	62.0	61.8	62.58
	10	62.0	62.0	61.9	61.6	61.3	—	61.4	—	61.2	61.1	61.4	62.05
	11	62.0	61.9	61.8	61.1	61.1	—	61.2	—	61.2	61.2	61.6	62.24
	12	62.0	61.9	61.9	61.7	61.8	—	61.8	—	61.7	61.5	61.5	62.26
	13	62.1	62.0	61.9	62.0	61.9	—	61.9	—	62.0	62.1	62.2	62.43
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	61.7	61.9	61.9	61.4	61.5	—	61.7	—	61.7	61.7	61.8	62.28
	16	62.0	62.0	61.9	61.5	61.3	—	61.4	—	61.3	61.0	61.1	62.17
	17	61.7	61.6	61.5	61.0	61.1	—	61.3	—	61.3	61.2	61.3	61.88
	18	61.9	61.9	61.8	61.7	61.1	—	60.9	—	60.8	61.0	61.8	61.97
	19	62.8	62.7	62.7	61.9	61.9	—	61.6	—	61.4	61.2	61.8	63.42
	20	61.8	61.6	61.4	61.0	61.0	—	61.0	—	61.0	60.8	60.8	62.21
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	61.0	61.0	61.0	60.8	60.8	—	60.9	—	60.7	60.9	61.2	61.96
	23	61.0	61.0	60.9	60.7	60.7	—	60.7	—	60.4	60.0	60.3	61.44
	24	61.0	60.9	60.9	60.7	60.5	—	60.5	—	60.1	60.0	60.0	61.05
	25	60.7	60.6	60.4	60.0	60.0	—	60.0	—	60.0	60.1	60.6	60.81
	26	61.0	61.0	61.0	60.9	60.8	—	60.8	—	60.6	60.6	60.6	61.34
	27	62.0	61.9	61.7	61.0	61.1	—	61.1	—	61.0	61.0	61.0	61.97
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	61.1	61.1	61.1	61.0	61.0	—	61.0	—	61.1	61.0	61.1	62.15
	30	61.0	61.0	60.9	60.9	60.8	—	60.8	—	60.8	60.8	60.7	61.37
	31	61.0	60.9	60.9	60.3	60.2	—	60.3	—	60.0	60.1	60.0	61.32
Hourly Means		62.11	62.06	61.97	61.61	61.62	61.61	61.61	61.51	61.40	61.43	61.61	

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen } Time. }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	50.0	49.8	49.7	45.5	42.0	43.2	44.6	44.0	43.8	41.8	45.0	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	61.9	62.8	60.0	56.1	54.1	54.0	52.1	50.9	50.1	51.5	52.9	55.5
	4	65.0	65.8	66.5	64.0	61.0	58.1	56.1	56.0	55.9	55.1	55.0	55.0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	65.0	64.2	62.8	60.0	58.1	57.0	56.8	56.2	55.7	56.8	56.0	55.7
	7	64.1	63.0	61.9	60.0	58.6	—	55.3	53.8	55.5	56.0	56.0	55.8
	8	63.2	63.1	62.1	60.0	57.9	56.9	55.9	55.2	55.0	55.9	56.2	56.0
	9	64.1	64.9	63.8	61.5	58.6	57.0	56.0	55.6	55.0	55.7	55.4	55.9
	10	67.5	67.8	65.9	62.9	60.9	59.0	58.0	57.6	56.8	55.6	58.0	57.9
	11	65.5	65.6	64.6	62.0	60.0	58.0	57.6	57.1	60.0	60.1	61.3	62.1
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	59.2	54.9	53.7	52.0	49.0	51.0	50.0	52.2	51.1	55.4	53.4	53.0
	14	52.0	52.0	52.1	52.6	51.8	51.2	48.2	50.2	50.9	51.3	52.9	54.9
	15	62.1	61.9	59.8	57.7	55.1	54.1	53.9	52.0	53.0	52.5	51.9	53.0
	16	65.9	66.0	65.0	62.1	59.0	57.0	52.8	51.9	53.0	51.8	51.8	54.0
	17	59.5	60.1	60.5	58.2	56.0	55.0	53.2	54.6	51.0	53.4	55.1	53.8
	18	64.6 <sup>d</sup>	64.1 <sup>d</sup>	62.5	60.9	58.1	56.9	56.0	54.9	53.8	53.0 <sup>b</sup>	52.5 <sup>c</sup>	53.0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	64.0 <sup>d</sup>	64.8 <sup>d</sup>	63.8	59.6	57.8 <sup>d</sup>	56.2	54.0	53.0	49.7	52.9	53.6	53.9
	21	63.1 <sup>d</sup>	61.1 <sup>d</sup>	59.0	56.0	54.0	52.0	52.0	54.0	53.5	53.8	54.7	55.0
	22	64.8	63.0	61.8	59.0	56.0	55.6	56.9	55.9	58.1	56.0	56.9	56.9
	23	65.9	65.9	64.5	62.1	61.0	59.1	58.9	59.0	59.1	59.8	59.9	60.0
	24	72.0	73.0	70.2	67.0	63.2	58.9	53.0	43.9 <sup>d</sup>	42.0	44.0	44.6 <sup>d</sup>	44.9
	25	44.2	36.8 <sup>d</sup>	32.9	23.1	10.7	9.0	3.5	10.0 <sup>f</sup>	16.9	21.8	23.2	23.0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	52.0 <sup>d</sup>	49.0	45.8	46.1	45.0	39.4	41.1	44.0	42.0	44.1	47.1	49.2
	28	58.8	56.7	56.0	54.4	51.0	53.6	49.4	46.0	46.9	48.0	49.0	51.1
	29	58.7	59.9	58.2	50.0	43.9	43.3	46.6	46.0	47.1	53.7	50.1	50.1
	30	62.2	60.1	58.3	56.0	53.0	51.0	49.2	50.5	51.4	51.9	55.2	55.0 <sup>a</sup>
Hourly Means <sup>e</sup>	63.07	62.08	60.93	58.37	55.82	54.44	53.35	53.15	52.51	53.47	54.27	54.40	
TEMPERATURE OF THE BIFILAR MAGNET.													
SEPTEMBER.	1	60.8	61.5	62.0	62.1	62.1	62.2	62.0	61.7	61.3	61.2	60.9	60.9
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	60.0	60.5	61.0	61.2	61.6	61.6	61.5	60.3	60.0	60.0	59.9	59.8
	4	59.7	60.0	60.9	61.4	61.8	61.9	61.8	61.0	60.6	60.1	60.0	59.9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	59.8	60.0	60.9	61.2	61.8	62.0	62.0	61.2	60.7	60.7	60.8	60.6
	7	61.0	61.8	62.5	62.9	63.0	—	63.0	62.0	61.2	61.0	61.0	61.0
	8	61.3	62.0	63.0	63.0	63.2	63.4	63.2	62.4	61.9	61.8	61.7	61.2
	9	61.7	62.1	62.9	63.2	63.8	63.9	63.7	62.7	62.3	62.2	62.0	62.0
	10	61.7	62.0	62.4	62.6	62.6	62.2	62.0	61.4	61.2	61.2	61.1	61.1
	11	61.0	61.3	61.8	61.8	61.9	61.9	61.8	61.1	61.0	61.0	61.0	61.0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	61.0	61.6	61.9	62.0	62.0	62.0	62.1	61.4	61.0	60.9	60.9	60.8
	14	60.2	60.8	61.0	61.5	61.7	61.9	61.8	61.0	60.8	60.8	60.8	60.6
	15	60.2	61.1	62.0	62.2	63.0	63.2	63.2	62.0	61.8	61.4	61.3	61.1
	16	61.2	61.5	61.8	61.7	61.8	61.8	61.6	61.4	61.0	60.9	60.8	60.6
	17	60.9	61.2	61.8	62.0	62.0	62.0	62.0	61.1	61.1	61.0	60.9	60.9
	18	—	—	62.7	63.0	63.7	64.0	64.3	63.7	62.9	64.7 <sup>b</sup>	62.5 <sup>c</sup>	62.0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	—	63.9	64.2	—	64.8	65.0	64.0	63.4	63.1	63.2	63.0
	21	—	—	63.0	62.9	63.1	63.7	63.6	62.5	62.1	62.0	62.0	62.0
	22	61.4	61.6	61.8	61.9	62.0	62.1	61.9	61.1	61.0	61.0	61.0	61.1
	23	60.2	60.9	61.0	61.2	61.3	61.7	61.3	61.1	60.9	60.6	60.5	60.2
	24	60.2	60.9	61.5	61.7	61.0	62.0	62.1	—	60.8	60.9	—	60.9
	25	60.4	—	61.7	61.9	62.0	62.0	61.6	61.9	61.2	61.0	60.9	60.8
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	61.1	61.9	62.4	62.9	62.9	62.7	61.9	61.6	61.1	61.0	61.0
	28	61.6	61.1	61.9	62.0	62.1	62.1	62.1	61.4	61.4	61.1	61.0	60.5
	29	61.0	61.7	62.1	62.5	62.8	62.9	63.0	61.9	61.8	61.8	61.8	61.5
	30	60.9	61.1	61.9	62.0	62.4	62.6	62.1	61.2	61.1	61.0	61.0	61.1
Hourly Means <sup>e</sup>	60.78	61.22	61.99	62.20	62.34	62.57	62.53	61.74	61.39	61.33	61.20	61.04	

<sup>a</sup> Magnetometer re-adjusted.<sup>b</sup> Late; time not stated.<sup>c</sup> Eight minutes late.<sup>d</sup> Temperature not recorded; omitted in the means.

HORIZONTAL FORCE.												
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.
	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	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
2	52.3	52.5	53.0	—	53.7	52.8	51.8	53.5	55.1	56.8	59.8	—
3	54.1	54.6	55.9	56.2	56.0	56.2	55.9	56.0	56.2	57.8	60.5	55.16
4	—	—	—	—	—	—	—	—	—	—	—	58.70
5	57.0	55.6	56.0	56.9	59.1	58.1	57.9	58.2	58.8	61.1	64.0	—
6	56.0	55.0	56.2	58.4	57.1	58.0	57.0	57.1	58.6	60.8	63.2	58.25
7	55.9	56.0	56.0	55.9	55.9	55.1	55.1	55.4	56.8	57.4	61.5	57.12
8	56.0	56.9	57.0	57.2	57.3	57.7	57.1	57.9	58.4	60.9	62.7	57.81
9	56.1	57.2	57.4	59.0	59.0	59.1	59.8	59.8	60.8	63.5	65.9	58.69
10	58.3	58.0	57.9	58.4	58.0	58.0	58.0	58.6	59.6	61.9	64.7	59.93
11	—	—	—	—	—	—	—	—	—	—	—	59.97
12	57.1	57.1	57.5	59.0	60.5	60.0	59.8	59.8	59.1	60.2	63.2	—
13	53.1	53.9	54.7	54.9	53.1	55.1	55.8	54.0	51.9	50.0	54.2	53.09
14	54.0	53.8	55.1	54.9	54.1	55.0	55.0	55.3	56.7	59.5	60.0	53.05
15	52.0	53.0	53.8	55.3	54.1	54.1	54.0	55.0	57.0	61.8	64.5	55.39
16	54.1	53.0	57.0	55.9	53.2 <sup>b</sup>	54.5	55.0	55.0	55.5	56.9	58.2	56.52
17	55.6	57.2	58.8	59.9	59.9	58.4	59.0	59.5	60.8	60.1	62.9	56.94
18	—	—	—	—	—	—	—	—	—	—	—	55.85
19	53.3	53.9	53.7	53.9	54.1	54.1	54.8	55.5	57.3	60.9	62.9	—
20	56.0	52.1	53.0	53.0	54.0	54.1	55.2	57.0	59.0	61.1	63.2	55.24
21	55.9	56.0	56.0	56.5	56.7	56.9	57.1	58.1	59.8	62.0	64.7	55.88
22	58.1	58.5	58.1	58.1	58.9	59.0	59.9	60.1	61.9	64.0	65.0	59.05
23	60.0	60.1	61.3	63.8	64.0	64.5	65.3	66.0	66.1	65.9	70.0	62.05
24	45.6	48.2	52.9	53.9	52.0	51.5	51.5	50.5	51.5	55.4	48.0	55.97
25	—	—	—	—	—	—	—	—	—	—	—	—
26	47.9	47.0	47.9	49.6	49.0	48.3	50.0	48.5	46.0	47.0	45.1	—
27	50.0	50.0	50.0	51.2	50.9	50.0	51.2	51.9	53.0	57.0	59.1	47.67
28	52.8	52.3	52.5	—	56.2	54.9	54.8	55.0	—	55.0	54.1	52.02
29	50.9	57.1	55.1	52.4	51.8	50.9	51.2	52.4	54.0	58.5	61.0	51.56
30	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	54.63	54.98	55.72	56.41	56.18	56.15	56.38	56.73	57.75	59.62	61.52	

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
2	60.6	60.2	60.1	—	59.8	—	59.8	—	61.8	59.7	59.8	—
3	59.9	59.9	59.9	59.8	59.7	—	59.5	—	59.2	59.1	59.1	60.21
4	—	—	—	—	—	—	—	—	—	—	—	60.20
5	59.4	59.5	59.8	59.1	59.1	—	59.2	—	59.1	59.1	59.3	—
6	60.2	60.2	60.2	59.9	59.9	—	59.9	—	59.9	60.0	60.1	60.62
7	60.9	60.9	60.8	60.9	60.9	—	61.0	—	60.4	60.2	60.3	61.46
8	61.5	61.7	61.4	61.1	61.0	—	60.9	—	60.9	60.8	61.0	61.87
9	62.0	61.9	61.6	61.0	61.0	—	61.0	—	61.0	61.0	61.0	62.14
10	61.0	61.0	61.0	60.9	61.0	—	61.0	—	60.9	61.1	61.0	61.45
11	—	—	—	—	—	—	—	—	—	—	—	60.81
12	59.9	60.0	59.9	60.0	60.0	—	60.0	—	61.1	60.3	60.6	—
13	60.6	60.4	60.2	60.0	60.0	—	60.0	—	60.0	59.8	59.9	60.91
14	60.1	60.0	59.9	59.5	59.5	—	59.5	—	59.2	59.4	60.0	60.47
15	61.0	60.9	60.9	60.2	60.6	—	60.6	—	60.1	60.3	60.9	61.37
16	60.4	60.1	60.1	60.1	61.0 <sup>b</sup>	—	60.1	—	60.0	60.0	60.1	60.86
17	60.8	60.4	60.3	59.5	60.0	—	60.0	—	60.0	60.0	60.4	60.87
18	—	—	—	—	—	—	—	—	—	—	—	62.64
19	62.0	62.0	61.9	61.9	61.7	—	61.7	—	61.7	61.8	62.4	—
20	62.8	62.8	62.8	62.1	62.0	—	62.0	—	62.0	62.0	62.0	63.12
21	61.9	61.9	61.8	60.2	61.3	—	61.3	—	61.5	61.1	61.2	62.05
22	61.0	61.0	60.8	60.7	60.2	—	60.2	—	60.1	60.0	60.0	61.07
23	60.8	60.5	60.2	60.1	60.0	—	60.0	—	59.9	59.8	59.9	60.60
24	60.2	60.2	60.2	60.0	60.0	—	60.0	—	60.0	59.9	60.0	60.59
25	—	—	—	—	—	—	—	—	—	—	—	—
26	59.9	59.9	59.9	59.6	59.5	—	59.5	—	59.2	59.2	59.8	—
27	60.9	60.8	60.3	60.2	60.2	—	60.1	—	60.2	61.0	60.1	61.32
28	60.2	61.3	60.2	—	59.9	—	60.4	—	—	60.6	60.6	61.17
29	61.0	61.0	61.0	60.8	60.7	—	60.7	—	60.3	60.1	60.6	61.57
30	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	60.84	60.84	60.69	60.38	60.44	60.42	60.41	60.38	60.36	60.42	60.48	

<sup>a</sup> Observations of the 1st, 2nd, 25th, 26th, and 30th, omitted in the means.<sup>b</sup> The sign — is correct, the reading having been 10.0 sc. div. beyond the zero.

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	62.5	63.5	61.5	58.9	55.9	54.0	53.0	51.5	51.6	52.0	51.9	53.0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	64.9	65.0	63.0	59.2	57.5	55.0	52.0	50.0	52.0	53.0	53.7	54.0
	5	67.4	66.0	63.8	61.1	60.3	59.0	58.0	56.0	57.0	57.2	60.0	57.0
	6	60.2	56.8	56.4	55.6	53.5	52.4	53.1	48.2	52.0	51.1	51.1	54.0
	7	63.0	64.0 <sup>b</sup>	62.1	60.0	57.1 <sup>b</sup>	54.9	54.8	55.1	52.0	51.9	54.3	53.1
	8	62.9	59.0	56.9	55.9	55.0	51.0	44.6	38.0	38.0	43.0	45.5	44.0
	9	57.6	56.1	55.1	54.4	53.9	51.8	51.5	51.1	52.2	47.3	46.7	49.3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	60.1	60.0	59.1	57.0	55.0	53.5	53.0	52.7	52.7	52.0	52.2	52.3
	12	64.0	61.4	59.2	57.8	57.1	55.9	56.2	54.8	54.8	55.0	55.9	56.0
	13	70.0	68.0	65.1 <sup>b</sup>	64.2	62.9	60.0	58.0	55.9	54.0	55.0	55.9	56.9
	14	69.0	67.7	65.0	62.1	60.0	58.9	57.9	55.9	54.7	52.9	53.8	55.2
	15	64.9	64.0	62.0	61.5	60.5	60.0	55.0	53.5	55.5	55.0	55.5	55.9
	16	66.9	65.9	64.3	63.0	61.0	56.5	55.3	54.0	54.9	54.1	58.0	58.0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	61.7	60.9	59.4	59.0	58.1	54.0	58.1	54.1	54.0	53.0	54.2	55.0
	19	67.0	66.0	64.0	62.0	60.0	57.2	53.9	55.1	54.0	53.0	55.0	56.0
	20	67.0	63.0	63.5	62.2	60.5	57.2	53.2	53.2	54.8	54.3	56.1	55.4
	21	58.2	59.2	53.0	52.8	49.0	53.0	50.0	48.2	50.7	51.0	51.1	52.8
	22	62.0	62.8	61.3	60.0	59.0	58.0	56.2	55.1	55.0	54.3	54.9	56.0
	23	62.5	61.2	60.0	58.0	55.1	54.0	54.0	54.0	54.0	54.0	55.1	55.9
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	50.2	47.0	42.7	36.9	44.0	33.0	35.9	28.7	34.9	39.3	41.6	49.5
	26	44.2	49.0	48.2	43.1	44.0	34.9	42.5	43.2	49.0	47.9	48.9	50.0
	27	53.4	52.0	51.0	49.0	50.0	51.0	50.0	52.0	51.0	51.1	53.1	57.0
	28	58.1	56.0	54.0	54.1	53.2	51.4	50.0	49.0	53.0	53.0	54.8	55.0
	29	63.0	62.1	60.8	60.2	60.0	58.0	54.9	51.0	53.5	54.1	53.0	57.0
	30	65.0	65.9	63.9	62.0	60.4	58.9	56.2	54.9	54.1	54.9	55.1	55.5
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>c</sup>	61.70	60.55	58.53	57.00	55.89	53.52	52.55	50.85	51.89	51.85	53.01	54.10	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
OCTOBER.	1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	61.0	61.2	61.8	62.0	62.2	62.2	62.0	61.1	61.0	61.0	60.9	60.9
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	61.0	61.1	62.4	61.6	61.7	61.8	61.7	61.1	60.4	60.8	60.8	60.8
	5	60.2	60.7	61.0	61.2	61.2	61.2	61.1	60.7	60.2	60.0	60.0	59.9
	6	60.2	60.9	61.4	61.7	61.9	62.1	62.0	61.0	60.7	60.8	60.5	60.7
	7	61.0	—	61.9	61.9	—	63.1	62.0	61.1	61.0	61.0	61.0	60.9
	8	61.0	61.9	62.2	63.9	63.4	63.7	63.1	62.0	62.9	62.9	61.8	61.6
	9	61.8	62.1	62.9	63.0	63.4	63.8	64.9	64.9	62.0	62.1	62.2	62.1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	61.0	61.5	61.8	62.2	62.8	62.9	62.9	61.9	61.8	61.8	61.3	61.3
	12	61.3	62.0	63.6	62.7	62.9	62.7	63.0	60.9	60.9	60.9	60.9	60.9
	13	60.7	60.1	—	62.0	62.4	62.4	61.9	61.4	60.9	60.9	60.9	60.9
	14	60.1	61.0	61.0	61.7	61.8	61.8	61.7	59.8	60.5	60.1	60.4	60.1
	15	60.9	60.6	60.7	61.0	61.0	61.3	61.5	60.5	60.0	60.3	60.8	60.4
	16	60.0	60.8	61.1	61.9	62.1	62.3	62.2	60.4	60.9	60.8	60.8	60.7
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	61.5	62.0	62.7	63.0	63.0	63.6	63.0	62.0	62.9	62.9	62.9	62.8
	19	61.1	62.0	62.6	62.9	63.0	63.0	63.0	62.2	61.7	61.3	61.1	61.1
	20	61.0	61.8	62.1	62.0	62.5	62.8	62.8	62.0	61.9	61.8	61.7	61.5
	21	61.1	61.7	62.1	62.8	62.9	64.5	63.0	62.7	62.2	61.7	61.7	61.6
	22	62.0	62.9	63.4	63.9	64.0	64.0	63.8	62.7	62.1	62.0	61.8	61.6
	23	61.7	62.6	63.1	63.4	63.9	64.1	64.0	62.9	62.6	62.4	61.9	61.8
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	63.1	64.3	65.7	66.1	67.0	67.1	67.0	66.2	64.9	64.9	63.7	63.6
	26	63.2	64.1	64.4	64.9	65.0	64.9	64.8	63.9	63.0	63.0	63.0	62.7
	27	62.7	63.2	63.8	63.9	64.0	64.2	64.0	63.0	62.6	62.3	62.1	61.9
	28	61.9	62.4	62.8	63.2	62.7	63.8	64.8	62.8	62.0	62.0	62.7	62.7
	29	62.1	62.6	62.9	63.0	63.0	63.1	63.1	62.4	62.0	61.9	61.6	61.6
	30	62.2	62.9	63.4	63.7	64.0	63.9	63.7	62.8	62.0	62.0	62.0	62.0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>c</sup>	61.32	61.89	62.50	62.75	62.95	63.18	63.05	62.07	61.71	61.65	61.52	61.42	

<sup>a</sup> Magnetometer re-adjusted.<sup>b</sup> Temperature not recorded; omitted in the means.<sup>c</sup> 2 minutes late.<sup>d</sup> 11 minutes late.





HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00023.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
NOVEMBER.	1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	58.0	56.0	54.0	52.0	51.0	49.0	48.0	43.0	44.9	46.0	45.1	45.5
	3	51.9	51.9	50.7	49.0	49.0	49.1	48.2	47.0	47.8	47.8	47.0	47.4
	4	44.9	38.7	37.5	37.0	37.1	41.0	41.0	40.1	43.0	43.2	44.0	44.2
	5	48.4	48.1	44.9	44.5	40.1	45.0	44.0	41.0	34.1	38.2	39.1	42.0
	6	44.9	42.2	42.1	45.0	46.2	45.2	44.0	39.1	39.9	44.5	41.5	44.0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	44.1	45.0	44.0	43.0	41.7	41.0	41.0	42.3	44.0	44.2	44.1	44.0
	9	52.0	52.0	50.2	47.0	45.9	45.0	43.2	39.5	40.5	43.5	44.0	45.8
	10	53.0	50.1	49.2	48.2	47.1	45.0	42.2	43.8	44.9	44.9	44.1	42.9
	11	55.7	53.2	50.0	46.9	47.7	43.9	37.3	42.0	44.1	44.1	44.0	44.5
	12	50.9	47.9 <sup>c</sup>	47.1	47.9	44.9	45.1	44.1	42.9	43.0	43.0	45.4	44.9
	13	56.0	—	50.2	49.9	49.2	45.7	46.0	44.4	43.0	43.1	44.1	45.1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	50.2	49.3	49.2	48.5	48.0	47.0	45.0	44.1	44.1	44.0	45.0	46.0
	16	52.0	51.8	50.0	48.0	47.2	47.0	46.1	46.0	46.0	46.0	46.0	46.9
	17	52.5	55.0	50.6	49.1	49.1	48.0	47.0	46.4	44.8	46.2	46.7	47.4
	18	54.0	53.0	51.2	49.1	47.0	44.8	41.9	35.6	26.4	21.0	28.5	25.1
	19	35.0	35.9	35.2 <sup>c</sup>	34.0	34.9	35.5	34.3	36.3	36.0	33.1	34.9	34.0
	20	40.0	42.0	34.7	32.0	33.5	36.0	35.2	37.9	40.0	42.7	44.4	41.7
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	52.0	52.8	51.9	46.0	43.0	43.0	38.0	38.9	38.0	40.6	41.3	42.2
	23	48.4	46.0	44.0	43.0	42.0	39.1	37.3	40.0	40.9	42.5	43.5	44.0
	24	47.9	47.0	42.8	43.0	41.9	41.1	40.3	41.7	40.9	41.0	42.1	42.7
	25	53.1	50.2	50.1	49.1	47.8	46.0	44.9	43.1	44.1	45.2	45.9	46.0
	26	56.5	55.0 <sup>c</sup>	53.2 <sup>c</sup>	49.0 <sup>c</sup>	47.2 <sup>c</sup>	47.0 <sup>c</sup>	46.2 <sup>c</sup>	44.0	43.9	44.9	45.0	45.9
	27	50.7	48.0	47.1	46.0	45.0	43.1	43.2	43.9	43.9	43.4	45.8	46.2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	52.0	50.7	50.1	49.0	47.9	47.0	47.0	46.0	45.2	46.1	47.0	47.0
	30	56.0	54.5	52.8	51.0	51.0 <sup>c</sup>	50.0 <sup>c</sup>	49.2 <sup>c</sup>	47.0	47.0	46.9	47.1	47.4
Hourly Means <sup>d</sup>	49.90	48.52	47.34	45.53	44.66	44.03	42.57	41.96	41.72	42.36	43.20	43.46	
TEMPERATURE OF THE BIFILAR MAGNET.													
NOVEMBER.	1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	62.8	62.5	63.9	63.0	63.2	63.2	62.8	62.3	62.0	62.0	62.0	
	3	61.7	62.0	62.4	62.8	63.0	63.1	63.1	62.6	62.2	62.2	62.0	62.1
	4	62.0	62.2	62.5	62.3	63.0	63.0	63.0	62.4	62.1	62.0	62.0	62.0
	5	61.8	62.1	62.6	62.8	62.8	62.9	62.8	61.9	61.9	61.9	61.9	61.8
	6	62.0	62.6	63.1	63.4	63.8	64.0	63.9	63.6	62.9	62.9	62.8	62.7
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	62.6	63.2	64.0	65.0	65.9	66.4	66.3	65.1	64.1	64.9	63.7	63.7
	9	63.0	63.7	64.4	64.8	65.5	66.0	66.0	65.4	64.0	64.0	64.0	63.8
	10	64.1	63.7	65.7	66.0	67.0	67.3	67.0	65.7	65.0	64.9	64.8	64.7
	11	64.6	64.9	65.3	65.7	66.0	66.6	66.9	65.7	65.3	65.2	65.0	65.0
	12	65.1	—	66.0	66.1	66.7	66.8	66.7	66.1	65.0	64.7	64.6	64.1
	13	64.0	—	65.4	66.0	67.0	67.1	67.3	66.4	65.9	65.5	65.5	65.0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	65.8	66.3	66.9	67.0	67.0	67.6	67.7	67.0	65.9	65.6	65.2	65.0
	16	65.4	66.0	66.4	66.9	67.1	67.4	66.9	65.9	65.9	65.9	65.9	65.8
	17	65.2	65.6	66.0	66.0	66.6	66.6	66.2	65.7	65.6	65.4	65.1	65.4
	18	65.1	65.7	65.9	66.3	66.7	66.8	66.6	66.0	65.7	65.4	65.2	65.0
	19	64.6	65.1	—	66.5	66.8	66.9	67.0	66.0	65.4	65.0	65.0	64.9
	20	64.0	64.8	65.8	66.1	66.1	66.0	65.9	64.9	64.8	64.6	64.3	64.2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	63.9	64.9	65.8	66.2	67.0	67.6	67.8	67.0	66.0	65.9	65.5	65.2
	23	66.4	67.0	68.7	69.2	69.8	70.2	69.9	68.1	67.0	66.3	66.0	65.7
	24	67.0	68.0	68.8	69.1	69.1	69.0	68.6	67.7	67.0	66.9	66.9	66.3
	25	65.9	66.2	66.9	67.4	67.5	67.9	67.7	67.0	66.1	66.1	66.1	66.0
	26	65.8	—	—	—	—	—	—	66.7	66.4	66.2	66.1	66.1
	27	66.7	67.1	68.4	69.4	70.2	70.2	70.0	69.0	68.0	67.9	67.6	67.2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	66.4	66.9	67.5	67.9	68.3	68.6	67.6	67.6	67.0	67.0	66.8	66.8
	30	66.0	66.3	66.9	67.4	—	—	—	66.9	66.2	66.1	66.1	66.0
Hourly Means <sup>d</sup>	64.35	64.79	65.56	65.91	66.35	66.57	66.42	65.61	64.99	64.88	64.69	64.54	

<sup>a</sup> Magnetometer re-adjusted.<sup>b</sup> Late, time not stated.<sup>c</sup> Temperature not recorded; omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00018 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = 00023.													
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
NOVEMBER.	1	46.9	46.2	47.4	47.2	47.1	49.0	50.0	51.0	52.4	55.0	58.0	—
	2	46.2	46.1	46.6	47.8	47.0 <sup>b</sup>	46.2	47.0	48.0	48.9	49.0	50.0	48.38
	3	—	—	—	47.1	49.1	52.0	53.0	52.9	53.1	50.3	47.0	49.20
	4	44.0	44.0	46.0	45.0	46.1	47.4	47.0	47.9	48.0	47.7	50.1	43.11
	5	42.9	43.0	42.9	44.0	46.6	47.8	47.0	46.0	45.1	45.9	48.0	42.86
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	44.9	44.8	45.8	45.3	45.1	45.1	46.0	45.2	46.0	48.9	46.1	44.05
	8	44.4	45.3	44.8	46.0	46.0	47.1	51.0	52.0	50.0	50.0	49.5	44.78
	9	46.9	46.5	46.0	46.9	49.1	50.1	51.0	52.4	52.1	55.2	55.0	46.77
	10	44.1	45.0	45.0	46.4	48.4	49.1	51.3	51.6	52.8	54.4	56.0	47.12
	11	44.8	46.1	46.6	46.2	45.5	47.0	48.0	48.6	49.9	49.9	49.2	46.36
	12	45.8	46.0	46.1	46.0	47.5	48.0	50.1	51.9	52.1	54.8	55.6	46.76
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	43.1	43.4	44.0	45.0	45.1	45.9	47.0	48.0 <sup>b</sup>	49.2	48.8	50.2	46.73
	15	45.1	44.0	45.5	45.4	46.6	47.1	47.6	48.2	49.3	50.7	51.3	46.66
	16	47.1	47.5	47.9	49.9	—	52.4	54.0	54.0	45.9	55.4	57.9	48.97
	17	48.8	49.0	51.9	50.0	51.0	49.5	51.0	51.3	52.0	53.4	55.0	49.35
	18	25.9	25.9	27.9	31.2	31.0	33.2	34.3	35.0	38.5	37.9	38.8	36.82
	19	40.9	40.9	40.0	—	39.2	40.8	41.0	38.8	38.6	38.8	38.5	37.21
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	46.2	46.4	46.0	46.0	48.5	50.0	49.8	49.9	50.5	52.1	51.8	42.15
	22	43.0	44.0	43.8	45.1	45.5	47.0	47.0	46.8	47.6	48.7	47.8	44.22
	23	45.0	44.1	45.0	45.9	47.0	48.0	48.0	49.2	50.2	48.9	49.6	44.07
	24	46.0	45.9	46.0	48.0	47.6	48.8	50.3	50.4	51.8	53.1	55.7	45.08
	25	45.4	46.0	46.5	48.0	49.0	49.5	51.1	53.0	53.5	55.0	56.4	47.92
	26	46.9	47.5	47.9	47.1	48.1	48.9	49.9	50.6	51.3	52.3	51.0	—
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	44.5	45.3	45.5	46.9	48.0	49.1	50.0	51.0	51.9	52.0	52.0	46.54
	29	48.0	48.0	48.0	48.1	49.1	49.9	51.0	52.0	53.1	55.0	56.0	48.77
	30	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	44.23	44.42	44.90	45.92	46.27	47.43	48.41	48.87	49.13	50.26	50.76	—	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
NOVEMBER.	1	61.9	61.9	61.9	61.9	61.7	—	61.2	—	61.0	60.9	61.2	—
	2	61.9	61.6	61.6	60.8	60.8 <sup>b</sup>	—	60.8	—	61.1	61.0	61.1	62.09
	3	—	—	—	61.0	61.1	—	61.4	—	61.2	61.4	61.7	62.08
	4	61.8	61.8	61.7	61.6	61.6	—	61.6	—	61.4	61.0	61.1	62.06
	5	61.8	61.8	61.7	61.1	61.2	—	61.1	—	61.0	61.1	61.4	61.87
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	61.7	61.8	61.9	61.2	61.3	—	61.3	—	61.2	61.1	61.9	62.44
	8	63.0	63.0	62.8	62.1	62.1	—	62.0	—	61.9	62.0	62.4	63.63
	9	63.7	63.6	63.1	63.0	62.9	—	62.9	—	62.8	62.9	63.4	63.99
	10	64.8	64.7	64.7	64.2	64.2	—	64.0	—	63.9	64.0	64.0	65.08
	11	64.9	64.8	64.4	64.0	63.8	—	63.6	—	63.4	63.8	64.3	64.96
	12	64.0	64.0	63.1	63.1	63.1	—	63.2	—	63.1	63.0	63.4	64.72
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	65.3	65.0	64.9	64.9	64.9	—	65.0	—	65.0	64.9	65.0	65.54
	15	65.2	65.2	65.2	64.9	64.9	—	64.8	—	64.6	64.6	65.0	65.85
	16	65.2	65.1	65.0	64.9	—	—	64.6	—	64.8	64.9	65.0	65.67
	17	65.0	64.8	64.4	64.2	64.1	—	64.0	—	64.0	64.1	64.7	65.17
	18	64.9	64.9	64.7	64.7	64.7	—	64.8	—	64.1	64.0	64.0	65.36
	19	64.9	64.8	64.3	—	63.9	—	63.9	—	63.5	63.1	63.6	59.18
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	63.0	63.0	63.0	63.0	62.9	—	63.0	—	62.8	62.8	63.0	64.22
	22	65.0	64.7	64.5	64.1	64.0	—	63.9	—	64.0	64.6	65.3	65.42
	23	65.4	65.3	65.5	65.4	65.3	—	65.1	—	65.0	65.7	66.0	66.92
	24	66.4	66.1	66.1	65.7	65.6	—	65.4	—	65.4	65.4	65.6	67.01
	25	65.9	65.9	65.6	65.0	65.0	—	65.0	—	65.0	65.1	65.6	66.15
	26	66.0	66.0	66.0	65.9	65.9	—	65.9	—	65.9	—	66.1	—
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	66.0	66.2	66.0	65.8	65.7	—	65.5	—	65.1	65.6	65.9	67.40
	29	66.1	66.0	66.0	65.9	65.9	—	65.9	—	65.7	65.8	66.0	66.74
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	64.36	64.28	64.10	63.66	63.59	63.59	63.60	63.54	63.48	63.56	63.89	—	

<sup>a</sup> Observations of the 1st, 26th, and 30th, omitted in the means.

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. — .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	
	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	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	50·0	48·2	50·2	50·8	46·1	42·0	43·1	44·7	43·8	44·3	49·0	47·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	58·6	58·1	55·8	54·2	52·8	52·8	53·0	51·0	48·1	48·9	48·6	49·2
	7	61·7	60·0	60·2	58·5	56·0	54·9	52·0	51·7	52·8	54·6	54·2	51·4
	8	55·2	56·0	49·7	44·6	38·4	36·0	34·8	36·0	39·6	44·0	46·1	49·0
	9	57·2	56·0	52·5	52·6	50·0	51·0	48·6	48·0	48·5	49·0	49·0	50·0
	10	61·0	60·0	52·0	54·0	55·8	54·0	52·5	49·0	46·9	48·1	49·8	51·0
	11	61·0	60·0	58·0	56·0	54·1	52·8	51·2	51·0	51·8	51·6	52·0	52·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	62·6	62·4	61·1	59·7	58·5	56·0	53·0	51·9	52·9	53·9	54·3	55·1
	14	61·5	62·9	60·1	59·0	56·9	53·1	51·5	42·0	42·7	39·1	49·5	45·9
	15	56·2	55·7	55·0	53·0	53·0	52·0	50·3	49·1	48·9	50·8	49·4	48·1
	16	57·0 <sup>b</sup>	55·1 <sup>b</sup>	53·9	50·7	48·6 <sup>b</sup>	50·0 <sup>b</sup>	49·4	47·0	50·8	47·1	48·0	48·0
	17	63·5	61·7	50·0	55·2	56·1	53·2	51·8	48·9	47·1	51·4	53·8	51·0
	18	62·3	61·1 <sup>b</sup>	58·0	56·4	54·9	52·1	52·1	52·2	49·9	50·0	52·5	53·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	59·1	56·9	55·5	54·8	53·2	52·5	52·1	50·5	50·9	52·8	52·0	51·1
	21	57·8	57·9	56·2	54·2	52·8	52·0	52·0	53·0	52·9	53·5	54·4	54·7
	22	64·2	64·0	63·3	61·3	59·9	57·8	56·0	55·0	52·3	50·9	54·4	55·0
	23	54·9	54·7	55·5	55·0	54·9	54·9	53·9	53·9	53·9	52·5	53·2	55·1
	24	64·7	63·0	59·9	57·2	55·2	51·0	51·2	53·0	52·0	51·0	56·1	54·1
	25 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	61·0	59·9	59·0	59·1	58·2	58·1	57·0	54·4	54·5	54·0	55·0	55·2
	28	64·5	65·0	63·9	62·0	59·4	56·9	55·0	55·3	54·8	55·0	55·4	55·8
	29	60·6	59·1	58·2	59·2	58·9	58·6	58·7	58·0	57·1	57·4	57·7	58·0
	30	72·7	68·1	60·0	57·0	56·3	48·1	37·9	34·0	43·0	45·0	45·7	46·9
	31	53·8	50·4	50·9	51·0	51·9	51·0	48·5	50·9	53·9	53·9	53·2	52·9
Hourly Means <sup>d</sup>	60·19	59·05	56·47	55·46	54·24	52·31	50·68	49·59	49·96	50·38	51·88	51·73	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
DECEMBER.	1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	66·9	67·2	68·0	68·8	69·6	70·0	70·0	68·7	67·9	67·6	67·0	66·9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	66·6	67·2	67·9	68·5	69·0	69·0	69·0	67·7	67·1	67·1	67·2	67·2
	7	67·3	68·0	68·2	68·2	68·7	68·8	68·8	68·0	67·4	67·0	66·9	66·9
	8	67·1	67·2	67·7	67·5	68·0	68·1	68·0	67·6	66·9	66·7	66·6	66·1
	9	66·2	67·0	67·5	67·9	68·1	68·2	68·1	67·0	66·4	66·3	66·1	66·0
	10	65·9	66·6	67·1	67·8	68·0	68·2	68·0	66·9	66·7	66·6	66·3	65·9
	11	66·2	67·0	67·8	68·5	68·9	69·0	69·1	67·9	67·0	66·9	66·2	66·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	66·0	66·0	66·8	67·0	67·7	68·0	68·0	66·9	66·0	66·0	66·0	66·0
	14	66·8	67·1	67·7	67·9	68·0	68·1	68·0	67·5	66·9	66·7	66·5	66·0
	15	66·4	67·0	67·4	67·7	68·5	69·0	69·0	68·0	67·6	67·2	67·0	66·9
	16	—	—	67·9	67·9	—	—	67·9	67·1	66·4	66·2	66·0	66·0
	17	66·0	66·7	67·2	68·0	68·5	69·0	68·8	67·8	67·1	67·0	67·0	66·8
	18	66·0	—	66·8	67·5	68·4	68·2	67·8	66·8	66·1	66·0	66·0	65·9
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	65·1	66·0	66·9	68·1	67·8	68·2	67·9	66·9	66·4	66·0	66·0	65·9
	21	66·1	65·6	67·0	67·8	68·0	68·2	68·2	67·1	66·8	66·3	66·0	66·0
	22	66·0	66·3	66·9	67·0	67·1	67·3	67·2	66·5	66·3	66·2	66·2	66·0
	23	65·4	66·0	66·8	67·5	67·7	67·9	68·0	67·5	66·8	66·8	66·0	66·0
	24	66·2	66·8	67·1	67·5	68·0	68·1	68·0	67·1	66·6	66·1	66·0	66·0
	25 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	65·1	65·5	66·0	66·4	66·9	67·4	67·2	66·4	66·0	65·7	65·7	65·6
	28	65·7	66·0	66·7	66·8	67·0	67·0	67·2	66·6	66·0	66·0	66·0	65·6
	29	65·1	65·6	65·9	66·3	66·5	66·8	66·6	65·8	65·8	65·8	65·7	65·2
	30	65·2	65·3	66·0	66·8	67·0	67·4	67·2	67·0	66·7	66·3	66·1	65·9
	31	65·9	66·5	67·0	67·2	67·8	67·0	67·9	67·0	66·9	66·7	66·3	65·9
Hourly Means <sup>d</sup>	66·05	66·50	67·14	67·59	67·96	68·13	68·08	67·21	66·69	66·49	66·30	66·13	

<sup>a</sup> Magnetometer under adjustment, or employed in experiments of temperature.

<sup>b</sup> Temperature not recorded; omitted in the means.

<sup>c</sup> Christmas-day.

<sup>d</sup> Observations of the 3rd omitted in the means.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
Mean Göttingen Time.	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—
	3	41.0	42.0	43.0	45.1	—	44.0	46.0	46.6	46.5	48.2	50.0
	4	—	—	—	—	—	—	—	—	—	—	—
	5	49.3	50.2	51.0	51.5	53.0	53.8	54.7	54.8	55.2	56.2	58.7
	6	51.7	51.2	51.2	53.5	54.1	56.2	58.2	59.9	60.5	61.2	63.0
	7	52.8	52.8	51.5	51.8	54.4	55.6	56.2	56.9	56.8	58.0	59.0
	8	50.7	52.3	52.5	52.1	52.9	52.2	52.9	53.2	54.2	56.0	57.0
	9	51.0	51.4 <sup>b</sup>	50.9	51.6	51.4	52.7	54.4	56.8	56.2	58.9	61.0
	10	50.1	50.7	51.0	53.0	53.2 <sup>b</sup>	54.2	55.9	56.9	57.9	59.5	61.0
	11	—	—	—	—	—	—	—	—	—	—	—
	12	54.5	55.6	56.0	56.7	58.0	58.5	59.0	60.8	61.0	63.0	65.1
	13	55.0	56.0	56.9	56.0	56.8	57.0	58.0	59.0	59.4	61.0	61.0
	14	47.0	48.1	49.2	50.0	51.0	51.1	51.8	54.1	54.1	55.7	58.0
	15	49.3	50.2	50.4	50.0	50.2	50.5	51.0	51.8	51.8	54.6	57.0
	16	48.4	50.5	51.0	52.0	51.9	52.0	52.3	52.1	53.0	57.3	61.6
	17	51.6	51.1	51.9	51.1	51.9	53.0	52.8	53.9	55.0	57.1	60.0
	18	—	—	—	—	—	—	—	—	—	—	—
	19	51.6	54.4	54.0	52.8	53.1	53.8	54.4	55.0	56.2	58.6	59.2
	20	51.9	55.0	53.5	53.5	53.9	54.0	54.0	54.7	55.0	56.1	57.0
	21	54.5	55.0	56.0	56.3	57.0	57.8	58.0	59.1	60.1	61.4	63.5
	22	54.1	55.9	56.9	56.5	56.0	55.9	55.0	55.1	56.9	55.0	55.0
	23	59.9	58.1	60.9	60.0	59.1	60.3	61.2	62.0	61.6	63.2	64.4
	24	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—
	26	57.0	55.5	55.9	56.2	58.2	59.2	59.7	58.9	59.9	61.0	60.9
	27	55.3	55.8	56.3	56.3	56.3	57.0	57.1	57.0	59.2	61.0	63.0
	28	56.2	56.0	56.8	57.2	57.1	57.8	58.8	59.9	59.9	60.6	61.2
	29	58.8	58.9	59.1	63.3	65.9	67.7	69.0	67.0	66.6	68.5	70.0
	30	47.0	48.6	49.9	50.6	51.2	51.5	51.6	51.8	53.6	54.1	53.2
	31	53.4	54.3	55.2	57.2	57.0	56.9	57.9	58.8	58.5 <sup>b</sup>	59.5	58.8 <sup>b</sup>
Hourly Means	52.66	53.46	53.83	54.31	55.02	55.60	56.26	56.93	57.46	59.02	60.44	
TEMPERATURE OF THE BIPOLAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—
	3	67.1	66.9	66.9	66.7	—	—	66.1	—	66.1	66.0	66.0
	4	—	—	—	—	—	—	—	—	—	—	—
	5	66.0	66.0	66.0	65.6	65.7	—	65.8	—	65.7	65.7	66.1
	6	67.0	66.9	66.8	66.1	66.1	—	66.0	—	66.0	66.1	66.5
	7	66.9	66.7	66.7	66.7	66.5	—	66.3	—	66.1	66.2	66.8
	8	66.0	65.9	65.9	65.6	65.6	—	65.6	—	65.6	65.6	65.7
	9	65.9	—	65.3	64.9	64.9	—	65.0	—	64.9	65.0	65.1
	10	65.6	65.6	65.4	65.0	—	—	65.0	—	65.5	65.1	65.7
	11	—	—	—	—	—	—	—	—	—	—	—
	12	65.3	65.6	65.6	65.2	65.1	—	65.0	—	65.0	65.1	65.6
	13	65.9	65.9	65.8	65.6	65.7	—	65.5	—	65.4	65.6	66.0
	14	66.5	66.2	66.0	65.8	65.8	—	65.7	—	65.7	65.6	66.0
	15	66.6	66.5	66.2	66.0	66.0	—	66.0	—	65.0	65.9	66.1
	16	66.0	65.9	66.0	65.3	65.1	—	65.1	—	65.0	65.1	65.6
	17	66.4	66.2	66.0	66.0	65.9	—	65.9	—	66.0	65.8	65.8
	18	—	—	—	—	—	—	—	—	—	—	—
	19	64.7	64.7	64.7	64.1	64.1	—	64.0	—	64.0	64.0	64.3
	20	65.8	65.8	65.6	65.0	65.0	—	65.0	—	65.0	64.9	65.6
	21	65.8	65.5	65.4	65.2	65.1	—	65.2	—	65.1	65.1	65.3
	22	66.0	65.7	65.8	65.4	65.6	—	65.3	—	65.0	64.8	65.0
	23	65.8	65.7	65.4	65.0	65.3	—	65.0	—	64.9	64.9	65.7
	24	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—
	26	65.5	65.3	65.0	64.9	64.9	—	64.8	—	64.7	64.5	64.9
	27	65.4	65.4	65.1	65.0	65.0	—	65.0	—	65.0	65.0	65.1
	28	65.1	65.0	65.0	64.9	64.9	—	64.8	—	64.8	64.8	64.9
	29	65.0	65.0	64.9	64.9	64.9	—	64.9	—	64.9	64.7	65.0
	30	65.9	65.9	65.8	65.4	65.3	—	65.1	—	65.0	65.1	65.5
	31	65.9	65.8	65.4	65.0	65.1	—	65.1	—	—	65.0	—
Hourly Means	65.87	65.78	65.64	65.33	65.34	65.32	65.31	65.27	65.24	65.20	65.47	



MAGNETICAL OBSERVATIONS.													January 20th and 21st.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
49.5	49.9	50.6	52.1	53.0	53.9	50.9	49.5	49.4	50.1	50.9	51.0	51.0		
49.2	49.9	50.8	52.1	53.9	54.0	50.5	49.6	49.2	50.1	49.9	51.5	51.5		
49.1	50.0	51.0	52.1	53.9	54.0	50.6	49.9	49.2	50.1	49.8	51.2	51.6		
49.2	50.0	50.5	52.1	53.8	53.8	50.6	49.7	49.2	50.1	50.2	51.0	51.9		
49.0	50.0	50.9	42.1	53.9	53.4	50.2	49.8	49.9	50.1	51.0	50.9	52.0		
49.0	50.0	51.1	52.3	54.0	53.0	50.0	49.8	49.8	50.1	50.7	51.3	52.0		
49.2	50.0	51.2	52.4	54.1	52.8	49.9	49.9	49.9	50.1	50.7	51.1	51.9		
49.9	50.0	51.3	52.6	54.1	52.5	49.9	49.2	50.0	50.3	50.7	50.9	51.6		
49.9	50.1	51.6	52.9	54.1	52.1	50.0	49.2	49.9	50.5	51.1	50.2	51.8		
49.9	50.2	51.8	53.0	54.0	51.8	49.9	49.3	50.0	50.8	51.1	50.1	52.0		
49.9	50.2	51.7	53.0	54.0	51.4	49.6	49.2	50.0	50.9	51.7	50.0	52.0		
49.9	50.3	52.0	53.0	54.0	51.2	49.6	49.3	49.9	50.9	51.2	50.1	52.5		

HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah°. = .00018.	
20.8	21.0	22.6	24.1	24.9	24.4	23.3	22.0	21.8	20.0	18.2	16.1	13.9		
20.9	21.5	22.8	24.6	25.0	24.3	23.1	22.9	21.3	19.8	16.2	15.9	13.5		
20.9	22.0	23.1	24.9	25.2	23.8	23.3	22.3	21.9	19.0	16.9	14.8	14.2		
21.1	22.1	23.2	24.9	26.0	24.0	23.1	22.1	21.9	18.8	16.8	14.1	13.0		
21.1	22.1	24.0	25.0	25.4	23.8	23.0	22.0	21.1	18.8	17.1	12.6	13.1		
21.2	22.2	24.0	24.9	25.0	23.3	22.6	21.8	20.9	18.8	16.9	12.0	13.8		
65.6	65.3	65.7	66.0	66.9	67.7	68.0	68.2	68.5	68.8	68.7	68.0	67.9		

VERTICAL FORCE.												

Declination, and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.									
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Height of Clouds.	Extent of Cloudy Sky.	Weather.	
D.	H.	M.		Dry.	Wet.				
20	22	0	In.	°	°	Fect.	—	Haze; overcast.	
	23	0	28.278	63.0	60.6	2600	—	Clear.	
21		0	28.274	65.8	63.0	—	0.8	Clear.	
	0	0	28.272	67.3	62.0	—	0.4	Clear.	
	1	0	28.266	67.8	62.4	—	0.9	Cloudy.	
	2	0	28.253	67.7	62.0	—	—	Cloudy.	
	3	0	28.238	68.3	62.1	—	—	Cloudy.	
	4	0	28.221	67.7	62.4	—	—	Cloudy.	
	5	0	28.215	67.9	62.6	—	0.9	Fair.	
	6	0	28.211	65.7	62.0	2500	—	Fair.	
	7	0	28.220	64.3	60.1	—	0.7	Clear.	
	8	0	28.231	63.4	60.4	2600	0.9	Cloudy.	
	9	0	28.253	63.6	61.6	—	—	Overcast; dark.	

February 26th and 27th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = $0'.711$ .					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.
0	0		37.9	38.0	35.9	38.1	38.9	37.5	39.1	38.0	36.9	36.7	34.4
5	0		37.6	38.0	35.9	38.9	38.1	37.9	39.0	37.9	36.6	36.8	34.1
10	0		37.4	37.9	35.8	—	38.0	37.9	38.9	38.0	36.4	36.9	33.9
15	0		37.2	37.9	35.9	39.0	37.9	37.9	38.8	37.9	37.0	36.6	33.6
20	0		37.5	37.9	35.9	39.1	37.9	38.2	38.4	37.9	36.9	36.4	33.0
25	0		37.4	38.0	35.9	38.8	37.9	38.8	38.2	37.9	36.9	36.1	—
30	0		37.8	37.6	35.9	38.9	37.9	38.0	38.1	37.9	37.1	35.9	32.5
35	0		37.9	37.2	35.9	38.9	37.8	38.0	38.1	37.2	37.3	35.5	—
40	0		38.0	36.9	36.0	38.9	37.5	38.1	38.1	37.2	37.3	35.1	32.4
45	0		38.1	36.8	36.2	38.7	37.5	38.9	38.0	37.1	37.1	35.6	32.5
50	0		38.0	36.2	37.1	38.9	37.4	38.9	38.0	37.0	36.9	34.8	32.4
55	0		38.0	36.0	38.0	38.9	37.5	39.1	38.0	36.9	36.9	34.2	32.2
			One Scale Division = $.00020$ parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		62.8	61.8	58.9	66.2	62.1	61.5	66.5	62.1	62.1	62.8	64.0
12	30		62.1	61.0	58.8	65.9	62.5	62.0	64.9	62.6	62.0	62.3	64.4
22	30		62.2	60.6	58.8	64.1	61.5	62.6	63.8	62.7	62.1	62.0	64.1
32	30		62.8	60.4	58.8	63.1	61.3	63.2	63.0	62.8	62.3	62.4	64.2
42	30		62.8	59.1	61.8	62.1	61.0	65.2	62.9	62.6	62.7	63.2	64.3
52	30		62.7	59.0	65.8	62.1	61.2	65.9	62.1	62.2	62.7	63.6	64.5
Thermometer			69.2	69.2	69.1	69.1	69.0	69.0	68.9	68.9	69.0	68.9	68.7
VERTICAL FORCE.													
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
26	10	0	28.197	64.8	64.2	S. 34 E.	1700	1.0	Overcast; rain.				
	11	0	28.207	64.8	64.2	—	—	—	Overcast; dark.				
	12	0	28.211	64.6	63.9	S. 46 E.	—	1.0	Overcast; dark.				
	13	0	28.194	64.8	64.1	—	—	—	Overcast; dark.				
	14	0	28.173	64.8	63.1	S. 38 E.	—	1.0	Overcast; dark.				
	15	0	28.154	64.6	64.0	S. 57 E.	—	1.0	Overcast; dark, rain.				
	16	0	28.154	63.8	63.3	S. 58 E.	1600	1.0	Overcast.				
	17	0	28.158	63.7	62.9	—	—	—	Overcast; dark.				
	18	0	28.157	64.2	63.6	S. 55 E.	1600	1.0	Overcast; dark.				
	19	0	28.167	63.5	63.1	—	1600	—	Overcast; rain.				
	20	0	28.171	63.8	63.4	S. 35 E.	1600	1.0	Overcast; rain.				
	21	0	28.195	63.8	63.4	S. 32 E.	—	—	Overcast; wet mist.				





March 24th and 25th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.					DECLINATION.					
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	
0	0	35.1	35.4	35.4	37.3	36.2	36.0	35.2	34.1	34.8	32.4	
5	0	35.1	35.4	35.4	37.0	36.0	36.1	35.0	34.2	34.5	32.2	
10	0	35.0	35.3	35.1	37.0	36.0	36.0	35.0	34.1	34.2	32.1	
15	0	34.9	35.1	35.1	36.9	36.0	35.9	35.0	34.1	34.2	32.0	
20	0	34.9	35.0	35.0	36.9	35.8	55.5	35.0	34.1	34.3	32.1	
25	0	35.0	35.0	35.2	36.4	35.5	35.5	35.0	34.1	34.4	31.9	
30	0	35.2	35.0	35.9	36.2	35.5	35.8	34.9	34.1	34.4	31.8	
35	0	35.4	35.0	36.7	36.1	35.5	35.5	34.9	34.6	34.4	31.8	
40	0	35.5	35.3	37.1	36.1	35.4	35.2	34.9	34.8	34.6	31.9	
45	0	35.5	35.4	37.1	36.4	35.4	35.2	34.9	35.0	34.7	32.0	
50	0	35.5	35.5	37.0	36.6	35.5	35.2	34.9	35.1	34.8	32.0	
55	0	35.4	35.6	37.1	36.5	35.6	35.2	34.9	35.0	34.8	32.0	
M.		One Scale Division = .00018 parts of the H. F.					HORIZONTAL FORCE.					
		S.										
2	30	52.1	48.7	52.6	56.5	57.0	55.0	55.0	54.9	55.3	55.2	57.0
12	30	51.2	48.2	52.9	56.1	57.1	54.2	54.9	55.0	55.2	55.8	57.0
22	30	51.1	48.1	50.8	56.0	56.0	54.2	55.1	55.0	55.0	56.1	58.0
32	30	50.7	49.1	53.2	56.0	55.0	53.0	55.2	55.0	54.7	56.3	58.0
42	30	50.1	50.9	55.5	56.0	54.5	54.0	55.1	55.0	54.9	56.6	59.0
52	30	49.6	52.4	56.1	56.1	54.5	54.8	54.9	55.1	55.0	57.0	59.5
Thermometer		70.1	70.1	70.0	69.9	69.7	69.6	69.5	69.2	69.4	69.8	69.4
VERTICAL FORCE.												
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32s.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
24	10	0	28.266	65.0	63.1	S. 25 E.	—	0.8	Stars bright.			
	11	0	28.268	64.6	62.6	S. 25 E.	—	0.7	Clear; stars bright.			
	12	0	28.256	64.5	62.6	S. 20 E.	—	0.6	Light clouds passing; stars bright.			
	13	0	28.247	64.2	62.4	S. 19 E.	—	0.3	Passing clouds; stars bright.			
	14	0	28.235	64.4	62.8	S. 25 E.	—	0.9	Clouded; stars visible.			
	15	0	28.221	64.8	63.2	S. 10 E.	—	1.0	Overcast; dark.			
	16	0	28.207	64.3	61.7	S. 20 E.	—	1.0	Clouded; stars visible.			
	17	0	28.210	65.1	63.3	S. 25 E.	—	0.9	Nearly overcast; a few stars.			
	18	0	28.210	64.5	63.4	S. 30 E.	—	1.0	Overcast; dark.			
	19	0	28.229	64.4	61.8	S. 38 E.	2700+	1.0	Overcast.			
	20	0	28.253	64.6	60.6	S. 40 E.	—	0.9	Nearly overcast.			
	21	0	28.261	65.4	62.0	S. 32 E.	—	0.8	Fair, clear; cirro cumulo-strati.			



April 21st and 22nd. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.					DECLINATION.					
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	29.0	30.1	30.4	30.5	30.4	30.8	31.0	30.0	29.9	30.9	30.8
5	0	29.0	30.2	30.3	30.5	30.4	30.7	31.0	30.0	30.0	31.1	30.6
10	0	29.0	30.4	30.2	30.4	30.4	30.7	30.9	30.0	30.1	31.2	30.7
15	0	29.0	30.4	30.1	30.5	30.3	30.6	30.8	30.0	30.1	31.3	30.9
20	0	29.0	30.6	30.1	30.4	30.3	31.1	30.4	30.0	30.2	31.2	30.8
25	0	29.0	30.9	30.1	30.2	30.2	31.5	30.1	30.0	30.3	31.1	30.5
30	0	29.0	31.0	30.2	30.1	30.3	31.9	30.0	30.0	30.4	31.1	30.1
35	0	29.0	31.0	30.3	30.1	30.2	32.0	30.0	30.0	30.4	31.1	30.0
40	0	29.0	30.8	30.3	30.1	30.1	32.0	30.0	30.0	30.4	31.0	30.0
45	0	29.0	30.5	30.5	30.2	30.3	31.9	30.0	30.0	30.4	31.0	29.9
50	0	29.2	30.4	30.8	30.3	30.9	30.5	30.0	30.0	30.6	30.9	30.0
55	0	29.8	30.4	30.7	30.4	30.9	31.2	30.1	30.0	30.8	30.8	29.8
		One Scale Division = .00018 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.											
2	30	67.1	70.2	68.9	68.0	66.9	67.2	69.1	68.9	68.1	69.0	69.2
12	30	66.9	71.2	68.8	67.9	66.9	67.2	69.1	68.0	68.3	69.3	68.9
22	30	66.2	71.2	68.0	67.5	66.7	68.0	69.7	67.9	67.8	69.7	68.0
32	30	65.9	71.0	68.0	67.0	67.0	68.8	69.1	68.0	68.0	69.7	68.0
42	30	66.0	70.0	68.0	66.9	67.1	69.2	69.1	68.0	68.3	69.4	68.1
52	30	68.0	69.7	68.0	67.1	67.9	69.2	69.0	68.0	68.7	69.3	69.0
Thermometer		70.6	70.6	70.4	70.0	69.9	69.9	69.6	69.6	69.5	69.6	69.7
VERTICAL FORCE.												
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
21	10	0	28.224	64.8	63.8	S. 13 E.	—	1.0				
	11	0	28.228	64.6	63.6	S. 10 E.	—	0.5				
	12	0	28.224	64.8	63.8	S. 16 E.	—	1.0				
	13	0	28.220	64.6	63.7	S. 25 E.	—	1.0				
	14	0	28.202	64.4	63.6	S. 25 E.	—	1.0				
	15	0	28.192	64.6	63.8	S. 13 E.	—	1.0				
	16	0	28.181	64.7	64.1	S. 20 E.	—	1.0				
	17	0	28.179	64.7	64.0	S. 25 E.	—	1.0				
	18	0	28.177	64.8	64.1	S. 24 E.	—	—				
	19	0	28.193	64.8	63.7	S. 23 E.	2700	—				
	20	0	28.209	65.1	64.2	S. 20 E.	2700	0.9				
	21	0	28.229	66.3	65.6	S. 19 E.	2100	—				



May 28th and 29th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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		25.1	26.2	25.2	25.8	25.8	25.4	26.2	26.6	27.5	28.7	31.2
5	0		25.0	26.1	25.1	25.7	25.9	25.8	26.0	26.6	27.7	28.8	31.3
10	0		25.2	26.1	25.2	25.5	25.9	25.9	26.0	26.9	27.9	28.9	31.0
15	0		25.4	26.0	25.2	25.1	26.1	25.9	26.0	26.9	27.9	29.0	30.9
20	0		25.6	25.9	25.2	25.4	26.1	25.9	26.0	27.0	28.0	29.3	30.9
25	0		25.7	25.8	25.3	25.8	26.1	26.0	26.0	27.1	28.0	29.7	31.0
30	0		25.9	25.7	25.5	—	26.0	26.0	26.1	27.0	28.0	29.9	31.0
35	0		26.0	25.7	25.4	25.6	25.9	26.0	26.1	27.1	28.1	30.1	31.1
40	0		26.0	25.6	25.5	25.4	25.9	26.0	26.0	27.1	28.2	30.6	31.0
45	0		21.1	25.5	25.7	25.9	25.6	26.1	26.2	27.2	28.3	30.8	30.9
50	0		26.1	25.5	25.9	25.9	25.5	26.1	26.4	27.3	28.4	31.0	30.3
55	0		26.2	25.4	25.8	25.8	25.4	26.2	26.5	27.3	28.5	31.1	30.0
			One Scale Division = .00018 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		65.7	66.1	67.1	67.8	67.0	68.1	69.0	69.1	69.9	70.2	71.3
12	30		66.0	66.1	68.0	68.0	67.5	68.5	69.0	69.1	70.0	70.4	71.8
22	30		66.1	66.1	68.0	68.0	67.1	68.1	69.1	69.1	70.0	70.5	72.0
32	30		66.5	66.2	68.5	67.7	68.0	68.2	69.1	69.6	70.0	70.7	72.9
42	30		66.2	66.5	67.2	67.5	68.2	28.1	69.0	69.8	70.0	70.9	73.1
52	30		66.2	66.8	67.3	67.2	68.0	68.5	69.1	69.9	70.1	71.1	73.2
Thermometer			66.8	66.7	66.4	66.4	66.1	66.1	66.0	66.0	66.0	66.0	66.0
VERTICAL FORCE.													
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
28	10	0	28.326	61.4	57.7	S. 51 E.	—	0.9	Cloudy; moon visible.				
	11	0	28.318	61.3	57.7	S. 52 E.	—	0.9	Cloudy; moon visible.				
	12	0	28.310	61.4	58.1	S. 49 E.	—	—	Nearly overcast.				
	13	0	28.305	61.3	58.6	—	—	—	Wind in gusts; dark, overcast.				
	14	0	28.290	61.4	58.7	S. 55 E.	2700 +	0.8	Cloudy, stars visible.				
	15	0	28.285	61.4	58.5	S. 50 E.	—	1.0	Overcast.				
	16	0	28.285	60.3	57.6	S. 46 E.	—	0.9	Nearly overcast; a few stars.				
	17	0	28.282	60.6	59.2	S. 40 E.	—	0.9	Nearly overcast.				
	18	0	28.283	60.0	58.4	S. 45 E.	—	1.0	Overcast.				
	19	0	28.293	60.0	57.6	S. 40 E.	—	1.0	Overcast.				
	20	0	28.312	61.0	58.0	S. 40 E.	2700 +	1.0	Overcast.				
	21	0	28.331	61.5	57.2	S. 45 E.	2700 +	—	Sunshine.				





MAGNETICAL OBSERVATIONS.													June 23rd and 24th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
30.5	28.4	26.0	26.9	25.9	24.6	26.9	27.0	25.4	24.0	24.4	25.2	25.1		
30.5	28.1	26.0	26.8	25.9	24.7	27.0	26.9	25.1	24.0	24.4	25.1	25.1		
30.0	28.2	26.1	26.7	25.9	24.6	27.1	26.8	25.0	24.0	24.6	25.0	25.1		
29.7	28.4	26.8	26.5	25.9	24.8	27.2	26.9	24.9	24.0	24.8	25.0	25.1		
29.9	28.0	26.9	25.2	25.9	24.9	27.2	26.9	24.8	24.0	24.9	25.0	25.1		
29.7	27.9	26.9	26.0	25.9	24.9	27.2	26.8	24.2	24.1	24.9	25.1	25.2		
29.2	28.0	26.4	26.0	25.4	24.9	27.2	26.3	24.0	24.1	24.9	25.1	25.2		
29.1	27.6	26.4	26.1	25.2	25.2	27.2	26.0	24.0	24.2	25.0	25.1	25.3		
29.0	27.0	26.9	26.1	25.1	25.6	27.2	25.9	24.0	24.3	25.1	25.2	25.3		
28.9	27.1	27.0	26.1	25.0	26.0	27.1	25.8	24.0	24.3	25.1	25.2	25.3		
28.5	27.0	27.1	26.0	24.9	26.3	27.0	25.9	24.0	24.3	25.1	25.2	25.3		
28.4	26.9	27.0	26.0	25.0	26.7	27.0	25.1	24.0	24.4	25.2	25.1	25.4		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. = .00028.								
78.0	80.8	82.5	85.6	84.9	82.2	80.3	79.1	78.3	76.9	75.8	75.1	75.1		
78.5	81.3	82.3	85.1	84.8	82.0	80.1	79.0	78.0	76.2	75.2	75.0	75.1		
79.2	82.1	83.0	85.2	84.1	81.9	80.0	78.9	78.0	76.2	75.1	75.1	75.1		
79.7	82.9	83.9	85.9	83.8	81.0	79.9	78.9	77.8	76.7	75.0	75.0	75.6		
80.4	83.0	84.9	86.0	83.9	80.7	79.4	79.0	77.1	76.1	75.0	75.0	75.8		
80.6	83.0	85.1	85.1	82.4	80.6	79.5	78.9	77.2	75.9	75.1	75.1	75.9		
62.2	62.0	62.0	62.0	62.1	62.7	62.9	63.1	63.1	63.0	63.0	62.9	62.9		
VERTICAL FORCE.														
Declination and increasing Horizontal Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
D.	H.	M.		Dry.	Wet.	Direction.								
			In.	°	°	°	Feet.							
23	22	0	28.345	59.0	56.7	S. 50 E.	1600	1.0	Wind in gusts; rain.					
	23	0	28.349	59.8	58.5	S. 41 E.	2600	1.0	Overcast; thick.					
24	0	0	28.341	58.7	57.1	S. 48 E.	2700+	1.0	Overcast; dull.					
	1	0	28.331	60.8	57.6	S. 49 E.	2700+	1.0	Overcast.					
	2	0	28.316	60.5	58.8	S. 50 E.	1600	1.0	Overcast; rain.					
	3	0	28.300	61.6	59.2	S. 47 E.	2000	—	Thick mist.					
	4	0	28.298	61.0	57.7	S. 46 E.	2600	0.9	Dull.					
	5	0	28.300	59.7	57.9	—	—	—	Clear and fair; heavy rain at 5 <sup>h</sup> 30 <sup>m</sup> .					
	6	0	28.300	58.4	57.1	S. 44 E.	2600	1.0	Overcast; thick.					
	7	0	28.302	58.6	57.4	S. 53 E.	1600	1.0	Overcast; haze.					
	8	0	28.309	57.6	55.9	S. 33 E.	—	0.9	Moon and a few stars visible at intervals.					
	9	0	28.307	58.0	55.8	S. 33 E.	2700+	1.0	Overcast; moon at intervals.					











September 22nd and 23rd. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711. DECLINATION.										
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	25.2	24.6	24.5	24.3	24.1	24.7	25.0	25.0	25.0	26.6	25.7
5	0	25.1	24.5	24.4	24.2	24.1	24.8	24.9	25.0	25.0	27.0	25.2
10	0	25.1	24.5	24.2	24.2	24.1	24.9	24.9	25.0	25.0	26.6	25.2
15	0	25.0	24.5	24.3	24.1	24.1	24.9	25.0	25.0	25.9	26.6	25.1
20	0	24.9	24.5	24.5	24.3	24.1	24.6	25.0	25.0	25.9	26.7	25.0
25	0	24.9	24.6	24.6	24.1	24.1	24.5	24.9	25.1	25.9	26.5	24.9
30	0	24.9	24.7	24.5	24.1	24.3	24.6	24.6	25.2	25.9	26.3	24.9
35	0	24.8	24.5	24.6	24.2	24.3	24.8	24.8	25.4	26.0	26.2	24.7
40	0	24.7	24.6	24.5	24.2	24.3	24.8	24.7	25.2	26.4	26.1	24.6
45	0	24.7	24.6	24.3	24.1	24.3	24.9	25.0	25.0	26.5	26.0	24.7
50	0	24.6	24.7	24.6	24.1	24.3	24.9	25.0	24.9	26.6	26.0	24.6
55	0	24.6	24.8	24.7	24.1	24.5	24.9	25.0	24.9	26.8	25.9	24.7
One Scale Division = .00018 parts of the H. F. HORIZONTAL FORCE.												
M.	S.											
2	30	58.1	56.0	56.9	56.9	58.1	58.5	58.1	58.0	58.1	58.9	59.9
12	30	57.8	56.1	56.9	56.9	58.1	58.4	58.0	58.1	58.1	59.0	60.0
22	30	57.2	56.1	57.0	57.5	58.1	58.1	58.0	58.1	58.1	59.0	60.2
32	30	56.8	56.1	57.1	57.5	58.1	58.1	58.0	58.0	58.1	59.0	60.1
42	30	56.4	56.2	57.0	57.8	58.1	58.0	58.0	58.0	58.7	59.2	60.7
52	30	56.0	56.9	57.0	58.0	58.4	58.0	58.0	58.0	58.9	59.6	61.1
Thermometer		61.0	61.0	61.0	61.1	61.0	61.0	60.8	60.8	60.7	60.2	60.2
VERTICAL FORCE.												
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
22	10	0	28.379	56.9	55.5	S. 48 E.	—	0.9	Moonlight; a few stars.			
	11	0	28.383	56.8	55.3	S. 44 E.	—	1.0	Overcast.			
	12	0	28.383	56.8	55.5	S. 40 E.	—	1.0	Overcast.			
	13	0	28.377	56.1	54.8	S. 45 E.	—	—	Overcast; dark.			
	14	0	28.356	56.1	55.0	S. 52 E.	1700	1.0	Overcast; rain.			
	15	0	28.347	55.9	54.2	S. 43 E.	—	1.0	Overcast; dark.			
	16	0	28.333	55.6	53.0	S. 42 E.	2700+	0.7	Starlight; fair.			
	17	0	28.327	55.5	53.5	S. 42 E.	—	1.0	Overcast; dark.			
	18	0	28.340	55.2	52.3	S. 40 E.	2700+	0.8	Fair; a few stars visible.			
	19	0	28.344	55.0	53.9	S. 38 E.	2400	1.0	Overcast; rain.			
	20	0	28.354	55.0	54.0	S. 42 E.	2400	—	Overcast.			
	21	0	28.380	56.2	55.4	S. 46 E.	2200	—	Showery.			



October 20th and 21st.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.				
			10 <sup>h</sup>	11 <sup>h</sup>	12 <sup>h</sup>	13 <sup>h</sup>	14 <sup>h</sup>	15 <sup>h</sup>	16 <sup>h</sup>	17 <sup>h</sup>	18 <sup>h</sup>	19 <sup>h</sup>
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	20.4	20.9	20.8	20.0	19.5	19.9	21.0	20.3	19.8	22.8	20.9	
5 0	20.7	20.9	20.6	20.0	19.5	19.8	20.9	20.3	19.3	23.0	20.6	
10 0	20.8	20.8	20.8	19.9	19.8	19.9	20.9	20.3	18.9	23.0	20.6	
15 0	20.8	20.6	20.8	19.9	19.8	19.9	20.9	20.1	18.5	23.0	20.7	
20 0	20.8	20.4	20.8	19.9	19.9	19.9	20.0	20.2	19.5	22.3	20.7	
25 0	20.9	20.3	20.7	19.9	20.0	20.0	20.0	20.0	19.9	22.0	20.5	
30 0	20.9	20.2	20.5	19.4	20.4	20.2	19.9	20.0	20.3	22.0	20.3	
35 0	20.9	20.2	20.2	19.4	20.1	20.5	19.9	20.0	21.1	22.0	20.0	
40 0	20.9	20.2	20.1	19.4	20.0	20.9	19.9	20.1	22.5	22.0	19.9	
45 0	20.9	20.3	20.1	19.6	20.0	21.0	20.0	20.0	23.9	22.0	19.3	
50 0	20.9	20.3	20.0	19.7	19.9	21.0	20.0	20.0	24.1	21.1	19.1	
55 0	20.9	20.3	20.0	19.5	19.9	21.0	20.2	19.9	24.0	21.0	19.0	
			One Scale Division = .00019 parts of the H.F.					HORIZONTAL FORCE.				
M. S.												
2 30	54.8	54.3	56.1	55.4	53.5	61.0	61.8	60.9	54.0	56.5	55.7	
12 30	54.8	54.0	56.9	54.9	53.5	61.0	61.5	59.2	51.7	57.9	55.0	
22 30	54.9	53.5	57.7	54.9	55.8	61.1	61.1	58.1	50.9	58.0	55.0	
32 30	54.9	53.0	57.1	54.3	59.0	61.2	61.1	57.0	52.0	56.9	55.3	
42 30	54.9	52.9	56.9	54.1	60.9	62.3	61.2	56.0	54.9	56.0	55.6	
52 30	54.8	54.0	56.1	53.9	61.2	62.1	61.0	54.9	55.0	55.0	57.0	
Thermometer	61.9	61.8	61.7	61.5	61.2	61.0	61.0	60.9	61.0	61.3	61.3	
			VERTICAL FORCE.									
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
20	10	0	28.256	57.1	55.6	S. 36 E.	—	0.9	Moon and stars at intervals.			
	11	0	28.259	57.5	56.7	S. 46 E.	—	1.0	Overcast.			
	12	0	28.249	57.2	55.8	S. 46 E.	—	1.0	Overcast.			
	13	0	28.229	57.2	56.2	S. 48 E.	—	1.0	Overcast; dark.			
	14	0	28.207	56.9	55.3	S. 49 E.	—	1.0	Overcast.			
	15	0	28.202	57.0	55.7	S. 42 E.	—	1.0	Overcast.			
	16	0	28.200	56.9	56.0	S. 52 E.	—	1.0	Overcast.			
	17	0	28.205	56.8	56.0	S. 50 E.	—	1.0	Overcast; dark.			
	18	0	28.206	56.8	55.8	S. 48 E.	1900	1.0	Overcast.			
	19	0	28.237	56.8	56.1	S. 45 E.	1800	1.0	Overcast; mist.			
	20	0	28.251	57.4	56.1	S. 53 E.	2400	1.0	Overcast.			
	21	0	28.264	58.8	56.8	S. 50 E.	2700+	1.0	Overcast.			





November 26th and 27th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711. DECLINATION.										
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	19.0	19.9	19.7	19.2	19.1	19.5	18.9	18.6	18.0	17.7	16.3
5	0	19.1	19.9	19.6	19.1	19.1	19.6	18.9	18.1	18.0	17.5	16.2
10	0	19.0	19.9	19.4	19.1	19.2	19.5	18.9	18.1	18.1	17.3	16.1
15	0	19.0	19.9	19.4	19.1	19.2	19.6	19.0	18.0	18.1	17.1	16.1
20	0	19.1	19.9	19.4	19.1	19.2	19.7	19.0	18.0	18.4	17.0	16.2
25	0	19.1	19.9	19.3	19.1	19.2	19.2	19.0	18.0	18.2	17.0	16.2
30	0	19.2	19.9	19.4	19.2	19.1	19.1	19.0	18.0	18.2	17.0	16.3
35	0	19.2	19.9	19.7	19.2	19.1	19.0	19.0	18.0	18.1	16.7	16.4
40	0	19.4	19.9	19.6	19.2	19.1	19.0	19.0	18.0	18.1	16.8	16.5
45	0	19.6	19.9	19.2	19.1	19.1	18.9	19.0	18.0	18.1	16.8	16.8
50	0	19.8	19.9	19.1	19.1	19.6	18.9	19.0	17.9	18.0	16.3	16.9
55	0	19.8	19.8	19.1	19.1	19.6	18.9	19.0	18.0	17.9	16.3	17.0
M. S.		One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.										
		43.9	44.9	45.0	45.9	46.9	47.5	47.9	47.7	47.1	48.1	49.9
2	30	44.0	44.9	45.3	45.3	47.1	47.2	48.0	47.2	47.9	48.6	50.1
22	30	44.0	44.9	46.0	46.0	48.4	47.1	47.9	47.1	48.0	48.7	50.2
32	30	44.2	45.0	45.9	—	47.8	47.1	48.0	47.1	48.0	48.9	50.6
42	30	44.4	45.1	45.9	46.0	47.5	47.1	48.0	47.0	48.0	49.0	51.0
52	30	44.8	44.9	45.9	46.1	47.3	47.7	48.0	47.0	48.0	49.7	51.2
Thermometer		66.4	66.2	66.1	66.1	66.0	66.0	66.0	65.9	65.9	65.9	65.9
M. S.		One Scale of Division = .00046 parts of the V. F. VERTICAL FORCE.										
		52.8	53.2	53.4	53.3	53.2	53.3	53.6	53.5	53.0	54.6	53.1
7	30	53.1	53.1	53.5	53.3	53.3	53.9	53.6	53.3	53.0	54.6	53.1
27	30	53.1	53.4	53.6	53.5	53.3	53.6	53.8	53.3	53.0	54.5	52.9
37	30	53.1	53.4	53.7	53.5	53.3	53.6	53.8	53.5	53.0	53.9	52.9
47	30	53.2	53.4	53.4	53.3	53.3	53.6	53.2	53.2	54.6	53.6	53.2
57	30	53.2	53.4	53.4	53.4	53.3	53.6	53.5	53.0	54.1	53.1	53.1
Thermometer		66.0	65.8	65.6	65.4	65.3	65.2	65.1	65.1	65.1	65.0	65.0
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Direction.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.							
D.	H.	M.	In.	°	°	°	Feet.					
26	10	0	28.170	61.3	59.2	S. 44 E.	2700 +	1.0	Overcast.			
	11	0	28.178	61.1	58.6	S. 38 E.	2700 +	1.0	Overcast.			
	12	0	28.184	61.0	58.2	S. 40 E.	2700 +	1.0	Overcast.			
	13	0	28.176	61.1	58.4	S. 40 E.	2700 +	1.0	Fair.			
	14	0	28.168	61.0	58.9	S. 40 E.	2700	1.0	Overcast.			
	15	0	28.164	60.7	58.4	S. 39 E.	2700 +	1.0	Overcast.			
	16	0	28.171	60.5	58.2	S. 40 E.	2700 +	1.0	Overcast.			
	17	0	28.179	60.5	58.1	S. 40 E.	—	1.0	Overcast; dark.			
	18	0	28.189	60.4	57.6	S. 40 E.	2700 +	1.0	Fair.			
	19	0	28.211	60.9	58.0	S. 38 E.	2700 +	1.0	Fair; slightly overcast.			
	20	0	28.235	61.7	59.2	S. 39 E.	2400	1.0	Overcast; dull.			
	21	0	28.257	62.8	59.4	S. 39 E.	2700 +	1.0	Overcast; dull.			

MAGNETICAL OBSERVATIONS.													November 26th and 27th.	
DECLINATION.											Angular Value of one Scale Division = 0.711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
17.1	17.8	19.2	21.0	22.0	22.0	21.4	19.0	18.1	18.8	18.6	19.4	19.1		
17.2	17.9	19.8	21.0	22.0	22.0	21.2	18.9	18.1	18.6	18.7	19.5	19.8		
17.2	17.9	19.9	21.1	22.0	22.1	21.0	18.8	18.2	18.5	18.8	19.3	19.5		
17.2	18.0	20.0	21.6	22.0	22.0	21.0	18.8	18.2	18.7	18.9	19.1	19.5		
17.3	18.0	20.0	21.9	22.0	22.0	21.0	18.8	18.2	18.1	18.9	19.1	19.8		
17.4	18.1	20.0	21.9	22.0	22.0	20.8	18.8	18.3	18.1	18.9	19.1	19.8		
17.6	18.1	20.1	22.0	22.1	20.0	20.6	18.8	18.5	18.1	19.0	19.1	19.9		
17.7	18.6	20.2	22.0	22.1	20.0	20.2	18.6	18.6	18.1	19.1	19.1	19.9		
17.7	18.7	20.3	22.1	21.1	21.9	20.1	18.4	18.7	18.7	19.1	19.1	19.7		
17.8	18.8	20.6	22.1	21.0	21.7	19.9	18.3	18.8	18.7	19.3	19.1	19.7		
17.8	18.9	20.7	22.1	21.0	21.7	19.3	18.2	18.8	18.7	19.4	19.1	19.9		
17.8	19.0	20.9	22.1	22.1	21.6	19.0	18.2	18.8	18.6	19.4	19.1	19.9		
HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = .00028.	
51.3	52.3	51.0	50.7	48.0	47.1	46.0	45.0	43.1	43.2	43.8	43.9	43.1		
51.6	52.0	51.3	50.1	48.0	47.1	46.0	44.6	43.1	43.5	43.9	43.1	43.0		
52.0	52.7	51.0	49.9	48.0	47.1	46.0	44.3	43.0	43.8	43.8	43.1	43.0		
52.1	52.3	51.0	49.1	48.0	47.0	46.0	44.0	43.0	43.8	43.9	43.1	43.0		
52.2	52.0	51.0	49.0	48.0	46.7	45.9	43.9	42.9	43.7	44.0	43.0	43.0		
52.2	51.4	51.0	48.5	47.9	46.2	45.4	43.4	43.2	43.5	44.0	43.1	43.1		
65.9	—	66.1	66.7	67.1	68.4	69.4	70.2	70.2	70.0	69.2	69.0	68.4		
VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = .0001 app.	
53.1	53.0	53.9	53.7	54.0	55.1	55.4	56.1	56.9	56.0	vibrating	vibrating	53.8		
53.4	54.4	53.4	53.9	53.9	55.1	55.4	56.6	56.9	56.0	56.1	vibrating	53.3		
53.4	53.8	53.4	53.9	53.9	55.5	55.7	56.7	56.7	56.0	55.9	vibrating	53.1		
53.4	53.9	53.4	53.9	54.3	55.5	55.9	56.7	56.5	55.6	55.9	vibrating	52.5		
53.4	53.9	53.4	53.9	54.5	55.0	56.2	56.7	56.5	vibrating	55.9	vibrating	53.0		
53.4	53.9	53.7	54.0	54.9	55.4	56.4	56.8	56.3	57.3	55.9	53.7	53.3		
65.1	—	65.4	66.0	66.5	67.5	68.4	69.0	69.7	69.3	68.6	68.4	68.1		
Declination and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
D.	H.	M.		Dry.	Wet.	Direction.								
26	22	0	28.262	63.6	60.2	S. 39 E.	2700 +	1.0	Overcast; dull.					
	23	0	28.260	64.9	60.5	S. 38 E.	2700 +	1.0	Overcast; fair.					
27	0	0	28.245	67.6	61.4	S. 40 E.	2700 +	0.9	Clear; fair, sun.					
	1	0	28.232	70.2	64.2	S. 44 E.	2700 +	1.0	Clear; fair, sun.					
	2	0	28.209	70.5	64.7	S. 51 E.	2700 +	0.9	Fair, sun; cumuli.					
	3	0	28.196	70.5	66.8	S. 45 E.	2700 +	0.7	Fair, sun; cumuli.					
	4	0	28.182	67.7	64.9	S. 29 E.	2600	1.0	Overcast.					
	5	0	28.170	65.9	63.5	S. 20 E.	2700	1.0	Overcast.					
	6	0	28.172	64.2	62.2	S. 22 E.	2600	1.0	Overcast.					
	7	0	28.189	63.2	61.3	S. 28 E.	1900	1.0	Overcast.					
	8	0	28.209	62.5	60.5	S. 36 E.	1900	1.0	Overcast.					
	9	0	28.221	62.3	60.8	S. 48 E.	1900	1.0	Overcast.					

December 22nd and 23rd.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	19.6	19.0	18.9	18.9	18.0	17.4	17.8	18.0	18.0	18.5	17.9	17.9	
5 0	19.3	19.0	18.8	18.2	18.0	17.4	17.9	18.0	18.0	18.8	17.8	17.8	
10 0	19.0	19.1	18.9	18.0	18.0	17.3	18.0	18.0	19.2	18.8	17.9	17.9	
15 0	18.8	19.4	18.9	18.0	18.0	17.3	18.0	18.3	19.2	18.8	18.0	18.0	
20 0	18.8	19.4	18.9	17.9	18.0	17.2	18.1	18.1	19.7	18.1	18.0	18.0	
25 0	18.2	19.2	18.9	17.9	17.9	17.2	18.1	18.1	18.0	17.9	17.9	18.4	
30 0	18.1	19.1	18.9	17.9	17.9	17.1	18.0	18.0	17.9	17.8	17.8	17.0	
35 0	18.0	19.2	18.8	18.0	17.4	17.1	17.9	18.0	17.8	17.9	16.5	16.5	
40 0	18.1	19.0	18.9	18.0	17.4	17.1	17.9	18.0	17.8	17.9	16.0	16.0	
45 0	18.3	18.9	19.0	18.0	17.4	17.1	17.9	18.0	18.0	17.8	15.8	15.8	
50 0	18.8	18.8	19.0	18.0	17.4	17.5	17.9	18.0	18.0	17.9	15.7	15.7	
55 0	19.0	18.8	19.0	18.0	17.4	17.5	18.0	18.0	17.9	17.9	15.8	15.8	
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
			52.3	50.9	54.4	55.0	54.1	55.9	56.9	56.1	56.5	56.0	55.0
2 30	50.4	51.0	55.1	54.9	55.0	56.0	57.0	56.1	56.2	55.8	55.0	55.0	
12 30	50.0	52.0	55.1	54.1	55.2	56.1	57.1	56.9	56.2	55.7	55.0	55.0	
22 30	49.2	53.2	54.6	54.0	55.5	56.4	57.0	56.1	57.0	55.9	55.1	55.1	
32 30	49.9	53.6	55.7	53.9	55.8	56.4	56.9	56.9	56.8	55.1	55.7	55.7	
42 30	50.9	53.9	55.7	54.0	55.9	56.8	56.9	56.9	56.2	54.9	56.6	56.6	
52 30													
Thermometer			66.3	66.2	66.2	66.0	66.0	65.7	65.8	65.5	65.4	65.6	65.3
M. S.			One Scale Division = .00047 parts of the V. F.					VERTICAL FORCE.					
			47.3	47.7	48.2	48.7	49.2	48.5	48.4	48.2	47.6	47.6	48.1
7 30	47.3	47.5	vibrating	48.7	48.8	48.5	48.4	48.3	46.8	47.6	48.1	48.1	
17 30	47.3	47.7	48.9	—	48.8	48.5	48.4	47.8	47.7	47.3	46.9	46.9	
27 30	47.3	47.6	48.8	48.6	48.8	48.5	48.1	47.7	47.8	47.7	45.8	45.8	
37 30	47.5	48.0	48.7	48.6	48.8	48.4	48.0	47.7	47.7	47.7	45.8	45.8	
47 30	47.5	48.2	48.7	48.6	48.5	48.4	48.3	47.7	47.6	47.9	45.7	45.7	
57 30													
Thermometer			65.8	65.7	65.8	65.4	65.3	65.0	65.1	65.0	65.0	64.9	64.8
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D. H. M.	Inch.	°	°	°	Feet.								
22 10 0	28.220	61.4	59.6	S. 15 E.	2700 +	1.0	Overcast.						
11 0	28.222	61.8	59.0	S. 12 E.	2700 +	1.0	Overcast.						
12 0	28.220	61.2	58.2	S. 18 E.	2700 +	1.0	Overcast.						
13 0	28.206	61.2	57.6	S. 25 E.	2700 +	1.0	Dark; overcast.						
14 0	28.186	61.3	59.1	S. 25 E.	—	1.0	Dark; overcast.						
15 0	28.175	60.6	58.2	S. 16 E.	—	1.0	Dark; overcast.						
16 0	28.171	60.5	56.7	S. 20 E.	2700 +	1.0	Overcast.						
17 0	28.179	61.3	58.3	S. 21 E.	—	1.0	Overcast; drizzling rain.						
18 0	28.196	60.7	57.2	S. 17 E.	2700 +	1.0	Overcast; fair.						
19 0	28.209	61.2	57.2	S. 14 E.	2700 +	1.0	Overcast; fair.						
20 0	28.239	61.2	58.4	S. 18 E.	1800	1.0	Overcast; rain.						
21 0	28.243	60.8	59.3	S. 20 E.	2000	1.0	Overcast; showery.						

MAGNETICAL OBSERVATIONS.													December 22nd and 23rd.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
15.9	— <sup>a</sup>	17.4	20.0	18.1	17.2	17.0	17.9	16.1	16.9	17.9	19.0	19.9		
15.0	—	17.7	20.0	18.3	17.2	17.1	17.6	16.4	17.0	18.0	19.1	19.9		
15.2	—	17.8	20.0	18.1	17.2	17.1	17.5	16.1	17.0	18.0	19.2	19.9		
15.2	—	17.9	19.5	18.1	17.1	17.2	17.4	16.0	17.1	18.0	19.4	20.0		
15.6	—	18.0	19.1	18.2	17.0	17.3	17.1	16.3	17.1	18.0	19.6	20.0		
16.1	16.9	18.0	19.0	18.2	17.0	17.7	17.1	16.3	17.2	18.1	19.7	20.0		
17.9	17.4	18.2	18.9	18.1	17.0	17.9	17.0	16.5	17.7	18.1	19.8	20.1		
17.9	17.2	18.4	18.9	18.1	17.0	18.0	17.0	16.8	17.9	18.1	19.8	20.1		
17.6	17.1	18.8	18.5	18.0	17.0	18.0	16.9	16.7	17.8	18.5	19.9	20.0		
17.2	17.0	19.0	18.1	17.9	17.0	18.0	16.6	16.7	17.9	18.8	19.9	20.0		
17.2	17.4	19.7	18.1	17.9	17.0	18.0	16.2	16.9	17.9	18.9	19.9	20.0		
17.1	17.4	19.9	18.1	17.8	17.0	17.9	16.1	16.9	18.0	18.9	19.9	20.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. = .00028.								
56.9	55.0	55.0	54.9	54.7	55.5	55.0	54.9	54.9	53.9	53.3	53.9	54.5		
57.1	55.0	54.8	55.1	54.9	55.9	55.1	55.0	54.9	53.9	53.3	54.0	54.9		
57.0	55.0	54.8	54.9	55.1	55.8	55.0	54.9	54.8	53.8	53.0	54.0	54.7		
56.9	56.0	54.9	54.9	55.2	55.8	54.9	54.3	54.7	53.9	53.2	54.0	54.5		
56.1	55.1	54.8	54.9	55.4	55.2	54.7	54.8	54.0	53.5	53.7	54.0	54.2		
55.8	55.8	54.9	54.6	55.8	55.0	54.9	54.8	54.0	53.4	53.8	54.1	54.0		
65.0	64.8	65.0	65.4	66.0	66.8	67.5	67.7	67.9	68.0	68.0	67.5	67.0		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. = .0002 app.								
45.7	40.0	39.9	45.3	39.8	45.7	45.8	46.7	45.2	46.3	46.0	45.3	45.3		
45.5	45.1	40.0	45.1	39.8	45.7	45.5	vibrating	45.1	46.3	46.0	39.5	39.7		
45.4	45.4	40.0	45.1	45.2	45.8	45.6	45.5	45.1	46.3	46.0	39.6	39.7		
45.5	45.4	40.0	39.7	45.2	45.8	45.6	45.5	45.1	46.3	45.6	39.9	39.4		
45.6	45.4	45.3	39.8	45.7	45.8	45.8	45.5	45.5	46.3	45.4	39.8	39.1		
45.5	39.9	45.4	39.5	45.3	45.8	46.0	45.5	45.6	46.3	45.4	39.7	39.5		
64.5	64.4	64.6	65.1	65.5	—	66.6	67.1	67.2	67.4	67.4	67.0	66.5		
Declination and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.	°	°		Feet.							
22	22	0	28.241	62.0	59.6	S. 28 E.	2700 +	1.0	Overcast.					
23	0	0	28.247	64.5	59.1	S. 33 E.	2700 +	1.0	Fair.					
23	0	0	28.252	65.8	59.6	S. 23 E.	2700 +	1.0	Overcast; dull.					
	1	0	28.246	65.4	59.3	S. 22 E.	2700 +	1.0	Fair; overcast.					
	2	0	28.236	68.2	61.0	S. 12 E.	—	1.0	Calm, overcast.					
	3	0	28.217	67.6	61.1	S. 14 E.	2700 +	1.0	Overcast; fair.					
	4	0	28.201	66.1	59.6	S. 30 E.	2000	1.0	Overcast.					
	5	0	28.198	67.3	60.5	S. 50 E.	2700 +	0.9	Fair, sun.					
	6	0	28.195	65.8	61.0	S. 41 E.	2700 +	0.8	Fair, sun; cumulo-strati.					
	7	0	28.205	63.2	59.6	S. 28 E.	2700 +	0.9	Fair; cumuli.					
	8	0	28.219	62.0	58.8	S. 43 E.	2700 +	1.0	Overcast.					
	9	0	28.236	62.0	59.4	S. 36 E.	2600	0.8	Fair.					

<sup>a</sup> The magnet was found to be resting on the copper ring.

Q



ST. HELENA, 1841.

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METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JANUARY.	1	·246	·226	·192	·185	·207	·228	·242	·204	·186	·198	·235	·246	·2162
	2	·242	·225	·201	·189	·213	·240	·243	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	·237	·205	·221	·249	·277	·2285
	4	·261	·232	·208	·203	·219	·248	·271	·232	·201	·206	·242	·263	·2322
	5	·266	·246	·222	·208	·224	·252	·276	·262	·223	·248	·279	·287	·2494
	6	·294	·270	·238	·226	·236	·277	·282	·249	·224	·237	·269	·289	·2576
	7	·287	·271	·238	·231	·262	·289	·282	·263	·236	·243	·286	·299	·2656
	8	·298	·281	·241	·234	·249	·292	·294	·273	·243	·248	·277	·294	·2687
	9	·289	·265	·242	·237	·259	·282	·292	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	·261	·241	·247	·273	·283	·2642
	11	·274	·264	·220	·217	·253	·278	·270	·231	·202	·215	·243	·261	·2440
	12	·252	·225	·194	·182	·202	·224	·232	·193	·183	·179	·204	·229	·2082
	13	·228	·206	·187	·171	·188	·216	·225	·190	·168	·185	·215	·231	·2008
	14	·215	·195	·167	·167	·176	·208	·212	·175	·163	·185	·219	·244	·1938
	15	·232	·221	·182	·171	·182	·222	·232	·194	·171	·187	·226	·242	·2052
	16	·226	·210	·187	·185	·205	·240	·252	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	·215	·199	·215	·246	·269	·2207
	18	·262	·231	·204	·207	·220	·244	·237	·218	·198	·200	·238	·245	·2253
	19	·232	·215	·177	·175	·214	·248	·250	·227	·198	·217	·253	·270	·2230
	20	·269	·260	·236	·225	·242	·275	·267	·236	·208	·217	·252	·278	·2471
	21	·272	·253	·221	·211	·231	·267	·266	·228	·202	·218	·247	·259	·2396
	22	·257	·233	·216	·203	·223	·239	·242	·198	·180	—	·230	·259	·2255
	23	·263	·242	·221	·217	·237	·256	·265	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	·238	·213	·224	·250	·269	·2412
	25	·268	·236	·197	·191	·209	·234	·229	·208	·182	·187	·193	·208	·2118
	26	·225	·211	·178	·169	·187	·218	·241	·216	·190	·187	·222	·244	·2073
	27	·244	·224	·200	·184	·203	·214	·228	·197	·185	·192	·229	·243	·2119
	28	·237	·219	·191	·177	·196	·221	·225	·184	·172	·171	·204	·223	·2017
	29	·220	·193	·178	·166	·186	·215	·220	·190	·174	·186	·222	·244	·1995
	30	·251	·237	·217	·213	·240	·268	·273	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	·249	·227	·234	·268	·293	·2475
Hourly Means	·2542	·2343	·2060	·1978	·2178	·2460	·2518	·2230	·1990	·2099	·2412	·2596	·2283	
FEBRUARY.	1	·290	·263	·227	·225	·245	·270	·271	·232	·215	·219	·256	·281	·2495
	2	·281	·251	·213	·195	·217	·251	·263	—	·198	·210	·257	·288	·2385
	3	·287	·259	·231	·227	·242	·277	·283	·242	·217	·212	·245	·276	·2498
	4	·276	·256	·228	·222	·232	·264	·275	·249	·224	·235	·269	·292	·2518
	5	·291	·272	·248	·239	·256	·278	·291	·252	—	·227	·267	·285	·2642
	6	·281	·249	·225	·224	·246	·280	·277	—	—	—	—	—	·2617
	7	—	—	—	—	—	—	—	·265	·237	·241	·293	·323	·2617
	8	·308	·288	·261	·275	·284	·310	·318	·287	·273	·275	·279	·333	·2909
	9	·322	·300	·269	·261	·276	·301	·307	·280	·253	—	·291	·326	·2896
	10	·324	·304	·277	·261	·271	·289	·293	·257	·238	·254	·272	·298	·2782
	11	·286	·266	·234	·234	·243	·274	·277	·249	·219	·232	·274	·295	·2569
	12	·289	·258	·224	·208	·213	·244	·248	·222	·200	·209	·251	·281	·2372
	13	·281	·258	·224	·221	·235	·258	·268	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	·213	·192	·213	·255	·273	·2409
	15	·260	·215	·179	·172	·213 <sup>a</sup>	·239	·242	·214	·190	·093	·232	·264	·2094
	16	·260	·224	·203	·194	·221	·242	·259	·228	·194	·206	·239	·264	·2278
	17	·261	·239	·217	·220	·250	·266	·268	·237	·218	·233	·259	·278	·2455
	18	·276	·259	·235	·237	·258	·281	·291	·271	·239	·239	·273	·303	·2635
	19	·289	·252	·219	·209	·231	·255	·255	·222	·197	·196	·224	·245	·2328
	20	·253	·236	·214	·204	·215	·253	·268	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	·271	·243	·249	·293	·317	·2513
	22	·311	·286	·266	·268	·287	·323	·313	·285	·257	·259	·282	·291	·2857
	23	·277	·254	·223	·215	·227	·250	·239	·219	·198	·199	·226	·242	·2307
	24	·235	·191	·186	·171	·192	·220	·222	·189	·167	·182	·201	·224	·1983
	25	·216	·198	·168	·149	·177	·196	·208	·182	·166	·169	·187	·210	·1855
	26	·207	·184	·170	·164	·179	·197	·211	·173	·154	·157	·171	·203	·1808
	27	·190	·167	·155	·144	·156	·182	·183	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	·177	·145	·163	·172	·191	·1687
Hourly Means	·2730	·2470	·2207	·2141	·2327	·2583	·2637	·2355	·2102	·2118	·2487	·2743	·2410	

<sup>a</sup> Not included in the hourly means.

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Gottingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MARCH.	1	.192	.171	.136	.141	.155	.184	.190	.160	.126	.136	.172	.182	.1621
	2	.179	.167	.140	.137	.168	.206	.212	.189	.177	.192	.238	.254	.1882
	3	.259	.222	.192	.183	.216	.253	.273	.260	.233	.234	.268	.289	.2402
	4	.283	.260	.228	.220	.234	.275	.279	.254	.233	.235	.259	.276	.2530
	5	.263	.222	.192	.198	.226	.255	.265	.245	.219	—	.240	.271	.2360
	6	.262	.226	.199	.179	.204	.226	.220	—	—	—	—	—	.2098
	7	—	—	—	—	—	—	—	.191	.181	.179	.214	.237	
	8	.229	.200	.169	.158	.180	.205	.206	.172	.157	.168	.192	.223	.1882
	9	.214	.178	.151	.142	.150	.167	.174	.150	.134	.143	.174	.206	.1652
	10	.214	.177	.159	.157	.179	.213	.222	.200	.185	.193	.220	.240	.1966
	11	.245	.213	.181	.182	.200	.221	.228	.200	.184	.198	.219	.246	.2097
	12	.238	.205	.184	.184	.210	.240	.248	.222	.204	.222	.244	.270	.2226
	13	.260	.230	.205	.190	.211	.228	.228	—	—	—	—	—	.2312
	14	—	—	—	—	—	—	—	.224	.211	.235	.262	.290	
	15	.287	.263	.239	.236	.273	.308	.307	.280	.260	.272	.304	.324	.2794
	16	.316	.278	.249	.251	.268	.301	.288	.268	.238	.237	.270	.290	.2712
	17	.289	.254	.226	.229	.251	.280	.273	.245	.232	.240	.269	.288	.2563
	18	.290	.259	.222	.232	.262	.290	.272	.244	.227	.239	.267	.287	.2576
	19	.284	.250	.232	.229	.256	.285	.285	.243	.219	.205	.229	.261	.2482
	20	.260	.213	.180	.166	.201	.232	.237	—	—	—	—	—	.2117
	21	—	—	—	—	—	—	—	.251	.173	.183	.211	.234	
	22	.225	.190	.154	.149	.169	.202	.191	.173	.167	.173	.212	.253	.1882
	23	.253	.224	.195	.201	.242	.277	.279	.236	.203	.205	.247	.287	.2374
	24	.293	.265	.226	.231	.243	.266	.256	.235	.207	.219	.253	.275	.2474
	25	.266	.218	.192	.200	.220	.242	.241	.213	.188	.193	.218	.239	.2192
	26	.239	.195	.172	.167	.173	.188	.201	.185	.166	.170	.192	.223	.1892
	27	.210	.174	.158	.159	.181	.212	.210	—	—	—	—	—	.1942
	28	—	—	—	—	—	—	—	.194	.181	.179	.218	.255	
	29	.246	.210	.187	.177	.197	.238	.235	.229	.212	.211	.231	.257	.2192
	30	.258	.225	.193	.199	.222	.253	.258	.235	.216	.221	.242	.273	.2329
	31	.268	.229	.217	.210	.232	.263	.256	.240	.213	.218	.262	.289	.2414
Hourly Means	.2527	.2192	.1918	.1891	.2120	.2411	.2420	.2199	.1980	.2038	.2343	.2600	.2220	
APRIL.	1	.280	.233	.211	.212	.225	.263	.258	.230	.204	.209	.229	.264	.2348
	2	.257	.218	.194	.207	.245	.274	.269	.230	.206	.212	.253	.269	.2362
	3	.246	.202	.179	.183	.208	.246	.248	—	—	—	—	—	.2196
	4	—	—	—	—	—	—	—	.219	.201	.197	.237	.269	
	5	.264	.214	.182	.201	.260	.263	.262	.232	.196	.208	.241	.273	.2330
	6	.262	.227	.195	.190	.221	.250	.243	.218	.192	.182	.215	.233	.2190
	7	.231	.200	.175	.190	.196	.216	.220	.191	.164	.175	.199	.224	.1984
	8	.231	.195	.166	.172	.185	.218	.242	—	—	—	—	—	.2102
	9 <sup>a</sup>	—	—	—	—	—	—	—	.223	.209	.193	.233	.255	
	10	.245	.205	.178	.182	.189	.206	.204	—	—	—	—	—	.1957
	11	—	—	—	—	—	—	—	.175	—	.167	.193	.209	
	12	.203	.167	.134	.135	.150	.172	.179	.169	.159	.162	.190	.218	.1698
	13	.213	.177	.150	.152	.171	.224	.231	.205	.197	.200	.225	.243	.1990
	14	.229	.178	.154	.167	.190	.218	.219	.197	.178	—	.194	.213	.1943
	15	.216	.188	.157	.178	.180	.210	.207	.190	.171	.145	.191	.234	.1889
	16	.224	.185	.147	.148	.169	.204	.214	.174	.171	.177	.208	.232	.1878
	17	.230	.180	.145	.155	.179	.212	.208	—	—	—	—	—	.1878
	18	—	—	—	—	—	—	—	.188	.154	.163	.200	.239	
	19	.262	.225	.194	.215	.238	.278	.270	.232	.201	—	.240	.259	.2376
	20	.265	.226	.199	.217	.234	.265	.260	.232	.201	.210	.233	.275	.2348
	21	.271	.227	.183	.178	.185	.224	.224	.202	.181	.177	.209	.240	.2084
	22	.230	.186	.162	.162	.182	.220	.243	.216	.189	.184	.216	.214	.2003
	23	.240	.211	.172	.173	.192	.223	.230	.219	.193	.199	.227	.254	.2111
	24	.236	.189	.155	.157	.177	.223	.226	—	—	—	—	—	.2118
	25	—	—	—	—	—	—	—	.239	.218	.210	.242	.269	
	26	.270	.235	.212	.225	.241	.281	.281	.268	.244	.254	.284	.307	.2585
	27	.304	.275	.254	.264	.271	.302	.307	.291	.279	.281	.318	.337	.2902
	28	.333	.303	.275	.278	.306	.328	.331	.307	.286	.289	.316	.336	.3073
	29	.328	.284	.267	.285	.313	.325	.333	.314	.294	.291	.315	.341	.3075
	30	.325	.276	.239	.255	.259	.287	.294	.282	.264	.274	.286	.298	.2782
Hourly Means	.2558	.2162	.1872	.1952	.2146	.2453	.2481	.2257	.2063	.2069	.2358	.2602	.2249	

<sup>a</sup> Good Friday.



BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
MAY.	1	·287	·250	·230	·248	·273	·297	·298	—	—	—	—	·2696	
	2	—	—	—	—	—	—	—	·288	·257	·252	·241	·314	
	3	·309	·272	·237	·244	·275	·296	·295	·278	·260	·270	·292	·318	·2788
	4	·313	·271	·240	·221	·236	·285	·303	·276	·255	·263	·276	·296	·2696
	5	·284	·236	·213	·217	·235	·278	·288	·266	·238	·236	·285	·300	·2563
	6	·285	·243	·211	·219	·238	·258	·269	·248	·229	·233	·261	·288	·2485
	7	·296 <sup>a</sup>	·265	·235	·243	·263	·282	·288	·275	·251	·249	·283	·319	·2707
	8	·319	·285	·260	·246	·262	·290	·282	—	—	—	—	—	·2861
	9	—	—	—	—	—	—	—	·283	·280	·281	·313	·332	·3149
	10	·328	·297	·277	·291	·298	·319	·328	·320	·312	·303	·332	·374	·3090
	11	·365	·324	·294	·286	·306	·324	·327	·307	·279	·275	·292	·329	·2692
	12	·313	·273	·247	·255	·260	·286	·278	·262	·238	·244	·275	·300	·2643
	13	·285	·254	·237	·236	·261	·282	·281	·264	·250	·254	·274	·294	·2562
	14	·283	·242	·229	·233	·243	·264	·272	·256	·240	—	·268	·288	·2622
	15	·291	·267	·237	·237	·249	·266	·283	—	—	—	—	—	·2822
	16	—	—	—	—	—	—	—	·269	·232	·227	·273	·315	·2497
	17	·319	·279	·245	·253	·283	·294	·285	·278	·262	·271	·295	·322	·2083
	18	·302	·270	·234	·237	·249	·256	·265	·246	·227	·219	·232	·260	·2529
	19	·246	·209	·174	·174	·188	·219	·225	·209	·187	—	·213	·247	·2758
	20	·252	·230	·209	·218	·242	·272	·289	·271	·243	·243	·268	·298	·2623
	21	·296	·269	·246	·242	·270	·297	·292	·276	·255	·267	·285	·315	·2404
	22	·303	·275	·244	·240	·266	·289	·290	—	—	—	—	—	·2654
	23	—	—	—	—	—	—	—	·244	·236	·235	·255	·271	·3032
	24	·263	·233	·214	·220	·236	·259	·258	·234	·216	—	·246	·265	·3129
	25	·273	·255	·236	·240	·257	·273	·279	·270	·251	·254	·280	·317	·3024
	26	·319	·284	·266	·274	·290	·323	·327	·308	·285	·292	·322	·349	·2868
	27	·339	·300	·277	·284	·316	·336	·331	·314	·290	·292	·328	·348	·2572
	28	·344	·295	·269	·276	·296	·326	·310	·290	·285	·283	·312	·343	—
	29	·338	·306	·279	·278	·298	·320	·313	—	—	—	—	—	·2868
	30	—	—	—	—	—	—	—	·263	·239	·250 <sup>a</sup>	·263	·295	—
	31	·311	·256	·234	·247	·250	·278	·265	·265	·224	·221	·251	·285	·2717
Hourly Means	·3027	·2669	·2413	·2446	·2631	·2873	·2893	·2715	·2508	·2575	·2775	·3070	·2717	
JUNE.	1	·291	·242	·218	·216	·238	·270	·276	·253	·222	·229	·263	·295	·2511
	2	·291	·248	·230	·233	·244	·270	·269	·249	·221	·214	·249	·283	·2501
	3	·276	·249	·230	·229	·249	·273	·293	·267	·247	·248	·274	·296	·2609
	4	·296	·269	·260	·258	·265	·278	·298	·283	·253	·255	·278	·293	·2738
	5	·288	·253	·228	·216	·224	·240	·262	—	—	—	—	—	·2328
	6	—	—	—	—	—	—	—	·216	·196	·195	·212	·264	·2486
	7	·278	·222	·198	·206	·225	·262	·266	·260	·244	·237	·278	·307	·3020
	8	·307	·282	·259	·264	·290	·318	·312	·304	·298	·304	·330	·356	·3338
	9	·361	·317	·289	·298	·321	·357	·368	·342	·330	·320	·340	·362	·3272
	10	·357	·319	·297	·298	·315	·335	·340	·326	·306	·321	·339	·373	·3408
	11	·366	·319	·298	·308	·322	·348	·356	·347	·328	·333	·368	·396	·3907
	12	·391	·365	·344	·362	·373	·398	·411	—	—	—	—	—	·3758
	13	—	—	—	—	—	—	—	·404	·395	·392	·412	·441	·3474
	14	·435	·393	·359	·365	·355	·384	·381	·372	·346	·352	·370	·398	·3428
	15	·382	·352	·333	·329	·345	·365	·367	·338	·315	·322	·341	·380	·3293
	16	·366	·330	·306	·328	·347	·371	·368	·344	·319	·309	·342	·383	·2983
	17	·358	·332	·301	·298	·329	·349	·349	·332	·311	·306	·327	·359	·3108
	18	·350	·303	·275	·281	·301	·322	·312	·294	·276	·258	·291	·316	·3525
	19	·316	·291	·267	·273	·286	·300	·300	—	—	—	—	—	·3593
	20	—	—	—	—	—	—	—	·340	·323	·319	·337	·379	·3470
	21	·378	·346	·322	·325	·325	·380	·376	·363	·333	—	·342	·387	·3083
	22	·393	·360	·334	·352	·370	·382	·385	·371	·329	·321	·339	·375	·3042
	23	·386	·364	·346	·355	·362	·374	·356	·343	·313	·301	·319	·345	·3188
	24	·341	·316	·298	·300	·309	·315	·309	·297	·287	·287	·304	·336	·3200
	25	·331	·298	·281	·279	·302	·321	·321	·302	·278	·287	·305	·345	·3234
	26	·337	·301	·287	·299	·312	·328	·339	—	—	—	—	—	·3529
	27	—	—	—	—	—	—	—	·337	·307	·302	·324	·352	—
	28	·347	·319	·295	·303	·323	·330	·332	·314	·299	·299	·320	·359	·3154
	29	·353	·313	·289	·299	·315	·334	·337	·326	·304	·308	·330	·373	—
	30	·363	·329	·300	·322	·339	·364	·373	·366	·346	·352	·372	·409	—
Hourly Means	·3438	·3089	·2863	·2922	·3072	·3295	·3329	·3188	·2972	·2948	·3195	·3524	·3154	

<sup>a</sup> Omitted in the hourly means.

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	.411	.377	.361	.373	.386	.404	.403	.391	.375	.362	.400	.416	.3882
	2	.407	.377	.351	.366	.387	.392	.396	.382	.348	.339	.351	.380	.3730
	3	.373	.332	.297	.303	.326	.325	.319	—	—	—	—	—	.3138
	4	—	—	—	—	—	—	—	.300	.282	.281	.297	.331	—
	5	.339	.298	.273	.281	.281	.286	.298	.298	.281	.283	.305	.336	.2966
	6	.327	.297	.277	.279	.293	.315	.310	.310	.287	.267	.291	.341	.2995
	7	.345	.307	.290	.291	.305	.329	.332	.315	.294	.289	.325	.358	.3150
	8	.356	.322	.305	.316	.344	.361	.364	.353	.331	.332	.362	.397	.3452
	9	.400	.373	.361	.374	.382	.405	.395	.375	.355	.349	.353	.397	.3766
	10	.386	.349	.332	.328	.340	.357	.354	—	—	—	—	—	.3452
	11	—	—	—	—	—	—	—	.344	.326	.305	.338	.384	—
	12	.391	.348	.326	.337	.345	.374	.377	.349	.341	.339	.359	.393	.3566
	13	.392	.352	.337	.346	.365	.391	.398	.373	.348	.342	.367	.396	.3672
	14	.381	.354	.334	.338	.347	.359	.357	.352	.318	.318	.335	.374	.3472
	15	.377	.334	.292	.307	.325	.331	.323	.299	.275	.260	.285	.333	.3117
	16	.319	.292	.256	.253	.260	.289	.291	.255	.230	.240	.263	.299	.2706
	17	.315	.279	.251	.250	.268	.286	.300	—	—	—	—	—	.3231
	18	—	—	—	—	—	—	—	.373	.360	.379	.394	.422	—
	19	.422	.391	.362	.373	.388	.404	.412	.391	.357	.345	.370	.411	.3855
	20	.408	.378	.354	.373	.374	.387	.389	.370	.350	.354	.377	.420	.3778
	21	.434	.392	.363	.370	.388	.398	.410	.398	.373	.355	.359	.406	.3872
	22	.395	.366	.338	.340	.357	.391	.372	.349	.324	.323	.347	.374	.3563
	23	.375	.342	.323	.329	.327	.343	.336	.321	.300	.293	.318	.339	.3288
	24	.347	.304	.281	.294	.308	.319	.323	—	—	—	—	—	.3126
	25	—	—	—	—	—	—	—	.311	.292	.297	.322	.353	—
	26	.355	.330	.303	.305	.333	.354	.359	.345	.337	.329	.351	.391	.3410
	27	.394	.351	.332	.341	.356	.388	.390	.355	.323	.309	.299	.387	.3521
	28	.378	.333	.300	.315	.339	.365	.348	.341	.305	.305	.325	.373	.3356
	29	.374	.352	.303	.295	.297	.318	.320	.289	.267	.261	.280	.306	.3052
	30	.305	.294	.269	.284	.258	.279	.285	.288	.271	.261	.286	.317	.2831
	31	.331	.299	.284	.319	.309	.338	.362	—	—	—	—	—	.3306
	32	—	—	—	—	—	—	—	.332	.310	—	.355	.398	—
Hourly Means	.3717	.3379	.3131	.3215	.3329	.3514	.3527	.3392	.3170	.3122	.3339	.3716	.3380	
AUGUST.	2	.391	.348	.325	.334	.327	.356	.346	.328	.296	.288	.316	.358	.3344
	3	.379	.338	.312	.326	.343	.351	.353	.325	.298	.294	.263	.352	.3278
	4	.353	.325	.320	.316	.319	.337	.335	.312	.310	—	.341	.358	.3296
	5	.352	.329	.337	.349	.341	.352	.361	.338	.318	.304	.322	.346	.3374
	6	.334	.295	.297	.296	.329	.353	.346	.327	.299	.285	.299	.343	.3169
	7	.350	.315	.292	.299	.324	.335	.348	—	—	—	—	—	.3159
	8	—	—	—	—	—	—	—	.309	.277	.278	.319	.345	—
	9	.348	.314	.292	.291	.328	.344	.360	.345	.315	.310	.344	.386	.3314
	10	.389	.349	.336	.342	.375	.385	.386	.355	.338	.323	.369	.388	.3612
	11	.387	.353	.333	.339	.350	.363	.371	.344	.322	.309	.351	.381	.3502
	12	.377	.333	.318	.324	.337	.359	.353	.323	.310	.301	.317	.346	.3332
	13	.339	.284	.272	.270	.278	.308	.321	.308	.279	.274	.314	.359	.3005
	14	.355	.326	.302	.322	.352	.379	.385	—	—	—	—	—	.3639
	15	—	—	—	—	—	—	—	.398	.374	.365	.393	.416	—
	16	.403	.362	.341	.346	.374	.391	.397	.375	.342	.337	.369	.407	.3703
	17	.406	.367	.333	.326	.335	.351	.355	.336	.312	.305	.325	.347	.3415
	18	.353	.320	.298	.302	.308	.336	.345	.314	.290	.294	.266	.341	.3139
	19	.337	.309	.292	.310	.319	.340	.347	.310	.236	.289	.325	.373	.3156
	20	.377	.336	.310	.318	.325	.345	.340	.304	.293	.303	.329	.344	.3270
	21	.343	.306	.281	.291	.306	.329	.338	—	—	—	—	—	.3300
	22	—	—	—	—	—	—	—	.347	.329	.323	.374	.393	—
	23	.403	.372	.357	.368	.382	.385	.393	.373	.335	.334	.365	.390	.3714
	24	.383	.349	.326	.337	.347	.385	.390	.373	.352	.340	.368	.392	.3618
	25	.375	.347	.303	.303	.313	.338	—	.313	.308	.318	.342	.364	.3295
	26	.345	.315	.290	.295	.297	.322	.333	.330	.300	.293	.325	.369	.3178
	27	.373	.351	.320	.321	.343	.367	.379	.361	.341	.342	.373	.396	.3556
	28	.392	.352	.323	.324	.340	.375	.391	—	—	—	—	—	.3289
	29	—	—	—	—	—	—	—	.312	.272	.254	.288	.324	—
	30	.327	.290	.246	.261	.280	.304	.302	.271	.248	.245	.278	.314	.2805
	31	.304	.258	.226	.248	.286	.309	.311	.292	.281	.282	.314	.354	.2887
	Hourly Means	.3644	.3286	.3070	.3138	.3292	.3500	.3554	.3317	.3067	.3036	.3303	.3648	.3321

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
SEPTEMBER.	1	·351	·321	·301	·307	·327	·359	·355	·339	·329	·340	·366	·404	·3416
	2	·389	·352	·318	·298	·339	·375	·373	·332	·309	—	·350	·384	·3472
	3	·366	·329	·305	·294	·299	·310	·316	·309	·277	·278	·312	·347	·3118
	4	·358	·319	·297	·301	·309	·334	·351	—	—	—	—	—	·3208
	5	—	—	—	—	—	—	—	·315	·283	·292	·329	·362	
	6	·354	·310	·285	·288	·300	·317	·324	·298	·292	·290	·304	·328	·3075
	7	·318	·272	·246	·258	·267	·259	·251	·231	·216	·240	·274	·289	·2601
	8	·281	·242	·221	·215	·244	·279	·291	·275	·255	·266	·301	·330	·2674
	9	·309	·283	·257	·253	·273	·297	·306	·280	·261	·260	·288	·311	·2815
	10	·305	·291	·274	·273	·300	·327	·327	·291	·275	·265	·299	·335	·2968
	11	·345	·296	·283	·298	·311	·345	·352	—	—	—	—	—	·3070
	12	—	—	—	—	—	—	—	·288	·264	·274	·302	·326	
	13	·307	·278	·246	·247	·262	·279	·291	·260	·232	·240	·274	·304	·2683
	14	·293	·272	·251	·258	·300	·325	·304	·274	·254	·242	·275	·322	·2808
	15	·335	·303	·279	·281	·301	·320	·311	·291	·270	·262	·286	·326	·2971
	16	·331	·305	·286	·279	·281	·312	·313	·292	·260	·254	·283	·312	·2923
	17	·305	·285	·245	·242	·249	·271	·265	·234	·198	·206	·239	·256	·2496
	18	·256	·235	·205	·205	·230	·264	·264 <sup>a</sup>	—	—	—	—	—	·2654
	19	—	—	—	—	—	—	—	·295	·275	·287	·315	·354	
	20	·340	·315	·287	·295	·304	·310	·324	·309	·273	·286	·303	·335	·3067
	21	·329	·292	·265	·279	·314	·335	·336	·300	·283	·292	·326	·346	·3081
	22	·340	·327	·301	·325	·360	·379	·383	·356	·333	·340	·354	·388	·3488
	23	·388	·358	·346	·361	·377	·402	·410	·383	·359	·370	·402	·430	·3822
	24	·411	·380	·366	·370	·385	·405	·393	·364	·334	·342	·376	·391	·3764
	25	·391	·359	·346	·327 <sup>a</sup>	·337	·351	·349	—	—	—	—	—	·3265
	26	—	—	—	—	—	—	—	·294	·257	·264	·306	·336	
	27	·341	·307	·286	·298	·320	·351	·335	·310	·290	·306	·348	·364	·3213
	28	·359	·321	·302	·306	·333	·347	·340	·316	·308	—	·337	·360	·3299
	29	·353	·318	·297	·301	·323	·342	·349	·323	·294	·305	·329	·342	·3230
	30	·337	·307	·284	·284	·304	·331	·339	·317	·290	·282	·304	·316	·3079
Hourly Means	·3382	·3068	·2838	·2846	·3057	·3279	·3315	·3029	·2797	·2826	·3147	·3426	·3085	
OCTOBER.	1	·305	·272	·246	·248	·249	·283	·285	·251	·229	·239	·250	·266	·2603
	2	·269	·241	·211	·218	·245	·261	·261	—	—	—	—	—	·2613
	3	—	—	—	—	—	—	—	·258	·240	·269	·309	·352	
	4	·348	·302	·285	·287	·304	·324	·329	·302	·280	·296	·324	·346	·3106
	5	·333	·292	·271	·262	·251	·334	·338	·290	·270	·290	·300	·320	·2959
	6	·313	·283	·267	·278	·297	·310	·313	·264	·238	·248	·262	·285	·2798
	7	·286	·273	·248	·243	·256	·265	·281	·263	·231	·240	·280	·290	·2630
	8	·289	·269	·237	·235	·243	·269	·270	·239	·216	—	·289	·307	·2603
	9	·305	·278	·243	·241	·256	·287	·283	—	—	—	—	—	·2566
	10	—	—	—	—	—	—	—	·234	·203	·230	·243	·276	
	11	·287	·258	·228	·232	·249	·288	·283	·251	·231	·242	·271	·288	·2590
	12	·291	·257	·244	·244	·231	·304	·296	·259	·238	·259	·306	·330	·2716
	13	·331	·297	·276	·273	·291	·383	·363	·290	·262	·268	·298	·331	·3052
	14	·332	·298	·287	·285	—	·325	·324	·283	·247	·259	·283	·312	·2941
	15	·313	·275	·257	·245	·259	·290	·292	·250	·204	·224	·244	·266	·2599
	16	·253	·231	·187	·190	·200	·236	·234	—	—	—	—	—	·2271
	17	—	—	—	—	—	—	—	·283	·209	·209	·238	·255	
	18	·255	·230	·202	·206	·235	·254	·262	·231	·209	·228	·250	·263	·2354
	19	·257	·234	·206	·206	·279	·241	·253	·227	·190	·212	·241	·256	·2335
	20	·257	·239	·206	·206	·229	·256	·249	·207	·200	·206	·251	·266	·2310
	21	·249	·211	·176	·166	·193	·201	·225	·203	·183	·194	·229	·255	·2071
	22	·249	·203	·193	·203	·214	·223	·223	·201	·185	·204	·244	·259 <sup>a</sup>	·2168
	23	·259	·231	·181	·181	·198	·279	·214	—	—	—	—	—	·2279
	24	—	—	—	—	—	—	—	·217	·197	·217	·266	·295	
	25	·288	·262	·234	·233	·258	·279	·298	·255	·261	·260	·307	·329	·2720
	26	·322	·291	·269	·264	·285	·329	·331	·275	·239	·255	·306	·322	·2907
	27	·298	·287	·241	·261	·300	·327	·320	·288	·254	·255	·295	·321	·2872
	28	·317	·269	·251	·246	·260	·297	·305	·271	·233	·238	·265	·300	·2710
	29	·288	·240	·214	·203	·243	·272	·287	·274	·252	·257	·309	·331	·2642
	30	·325	·289	·261	·267	·311	·343	·339	—	—	—	—	—	·3033
	31	—	—	—	—	—	—	—	·306	·275	·280	·305	·339	
Hourly Means	·2930	·2620	·2354	·2355	·2534	·2869	·2868	·2566	·2299	·2432	·2756	·3000	·2632	

<sup>a</sup> Omitted in the hourly means.

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
NOVEMBER.	1	.329	.321	.285	.282	.291	.309	.304	.254	.238	.233	.237	.255	.2782
	2	.237	.231	.203	.202	.223	.244	.244	.200	.159	.179	.220	.257	.2166
	3	.251	.246	.231	.229	.242	.263	.273	—	—	.253	.287	.307	.2582
	4	.301	.280	.252	.241	.254	.295	.301	.269	.229	.221	.243	.267	.2627
	5	.271	.252	.231	.218	.227	.263	.256	.220	.196	.201	.238	.249	.2352
	6	.235	.195	.169	.155	.146	.198	.204	—	—	—	—	—	.1779
	7	—	—	—	—	—	—	—	.145	.135	.145	.193	.215	—
	8	.206	.191	.169	.171	.211	.235	.228	.192	.171	.193	.239	.263	.2057
	9	.270	.231	.192	.190	.215	.256	.247	.213	.205	.221	.268	.280	.2323
	10	.283	.260	.222	.216	.246	.253	.265	.277	.273	.273	.273	.285	.2563
	11	.270	.226	.208	.181	.199	.239	.247	.221	.205	.212	.240	.254	.2252
	12	.263	.242	.218	.224	.248	.249	.255	.222	.202	.221	.248	.270	.2385
	13	.265	.238	.208	.148	.211	.240	.239	—	—	—	—	—	.2166
	14	—	—	—	—	—	—	—	.202	.177	.199	.231	.241	—
	15	.236	.216	.185	.183	.202	.225	.227	.226	.231	.219	.243	.271	.2220
	16	.258	.228	.189	.180	.200	.246	.256	.215	.195	.203	.248	.265	.2236
	17	.262	.228	.214	.216	.239	.265	.271	.238	.211	.230	.272	.299	.2454
	18	.284	.258	.244	.252	.278	.303	.321	.285	.281	.293	.335	.355	.2907
	19	.333	.297	.252	.245	.269	.291	.293	.255	.243	—	.292	.300	.2791
	20	.295	.275	.245	.234	.242	.251	.251	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	.186	.176	.202	.245	.259	.2384
	22	.246	.212	.179	.172	.201	.234	.233	.203	.187	.192	.209	.233	.2084
	23	.267	.238	.168	.156	.182	.234	.223	.181	.153	.181	.186	.198	.1972
	24	.181	.157	.135	.133	.152	.173	.174	.124	.102	.115	.155	.211	.1510
	25	.208	.192	.135	.127	.145	.182	.179	.134	.119	.141	.160	.171	.1577
	26	.178	.159	.127	.125	.138	.170	.184	.168	.171	.189	.235	.262	.1755
	27	.245	.209	.182	.172	.209	.233	.232	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	.200	.195	.207	.245	.261	.2158
	29	.244	.224	.202	.196	.237	.269	.268	.231	.211	.211	.245	.265	.2336
	30	.252	.222	.197	.203	.236	.272	.284	.248	.226	.223	.260	.265	.2497
Hourly Means	.2565	.2318	.2016	.1943	.2170	.2458	.2484	.2104	.1956	.2063	.2403	.2599	.2259	
DECEMBER.	1	.245	.219	.202	.189	.220	.248	.268	.234	.241	.239	.265	.287	.2381
	2	.266	.238	.217	.223	.229	.270	.284	.254	.239	.245	.279	.278	.2517
	3	.264	.220	.201	.194	.235	.271	.274	.232	.204	.210	.238	.256	.2332
	4	.244	.220	.194	.192	.236	.266	.265	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	.234	.202	.207	.267	.279	.2338
	6	.266	.237	.207	.213	.237	.277	.285	.242	.224	.249	.294	.300	.2526
	7	.291	.266	.235	.221	.235	.286	.289	.266	.248	.254	.288	.301	.2650
	8	.294	.261	.224	.213	.240	.269	.277	.265	.245	.247	.297	.313	.2621
	9	.280	.255	.228	.208	.228	.260	.268	.271	.201	.217	.263	.297	.2480
	10	.302	.277	.244	.242	.267	.286	.286	.257	.247	.257	.298	.317	.2733
	11	.312	.277	.246	.230	.249	.273	.284	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	.217	.197	.215	.256	.277	.2527
	13	.264	.240	.205	.194	.222	.250	.270	.231	.227	.235	.279	.283	.2417
	14	.270	.234	.216	.215	.230	.262	.267	.216	.192	.201	.230	.237	.2308
	15	.225	.193	.166	.161	.186	.206	.215	.184	.172	.187	.222	.242	.1966
	16	.230	.205	.176	.167	.176	.196	.212	.195	.186	.214	.250	.247	.2045
	17	.238	.217	.179	.185	.205	.226	.237	.216	.198	.199	.239	.259	.2165
	18	.246	.200	.179	.169	.181	.208	.226	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	.181	.173	.183	.225	.235	.2005
	20	.236	.211	.180	.184	.198	.228	.237	.203	.185	.197	.235	.249	.2119
	21	.255	.229	.181	.182	.198	.227	.226	.191	.179	.186	.211	.218	.2069
	22	.213	.189	.169	.159	.187	.220	.220	.186	.171	.196	.239	.241	.1992
	23	.252	.236	.201	.195	.219	.272	.268	.242	.227	.228	.276	.279	.2412
	24	.283	.263	.232	.225	.253	.290	.293	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	.189	.181	.183	.223	.249	.2387
	27	.250	.218	.177	.175	.190	.227	.237	.199	.187	.195	.236	.267	.2132
	28	.268	.251	.229	.219	.239	.266	.278	.253	.233	.231	.272	.279	.2515
	29	.281	.256	.228	.214	.241	.269	.280	.245	.201	.197	.237	.243	.2410
	30	.230	.208	.175	.171	.200	.232	.230	.192	.172	.203	.245	.269	.2106
	31	.258	.221	.210	.221	.249	.261	.254	.218	.205	.205	.240	.267	.2341
Hourly Means	.2601	.2323	.2039	.1985	.2212	.2518	.2588	.2236	.2053	.2146	.2540	.2680	.2327	

<sup>a</sup> Christmas day.

STANDARD THERMOMETER.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21	
JANUARY.	1	65.8	68.6	70.5	65.7	62.1	61.8	61.7	61.5	61.2	60.1	61.6	65.7	63.86	
	2	69.6	69.6	69.0	65.6	63.0	62.1	61.6	—	—	—	—	—		
	3	—	—	—	—	—	—	—	60.6	60.6	60.8	61.6	63.6		
	4	67.2	68.7	69.2	67.6	62.7	61.6	61.6	61.2	61.1	61.3	60.4	61.7		63.69
	5	64.4	66.4	65.8	64.2	61.9	60.7	61.0	59.3	59.8	59.8	59.6	61.0		61.99
	6	64.8	65.8	63.5	61.4	61.0	60.7	60.7	60.1	60.6	60.1	60.6	62.4		61.81
	7	62.3	65.3	63.8	62.4	61.8	61.5	60.7	60.2	60.1	60.2	60.4	63.6		61.86
	8	67.6	68.0	66.4	63.8	62.1	61.1	60.8	60.2	60.3	60.5	60.0	62.2		62.75
	9	66.4	68.6	68.0	64.2	62.0	61.5	61.0	—	—	—	—	—		63.27
	10	—	—	—	—	—	—	—	60.9	60.1	60.1	61.2	65.2		
	11	67.6	67.2	66.6	64.0	62.2	61.0	61.0	60.6	60.2	59.9	61.7	65.3		63.11
	12	65.8	70.4	66.5	66.6	62.5	61.2	61.0	60.6	60.0	60.6	61.7	65.2		63.77
	13	67.5	68.8	68.2	65.0	62.4	61.7	61.3	61.0	60.7	60.3	61.5	64.8		63.60
	14	67.6	67.7	65.0	64.2	61.2	60.2	60.6	59.7	60.0	59.2	61.2	60.8		62.28
	15	68.8	70.6	68.6	64.8	62.9	61.8	61.8	61.6	61.1	61.1	60.7	64.5		64.02
	16	65.7	70.0	67.4	65.4	63.4	62.6	62.0	—	—	—	—	—		63.57
	17	—	—	—	—	—	—	—	61.0	60.7	60.7	60.4	63.6		
	18	68.0	68.4	68.4	68.0	62.5	62.1	61.2	60.8	59.9	60.5	60.0	62.0		63.48
	19	64.6	66.5	66.6	64.0	62.0	61.7	61.0	61.2	60.8	60.0	60.1	62.5		62.58
	20	66.8	66.2	63.7	64.2	62.5	61.6	61.6	61.5	60.7	59.4	61.0	62.6		62.65
	21	—	67.8	67.7	67.9	63.0	61.6	62.0	61.2	60.0	61.1	62.2	66.2		63.70
	22	68.6	69.2	68.1	65.7	63.7	63.1	62.5	62.2	62.4	—	62.4	65.3		64.84
	23	68.0	69.7	70.2	65.4	63.7	62.5	62.7	—	—	—	—	—		64.27
	24	—	—	—	—	—	—	—	61.7	61.4	61.1	61.3	63.5		
	25	66.0	68.6	69.2	65.2	62.6	61.6	61.7	61.0	60.6	61.7	61.9	65.0		63.76
	26	66.8	63.8	—	62.9	61.5	61.7	61.4	61.6	61.0	60.9	62.2	64.1		62.54
	27	66.7	68.5	69.0	64.4	62.9	61.8	61.4	61.0	61.1	61.2	61.6	66.0		63.80
	28	67.8	66.2	68.0	64.8	63.6	62.7	62.4	61.5	60.6	61.0	61.0	65.1		63.72
	29	68.0	66.5	70.6	69.5	64.7	64.2	63.5	62.7	62.4	61.7	62.6	64.8		65.10
	30	65.0	70.6	69.7	69.9	64.1	63.8	63.2	—	—	—	—	—		65.22
	31	—	—	—	—	—	—	—	62.7	62.6	62.6	63.0	65.4		
Hourly Means	66.69	67.99	67.59	65.26	62.62	61.84	61.59	61.08	60.77	60.64	61.23	63.93	63.43		
FEBRUARY.	1	70.5	72.7	71.4	70.7	66.6	64.5	63.6	61.7	62.0	62.5	63.6	65.4	66.27	
	2	68.0	71.1	69.9	68.8	65.3	63.0	62.1	—	61.0	60.0	60.7	65.6	65.05	
	3	70.1	70.6	71.5	69.1	65.5	62.8	62.0	61.1	60.7	60.0	63.0	68.2	65.38	
	4	70.7	71.5	71.0	70.2	—	62.8	62.1	61.4	61.8	62.2	62.5	66.4	65.69	
	5	66.6	69.7	68.6	69.0	64.8	63.4	64.0	63.5	—	62.2	63.2	67.0	65.64	
	6	63.9	65.9	67.1	68.2	64.7	63.8	63.7	—	—	—	—	—	64.82	
	7	—	—	—	—	—	—	—	64.0	63.6	63.4	63.6	66.0		
	8	70.0	73.2	72.0	66.4	64.6	64.4	64.2	63.6	63.3	63.1	63.2	64.9	66.07	
	9	69.8	71.8	70.8	65.9	65.0	64.4	63.6	63.1	63.1	—	63.4	67.2	66.19	
	10	66.5	65.7	68.4	66.1	64.4	63.6	63.3	63.0	63.4	63.4	61.9	64.3	64.50	
	11	68.7	71.4	72.0	67.5	64.8	64.3	64.0	63.5	63.1	62.6	63.0	65.6	65.87	
	12	69.2	65.3	69.9	70.6	64.6	64.2	62.5	62.4	63.2	63.2	63.4	65.2	65.31	
	13	69.7	71.4	71.3	69.4	66.0	64.8	64.2	—	—	—	—	—	66.72	
	14	—	—	—	—	—	—	—	63.1	63.0	—	64.3	66.7		
	15	69.4	72.6	72.4	71.5	66.6	65.2	64.6	64.5	63.8	63.8	63.6	66.7	67.06	
	16	69.4	68.5	70.9	66.9	65.2	64.9	64.5	64.0	63.5	63.2	63.4	65.2	65.80	
	17	65.7	68.7	68.5	66.7	64.3	63.7	64.0	63.2	63.2	63.0	63.7	66.2	65.08	
	18	69.2	67.9	67.5	64.7	64.1	64.2	62.7	63.9	62.6	63.4	64.1	66.1	65.03	
	19	67.6	69.0	66.5	65.4	65.1	65.6	65.2	64.6	64.9	65.1	65.2	66.5	65.89	
	20	67.6	68.7	67.5	66.8	65.4	64.8	65.0	—	—	—	—	—	65.64	
	21	—	—	—	—	—	—	—	64.1	64.0	64.0	64.4	65.4		
	22	66.9	68.0	68.2	65.3	64.5	64.5	64.3	63.8	63.2	62.4	63.3	64.0	64.87	
	23	65.0	65.3	65.8	65.6	63.7	63.3	63.0	63.0	61.6	61.4	62.4	64.8	63.74	
	24	66.8	65.5	68.0	67.6	64.5	63.6	63.4	63.5	63.6	63.1	63.1	67.4	65.01	
	25	68.3	70.6	70.6	70.4	66.4	65.6	65.5	64.8	64.1	63.5	64.3	65.0	66.59	
	26	66.4	67.0	66.7	65.4	64.5	64.2	64.1	64.1	63.2	63.2	63.2	64.2	64.68	
	27	65.6	64.7	64.3	64.8	64.0	63.8	63.5	—	—	—	—	—	64.48	
	28	—	—	—	—	—	—	—	64.7	64.3	64.4	64.4	65.3		
Hourly Means	67.98	69.03	69.20	67.62	64.98	64.14	63.71	63.42	63.05	62.87	63.37	65.80	65.47		

\* Seven minutes late.

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MARCH.	1	66.4	67.9	67.0	66.3	65.5	65.4	65.2	65.1	65.0	65.1	65.2	65.6	65.81
	2	66.7	66.9	66.4	65.7	65.4	64.2	65.0	64.0	63.9	63.7	63.7	64.7	65.02
	3	69.2	67.7	68.8	66.8	64.7	64.0	63.4	64.0	62.7	62.6	63.4	66.0	65.27
	4	68.9	70.4	70.7	67.6	64.7	64.8	64.6	64.0	63.8	63.6	63.9	68.2	66.27
	5	68.7	71.0	70.5	68.2	65.8	65.2	65.0	63.5	62.0	—	63.8	65.8	66.32
	6	68.2	69.3	68.6	68.4	65.4	65.2	64.6	—	—	—	—	—	65.89
	7	—	—	—	—	—	—	—	63.2	63.2	63.1	64.2	67.3	65.89
	8	69.8	71.0	71.4	69.1	66.0	65.0	64.4	64.1	63.4	63.0	63.8	67.1	66.51
	9	70.2	69.9	68.7	69.2	66.0	65.0	64.7	64.0	64.0	63.6	—	66.1	66.49
	10	66.6	69.6	71.4	70.2	66.0	64.5	63.6	63.0	62.7	63.3	64.8	67.6	66.11
	11	69.5	71.8	70.2	70.3	66.6	65.7	66.0	66.2	65.0	66.1	66.2	66.7	67.52
	12	67.4	68.4	68.1	67.1	66.4	66.6	66.0	65.6	65.5	65.7	66.2	67.0	66.67
	13	69.5	68.1	67.3	65.8	65.6	65.7	64.5	—	—	—	—	—	65.87
	14	—	—	—	—	—	—	—	63.7	63.2	64.6	64.8	67.6	65.87
	15	69.8	68.0	68.5	67.9	66.1	66.1	66.3	66.0	66.0	66.1	65.0	67.2	66.92
	16	69.0	71.0	69.9	67.4	66.4	66.0	65.9	65.4	65.2	65.6	65.3	66.5	66.97
	17	67.6	68.4	68.0	67.2	66.2	66.1	65.8	65.3	64.8	65.3	65.6	67.0	66.44
	18	67.8	69.4	68.2	66.5	66.5	65.6	66.1	65.5	65.0	64.3	64.9	66.0	66.32
	19	66.2	67.7	66.6	65.4	65.1	63.6	63.7	63.2	63.4	63.2	63.1	63.8	61.58
	20	67.4	68.7	67.9	66.2	64.4	64.0	63.8	—	—	—	—	—	65.42
	21	—	—	—	—	—	—	—	64.3	64.2	63.7	64.2	66.2	65.42
	22	69.6	69.6	70.4	67.0	65.2	64.7	64.2	64.8	64.4	64.3	63.9	65.8	66.16
	23	69.8	69.9	70.1	69.4	66.4	66.0	65.5	65.0	64.1	63.6	64.3	65.6	66.64
	24	68.0	69.2	69.6	67.8	65.0	64.2	64.0	63.7	64.0	64.2	—	66.5	66.02
	25	69.4	69.5	69.6	66.8	64.4	63.7	63.3	62.8	63.0	61.9	63.6	66.2	65.35
	26	67.8	70.5	70.9	68.5	64.8	64.0	63.0	63.5	63.0	63.1	64.1	67.7	65.91
	27	71.0	71.7	71.7	68.6	66.6	66.1	65.8	—	—	—	—	—	67.41
	28	—	—	—	—	—	—	—	65.4	65.0	61.5	64.9	67.6	67.41
	29	70.4	71.4	70.8	68.8	65.9	65.2	64.3	64.2	64.0	64.6	64.7	68.4	66.89
	30	69.6	70.3	70.6	67.8	66.6	64.5	64.8	64.6	64.3	64.0	64.3	67.2	66.55
	31	70.8	70.3	69.5	67.6	65.5	65.2	65.1	64.4	64.0	64.0	64.5	68.3	66.60
Hourly Means	68.71	69.54	69.31	67.69	65.67	65.05	64.76	64.39	64.03	64.11	64.49	66.66	66.22	
APRIL.	1	70.6	71.6	70.6	67.6	65.2	64.8	64.6	64.6	64.0	63.4	64.2	67.6	66.57
	2	69.6	70.2	70.0	67.8	66.1	65.5	64.8	64.3	63.6	63.8	64.0	67.1	66.40
	3	68.2	70.2	70.5	67.8	65.2	64.7	64.4	—	—	—	—	—	66.12
	4	—	—	—	—	—	—	—	63.6	64.0	63.6	64.0	67.3	66.12
	5	68.6	69.0	69.9	68.7	66.4	66.1	65.9	65.6	65.5	64.9	65.0	66.8	66.87
	6	69.5	69.5	67.9	66.6	65.6	65.5	65.1	64.9	64.6	63.6	64.1	65.0	65.99
	7	66.8	68.4	67.7	66.7	64.5	63.8	63.4	63.2	63.1	62.4	63.0	64.1	64.76
	8	66.4	67.8	66.6	65.6	64.6	64.0	63.6	—	—	—	—	—	64.99
	9 <sup>a</sup>	—	—	—	—	—	—	—	64.2	64.4	63.5	64.0	65.2	64.99
	10	67.5	67.4	67.5	65.6	64.3	64.3	63.9	—	—	—	—	—	65.04
	11	—	—	—	—	—	—	—	63.0	—	62.5	64.0	65.4	64.91
	12	66.6	68.0	69.3	67.2	64.0	63.1	62.9	62.4	63.0	63.4	63.6	65.4	64.91
	13	67.1	69.0	68.0	67.3	63.5	63.2	63.6	63.7	63.2	63.0	63.7	66.3	65.13
	14	68.0	68.4	68.8	65.5	63.7	63.0	63.0	62.7	62.5	—	63.4	65.1	64.92
	15	68.4	69.3	69.4	66.5	64.6	64.5	64.4	63.6	63.8	62.6	62.0	65.0	65.34
	16	68.2	69.5	70.5	67.3	65.0	63.5	63.5	63.4	63.5	63.0	63.7	67.7	65.73
	17	69.0	68.7	69.4	67.9	64.7	63.8	63.0	—	—	—	—	—	65.87
	18	—	—	—	—	—	—	—	63.8	64.6	64.6	65.0	66.0	66.35
	19	69.0	68.1	69.7	68.0	66.0	65.1	64.8	64.4	63.9	—	64.0	66.8	66.12
	20	68.0	70.2	69.0	67.6	65.3	65.0	64.6	64.4	64.1	64.0	64.3	66.9	66.12
	21	68.8	69.0	68.2	66.8	64.8	64.2	64.0	63.8	64.0	64.1	65.6	65.5	65.73
	22	—	67.5	68.6	67.3	65.5	65.7	65.5	64.6	65.0	64.9	65.1	65.7	65.95
	23	68.6	69.5	69.6	67.4	65.0	64.4	64.5	64.5	64.2	63.9	63.6	64.9	65.84
	24	68.9	70.4	69.5	68.0	66.0	65.2	64.7	—	—	—	—	—	65.65
	25	—	—	—	—	—	—	—	62.5	62.0	62.3	63.6	64.7	64.95
	26	65.4	65.8	66.0	64.9	65.0	64.4	64.3	64.4	63.8	64.3	64.7	66.4	64.95
	27	67.8	66.6	67.0	65.3	63.5	62.6	62.3	62.6	62.4	61.9	62.5	65.2	64.14
	28	67.4	69.4	68.0	65.6	65.2	65.2	63.5	64.3	64.5	64.6	65.0	66.2	65.74
	29	67.8	66.9	66.4	65.2	64.1	64.8	63.5	63.3	63.4	63.4	62.9	64.7	64.70
	30	66.1	67.0	66.3	—	63.6	63.7	62.6	62.5	61.5	61.0	61.5	65.3	63.74
Hourly Means	68.01	68.69	68.58	66.84	64.86	64.40	64.02	63.77	63.69	63.42	63.86	65.85	65.51	

<sup>a</sup> Good Friday.

R 2

STANDARD THERMOMETER.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21			
MAY.	1	64.6	65.5	66.2	64.6	63.6	63.2	63.2	—	—	—	—	63.92		
	2	—	—	—	—	—	—	—	63.0	62.4	62.4	62.8	65.5		
	3	66.6	67.9	66.7	64.4	63.8	63.3	62.5	62.6	62.5	62.1	62.9	65.1	64.20	
	4	67.8	65.5	65.5	63.0	61.9	61.2	61.6	61.2	60.2	61.4	62.0	63.0	62.86	
	5	65.7	67.1	66.6	64.4	63.0	63.5	63.6	62.6	62.7	61.8	62.3	63.3	63.88	
	6	65.6	65.2	64.6	62.6	62.1	61.8	61.9	62.9	62.0	61.7	61.6	62.6	62.88	
	7	—	63.8	63.6	63.4	62.4	62.4	62.4	62.5	62.2	60.8	61.0	61.1	62.8	62.36
	8	65.2	64.8	63.2	63.2	61.6	61.6	61.4	—	—	—	—	—	—	62.77
	9	—	—	—	—	—	—	—	62.0	61.1	62.5	62.0	64.6	—	
	10	67.4	66.3	65.6	64.5	63.5	63.0	63.0	62.9	62.9	62.6	62.6	63.6	65.0	64.18
	11	66.2	66.7	67.1	64.5	63.3	63.0	62.9	62.6	62.3	62.6	62.9	63.3	63.95	
	12	65.8	67.2	66.2	64.6	63.7	63.8	62.4	62.2	63.0	62.2	63.4	64.8	64.11	
	13	67.3	68.6	68.2	66.0	65.1	64.6	64.2	64.4	63.4	63.0	63.0	63.8	65.13	
	14	65.2	65.4	66.2	63.6	62.4	62.1	61.8	61.2	61.4	—	61.0	62.5	62.98	
	15	64.8	65.1	64.3	62.7	62.4	62.0	61.9	—	—	—	—	—	—	
	16	—	—	—	—	—	—	—	62.2	62.0	61.2	61.8	64.9	62.94	
	17	66.2	67.7	67.5	64.3	63.3	62.8	62.6	61.7	61.0	61.2	62.0	63.4	63.64	
	18	66.3	67.4	67.2	64.2	62.9	62.1	62.1	61.8	61.0	60.7	61.4	63.5	63.38	
	19	66.7	66.0	66.8	63.7	60.3	59.7	59.0	59.5	59.7	—	59.1	63.2	62.15	
	20	65.8	64.4	63.7	64.6	62.2	59.8	59.1	58.2	57.5	58.2	58.1	63.2	61.23	
	21	67.7	66.9	68.7	68.0	63.2	62.0	61.0	60.0	59.8	59.7	60.5	63.7	63.43	
	22	66.4	68.9	69.5	67.0	63.1	62.1	62.4	—	—	—	—	—	—	
	23	—	—	—	—	—	—	—	59.2	58.6	57.5	59.0	62.6	63.02	
	24	65.2	68.6	67.4	66.6	61.9	61.6	60.0	59.6	59.2	—	59.3	60.0	62.67	
	25	66.4	67.4	67.4	64.7	61.4	60.4	60.5	59.0	59.2	60.0	60.7	63.5	62.55	
	26	65.5	66.7	66.7	64.1	61.5	61.5	61.6	60.8	61.0	61.0	61.2	62.8	62.87	
	27	65.5	65.7	65.1	63.1	62.0	61.9	61.7	61.2	61.0	60.8	61.3	63.9	62.77	
	28	66.0	64.2	64.1	62.0	61.4	61.0	60.8	60.8	59.8	59.8	60.5	63.1	61.96	
	29	64.8	64.7	—	62.5	61.5	61.0	60.4	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	—	58.4	—	59.5	62.6	61.71	
	31	63.1	64.3	63.9	61.6	61.3	61.0	60.8	60.6	60.6	60.7	60.0	60.8	61.56	
Hourly Means	65.91	66.23	66.08	64.15	62.49	62.02	61.73	61.38	60.90	61.09	61.27	63.37	63.06		
JUNE.	1	62.8	63.8	65.5	63.0	61.5	61.4	60.7	60.8	60.7	61.1	59.7	61.6	61.88	
	2	63.4	64.0	64.8	62.5	61.9	60.5	60.6	60.2	60.6	60.6	60.6	63.0	61.89	
	3	62.4	63.0	63.6	62.3	61.5	61.3	60.7	60.4	60.6	60.5	60.0	61.4	61.47	
	4	63.9	64.1	63.0	62.8	61.5	61.7	61.2	60.6	60.6	60.8	60.7	62.1	61.92	
	5	64.1	64.9	65.0	63.5	61.4	61.4	61.5	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	61.0	60.8	60.8	61.0	63.6	62.42	
	7	67.6	68.8	69.2	66.6	62.5	61.2	61.0	61.2	60.1	61.5	62.0	64.2	63.82	
	8	67.0	66.3	68.6	65.2	63.0	62.0	61.2	60.5	60.5	60.7	60.0	63.7	63.22	
	9	65.5	66.8	66.7	65.6	62.5	61.8	60.8	61.1	60.8	60.2	60.0	63.7	62.96	
	10	65.1	66.2	65.8	63.0	61.6	60.8	61.2	61.1	60.8	60.5	60.4	63.3	62.48	
	11	65.7	65.9	65.4	63.4	61.1	61.0	60.6	59.8	59.6	60.6	61.4	63.2	62.31	
	12	65.3	64.8	63.4	62.2	61.0	60.6	60.2	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	59.1	60.3	58.4	58.0	59.7	61.08	
	14	62.8	60.5	60.0	59.3	57.6	59.0	58.6	58.5	58.8	57.9	58.0	60.4	59.28	
	15	61.5	62.2	62.2	60.3	59.7	59.2	59.5	58.5	58.5	57.6	58.2	59.3	59.72	
	16	61.4	62.1	62.0	60.4	58.7	58.7	58.5	56.8	57.5	58.0	57.3	58.4	59.15	
	17	61.2	61.2	59.5	59.2	58.4	58.4	58.6	59.0	58.8	58.8	58.7	60.6	59.37	
	18	63.4	64.8	62.7	60.6	60.0	59.8	59.4	59.5	59.2	59.1	59.2	61.4	60.76	
	19	62.2	62.6	62.3	61.0	59.7	59.7	59.6	—	—	—	—	—	—	
	20	—	—	—	—	—	—	—	59.8	59.5	59.5	59.6	60.6	60.51	
	21	62.8	63.6	62.7	60.6	59.8	60.0	58.8	58.2	58.4	—	58.3	59.6	60.25	
	22	61.6	—	63.6	60.4	59.9	59.2	59.1	58.9	57.9	58.5	57.9	60.6	59.78	
	23	60.0	59.8	60.7	60.3	58.6	59.0	57.7	57.3	56.6	56.8	56.7	58.9	58.53	
	24	58.5	60.0	60.8	57.9	57.3	57.5	57.1	58.1	57.5	56.7	56.7	58.5	58.05	
	25	60.3	61.5	60.0	59.0	57.5	57.2	57.0	56.0	56.4	56.0	55.2	58.5	57.88	
	26	61.1	61.4	61.5	59.2	57.0	56.8	56.2	—	—	—	—	—	—	
	27	—	—	—	—	—	—	—	57.4	57.5	57.5	58.0	60.8	58.70	
	28	62.0	62.9	62.2	60.5	59.4	58.7	58.6	58.1	58.5	59.1	59.1	59.6	59.89	
	29	62.9	62.9	62.4	61.2	59.3	58.9	58.6	59.0	58.6	58.5	59.0	61.3	60.22	
	30	63.0	63.1	62.4	61.2	60.3	60.2	59.0	59.7	59.7	59.8	60.0	61.2	60.80	
	Hourly Means	62.98	63.49	63.31	61.58	60.10	59.85	59.46	59.25	59.18	59.18	59.07	61.12	60.71	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	61.9	61.7	61.5	60.8	60.3	60.0	59.6	59.4	59.4	59.1	59.4	61.2	60.36
	2	63.2	63.5	63.1	60.4	58.8	59.5	58.8	57.4	58.1	58.2	58.0	59.6	59.88
	3	61.4	61.5	62.8	60.2	58.8	57.9	58.0	—	—	—	—	—	58.52
	4	—	—	—	—	—	—	—	57.1	55.6	56.0	55.7	57.2	
	5	60.6	62.5	63.0	60.5	57.4	57.2	57.2	57.6	57.3	56.5	55.7	60.1	58.80
	6	62.5	63.7	63.0	60.7	59.6	59.3	58.7	58.2	57.8	57.9	57.7	60.5	59.97
	7	62.8	64.0	63.0	61.3	59.5	57.7	57.6	57.2	57.2	58.5	58.6	60.0	59.78
	8	59.9	59.6	60.5	60.7	58.6	58.0	57.9	58.0	58.0	57.2	57.0	57.9	58.61
	9	59.6	62.7	62.4	59.9	57.6	57.1	58.3	58.0	57.8	56.4	56.9	59.5	58.85
	10	60.7	61.0	59.3	59.7	58.3	58.2	57.2	—	—	—	—	—	58.46
	11	—	—	—	—	—	—	—	57.1	57.2	57.6	57.4	57.8	
	12	59.8	61.2	60.7	58.3	57.7	56.9	56.6	56.8	56.0	56.0	56.2	58.4	57.88
	13	60.6	61.4	61.0	58.9	57.5	57.4	56.5	57.1	56.7	56.6	56.2	58.4	58.19
	14	60.2	59.9	61.3	59.0	57.5	57.5	57.2	56.7	56.6	56.0	56.5	57.0	57.95
	15	57.6	60.4	61.0	58.4	57.0	56.8	56.8	56.4	55.0	55.4	54.9	58.3	57.33
	16	59.0	61.7	59.5	58.1	56.7	55.8	55.8	55.4	55.5	55.4	55.5	57.6	57.17
	17	59.4	60.3	60.5	58.7	56.8	56.2	56.2	—	—	—	—	—	57.66
	18	—	—	—	—	—	—	—	56.5	56.7	56.1	55.7	58.8	
	19	60.5	62.1	59.8	58.2	57.3	56.9	56.5	56.0	55.3	55.3	56.0	57.9	57.65
	20	59.1	59.1	60.2	58.2	57.3	56.7	55.8	55.7	56.0	57.2	57.5	59.8	57.72
	21	59.2	63.1	63.0	60.6	59.2	59.0	58.7	58.3	58.0	57.6	57.8	59.0	59.46
	22	59.6	60.7	60.0	57.8	57.0	57.3	57.3	57.2	57.5	56.6	57.1	59.2	58.11
	23	61.1	62.2	61.0	59.1	57.4	57.0	57.0	57.4	56.6	56.5	56.6	59.5	58.45
	24	60.4	61.0	61.0	58.9	57.5	58.0	57.9	—	—	—	—	—	58.94
	25	—	—	—	—	—	—	—	58.3	58.1	58.2	58.2	59.8	
	26	61.6	61.8	61.0	60.4	58.7	58.2	58.5	58.2	58.4	58.4	58.1	59.3	59.38
	27	62.2	63.0	61.1	60.3	59.3	59.0	58.7	58.4	58.4	58.4	56.2	59.8	59.57
	28	62.2	63.0	62.6	60.0	58.4	58.6	58.4	58.2	58.0	57.6	57.7	59.7	59.53
	29	61.6	62.5	62.6	60.3	58.7	58.6	58.1	58.0	57.8	57.6	57.8	58.9	59.37
	30	61.4	61.8	60.0	59.5	58.5	57.5	57.5	57.9	58.2	57.9	58.3	60.0	59.04
	31	61.3	64.0	65.0	63.1	59.9	58.7	58.5	—	—	—	—	—	—
	32	—	—	—	—	—	—	—	58.0	58.1	—	58.0	60.3	60.45
Hourly Means.	60.72	61.83	61.48	59.70	58.19	57.81	57.60	57.43	57.23	57.08	57.06	59.09	58.78	
AUGUST.	2	61.6	62.0	61.9	60.3	58.6	58.0	57.9	58.0	57.9	57.6	57.5	60.0	59.27
	3	61.9	63.5	63.8	61.2	59.6	59.0	59.7	58.2	58.0	58.0	57.9	60.9	60.14
	4	62.8	63.2	62.6	61.1	57.8	57.7	57.7	57.8	57.6	—	57.6	59.5	59.58
	5	60.7	62.6	60.9	61.0	59.2	58.8	58.0	58.0	57.8	58.2	58.2	59.0	59.37
	6	60.0	62.4	62.4	62.4	59.5	58.8	58.6	58.5	58.0	56.0	57.2	59.8	59.47
	7	61.2	62.1	60.8	60.5	59.2	58.6	57.5	—	—	—	—	—	58.89
	8	—	—	—	—	—	—	—	57.5	57.4	57.0	57.0	57.9	
	9	59.2	60.0	59.6	58.8	57.6	57.4	56.8	57.0	56.7	55.7	56.0	58.1	57.74
	10	58.5	59.9	60.0	58.6	57.5	57.1	56.2	56.1	56.0	55.8	56.0	57.5	57.43
	11	59.4	60.9	60.5	58.5	57.5	57.2	57.1	56.6	56.5	56.2	56.4	57.5	57.86
	12	60.2	59.7	59.2	58.0	57.6	57.4	57.4	57.5	57.4	57.1	57.5	58.6	58.13
	13	60.2	61.3	60.1	58.8	58.0	57.8	58.3	57.9	57.8	58.0	58.4	59.8	58.87
	14	59.7	61.2	61.2	59.3	58.8	58.6	58.5	—	—	—	—	—	59.03
	15	—	—	—	—	—	—	—	58.4	58.0	57.8	57.6	59.3	
	16	61.6	62.2	62.2	59.4	58.5	58.5	58.0	57.7	56.4	57.6	57.6	58.8	59.04
	17	57.8	59.6	60.9	59.0	58.1	57.4	57.5	57.0	57.1	57.2	57.6	58.6	58.15
	18	59.8	62.5	60.4	59.2	58.1	57.7	57.7	57.4	56.8	54.4	54.5	59.5	58.17
19	61.9	—	63.5	61.0	57.2	56.2	55.6	55.6	53.9	55.0	55.6	58.4	57.63	
20	60.3	61.0	60.1	58.6	57.0	56.4	56.1	55.9	54.7	55.3	54.8	57.5	57.31	
21	60.2	61.8	61.6	58.3	56.7	57.0	55.8	—	—	—	—	—	58.13	
22	—	—	—	—	—	—	—	56.4	56.5	56.6	57.0	59.7		
23	61.5	62.6	60.6	58.2	56.2	57.2	56.7	56.5	56.2	56.1	55.6	56.6	57.83	
24	59.0	59.0	59.7	57.3	55.7	55.8	56.0	55.9	56.2	56.1	56.4	57.7	57.07	
25	59.6	59.2	60.3	58.3	56.9	56.4	—	56.2	56.2	56.3	56.5	58.7	57.69	
26	61.2	60.6	61.1	58.8	57.7	57.5	57.0	57.0	57.0	56.8	57.0	58.7	58.37	
27	61.3	63.6	63.0	60.0	58.0	57.7	57.0	57.0	56.6	56.8	57.0	58.9	58.91	
28	62.0	63.6	63.0	60.4	57.3	57.5	57.2	—	—	—	—	—	58.50	
29	—	—	—	—	—	—	—	56.2	55.6	55.7	55.7	57.8		
30	57.9	58.0	58.3	57.2	56.2	55.6	55.2	55.5	55.7	55.6	55.7	56.1	56.42	
31	59.3	61.4	60.7	58.1	57.4	56.5	55.4	56.4	56.1	56.1	56.3	57.2	57.57	
Hourly Means	60.34	61.36	61.09	59.32	57.77	57.45	57.16	57.01	56.70	56.52	56.72	58.54	58.33	



STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
SEPTEMBER.	1	61.2	60.7	59.9	58.1	56.8	56.7	56.4	56.6	56.9	56.2	55.7	56.7	57.66
	2	60.2	61.5	60.6	58.7	56.4	55.5	55.2	54.6	54.2	—	55.0	56.7	57.15
	3	59.0	59.8	59.3	57.0	55.5	55.6	55.4	55.3	55.3	55.2	54.4	55.7	56.46
	4	59.3	61.6	59.5	57.2	55.5	55.8	55.5	—	—	—	—	—	57.27
	5	—	—	—	—	—	—	—	56.6	56.2	56.1	55.7	58.2	
	6	60.2	61.7	61.5	59.2	57.6	57.0	56.7	56.8	56.6	56.4	56.9	59.2	58.32
	7	63.2	58.0	61.0	59.6	57.7	57.3	57.0	56.8	56.5	56.8	57.5	58.7	58.34
	8	62.7	62.9	61.5	59.5	57.6	57.5	57.0	57.3	56.1	56.5	57.0	58.7	58.69
	9	62.0	63.3	60.8	59.5	58.1	57.6	57.5	57.5	57.2	57.0	57.4	58.0	58.82
	10	59.1	60.0	58.6	57.5	57.3	56.5	57.1	56.9	56.7	56.8	56.9	57.8	57.60
	11	58.3	59.4	59.4	57.8	57.3	57.4	57.2	—	—	—	—	—	57.20
	12	—	—	—	—	—	—	—	56.1	55.6	55.8	55.3	56.8	
	13	60.1	59.8	59.2	57.5	56.1	55.8	55.5	56.0	54.9	54.3	55.1	57.0	56.77
	14	59.7	59.7	60.4	58.6	56.4	56.2	56.1	55.2	55.7	54.2	55.2	58.1	57.12
	15	61.7	62.7	62.2	59.4	57.0	57.0	56.8	55.9	55.7	55.5	56.0	59.0	58.24
	16	60.4	59.5	58.6	57.8	56.0	56.0	55.7	55.4	55.0	55.3	54.7	56.6	56.75
	17	59.7	61.1	57.9	57.7	55.6	55.4	55.3	55.2	54.3	54.3	55.2	57.0	56.56
	18	61.1	62.3	64.7	62.1	58.8	57.2	—	—	—	—	—	—	59.57
	19	—	—	—	—	—	—	—	57.4	56.9	56.6	57.2	61.0	
	20	62.2	63.2	63.4	60.9	58.5	58.0	57.6	57.6	57.4	57.0	57.6	57.6	59.25
	21	59.0	60.6	61.2	59.1	58.0	57.9	57.1	56.1	55.9	55.4	55.7	57.0	57.75
	22	58.2	59.8	60.1	56.8	55.8	56.3	56.2	55.5	55.0	54.9	54.4	55.4	56.53
	23	57.1	61.0	57.9	57.5	55.5	55.6	55.4	55.2	55.2	54.5	55.1	56.5	56.37
	24	58.3	59.7	58.8	57.4	55.7	56.1	55.8	55.2	55.1	55.0	55.0	56.9	56.58
	25	60.5	60.8	60.5	—	56.2	55.9	55.6	—	—	—	—	—	57.08
	26	—	—	—	—	—	—	—	55.4	55.0	55.0	55.4	57.6	
	27	61.1	62.1	60.8	58.2	56.5	55.9	55.8	55.4	54.7	54.4	54.6	56.8	57.19
	28	58.5	60.5	58.8	56.8	56.2	56.2	55.9	55.7	55.7	—	56.4	58.1	57.16
	29	61.8	62.6	62.4	59.5	57.6	56.7	56.7	56.5	56.4	56.2	56.5	58.0	58.41
	30	60.2	61.0	60.2	58.2	56.5	56.7	56.8	56.4	56.3	55.9	56.2	58.5	57.74
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	60.18	60.97	60.35	58.46	56.78	56.53	56.29	56.10	55.79	55.64	55.85	57.60	57.56	
OCTOBER.	1	60.8	62.0	61.2	58.4	56.9	56.6	56.0	55.5	55.4	54.8	55.1	57.7	57.53
	2	60.5	60.2	59.3	57.8	56.4	56.1	56.2	—	—	—	—	—	57.34
	3	—	—	—	—	—	—	—	56.2	56.1	55.9	56.0	57.4	
	4	58.6	60.3	59.0	58.0	56.5	56.5	56.1	55.7	55.8	55.0	55.7	57.2	57.03
	5	58.5	58.5	58.2	57.2	56.0	56.5	55.9	55.1	55.7	56.2	55.9	57.3	56.75
	6	58.7	61.1	60.8	58.2	56.8	56.6	56.4	55.8	55.8	55.4	56.6	58.7	57.57
	7	61.5	61.1	60.2	58.4	56.7	56.4	55.9	55.9	55.5	55.5	56.2	58.8	57.67
	8	61.3	63.0	62.6	58.8	57.1	56.6	55.5	56.5	56.2	—	56.8	59.7	58.55
	9	62.2	63.0	63.2	60.2	57.8	57.8	57.4	—	—	—	—	—	58.69
	10	—	—	—	—	—	—	—	56.5	56.1	56.0	56.0	58.1	
	11	58.1	60.6	61.1	59.1	57.0	56.6	56.6	55.6	55.1	55.7	56.0	59.3	57.57
	12	61.0	62.2	58.3	56.2	55.5	55.6	55.0	54.8	54.2	54.0	55.1	57.3	56.60
	13	59.7	61.6	60.3	57.0	56.1	55.5	55.9	55.1	54.4	54.3	55.2	55.6	56.72
	14	58.0	60.1	58.6	56.5	—	55.4	55.9	55.0	54.6	56.2	54.9	55.6	56.44
	15	59.5	58.8	59.6	58.0	56.5	56.0	55.6	55.3	55.8	55.1	55.3	57.0	56.87
	16	60.9	60.6	61.9	58.8	57.0	56.3	56.3	—	—	—	—	—	57.72
	17	—	—	—	—	—	—	—	55.7	55.6	56.0	55.2	58.3	
	18	62.5	62.7	60.8	58.5	56.8	56.5	55.7	55.7	55.0	55.5	55.6	58.5	57.82
	19	61.7	63.2	60.7	58.3	56.6	56.1	56.6	55.8	55.5	55.0	55.3	58.0	57.73
	20	60.8	61.4	60.2	58.4	57.2	56.6	56.8	56.3	56.3	56.1	56.7	57.6	57.87
	21	60.0	63.6	61.9	59.2	57.4	57.1	56.5	56.2	56.1	55.2	56.6	60.0	58.32
	22	61.9	64.2	60.9	58.7	57.0	56.1	55.7	54.8	54.8	54.4	55.3	—	57.62
	23	61.4	62.0	63.1	60.3	57.0	56.1	55.6	—	—	—	—	—	58.12
	24	—	—	—	—	—	—	—	56.0	55.4	55.3	56.0	59.3	
	25	63.0	66.3	65.0	62.4	57.5	56.4	56.1	55.6	55.5	55.3	56.3	58.6	59.00
	26	61.8	62.5	61.5	59.0	57.2	56.8	56.5	56.0	55.6	55.8	56.5	58.7	58.16
	27	61.3	62.3	62.1	58.5	56.8	55.9	55.4	55.4	55.2	55.0	56.2	58.6	57.72
	28	60.9	63.2	62.8	59.5	57.3	57.0	57.0	56.6	56.3	56.5	57.6	59.6	58.69
	29	59.2	61.1	58.6	58.6	57.1	57.1	56.8	56.5	56.5	56.5	57.0	58.7	57.81
	30	62.5	63.5	62.7	60.5	58.0	57.5	57.0	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	56.5	56.1	56.3	56.9	58.3	58.82
Hourly Means	60.63	61.89	60.95	58.63	56.89	56.45	56.17	55.77	55.56	55.48	56.00	58.16	57.72	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
	23	1	3	5	7	9	11	13	15	17	19	21		
NOVEMBER.	1	61.8	61.0	60.0	58.8	57.0	57.0	56.7	56.7	56.3	56.1	56.4	57.8	57.97
	2	62.7	62.0	60.9	58.6	57.5	57.5	57.0	56.6	56.4	56.1	57.1	58.7	58.42
	3	61.7	62.9	61.3	59.8	58.3	58.5	58.0	—	—	56.9	57.1	58.7	59.32
	4	59.5	59.5	61.3	59.9	57.8	57.6	57.0	56.5	56.7	56.1	56.9	58.6	58.12
	5	61.2	61.2	59.9	57.9	56.9	57.0	56.6	56.3	56.2	55.6	56.3	58.2	57.77
	6	61.1	63.8	63.3	59.8	57.7	56.7	56.4	—	—	—	—	—	58.47
	7	—	—	—	—	—	—	—	56.1	55.7	55.3	56.2	59.5	58.47
	8	63.0	65.3	65.0	62.0	58.3	57.2	56.8	56.1	56.7	56.8	56.9	60.3	59.53
	9	62.5	64.7	66.0	64.0	58.7	58.4	57.6	57.0	56.6	56.3	57.3	60.6	59.97
	10	64.2	67.4	65.5	62.2	60.0	59.2	59.0	58.1	58.0	58.5	59.3	61.6	61.08
	11	62.1	65.0	65.7	63.6	60.2	59.7	59.0	58.5	57.9	57.3	58.4	62.2	60.80
	12	64.8	66.5	65.5	62.5	59.5	57.7	57.6	57.2	57.0	56.9	58.1	60.1	60.28
	13	64.8	66.0	67.0	64.4	60.1	59.4	59.0	—	—	—	—	—	61.50
	14	—	—	—	—	—	—	—	58.5	58.6	58.9	59.7	61.6	61.50
	15	65.1	65.0	66.3	64.9	60.7	59.7	59.4	59.2	59.2	59.2	60.2	62.6	61.79
	16	65.6	65.9	66.6	62.0	60.6	61.4	60.1	59.5	59.3	59.6	60.0	61.7	61.86
	17	64.4	66.3	64.7	61.6	60.8	60.1	60.1	60.0	59.0	59.6	58.7	62.6	61.49
	18	63.9	65.6	65.4	62.3	60.6	60.2	59.2	59.0	58.7	58.6	58.4	60.1	61.00
	19	64.2	—	65.7	64.0	60.0	59.1	59.0	58.5	58.2	—	57.4	60.0	60.61
	20	64.0	—	64.0	61.2	59.0	59.6	58.3	—	—	—	—	—	60.06
	21	—	—	—	—	—	—	—	58.4	58.3	58.2	58.5	61.2	60.06
	22	65.8	66.9	68.2	66.6	61.2	59.7	59.5	58.6	58.7	58.3	60.5	64.6	62.38
	23	67.4	68.8	69.4	63.7	60.8	60.0	59.6	59.4	59.6	59.3	60.4	65.7	62.84
	24	67.6	68.2	65.8	62.6	61.2	61.0	60.3	59.7	59.4	59.4	60.1	61.9	62.27
	25	63.4	67.0	66.6	63.4	60.6	60.3	59.8	59.6	59.4	59.0	59.9	63.4	61.87
	26	65.1	66.2	65.8	63.2	60.3	60.7	60.4	60.4	60.0	59.9	61.2	63.3	62.21
	27	67.6	71.4	68.2	64.6	62.3	61.7	61.4	—	—	—	—	—	63.27
	28	—	—	—	—	—	—	—	60.4	60.0	59.2	59.7	62.7	62.55
	29	64.6	66.6	66.6	63.4	61.4	61.2	61.6	61.4	60.1	60.2	60.7	62.8	62.55
	30	63.5	67.6	67.6	63.5	61.6	61.0	61.0	59.6	59.8	59.4	60.0	63.5	62.34
Hourly Means	63.91	65.45	65.09	62.33	59.73	59.29	58.86	58.45	58.23	58.03	58.67	61.31	60.77	
DECEMBER.	1	65.0	67.3	67.9	64.7	61.4	61.0	60.8	60.1	60.3	59.8	61.2	64.5	62.83
	2	68.2	68.2	67.6	64.0	61.9	61.5	61.1	61.0	60.2	59.2	60.5	64.2	63.13
	3	64.8	68.5	70.3	65.5	62.3	61.4	61.2	60.8	60.7	60.2	61.4	63.5	63.38
	4	65.6	69.0	70.6	66.2	62.6	61.6	61.3	—	—	—	—	—	63.51
	5	—	—	—	—	—	—	—	60.8	60.0	60.2	60.9	63.3	63.51
	6	64.9	67.7	69.6	64.9	61.6	61.2	61.1	60.8	60.5	60.5	61.0	64.9	63.22
	7	68.3	66.2	67.0	64.2	62.0	61.7	61.5	61.5	61.5	61.0	61.4	63.2	63.29
	8	64.7	65.4	66.7	63.2	61.6	61.2	60.9	60.5	59.8	59.8	60.6	61.0	62.12
	9	62.6	68.4	66.9	64.5	61.6	60.6	59.9	60.0	59.8	60.0	60.0	62.5	62.23
	10	66.3	69.5	65.4	63.7	61.1	60.9	60.6	60.6	60.0	60.4	61.3	65.0	62.90
	11	67.8	68.8	67.0	65.5	61.6	60.8	60.1	—	—	—	—	—	62.89
	12	—	—	—	—	—	—	—	60.1	60.3	60.0	59.4	63.3	62.89
	13	63.2	66.4	68.8	64.4	61.0	60.8	60.5	60.5	60.2	60.2	61.6	65.6	62.77
	14	66.6	—	65.4	65.0	61.6	60.9	60.4	59.9	59.5	59.6	60.8	63.2	62.08
	15	65.5	68.0	69.9	66.2	62.2	61.6	60.7	61.5	61.0	61.0	61.6	63.8	63.58
	16	66.9	66.3	66.2	64.2	61.6	60.7	61.0	60.8	60.0	60.6	61.1	63.5	62.74
	17	66.6	70.5	69.5	64.8	62.4	61.9	61.9	61.0	60.8	61.3	60.8	62.0	63.62
	18	62.2	67.4	67.7	63.4	61.6	61.0	60.5	—	—	—	—	—	62.13
	19	—	—	—	—	—	—	—	59.6	59.6	60.0	60.0	62.6	62.13
	20	67.0	68.4	69.4	65.1	61.9	61.3	60.8	60.7	60.5	60.3	60.3	63.7	63.28
	21	63.1	69.6	66.9	63.9	61.8	61.4	61.6	60.5	60.2	60.2	60.8	61.0	62.58
	22	65.1	66.2	64.3	63.3	61.4	61.0	60.8	60.7	60.2	60.2	60.6	62.0	62.15
	23	66.0	68.6	66.4	66.5	61.8	61.0	61.0	60.3	60.3	60.0	60.9	64.4	63.10
	24	67.2	67.6	68.1	66.1	61.9	61.1	60.9	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	62.86
	26	—	—	—	—	—	—	—	60.2	59.6	59.6	59.7	62.3	62.86
	27	61.2	62.5	67.0	63.2	60.2	60.2	60.6	60.1	59.7	60.0	60.7	63.1	61.54
	28	65.5	66.0	65.4	64.4	61.9	61.2	61.2	60.4	59.5	59.4	59.8	61.7	62.20
	29	62.3	65.6	65.3	62.5	60.6	60.9	60.6	60.0	59.6	59.7	60.0	61.5	61.55
	30	63.2	68.5	69.0	65.1	62.3	61.6	61.2	60.6	60.0	60.6	61.0	63.9	63.08
	31	67.0	67.4	67.3	64.7	62.3	61.6	61.0	60.5	60.5	60.0	60.2	64.0	63.04
Hourly Means	65.26	67.52	67.52	64.58	61.70	61.16	60.89	60.52	60.17	60.15	60.68	63.22	62.76	

<sup>a</sup> Christmas day.

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
	23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer. JANUARY.	1	61.6	61.8	62.5	60.2	59.6	60.4	60.6	60.7	60.8	58.7	61.4	62.4	60.89
	2	62.8	63.1	63.1	62.5	61.8	61.4	58.6	—	—	—	—	—	61.07
	3	—	—	—	—	—	—	—	59.6	59.5	60.0	60.4	60.1	
	4	61.8	62.4	62.7	61.6	60.6	59.9	60.2	59.8	60.5	60.7	59.8	60.7	60.89
	5	61.6	62.4	61.4	60.3	59.7	58.8	59.6	58.6	59.4	59.0	59.9	60.2	60.07
	6	61.8	62.2	62.5	60.8	60.5	60.5	60.8	60.0	60.6	60.2	61.0	62.4	61.11
	7	62.9	63.6	62.6	62.2	62.0	61.4	60.4	59.6	58.0	58.4	59.2	60.7	60.92
	8	62.6	63.0	62.5	61.5	60.3	59.4	59.0	56.6	55.8	56.5	58.7	57.9	59.48
	9	59.8	66.4	61.4	60.9	60.2	60.0	59.4	—	—	—	—	—	60.56
	10	—	—	—	—	—	—	—	59.4	59.5	59.1	59.6	61.0	
	11	61.8	61.9	61.5	60.7	59.7	59.0	59.3	58.4	58.5	58.4	58.0	59.2	59.70
	12	61.4	62.4	61.4	60.5	60.0	58.8	59.4	58.2 <sup>a</sup>	57.8	57.6	57.8	60.7	59.67
	13	61.4	62.1	61.6	60.6	60.5	60.3	59.6	57.5	56.3	57.6	57.1	60.8	59.62
	14	61.4	61.0	62.0	60.2	59.5	58.8	59.6	58.4	59.6	57.3	57.6	59.4	59.57
	15	62.0	62.2	61.4	61.5	60.2	60.6	61.0	60.7	60.2	60.5	60.6	60.6	60.96
	16	61.8	61.8	61.5	60.4	61.4	61.4	60.3	—	—	—	—	—	60.35
	17	—	—	—	—	—	—	—	59.8	57.2	58.6	59.0	61.0	
	18	60.6	—	61.8	61.9	60.1	60.6	59.9	59.6	59.7	60.1	59.7	60.9	60.44
	19	61.0	61.7	60.9	60.7	60.3	60.4	59.7	60.2	59.9	59.9	59.1	60.6	60.37
	20	63.9	62.9	62.3	62.6	61.4	60.5	61.4	61.0	59.6	59.0	60.8	60.6	61.33
	21	62.0	62.0	62.4	62.0	60.4	59.2	61.6	59.9	56.8	60.4	61.1	61.6	60.78
	22	63.7	64.3	62.8	63.8	61.8	62.2	62.0	61.8	62.2	—	60.4	63.5	62.59
	23	64.4	64.4	64.6	63.9	64.0	62.4	62.9	—	—	—	—	—	61.44
	24	—	—	—	—	—	—	—	60.4	58.2	57.2	56.3	58.6	
	25	59.6	60.8	61.0	58.9	56.7	57.4	57.8	58.7	58.6	57.6	59.1	60.1	58.86
	26	61.7	62.2	62.2	60.4	59.8	60.8	60.6	61.1	58.9	57.5	60.7	62.7	60.73
	27	62.0	62.2	62.8	62.8	61.6	61.3	61.4	61.0	59.8	61.1	60.8	62.3	61.59
	28	63.4	63.1	62.8	62.0	61.2	61.4	61.4	61.0	60.0	60.3	61.2	61.9	61.64
	29	62.9	62.3	62.9	62.5	61.2	62.4	62.0	62.0	61.7	61.4	60.6	63.4	62.11
	30	63.2	64.6	64.3	63.8	63.0	63.4	62.0	—	—	—	—	—	62.80
	31	—	—	—	—	—	—	—	61.9	61.6	61.6	61.9	62.3	
Hourly Means.	62.04	62.67	62.27	61.51	60.67	60.49	60.40	59.91	59.26	59.15	59.68	60.98	60.75	
Dry Thermometer. JANUARY.	1	65.8	68.3	69.4	65.3	62.4	62.4	62.2	62.0	61.8	60.4	62.5	66.1	64.05
	2	69.2	69.1	68.4	65.7	63.6	62.7	61.8	—	—	—	—	—	64.21
	3	—	—	—	—	—	—	—	61.4	61.4	61.5	62.2	63.5	
	4	67.0	68.4	68.5	66.9	63.2	62.2	62.2	61.8	61.8	62.0	61.0	62.0	63.92
	5	64.4	66.4	65.7	64.2	62.3	61.2	61.6	60.0	60.4	60.3	60.5	61.2	62.35
	6	65.0	65.6	63.5	61.6	61.4	61.3	61.5	60.6	61.0	60.6	61.3	62.8	62.18
	7	63.5	65.3	63.8	62.8	62.4	61.8	61.0	60.3	60.3	60.6	60.7	63.8	62.19
	8	67.6	67.6	66.3	64.0	62.4	61.6	61.3	60.4	60.6	60.8	60.8	62.8	63.02
	9	66.5	68.4	67.7	64.2	62.4	61.8	61.3	—	—	—	—	—	63.56
	10	—	—	—	—	—	—	—	61.6	61.0	60.7	61.6	65.5	
	11	67.6	67.1	66.4	64.1	62.6	61.7	61.6	61.0	60.8	60.7	61.1	65.4	63.34
	12	65.8	69.9	66.2	66.1	63.0	61.8	61.6	61.1 <sup>a</sup>	60.5	61.2	62.1	65.4	63.72
	13	67.6	68.4	67.6	64.9	62.8	62.3	61.7	61.2	61.2	60.9	62.1	65.2	63.83
	14	67.6	67.3	64.9	64.0	61.6	60.8	61.2	60.4	60.8	59.5	61.8	61.0	62.58
	15	68.8	70.1	67.8	64.7	63.2	62.4	62.5	62.2	61.5	61.9	61.2	64.5	64.23
	16	65.6	69.6	66.9	65.4	63.8	63.3	62.4	—	—	—	—	—	63.87
	17	—	—	—	—	—	—	—	61.8	61.2	61.2	61.3	63.9	
	18	67.8	—	67.9	67.7	63.0	62.6	61.9	61.3	60.7	60.7	60.6	62.3	63.32
	19	64.5	66.4	66.1	64.1	62.5	62.4	61.8	62.1	61.4	60.9	60.6	62.8	62.97
	20	67.0	66.4	64.0	64.6	63.0	62.0	62.5	62.2	61.3	60.0	61.7	63.0	63.14
	21	67.3	67.7	67.7	65.7	63.4	62.1	62.6	61.6	60.0	62.0	62.7	66.4	64.10
	22	68.6	69.3	68.0	66.0	64.2	63.7	63.1	62.8	63.0	—	63.0	65.7	65.22
	23	68.2	69.8	69.9	65.7	64.2	63.1	63.4	—	—	—	—	—	64.67
	24	—	—	—	—	—	—	—	62.4	61.8	61.8	61.8	63.9	
	25	66.0	68.5	68.7	65.0	62.6	62.1	62.2	61.6	61.2	62.4	62.5	65.2	64.00
	26	67.0	64.2	62.2	63.0	61.8	62.5	61.9	62.3	61.4	61.5	62.8	64.8	62.95
	27	66.6	68.4	68.7	64.6	63.4	62.3	62.0	61.7	61.5	62.0	62.2	66.2	64.13
	28	67.9	66.3	68.0	65.0	64.0	63.4	63.1	62.0	61.2	61.5	62.7	65.2	64.19
	29	68.2	66.4	70.2	68.9	64.8	64.8	64.0	63.4	63.0	62.6	63.1	65.6	65.42
	30	65.1	70.5	69.5	69.5	64.7	64.6	63.8	—	—	—	—	—	65.59
	31	—	—	—	—	—	—	—	63.6	63.3	63.2	63.6	65.7	
Hourly Means	66.78	67.82	67.08	65.14	63.03	62.42	62.16	61.67	61.31	61.24	61.83	64.23	63.72	

<sup>a</sup> Omitted in the hourly means.

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	FEBRUARY.	1	62.2	62.6	62.0	62.7	60.7	61.4	61.6	58.6	59.3	60.6	62.5	62.8	61.42
		2	63.0	64.2	64.2	60.4	60.1	59.6	59.6	—	59.0	58.8	60.0	60.8	60.88
		3	63.0	61.5	62.5	59.7	60.0	59.0	59.6	58.8	58.8	58.4	61.0	61.0	60.27
		4	62.0	64.8	63.4	62.8	—	59.2	59.3	58.6	59.7	60.6	60.6	62.4	61.22
		5	64.3	63.9	60.4	62.0	61.5	60.4	61.3	62.0	—	60.4	61.2	62.5	61.81
		6	62.8	64.1	63.6	62.4	61.2	61.8	62.8	—	—	—	—	—	63.02
		7	—	—	—	—	—	—	—	63.3	62.6	62.8	63.3	65.6	63.80
		8	66.5	64.8	64.2	65.2	63.8	63.5	63.8	63.0	62.6	62.6	61.8	63.8	62.78
		9	63.8	63.4	65.4	62.2	63.4	62.8	62.3	61.2	61.7	—	61.6	62.8	61.57
		10	62.6	63.6	63.4	62.4	61.6	61.8	61.7	58.4	59.6	60.8	61.1	61.9	62.31
		11	62.8	62.6	63.5	63.4	62.6	62.4	62.6	62.2	62.8	60.0	59.4	63.4	62.28
		12	63.9	63.9	63.6	63.6	62.3	61.4	61.5	61.0	61.8	62.1	62.0	60.3	62.35
		13	62.1	63.7	62.3	63.4	63.5	63.0	62.0	—	—	—	—	—	62.97
		14	—	—	—	—	—	—	—	61.6	61.2	59.6*	62.2	63.6	64.14
		15	62.4	63.3	64.8	64.0	63.0	62.0	62.8	63.4	62.9	60.5	62.9	63.7	63.55
		16	64.7	66.3	65.2	65.3	63.8	64.4	63.4	63.4	63.1	63.2	62.9	64.0	64.47
		17	64.0	65.2	65.4	63.5	63.2	63.6	63.0	62.7	63.0	62.0	62.5	64.5	65.69
		18	65.4	66.4	66.3	64.7	64.4	64.4	62.8	64.1	62.5	63.0	64.2	65.4	65.27
		19	65.2	66.8	65.6	65.6	65.5	66.2	65.6	65.0	65.2	65.4	65.5	66.7	63.91
		20	66.6	67.0	66.7	66.6	65.4	63.8	65.0	—	—	—	—	—	62.70
		21	—	—	—	—	—	—	—	64.2	64.1	64.0	64.6	65.2	62.85
		22	65.6	66.3	65.5	64.4	63.5	64.0	63.6	64.1	62.9	61.4	62.3	63.3	65.19
		23	63.9	65.3	63.6	63.5	62.2	62.3	62.4	62.4	61.0	60.8	61.6	63.4	64.47
		24	63.8	64.9	64.1	62.0	62.0	61.9	62.0	62.8	63.2	62.4	60.8	64.3	63.97
		25	66.2	66.0	66.3	65.7	65.1	65.4	65.4	64.8	64.1	63.6	64.5	65.2	64.28
		26	66.0	66.4	66.0	65.2	64.4	64.2	63.9	63.1	63.3	63.6	63.4	64.2	63.06
		27	64.4	64.2	63.4	63.1	62.5	62.8	63.0	—	—	—	—	—	63.06
		28	—	—	—	—	—	—	—	64.8	64.5	64.6	64.8	65.6	63.06
Hourly Means	64.05	64.63	64.22	63.49	62.86	62.55	62.54	62.33	62.13	61.89	62.36	63.60	63.06		
Dry Thermometer.	FEBRUARY.	1	70.8	72.2	71.0	70.0	67.3	64.8	64.2	61.8	62.4	63.2	64.5	65.8	66.50
		2	68.0	71.0	69.9	68.0	65.3	63.3	62.5	—	61.4	60.7	61.7	65.6	65.22
		3	70.2	70.6	71.1	68.6	65.2	63.0	62.5	61.3	61.2	60.8	63.8	68.2	65.54
		4	70.7	71.4	70.8	69.8	—	63.3	62.8	62.0	62.6	63.0	63.2	66.3	65.99
		5	66.9	69.7	68.4	68.6	65.0	64.0	63.6	64.2	—	62.4	63.8	67.1	65.79
		6	64.6	65.5	66.9	68.0	65.0	64.4	64.5	—	—	—	—	—	65.25
		7	—	—	—	—	—	—	—	64.7	64.2	64.2	64.3	66.7	66.42
		8	70.2	73.0	71.5	66.6	65.0	65.0	65.0	64.3	64.0	63.6	63.5	65.4	66.55
		9	69.8	71.4	70.8	66.1	65.5	64.9	64.4	63.7	63.8	—	64.2	67.4	64.87
		10	66.8	66.0	68.3	66.1	64.8	64.2	64.0	63.0	64.0	64.0	62.8	64.4	66.18
		11	68.9	71.0	71.6	67.6	65.2	64.8	64.6	64.0	64.0	62.8	63.3	66.2	65.57
		12	69.6	65.6	69.5	70.2	65.0	64.0	63.0	63.0	63.8	63.9	64.0	65.3	66.68
		13	69.5	71.0	71.0	69.0	66.3	65.4	64.7	—	—	—	—	—	67.33
		14	—	—	—	—	—	—	—	63.8	63.6	63.4*	65.2	67.2	66.29
		15	69.6	72.2	72.0	71.0	67.0	65.5	65.2	65.2	64.6	64.1	64.4	67.2	65.55
		16	69.6	69.0	70.7	67.4	65.6	65.6	65.1	64.7	64.1	64.0	64.0	66.7	65.56
		17	66.0	68.8	68.6	67.0	64.8	64.4	64.8	63.8	64.0	63.4	64.3	66.6	66.32
		18	69.3	68.1	67.7	65.2	64.8	64.8	63.3	64.7	63.2	64.2	64.8	66.8	66.06
		19	67.6	69.0	66.9	66.0	65.6	66.3	65.8	65.1	65.4	65.6	65.7	66.8	65.42
		20	67.3	68.7	67.9	67.1	66.1	65.4	65.6	—	—	—	—	—	64.38
		21	—	—	—	—	—	—	—	64.8	64.6	64.4	65.0	65.8	65.45
		22	67.2	68.4	68.2	65.8	65.0	65.2	65.0	64.6	64.0	63.1	63.9	64.6	66.96
		23	65.4	66.6	66.0	65.7	64.2	63.9	63.8	63.6	62.3	62.6	63.1	65.4	65.22
		24	67.0	66.9	68.0	67.2	64.9	64.3	64.0	64.1	64.2	63.6	63.4	67.8	64.97
		25	68.6	70.4	70.6	70.0	66.8	66.3	66.1	65.4	64.8	64.1	64.8	65.6	64.97
		26	66.8	67.2	67.0	65.8	65.1	64.8	64.6	64.8	63.8	64.2	63.8	64.8	65.22
		27	65.6	65.0	64.9	65.2	64.4	64.4	64.3	—	—	—	—	—	65.83
		28	—	—	—	—	—	—	—	65.2	64.8	64.9	65.0	65.9	65.83
Hourly Means	68.17	69.11	69.14	67.58	65.39	64.67	64.31	63.99	63.69	63.49	64.02	66.19	65.83		

\* Not included in the hourly means.

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
	Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19		21	
Wet Thermometer.	MARCH.	1	66.5	67.2	66.6	66.1	65.6	65.6	65.4	65.3	65.2	65.4	65.4	65.7	65.83
		2	66.7	66.9	66.3	65.8	65.0	64.2	65.0	63.8	63.8	63.8	63.8	64.8	64.99
		3	67.0	65.8	65.5	66.0	63.8	63.1	63.0	62.4	62.0	61.6	62.4	62.8	63.78
		4	63.7	64.4	64.1	63.4	62.9	63.2	64.0	63.8	63.0	62.6	62.4	64.6	63.51
		5	64.8	65.6	65.5	64.9	63.8	63.8	64.8	62.6	61.5	—	63.8	65.4	64.23
		6	66.2	66.2	63.6	62.8	63.4	64.0	64.0	—	—	—	—	—	63.96
		7	—	—	—	—	—	—	—	62.4	62.4	62.9	64.1	65.5	64.47
		8	66.4	66.2	66.6	65.6	64.0	63.8	63.4	63.2	62.3	63.4	63.6	65.1	63.62
		9	65.4	64.7	—	63.4	64.0	63.4	63.2	62.4	62.6	62.8	—	64.3	64.73
		10	65.8	66.0	67.2	67.3	64.2	63.3	62.8	62.9	62.8	63.3	64.9	66.3	66.8
		11 <sup>a</sup>	68.9	68.2	—	—	—	65.4	65.8	66.3	65.0	66.4	66.3	66.8	66.56
		12	66.9	67.8	67.2	67.1	66.4	66.7	66.0	65.6	65.6	65.8	66.5	67.1	64.59
		13	67.6	66.4	66.5	64.7	64.0	64.1	63.0	—	—	—	—	—	66.08
		14	—	—	—	—	—	—	—	62.6	62.7	64.6	64.6	64.3	66.20
		15	67.2	66.4	66.6	66.4	65.4	65.8	65.3	66.1	66.0	66.2	64.5	67.1	66.37
		16	67.4	67.8	66.5	66.1	66.0	66.0	66.0	65.4	65.2	65.8	65.4	66.8	66.27
		17	67.2	67.4	67.2	66.8	66.3	66.3	66.0	65.6	65.0	65.5	65.9	67.2	64.39
		18	67.8	68.3	67.6	66.3	66.5	65.6	66.2	65.6	65.3	64.6	65.2	66.2	62.65
		19	66.2	66.5	66.4	65.2	65.2	63.3	63.7	63.1	63.2	63.2	63.4	63.3	63.68
		20	64.5	64.6	64.8	62.6	62.4	61.4	61.9	—	—	—	—	—	64.27
		21	—	—	—	—	—	—	—	62.6	62.3	60.7	61.2	62.8	63.37
		22	64.7	64.8	64.8	63.8	63.4	63.6	62.6	64.2	62.2	63.6	62.4	64.1	62.39
		23	64.2	65.9	66.0	65.4	64.0	64.2	63.7	63.6	63.2	63.0	64.0	64.1	64.32
		24	65.1	65.5	64.6	64.6	63.3	63.1	62.6	62.8	61.7	63.4	60.6	63.1	65.72
		25	64.4	64.8	65.2	63.8	62.2	61.8	61.4	60.6	61.4	59.1	60.8	63.2	65.62
		26	65.4	67.5	68.0	66.2	63.2	62.8	61.6	63.2	62.6	62.6	63.3	65.4	65.09
		27	67.9	68.4	68.9	67.4	65.9	65.8	65.1	—	—	—	—	—	65.23
		28	—	—	—	—	—	—	—	63.6	64.2	62.8	63.2	65.4	—
		29	68.0	69.0	69.2	67.6	65.6	64.4	63.1	63.6	63.4	64.2	64.0	65.4	—
		30	66.9	67.6	68.8	66.6	65.0	63.8	64.3	63.1	62.7	63.6	63.0	65.7	—
		31	68.5	68.3	67.8	66.2	64.4	64.4	64.8	63.4	63.2	62.4	62.8	66.6	—
Hourly Means	66.34	66.60	66.46	65.47	64.46	64.18	64.03	63.70	63.35	63.59	63.75	65.15	64.75		
Dry Thermometer.	MARCH.	1	66.8	67.8	67.2	66.6	65.9	66.0	65.6	65.6	65.5	65.6	65.7	66.0	66.19
		2	66.9	67.1	66.6	66.0	65.4	64.6	65.4	64.6	64.5	64.2	64.4	65.2	65.41
		3	69.8	68.0	68.6	67.2	65.3	64.4	64.2	64.3	63.2	63.1	64.0	66.4	65.71
		4	69.0	70.4	70.6	67.5	65.2	65.2	65.3	64.4	64.4	64.1	64.5	68.4	66.58
		5	68.9	71.1	70.5	68.4	66.2	65.0	65.8	64.0	62.5	—	64.6	66.4	66.67
		6	68.2	69.2	67.8	68.4	66.0	65.7	65.2	—	—	—	—	—	66.17
		7	—	—	—	—	—	—	—	63.8	63.8	63.8	64.4	67.8	66.81
		8	70.0	70.8	71.0	69.0	66.2	65.6	64.9	64.6	64.0	63.6	64.7	67.3	66.64
		9	70.1	69.8	—	69.3	66.2	65.4	65.2	64.8	64.5	64.3	—	66.8	66.58
		10	67.2	69.7	71.0	70.3	66.2	65.1	64.3	64.0	63.6	64.1	65.6	67.8	67.08
		11 <sup>a</sup>	70.0	71.7	—	—	—	66.1	66.4	66.6	65.3	66.7	66.6	67.1	66.20
		12	67.7	68.6	68.2	67.5	66.8	67.0	66.4	66.0	66.0	66.6	66.8	67.4	67.17
		13	69.4	68.2	67.8	66.1	66.6	65.2	65.0	—	—	—	—	—	67.22
		14	—	—	—	—	—	—	—	64.1	63.4	65.2	65.4	68.0	66.73
		15	69.5	68.0	68.6	67.9	66.4	66.6	66.7	66.4	66.3	66.6	65.0	68.0	64.92
		16	69.0	70.7	69.5	67.6	66.5	66.6	66.4	65.6	65.5	66.2	65.9	67.1	65.78
		17	67.5	68.2	68.0	67.6	66.8	66.8	66.4	66.0	65.4	65.8	66.2	67.5	66.50
		18	68.2	69.2	68.4	66.9	66.8	66.0	66.6	66.0	65.6	64.9	65.6	66.6	66.87
		19	66.5	66.9	66.9	65.7	65.6	63.8	64.3	63.6	63.9	63.8	63.8	64.2	66.94
		20	67.4	68.4	68.1	66.2	65.0	64.4	64.6	—	—	—	—	—	66.26
		21	—	—	—	—	—	—	—	65.0	64.7	64.2	64.8	66.6	65.68
		22	69.9	69.4	70.2	67.1	65.8	65.4	64.8	65.4	64.4	65.0	64.4	66.2	66.69
		23	69.6	69.9	70.1	69.4	66.9	66.4	66.0	65.4	64.9	64.4	65.2	65.9	67.19
		24	68.5	69.3	69.3	67.8	65.5	65.0	64.5	64.4	64.3	64.5	64.6	67.0	66.87
		25	69.4	69.4	69.5	67.0	64.8	64.2	63.8	63.2	63.6	62.5	64.3	66.5	66.22
		26	68.0	70.4	70.7	68.4	65.0	64.6	63.6	64.0	63.8	63.8	64.8	68.0	65.68
		27	71.1	71.6	71.6	68.6	67.1	66.6	66.0	—	—	—	—	—	66.94
		28	—	—	—	—	—	—	—	65.4	65.8	65.0	65.5	68.0	66.87
		29	70.6	71.3	70.8	68.8	66.2	65.6	64.6	64.8	64.5	65.2	65.3	68.6	66.50
		30	69.6	71.0	70.6	67.9	66.0	65.1	65.4	64.8	64.6	64.8	64.9	67.7	66.87
		31	70.8	70.3	69.6	67.8	65.8	65.8	65.6	64.9	64.6	64.7	64.8	68.6	66.94
Hourly Means	68.87	69.50	69.23	67.73	66.01	65.49	65.30	64.88	64.54	64.72	65.07	67.08	66.53		

<sup>a</sup> Omitted in the daily means.

WET AND DRY THERMOMETERS.																
Hours of Mean Gottingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21		
Wet Thermometer.	APRIL.	1	68.4	69.4	68.8	66.8	64.4	64.4	64.2	63.9	63.0	62.0	62.4	66.6	65.36	
		2	67.0	68.5	68.0	67.0	65.8	64.8	63.8	63.8	62.6	63.2	62.8	65.1	65.20	
		3	66.1	68.2	68.6	66.3	64.0	64.0	63.6	—	—	—	—	—	—	64.88
		4	—	—	—	—	—	—	—	63.0	64.2	62.6	62.4	65.6	—	
		5	66.4	67.9	68.0	67.0	66.2	66.0	65.8	65.5	65.1	65.2	65.4	66.8	66.8	66.27
		6	67.7	68.4	67.3	66.6	66.0	65.8	65.4	65.0	64.5	63.4	63.7	65.2	65.2	65.75
		7	65.4	66.5	65.5	64.6	64.4	63.8	63.2	61.8	62.4	62.3	63.0	63.5	63.5	63.87
		8	64.9	65.7	65.3	64.4	64.6	63.4	63.6	—	—	—	—	—	—	64.43
		9 <sup>a</sup>	—	—	—	—	—	—	—	64.4	64.9	63.2	63.8	65.0	—	
		10	65.8	65.4	66.9	64.7	64.0	63.2	62.4	—	—	—	—	—	—	64.07
		11	—	—	—	—	—	—	—	62.8	—	61.6	63.8	64.2	—	
		12	64.6	66.4	66.8	65.4	63.3	63.0	62.7	62.4	63.2	63.4	63.4	65.4	65.4	64.17
		13	64.8	66.7	66.1	65.4	63.2	62.8	63.2	63.6	63.0	62.5	63.1	64.0	64.0	64.03
		14	66.0	66.5	67.2	64.0	63.5	62.5	63.0	62.6	62.4	—	63.6	65.1	65.1	64.22
		15	65.6	66.9	67.4	66.0	63.6	63.8	64.4	63.5	64.2	62.4	62.0	64.8	64.8	64.55
		16	65.3	67.4	68.6	65.7	64.8	63.4	63.7	62.4	62.4	62.2	62.9	66.6	66.6	64.62
		17	67.5	67.2	67.1	66.3	64.4	62.8	62.8	—	—	—	—	—	—	65.21
		18	—	—	—	—	—	—	—	63.7	64.8	64.8	65.3	65.8	—	
		19	66.4	67.2	67.5	66.8	65.6	64.8	64.6	64.2	63.6	—	63.6	66.0	66.0	65.48
		20	66.5	68.8	67.8	66.8	64.8	65.1	64.3	64.3	64.2	63.8	64.1	65.6	65.6	65.51
		21	67.4	67.5	67.1	66.0	64.5	63.8	63.8	63.6	64.1	64.1	64.2	65.4	65.4	65.12
		22	67.6	66.5	67.1	66.8	65.6	66.0	65.7	62.5	65.4	65.2	65.4	66.2	66.2	65.83
		23	67.5	67.9	67.6	66.6	64.8	64.0	64.4	62.3	64.6	63.9	63.8	65.2	65.2	65.22
		24	66.2	67.7	67.4	67.0	65.2	65.0	64.6	—	—	—	—	—	—	64.92
		25	—	—	—	—	—	—	—	62.2	62.1	62.8	63.8	65.0	—	
		26	65.4	65.5	66.0	64.8	64.6	64.4	64.2	64.4	63.9	64.6	—	65.9	65.9	64.88
		27	66.1	65.3	65.5	64.4	63.0	62.4	62.2	62.7	62.2	61.8	62.5	64.4	64.4	63.54
		28	65.8	67.4	67.1	65.3	64.8	65.0	63.5	64.5	64.8	64.6	65.0	65.9	65.9	65.31
		29	66.2	65.8	65.4	64.2	63.4	64.4	63.0	63.6	63.2	64.0	63.2	63.2	63.2	64.13
		30	65.1	65.5	65.6	—	63.2	63.5	62.2	62.0	61.8	61.3	61.7	64.8	64.8	63.34
		Hourly Means		66.23	67.05	67.03	65.79	64.47	64.08	63.77	63.39	63.61	63.26	63.54	65.25	64.80
Dry Thermometer.	APRIL.	1	70.6	71.5	70.6	67.9	65.6	65.4	65.2	65.2	64.8	64.0	64.8	68.2	66.98	
		2	69.6	70.2	69.8	68.0	66.6	66.0	65.2	65.0	64.6	64.5	64.6	67.6	66.81	
		3	68.4	70.2	70.5	67.8	65.6	65.4	64.9	—	—	—	—	—	—	66.52
		4	—	—	—	—	—	—	—	64.3	64.9	64.1	64.5	67.6	—	
		5	68.4	69.1	69.9	68.8	67.0	66.6	66.4	66.2	66.0	65.6	65.6	67.2	67.2	67.23
		6	69.3	69.7	68.0	67.1	66.3	66.1	65.7	65.2	65.0	63.8	64.6	65.7	65.7	66.37
		7	66.9	68.5	67.8	66.8	65.1	64.2	63.8	63.8	63.7	63.4	63.8	64.6	64.6	65.20
		8	66.4	67.9	66.8	65.9	65.6	64.8	64.4	—	—	—	—	—	—	65.53
		9 <sup>a</sup>	—	—	—	—	—	—	—	65.0	65.2	64.0	64.8	65.6	—	
		10	67.6	67.3	67.6	65.9	65.0	64.9	64.4	—	—	—	—	—	—	65.43
		11	—	—	—	—	—	—	—	63.8	—	62.8	64.8	65.6	—	
		12	66.6	68.0	68.8	67.2	64.4	63.9	63.7	63.2	64.0	64.2	64.4	66.0	66.0	65.37
		13	67.0	68.8	67.8	67.2	64.1	63.8	64.2	64.5	63.9	63.6	64.3	66.0	66.0	65.43
		14	67.7	68.2	68.8	65.4	64.3	63.5	63.8	63.4	63.2	—	64.4	65.8	65.8	65.32
		15	68.4	69.1	69.2	66.7	65.0	65.1	65.5	64.2	64.8	63.2	62.5	65.6	65.6	65.77
		16	68.3	69.4	70.0	67.3	65.5	63.8	64.3	63.8	63.8	63.6	64.4	68.0	68.0	66.02
		17	69.0	68.5	69.0	67.9	65.3	64.3	63.6	—	—	—	—	—	—	66.21
		18	—	—	—	—	—	—	—	64.4	65.3	65.0	65.6	66.6	—	
		19	68.6	68.7	69.3	68.1	66.4	65.6	65.4	64.9	64.4	—	64.6	67.2	67.2	66.66
		20	68.0	70.2	69.2	68.0	65.6	65.6	65.2	65.1	64.9	64.4	64.9	67.1	67.1	66.52
		21	68.8	69.0	68.4	67.2	65.4	64.8	64.8	64.4	64.7	64.8	65.1	66.7	66.7	66.18
		22	68.2	67.6	68.4	67.7	66.0	66.3	66.1	64.3	65.8	65.5	65.9	66.4	66.4	66.52
		23	68.1	69.2	69.4	67.6	65.5	64.8	65.1	64.9	65.0	64.6	64.5	67.2	67.2	66.32
		24	69.0	70.0	69.1	68.2	66.2	65.8	65.3	—	—	—	—	—	—	66.07
		25	—	—	—	—	—	—	—	63.2	63.0	63.4	64.4	65.2	—	
		26	65.6	65.9	66.4	65.4	65.0	64.9	64.8	65.0	64.4	65.0	—	66.8	66.8	65.38
		27	68.0	66.8	67.1	65.8	64.0	63.5	63.0	63.2	63.0	62.6	63.3	65.7	65.7	64.67
		28	67.5	69.3	68.9	66.8	65.6	65.8	64.7	65.0	65.1	65.0	65.6	66.5	66.5	66.32
		29	68.1	67.1	66.8	65.6	64.6	65.4	64.0	64.0	64.0	64.2	63.4	65.2	65.2	65.20
		30	66.4	67.1	66.7	—	64.2	64.3	62.8	63.0	62.3	61.8	62.2	66.0	66.0	64.24
		Hourly Means		68.02	68.69	68.57	67.10	65.36	64.98	64.65	64.36	64.41	64.05	64.46	66.40	65.94

<sup>a</sup> Good Friday.

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21	
Wet Thermometer.	MAY.	1	64°0	64°4	65°3	64°4	63°2	62°8	63°2	—	—	—	—	63°25	
		2	—	—	—	—	—	—	—	61°4	61°3	61°8	62°0	65°2	
		3	65°4	66°0	65°3	63°4	63°7	62°6	61°7	62°0	61°5	61°0	62°7	63°6	63°24
		4	66°4	64°6	64°1	62°1	60°9	61°0	60°8	61°0	59°5	60°1	62°3	62°6	62°12
		5	64°7	65°9	65°3	63°6	61°6	63°2	63°7	62°2	62°6	62°2	62°2	62°9	63°34
		6	64°5	64°5	64°0	62°6	62°2	62°0	61°9	62°3	62°2	62°1	62°0	63°0	62°77
		7	63°4 <sup>a</sup>	63°2	63°0	61°2	60°8	60°8	62°1	62°0	60°5	61°0	61°5	62°1	61°80
		8	63°0	63°7	62°9	62°5	61°5	61°5	61°4	—	—	—	—	—	—
		9	—	—	—	—	—	—	—	60°9	60°2	63°1	61°9	64°3	62°24
		10	66°0	65°2	65°1	63°9	63°6	62°0	62°9	63°0	62°0	62°0	64°0	63°9	63°63
		11	65°0	66°4	66°1	64°0	63°2	63°1	62°6	61°5	61°6	—	—	—	63°72
		12	64°6	64°3	64°8	62°6	62°8	63°3	61°6	62°2	62°6	62°3	63°6	63°9	63°22
		13	66°3	66°5	66°2	65°3	64°6	64°6	64°2	64°6	63°4	62°7	62°7	62°8	64°49
		14	62°9	63°2	63°4	61°8	60°6	60°2	61°2	59°6	59°8	—	58°7	60°2	61°05
		15	60°8	61°4	61°3	59°4	59°4	58°8	59°2	—	—	—	—	—	—
		16	—	—	—	—	—	—	—	61°4	60°0	57°2	59°8	61°2	59°99
		17	63°4	63°6	63°6	61°8	61°6	61°0	60°6	60°2	58°6	59°2	61°0	60°7	61°27
		18	59°9	59°8	59°6	58°4	60°8	60°6	60°6	59°7	59°6	57°7	59°0	61°1	59°73
		19	61°0	60°1	60°8	60°0	57°2	56°4	56°3	57°0	57°2	—	57°1	59°4	58°41
		20	62°2	60°7	60°6	61°4	59°0	56°6	56°1	56°2	56°0	57°2	56°8	61°2	58°67
		21	63°0	62°6	63°7	62°6	60°9	59°2	59°0	58°2	57°8	59°0	58°8	60°9	60°47
		22	60°7	63°0	62°8	62°3	60°2	60°6	61°0	—	—	—	—	—	—
		23	—	—	—	—	—	—	—	55°8	55°4	55°0	57°2	58°8	59°40
		24	58°3	62°3	62°4	61°4	58°6	59°0	58°0	57°8	57°2	—	57°8	60°3	59°37
		25	62°1	61°8	62°0	60°5	59°0	58°9	58°6	57°8	58°0	58°6	59°8	60°8	59°82
		26	61°3	61°6	61°7	60°1	59°2	59°6	59°2	58°9	59°6	59°8	60°0	62°6	60°30
		27	61°4	62°3	61°1	60°0	59°4	60°0	59°2	59°2	58°4	59°0	59°0	61°2	60°02
		28	62°3	61°1	61°2	59°0	59°4	57°7	58°1	58°7	57°6	58°4	58°0	59°4	—
		29	61°2	60°0	58°8	58°7	58°2	58°9	59°5	—	—	—	—	—	59°24
		30	—	—	—	—	—	—	—	57°4 <sup>a</sup>	58°4	—	57°2	60°0	58°94
		31	60°4	61°1	60°9	59°6	60°3	60°0	60°3	60°0	60°3	60°4	58°7	60°5	60°21
Hourly Means	62°83	63°05	62°92	61°64	60°84	60°55	60°50	60°15	59°67	59°99	60°15	61°70	61°18		
Dry Thermometer.	MAY.	1	64°8	65°6	66°4	65°1	64°1	63°8	63°8	—	—	—	—	—	
		2	—	—	—	—	—	—	—	63°2	63°0	63°0	63°4	66°1	
		3	66°6	67°8	66°8	64°6	64°5	63°8	63°0	63°3	63°0	62°6	63°7	65°3	64°58
		4	67°3	65°5	65°2	63°3	62°3	62°0	62°0	61°7	60°8	61°8	63°1	63°4	63°20
		5	66°0	67°2	66°5	64°6	63°4	64°6	64°2	62°6	62°6	63°1	62°6	63°0	64°28
		6	65°8	65°3	64°8	63°1	62°6	62°3	62°6	62°9	62°6	62°3	62°2	63°2	63°31
		7	63°6 <sup>a</sup>	63°9	63°9	63°7	63°0	62°8	63°0	62°8	61°5	61°4	62°0	63°3	62°91
		8	65°2	65°0	63°3	63°3	62°0	62°3	62°0	—	—	—	—	—	—
		9	—	—	—	—	—	—	—	62°6	61°6	63°6	62°5	64°9	63°19
		10	67°4	66°4	65°9	64°8	64°0	63°2	63°6	63°6	62°8	63°0	64°2	65°2	64°51
		11	66°6	66°8	67°2	64°8	63°8	63°7	63°4	62°8	62°6	—	—	—	63°63
		12	66°1	67°2	66°2	64°6	64°0	64°3	62°6	63°0	63°4	62°8	64°0	64°6	64°40
		13	67°2	68°3	68°0	66°2	65°2	65°0	64°6	65°0	63°8	63°4	63°4	64°2	65°37
		14	65°4	65°5	66°2	63°8	62°6	62°4	62°1	61°7	62°0	—	61°6	63°0	63°30
		15	64°9	65°1	64°5	62°9	62°7	62°4	62°5	—	—	—	—	—	—
		16	—	—	—	—	—	—	—	62°7	62°6	61°6	62°6	65°4	63°32
		17	66°4	67°7	67°5	64°5	63°6	63°2	62°8	62°4	61°6	61°6	62°8	64°0	64°01
		18	66°3	67°4	67°1	64°2	63°2	62°4	62°6	62°3	61°3	61°2	62°0	63°7	63°64
		19	67°0	66°2	66°6	63°8	60°8	60°4	59°8	60°3	60°4	—	59°7	63°6	62°60
		20	66°4	63°8	63°9	65°0	62°2	59°4	59°1	58°7	57°8	59°0	58°8	64°0	61°51
		21	67°6	66°5	68°8	67°4	63°7	61°9	61°2	60°2	59°6	60°6	61°1	64°1	63°56
		22	66°8	68°9	69°2	66°8	63°3	62°8	62°8	—	—	—	—	—	—
		23	—	—	—	—	—	—	—	59°6	58°9	58°3	59°8	63°0	63°35
		24	65°7	68°3	67°4	66°2	61°8	62°0	60°5	60°2	59°8	—	60°0	63°2	63°19
		25	66°7	67°3	67°4	64°5	61°7	61°0	60°9	59°8	60°0	60°2	61°6	63°9	62°92
		26	65°5	66°6	66°8	64°3	62°1	62°0	61°7	61°4	61°8	61°7	61°8	63°5	63°27
		27	65°7	65°8	65°1	63°4	62°4	62°6	62°0	61°8	61°3	61°4	61°9	64°4	63°15
		28	66°1	64°2	64°2	62°2	62°0	61°4	61°4	61°4	60°3	60°0	61°0	63°5	62°31
		29	65°2	64°5	62°7	62°7	62°0	61°6	61°0	—	—	—	—	—	—
		30	—	—	—	—	—	—	—	64°0 <sup>a</sup>	59°1	—	60°0	63°0	62°35
		31	63°3	64°4	64°1	61°9	61°9	61°6	61°4	61°2	61°2	61°3	60°4	61°2	61°99
Hourly Means	66°08	66°20	65°99	64°30	62°88	62°50	62°18	61°89	61°38	61°59	61°86	63°89	63°43		

<sup>a</sup> Not included in the hourly means.

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	JUNE.	1	62.4	63.3	63.3	61.6	60.6	61.0	60.6	60.5	60.6	61.0	59.8	61.0	61.31	
		2	62.3	62.1	62.8	60.6	59.8	59.4	59.9	59.8	60.4	60.6	60.6	62.2	60.87	
		3	61.8	61.5	61.9	60.4	60.6	60.3	59.4	59.6	59.8	59.7	58.7	61.1	60.40	
		4	62.6	62.0	62.0	61.6	60.9	61.5	61.0	60.0	60.7	61.0	60.8	61.6	61.31	
		5	62.2	61.7	62.4	61.2	60.4	60.5	61.0	—	—	—	—	—	—	61.21
		6	—	—	—	—	—	—	—	—	61.0	60.6	60.6	60.7	62.2	
		7	64.3	64.4	64.0	63.0	60.6	59.8	60.4	60.4	59.3	61.0	61.8	63.0	63.0	61.83
		8	64.9	63.8	65.2	62.4	61.6	61.1	60.5	59.6	60.0	60.2	59.0	60.5	60.5	61.57
		9	60.8	61.7	62.8	61.6	60.2	60.0	59.0	59.9	59.4	59.0	58.8	61.0	61.0	60.35
		10	61.1	60.4	61.3	60.1	60.0	59.8	59.3	59.1	58.6	59.0	59.1	60.6	60.6	59.87
		11	61.3	61.9	61.1	60.8	59.1	59.0	58.1	58.1	58.6	59.6	60.9	61.4	61.4	59.99
		12	63.2	64.0	62.1	61.6	59.0	59.0	58.6	—	—	—	—	—	—	59.36
		13	—	—	—	—	—	—	—	—	58.8	57.8	55.6	55.0	57.6	
		14	59.3	58.1	59.1	57.3	57.2	58.5	57.3	58.0	57.8	57.2	57.0	57.0	60.0	58.07
		15	61.0	60.2	61.6	59.6	58.8	58.4	59.0	56.8	58.0	56.4	58.0	58.8	58.8	58.88
		16	58.8	59.8	59.4	58.7	57.8	58.1	58.2	56.4	57.2	57.6	57.2	57.8	57.8	58.08
		17	59.0	59.3	58.5	57.8	57.9	55.0	55.4	55.9	56.3	55.8	55.9	57.3	57.3	57.01
		18	58.1	59.3	58.2	58.0	58.2	57.9	57.4	57.8	56.4	55.5	55.0	57.5	57.5	57.52
		19	58.1	58.2	59.2	58.0	58.2	57.4	55.0	—	—	—	—	—	—	56.83
		20	—	—	—	—	—	—	—	—	55.3	55.1	52.9	56.9	57.7	
		21	58.5	59.6	58.7	58.6	57.3	58.2	57.6	56.7	56.7	57.0	—	56.7	54.9	57.62
		22	58.7	—	59.9	58.7	58.0	57.3	56.7	57.6	56.7	56.0	57.4	58.6	58.6	57.78
		23	58.5	59.2	58.0	57.9	56.8	58.0	57.2	57.0	55.5	56.5	56.7	56.7	56.7	57.33
		24	57.1	58.8	57.7	57.1	55.9	55.9	53.2	55.2	53.8	55.9	55.7	57.4	57.4	56.14
		25	57.3	57.7	57.8	57.3	56.1	56.4	56.0	54.9	54.5	54.3	53.9	55.8	55.8	56.00
		26	57.2	57.1	57.6	57.6	55.2	56.1	55.6	—	—	—	—	—	—	56.55
		27	—	—	—	—	—	—	—	—	55.5	55.4	—	56.3	58.4	
		28	58.9	61.6	—	58.4	57.6	57.7	58.3	—	—	—	—	—	—	58.21
		29	—	—	—	—	—	—	—	—	57.8	57.5	56.8	57.6	58.1	
		30	59.0	59.8	58.8	58.6	59.6	59.6	57.0	59.2	59.2	59.3	59.4	59.8	59.8	59.11
		Hourly Means		60.26	60.65	60.56	59.54	58.70	58.64	58.07	58.04	57.85	57.89	58.00	59.24	58.95
Dry Thermometer.	JUNE.	1	63.2	64.7	65.4	63.1	61.7	61.8	61.2	61.3	61.2	61.4	60.4	61.6	62.25	
		2	63.7	64.0	64.3	62.5	61.2	60.9	61.0	60.8	61.2	61.4	61.3	63.8	62.17	
		3	63.0	63.2	64.0	62.7	62.0	61.9	61.1	61.0	61.2	61.0	60.5	62.0	61.97	
		4	64.2	64.3	63.4	63.3	62.2	62.6	62.0	61.2	61.5	61.6	61.4	62.5	62.52	
		5	64.2	64.9	65.0	63.5	62.0	62.0	62.0	—	—	—	—	—	—	62.84
		6	—	—	—	—	—	—	—	—	61.8	61.5	61.4	61.8	64.0	
		7	67.8	68.6	68.8	66.4	63.0	61.4	62.0	61.8	60.5	62.2	62.8	64.5	64.5	64.15
		8	67.7	66.6	68.6	65.4	63.6	62.9	62.1	61.2	61.3	61.6	60.8	64.0	64.0	63.82
		9	65.6	67.7	67.1	65.6	62.8	62.4	61.2	61.7	61.4	60.9	60.8	64.3	64.3	63.46
		10	65.2	65.8	66.0	63.2	62.2	61.7	61.8	61.8	61.5	61.2	61.2	63.8	63.8	62.95
		11	65.9	66.1	65.1	63.7	61.7	61.6	61.1	60.4	60.4	61.4	62.0	63.8	63.8	62.77
		12	65.5	65.0	63.3	62.6	61.2	61.3	60.9	—	—	—	—	—	—	61.40
		13	—	—	—	—	—	—	—	—	59.9	60.1	58.7	58.3	60.0	
		14	63.2	60.2	60.0	59.7	57.9	59.6	59.1	58.9	59.4	58.7	58.6	61.0	61.0	59.69
		15	61.8	62.2	62.6	60.7	60.0	59.6	60.0	58.8	59.1	57.9	59.0	59.8	59.8	60.12
		16	61.2	62.3	62.0	60.8	59.2	59.4	59.3	57.2	58.1	58.8	57.9	58.8	58.8	59.58
		17	61.2	61.2	59.7	59.8	58.9	58.8	59.2	59.6	59.5	59.5	59.3	61.0	61.0	59.81
		18	63.5	65.0	62.5	60.7	60.4	60.2	60.0	60.0	59.7	59.7	59.8	61.7	61.7	61.10
		19	62.4	62.6	62.5	61.1	60.2	60.1	59.8	—	—	—	—	—	—	60.83
		20	—	—	—	—	—	—	—	—	60.3	59.9	59.8	60.1	61.2	
		21	62.9	63.7	63.0	61.2	60.3	60.8	59.5	58.9	59.0	—	59.2	59.6	59.6	60.74
		22	62.1	—	63.7	60.7	60.2	59.6	59.6	59.4	58.4	58.8	58.6	60.9	60.9	60.18
		23	60.5	60.3	60.8	60.6	59.0	60.0	58.4	58.0	57.0	57.5	57.5	59.0	59.0	59.05
		24	58.7	60.5	61.0	58.4	57.6	57.8	57.4	58.4	58.0	57.7	57.7	59.0	59.0	58.52
		25	60.3	61.5	59.9	59.2	58.0	57.8	57.5	56.6	57.2	56.5	55.8	58.9	58.9	58.27
		26	61.5	61.4	61.4	59.4	57.2	57.4	56.8	—	—	—	—	—	—	59.14
		27	—	—	—	—	—	—	—	—	58.0	57.8	—	58.5	61.1	
		28	61.9	62.9	—	60.6	59.7	59.3	59.2	—	—	—	—	—	—	60.21
		29	—	—	—	—	—	—	—	—	59.6	59.1	58.7	59.8	61.5	
		30	63.3	63.2	62.6	61.4	60.7	60.6	59.2	60.1	60.3	60.3	60.6	61.7	61.7	61.17
		Hourly Means		63.22	63.66	63.45	61.85	60.51	60.46	60.06	59.87	59.77	59.86	59.75	61.58	61.16



WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time. }		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	JULY.	1	59.8	59.7	59.4	59.3	59.0	58.4	57.5	58.3	57.0	58.3	57.4	57.0	58.42	
		2	58.3	59.0	58.7	57.8	56.5	56.2	57.1	55.4	55.0	56.0	54.6	55.9	56.71	
		3	57.8	60.4	59.8	58.4	58.0	58.0	57.8	—	—	—	—	—	—	
		4	—	—	—	—	—	—	—	—	56.2	55.3	55.8	56.1	56.7	57.52
		5	56.8	59.0	60.0	58.5	56.3	55.6	54.5	56.0	54.7	53.5	53.5	53.5	58.2	56.38
		6	59.6	60.0	60.4	59.0	57.8	57.4	55.2	54.2	53.8	55.2	54.6	57.9	57.9	57.09
		7	59.2	59.0	59.5	58.5	57.4	55.7	55.3	54.7	56.6	57.2	57.4	58.9	57.4	57.45
		8	59.0	58.4	57.2	57.4	56.4	56.6	56.2	55.6	55.8	56.2	56.5	56.9	56.9	56.85
		9	57.3	58.6	56.9	56.0	54.7	54.8	57.4	52.7	55.5	56.0	54.5	54.6	54.6	55.75
		10	57.2	58.0	57.1	57.8	55.6	56.9	55.9	—	—	—	—	—	—	—
		11	—	—	—	—	—	—	—	—	57.0	56.8	56.2	56.9	57.9	56.94
		12	59.4	59.2	57.8	55.4	55.5	55.9	56.2	53.2	55.2	54.8	54.7	57.4	57.4	56.22
		13	58.7	57.6	57.2	56.4	56.0	56.7	56.0	56.1	54.7	56.0	53.6	56.6	56.6	56.30
		14	57.0	57.9	56.6	56.4	55.3	56.0	55.2	53.6	54.2	54.3	55.6	56.2	56.2	55.69
		15	57.2	58.5	57.6	55.4	54.6	55.5	55.0	55.4	54.2	55.0	54.6	56.7	56.7	55.89
		16	58.2	58.8	57.2	57.0	56.2	54.9	54.4	53.8	53.7	53.6	53.8	54.3	54.3	55.49
		17	57.2	57.1	56.3	55.4	54.8	54.2	54.1	—	—	—	—	—	—	—
		18	—	—	—	—	—	—	—	52.0	54.2	54.0	51.6	53.1	53.1	54.50
		19	55.2	56.1	57.3	57.2	56.2	56.4	56.5	56.0	55.6	54.4	54.5	56.5	56.5	55.99
		20	57.6	57.4	57.1	56.5	55.5	54.6	55.4	55.4	55.5	57.0	56.8	59.0	59.0	56.48
		21	58.4	59.0	59.2	58.2	58.6	57.9	58.4	58.0	57.5	56.2	56.2	55.6	55.6	57.77
		22	57.9	59.3	57.9	56.6	55.8	55.3	54.3	54.2	55.3	53.3	53.5	54.6	54.6	55.67
		23	56.2	57.1	56.5	55.1	54.0	54.4	53.2	54.8	56.4	56.4	56.5	56.5	56.5	55.59
		24	56.6	58.4	57.0	56.7	54.8	54.8	53.4	—	—	—	—	—	—	—
		25	—	—	—	—	—	—	—	57.4	57.6	58.1	56.9	59.0	59.0	56.72
		26	59.3	58.7	58.7	58.8	58.3	57.8	58.4	57.5	58.3	58.4	58.0	58.1	58.1	58.36
		27	59.0	59.5	59.2	59.6	58.6	58.7	58.3	57.6	57.8	58.0	58.2	57.6	57.6	58.51
		28	59.4	59.4	59.0	58.9	57.1	57.8	57.8	57.2	57.4	56.8	56.3	57.1	57.1	57.85
		29	59.0	58.9	59.4	58.5	58.2	58.0	56.3	57.2	57.1	55.5	55.5	56.8	56.8	57.53
		30	58.3	58.7	58.3	58.3	58.0	57.0	57.2	57.6	58.1	57.5	58.1	59.8	59.8	58.07
		31	59.9	61.6	61.8	60.4	59.0	57.8	57.9	—	—	—	—	—	—	—
		32	—	—	—	—	—	—	—	—	57.5	57.5	—	57.2	57.6	58.93
Hourly Means		58.13	58.71	58.26	57.54	56.60	56.42	56.14	55.73	55.96	55.91	55.67	56.91	56.83		
Dry Thermometer.	JULY.	1	62.2	61.8	61.8	61.2	60.6	60.4	60.0	60.0	60.0	59.5	60.0	61.6	60.76	
		2	63.2	63.6	63.0	60.6	59.4	60.0	59.6	58.0	58.4	58.8	58.4	60.0	60.25	
		3	61.4	61.8	63.0	60.4	59.4	58.5	58.6	—	—	—	—	—	—	
		4	—	—	—	—	—	—	—	57.7	56.1	56.6	56.8	57.8	59.01	
		5	60.4	62.4	62.6	60.5	57.8	57.6	57.2	58.4	57.7	56.6	56.3	60.9	60.9	59.03
		6	62.3	63.0	63.0	60.9	59.8	59.8	59.2	58.6	58.2	58.5	58.4	61.0	61.0	60.22
		7	63.1	64.0	63.0	61.4	60.0	58.2	58.3	57.6	58.6	59.0	59.2	60.4	60.4	60.23
		8	60.3	60.0	60.8	60.1	59.0	58.8	58.4	58.4	58.4	58.0	57.7	58.4	58.4	59.02
		9	60.0	62.9	62.7	60.0	58.2	57.7	59.1	58.2	58.6	57.0	57.5	59.9	59.9	59.32
		10	61.1	61.0	59.6	60.1	58.6	58.7	57.7	—	—	—	—	—	—	—
		11	—	—	—	—	—	—	—	57.8	57.6	57.6	58.1	58.3	58.3	58.85
		12	60.3	61.2	61.0	58.7	58.0	57.8	57.3	57.4	56.6	57.0	56.7	58.9	58.9	58.41
		13	61.0	61.4	61.1	58.9	58.0	57.8	57.0	58.0	57.1	57.6	56.6	58.9	58.9	58.62
		14	60.6	59.8	61.0	59.4	58.0	58.0	57.6	57.1	57.2	56.6	56.4	57.6	57.6	58.27
		15	58.2	60.4	60.8	58.4	57.4	57.6	57.5	56.9	55.4	56.0	55.6	58.7	58.7	57.74
		16	59.3	61.5	59.3	58.4	57.1	56.4	56.2	56.0	56.0	56.1	56.3	57.9	57.9	57.54
		17	59.7	60.1	60.5	58.8	57.2	56.8	56.6	—	—	—	—	—	—	—
		18	—	—	—	—	—	—	—	56.8	57.1	56.7	56.4	59.3	59.3	58.00
		19	60.6	62.2	60.0	58.5	57.8	57.5	57.0	56.5	56.0	55.5	56.6	58.3	58.3	58.04
		20	59.7	58.9	60.3	58.6	57.7	57.1	56.8	56.4	56.6	57.8	57.8	60.2	60.2	58.16
		21	59.4	62.9	63.0	60.7	59.8	59.4	59.2	58.8	58.4	58.0	58.3	59.6	59.6	59.79
		22	59.7	60.9	60.0	58.1	57.4	57.9	57.7	57.6	58.0	57.1	57.5	59.6	59.6	58.46
		23	61.4	62.2	60.9	59.1	57.7	57.6	57.2	58.6	57.4	57.2	56.9	59.8	59.8	58.83
		24	60.6	61.4	60.8	59.2	57.8	58.8	58.4	—	—	—	—	—	—	—
		25	—	—	—	—	—	—	—	58.8	58.8	59.0	58.6	60.3	60.3	59.37
		26	61.7	61.6	61.1	60.8	59.4	58.8	59.2	58.8	58.9	59.0	58.7	59.7	59.7	59.81
		27	62.4	63.2	61.3	60.6	59.7	59.6	59.3	58.6	58.8	59.1	58.6	60.1	60.1	60.11
		28	62.6	63.2	62.6	60.5	59.0	59.2	58.8	58.4	58.4	58.4	58.5	60.2	60.2	59.98
		29	61.9	62.5	62.5	60.2	59.2	59.0	58.3	58.4	58.4	58.2	58.4	59.2	59.2	59.68
		30	61.8	62.0	60.3	59.9	59.0	58.2	58.4	58.6	58.9	58.6	59.0	60.4	60.4	59.59
		31	61.5	64.0	64.9	63.1	60.2	59.0	58.9	—	—	—	—	—	—	—
		32	—	—	—	—	—	—	—	58.5	58.5	—	58.4	60.6	60.6	60.69
Hourly Means		60.98	61.85	61.51	59.89	58.64	58.38	58.13	57.96	57.78	57.67	57.69	59.54	59.17		

WET AND DRY THERMOMETERS.																
Hours of Mean Gottingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21		
Wet Thermometer.	AUGUST.	2	60.0	59.8	59.6	59.3	58.2	57.9	57.7	57.8	57.6	57.4	57.1	58.7	58.42	
		3	58.5	59.9	58.9	58.5	58.4	58.0	58.8	57.6	57.5	57.6	57.0	57.7	58.20	
		4	58.4	58.0	57.2	56.4	55.2	56.1	56.6	57.2	57.4	—	56.8	57.8	57.01	
		5	58.7	60.0	59.0	59.3	58.6	58.6	57.2	57.8	57.5	57.8	57.8	58.0	58.0	58.36
		6	59.8	59.3	59.1	59.1	57.0	57.4	57.4	56.6	55.2	52.0	54.2	55.1	56.85	
		7	56.0	57.2	56.6	57.0	56.8	57.2	55.8	—	—	—	—	—	—	—
		8	—	—	—	—	—	—	—	57.3	57.0	57.0	57.0	57.0	57.5	56.87
		9	58.6	59.1	58.3	57.8	56.8	57.0	56.3	57.0	56.8	56.2	55.7	56.8	57.2	57.20
		10	57.8	58.7	58.6	57.8	56.9	57.0	56.2	55.9	56.2	55.9	56.0	57.4	57.4	57.03
		11	58.5	59.4	58.8	57.4	57.0	56.9	56.0	56.0	55.3	54.3	55.2	56.8	56.8	56.80
		12	58.0	58.5	58.5	57.6	57.6	57.3	56.9	56.9	57.4	56.8	57.4	56.7	57.4	57.47
		13	58.7	58.7	58.6	57.8	57.2	57.3	57.8	55.2	55.6	57.3	58.6	58.9	58.9	57.64
		14	58.3	59.9	58.8	58.4	58.2	58.3	58.5	—	—	—	—	—	—	—
		15	—	—	—	—	—	—	—	57.8	55.0	56.5	57.6	58.6	58.6	57.99
		16	59.8	59.1	59.1	57.9	56.5	57.9	57.5	57.4	56.2	57.8	57.5	57.2	57.2	57.82
		17	57.7	58.8	58.8	57.7	57.8	56.9	56.5	55.8	55.5	56.2	56.8	57.6	57.6	57.17
		18	58.5	58.3	58.0	57.4	57.2	56.9	57.2	55.4	53.4	52.0	52.6	55.7	55.7	56.05
		19	57.0	—	56.8	54.8	54.1	53.3	52.9	53.0	51.8	52.8	53.7	55.6	55.6	54.16
		20	57.3	56.4	56.6	55.1	55.6	53.8	52.4	52.6	53.6	53.0	53.8	54.2	54.2	54.53
		21	56.3	56.3	56.0	55.3	54.0	54.4	55.1	—	—	—	—	—	—	—
		22	—	—	—	—	—	—	—	55.6	55.4	55.4	55.2	55.6	55.6	55.38
		23	57.4	58.6	56.8	54.6	55.2	55.2	54.0	54.8	54.2	53.6	55.2	56.4	56.4	55.50
		24	57.6	58.4	57.6	57.0	55.8	55.4	55.4	55.4	55.4	55.3	56.0	55.9	55.9	56.27
		25	57.2	57.2	56.8	56.5	56.0	54.4	—	54.0	53.7	54.1	54.3	55.2	55.2	55.40
		26	56.6	57.3	57.3	56.5	56.6	56.0	56.5	54.5	54.0	53.3	53.3	54.9	54.9	55.57
		27	57.6	58.4	59.1	57.4	57.2	57.0	56.4	56.2	54.3	54.9	55.0	55.0	55.0	56.54
		28	57.0	60.2	60.2	57.3	55.5	56.0	55.6	—	—	—	—	—	—	—
		29	—	—	—	—	—	—	—	55.2	55.4	54.8	55.2	56.9	56.9	56.61
		30	57.2	57.4	57.2	56.8	56.2	55.7	55.2	55.4	55.6	55.8	55.2	55.7	55.7	56.12
		31	56.5	56.6	57.1	54.6	56.0	55.2	52.4	54.5	53.0	54.5	53.0	53.8	53.8	54.77
		Hourly Means	57.88	58.46	58.05	57.13	56.60	56.43	56.09	55.88	55.39	55.29	55.66	56.53	56.53	56.61
Dry Thermometer.	AUGUST.	2	62.0	62.1	61.9	60.8	59.2	58.6	58.4	58.8	58.7	58.2	58.1	60.4	59.77	
		3	61.8	63.7	63.9	61.2	60.1	59.5	59.8	58.8	58.7	58.6	58.5	61.0	60.47	
		4	63.2	63.3	62.4	61.0	58.2	58.4	58.4	58.6	58.4	—	58.3	59.9	60.01	
		5	61.1	62.6	61.0	61.3	59.8	59.6	58.4	58.6	58.5	58.9	58.8	59.4	59.4	59.83
		6	60.6	62.4	62.6	62.4	59.6	59.6	59.2	58.9	58.2	56.0	58.1	60.4	60.4	59.83
		7	61.2	62.0	60.7	60.6	59.6	59.2	57.8	—	—	—	—	—	—	—
		8	—	—	—	—	—	—	—	58.2	57.9	57.8	57.8	58.3	58.3	59.26
		9	59.6	60.4	59.9	59.2	58.2	57.8	57.2	57.6	57.7	56.6	56.4	58.4	58.4	58.25
		10	58.8	60.0	60.0	59.0	58.0	57.8	57.0	56.5	56.7	56.4	56.6	58.3	58.3	57.92
		11	59.5	61.1	60.7	58.7	58.0	57.8	58.0	57.3	57.0	56.8	57.2	58.0	58.0	58.34
		12	60.4	59.7	59.4	58.4	58.3	58.0	57.8	58.1	58.2	57.8	58.1	59.0	59.0	58.60
		13	60.5	61.2	60.3	59.1	58.6	58.2	59.0	58.2	58.4	58.6	59.2	60.2	60.2	59.29
		14	60.0	61.4	61.2	59.7	59.2	59.2	59.2	—	—	—	—	—	—	—
		15	—	—	—	—	—	—	—	58.9	58.2	58.5	58.4	59.8	59.8	59.47
		16	61.8	62.0	62.2	59.8	59.0	59.0	58.5	58.2	57.2	58.2	58.2	59.3	59.3	59.45
		17	58.4	60.1	61.0	59.4	58.8	57.9	58.3	57.7	57.8	57.8	58.2	59.1	59.1	58.71
		18	60.2	62.3	60.4	59.4	58.5	58.4	58.4	57.7	57.0	54.8	55.4	60.0	60.0	58.54
		19	62.2	—	63.2	60.9	57.4	56.6	56.2	56.1	54.6	55.5	56.0	58.8	58.8	57.95
		20	60.8	61.0	60.2	59.0	57.6	57.0	56.4	56.4	55.4	56.0	55.5	58.0	58.0	57.77
		21	60.4	61.8	61.4	58.5	57.1	57.5	56.2	—	—	—	—	—	—	—
		22	—	—	—	—	—	—	—	57.0	57.0	57.1	57.6	60.0	60.0	58.47
		23	61.6	62.3	60.6	58.2	56.8	57.8	57.3	57.2	56.6	56.6	56.2	57.2	57.2	58.20
		24	59.3	59.2	59.7	57.7	56.2	56.4	56.6	56.4	56.8	56.7	57.2	58.1	58.1	57.52
		25	59.8	59.5	60.1	58.8	57.4	56.8	—	56.8	56.6	57.0	57.2	59.1	59.1	58.10
		26	61.2	60.6	61.1	59.0	58.5	57.8	57.6	57.6	57.6	57.2	57.6	59.1	59.1	58.74
		27	61.6	63.6	63.1	60.0	58.6	58.4	57.8	57.4	56.9	57.4	57.4	59.7	59.7	59.32
		28	62.6	63.9	63.1	60.5	57.6	57.9	58.2	—	—	—	—	—	—	—
		29	—	—	—	—	—	—	—	56.8	56.4	56.2	56.2	58.3	58.3	58.97
		30	58.0	58.1	58.4	57.8	56.8	56.2	55.8	56.2	56.3	56.2	56.4	56.1	56.1	56.86
		31	59.3	61.4	60.8	58.1	58.0	57.2	56.0	57.0	56.6	57.0	56.8	57.6	57.6	57.98
		Hourly Means	60.61	61.43	61.13	59.56	58.27	58.02	57.74	57.58	57.28	57.11	57.36	58.98	58.98	58.76

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer. SEPTEMBER.	1	54.6	56.6	55.9	54.4	52.6	53.2	54.0	54.0	54.9	54.8	55.7	56.3	54.75
	2	57.3	58.4	57.8	56.8	54.4	51.8	51.9	51.3	50.4	—	51.2	52.6	53.99
	3	55.0	54.8	53.4	52.7	51.8	52.2	52.0	52.0	51.8	54.0	51.5	55.3	53.04
	4	55.4	57.7	56.0	55.6	54.8	53.8	52.4	—	—	—	—	—	54.36
	5	—	—	—	—	—	—	—	54.2	52.5	53.1	52.6	54.2	55.46
	6	55.9	57.4	57.8	56.9	55.6	54.1	53.8	55.9	53.8	53.6	54.4	56.3	56.76
	7	58.8	58.1	57.9	56.2	55.8	56.6	56.0	56.2	56.0	55.7	56.6	57.2	56.52
	8	58.4	58.6	58.1	56.6	55.5	55.6	55.0	56.4	55.8	55.4	55.7	57.2	56.82
	9	57.8	58.6	58.3	57.5	56.8	55.8	56.4	56.1	55.4	55.9	55.8	57.4	57.41
	10	57.8	58.0	57.6	57.1	57.6	56.4	57.4	57.3	57.1	57.2	57.2	58.2	56.72
	11	58.2	58.9	58.1	57.4	57.2	57.2	57.0	—	—	—	—	—	56.32
	12	—	—	—	—	—	—	—	54.8	54.3	55.6	55.3	56.7	55.02
	13	58.4	58.9	57.9	57.2	55.8	55.9	55.6	56.1	55.2	54.2	54.8	55.9	55.60
	14	57.3	56.9	56.4	55.8	54.5	54.6	54.6	53.8	54.5	52.6	53.9	55.4	55.34
	15	56.8	57.6	57.9	56.0	54.9	54.8	55.3	54.4	54.5	54.0	54.6	56.4	55.87
	16	57.5	57.8	56.9	56.4	54.6	54.6	55.3	53.9	52.9	54.0	54.5	55.7	57.15
	17	57.4	57.8	57.2	56.7	55.4	55.4	55.2	55.2	54.3	54.4	55.4	55.9	57.76
	18	58.0	58.4	59.2	56.6	56.4	56.2	56.4 <sup>a</sup>	—	—	—	—	—	56.29
	19	—	—	—	—	—	—	—	56.9	56.4	55.9	56.8	58.6	54.96
	20	59.0	58.0	59.4	58.1	57.5	57.5	57.0	57.4	57.4	57.0	57.6	57.2	55.55
	21	57.3	57.7	58.1	56.7	55.6	57.5	57.6	55.8	55.4	55.0	53.8	55.0	55.29
	22	56.4	56.1	57.0	55.4	54.2	55.5	55.5	55.0	53.0	52.3	54.0	55.1	54.83
	23	56.4	57.1	55.6	55.2	54.3	55.6	55.4	55.4	55.2	54.6	55.4	56.4	54.90
	24	57.3	57.4	57.2	55.5	53.5	55.9	55.7	54.6	53.9	53.8	53.8	54.9	55.44
	25	57.2	57.2	56.7	55.4 <sup>a</sup>	54.2	54.0	54.0	—	—	—	—	—	56.26
	26	—	—	—	—	—	—	—	54.2	53.3	53.6	53.3	54.9	56.08
	27	57.4	57.1	56.4	56.2	53.4	53.8	54.0	53.8	53.2	53.6	54.0	55.9	
	28	56.8	57.6	56.8	55.6	54.5	54.9	54.2	54.3	54.1	—	55.4	55.6	
	29	57.8	58.0	58.2	57.4	57.0	55.2	55.0	54.9	55.4	54.8	55.2	56.2	
	30	57.3	58.2	57.8	56.6	55.7	55.4	55.4	55.2	55.0	54.8	55.0	56.6	
	Hourly Means	57.21	57.65	57.29	56.26	55.14	55.13	55.04	54.97	54.45	54.58	54.75	56.04	55.71
Dry Thermometer. SEPTEMBER.	1	61.5	60.6	59.9	58.2	57.2	57.2	57.0	57.0	56.8	56.8	56.4	57.0	57.97
	2	60.2	61.8	60.7	58.9	56.4	56.0	55.8	55.2	54.7	—	55.6	57.2	57.50
	3	59.1	60.0	59.2	57.0	56.0	56.2	56.0	55.8	56.0	56.1	54.7	56.4	56.87
	4	59.6	61.7	59.4	57.2	56.0	56.4	56.1	—	—	—	—	—	57.62
	5	—	—	—	—	—	—	—	57.2	56.5	56.6	56.2	58.6	58.64
	6	60.5	61.7	61.4	59.4	57.8	57.4	57.2	57.4	57.0	56.8	57.6	59.5	59.12
	7	63.3	62.6	61.0	59.6	58.2	57.9	57.4	57.4	57.3	57.4	58.2	59.1	59.02
	8	62.8	62.6	61.4	59.4	57.9	58.0	57.6	58.2	56.8	56.8	57.6	59.2	59.22
	9	62.3	63.1	60.8	59.7	58.6	58.0	58.0	58.0	57.6	57.8	58.2	58.5	58.09
	10	59.3	60.2	58.9	57.9	58.0	56.9	57.8	57.6	57.4	57.4	57.4	58.3	57.58
	11	58.4	59.1	58.4	58.1	58.0	58.2	57.8	—	—	—	—	—	57.27
	12	—	—	—	—	—	—	—	56.6	56.3	56.8	56.0	57.3	57.53
	13	61.0	59.9	59.2	58.0	56.4	56.6	56.0	56.6	55.6	54.7	55.8	57.4	58.56
	14	60.0	59.8	60.1	58.7	57.0	56.8	56.6	55.7	56.2	55.0	56.0	58.5	57.17
	15	61.8	62.4	62.0	59.3	57.4	57.4	57.5	56.3	56.3	56.0	56.8	59.5	57.01
	16	60.4	59.6	58.8	58.0	56.6	56.6	56.6	55.9	55.4	55.9	55.4	56.8	59.57
	17	59.9	61.0	58.2	58.0	56.2	56.1	56.0	55.8	55.0	55.0	55.9	57.0	59.57
	18	61.1	62.2	63.9	61.8	59.0	57.6	57.8 <sup>a</sup>	—	—	—	—	—	59.57
	19	—	—	—	—	—	—	—	58.1	57.4	57.2	57.7	61.1	59.57
	20	62.4	63.2	63.1	60.9	58.9	58.5	58.1	58.2	58.0	57.6	58.2	57.8	58.07
	21	59.0	60.4	61.1	59.4	58.6	58.6	58.0	56.3	56.2	56.0	56.2	57.1	56.95
	22	58.5	59.8	60.0	57.2	56.6	56.9	56.8	56.1	55.6	55.2	55.0	55.7	56.77
	23	57.4	60.8	57.8	57.7	55.7	56.5	56.0	56.0	55.7	55.0	55.8	56.8	57.02
	24	58.0	59.8	58.8	57.5	56.3	57.0	56.6	56.0	55.6	55.8	55.5	57.3	57.57
	25	60.8	60.6	60.4	58.6 <sup>a</sup>	56.8	56.3	56.2	—	—	—	—	—	57.56
	26	—	—	—	—	—	—	—	56.0	55.6	55.6	56.0	58.0	57.47
	27	61.5	61.7	60.4	58.4	56.9	56.6	56.4	56.0	55.4	55.0	55.2	57.2	58.72
	28	58.6	60.2	58.8	57.0	56.6	56.8	56.4	56.4	56.2	—	57.0	58.2	57.93
	29	62.0	62.4	61.9	59.4	58.1	57.0	57.2	57.0	57.0	56.8	57.2	58.6	
	30	60.3	60.9	60.0	58.5	57.1	57.2	55.5	56.9	56.8	56.5	56.8	59.0	
	Hourly Means	60.37	61.08	60.22	58.61	57.24	57.10	56.81	56.68	56.32	56.24	56.48	57.97	57.94

<sup>a</sup> Omitted in the hourly means.

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean. St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer.	OCTOBER.	1	58°0	58°6	58°1	57°2	56°9	57°0	56°2	55°2	55°1	54°2	54°5	56°4	56°45
		2	57°5	57°9	57°6	56°5	55°3	54°9	55°7	—	—	—	—	—	56°24
		3	—	—	—	—	—	—	—	55°8	55°8	55°4	55°5	57°0	56°74
		4	57°6	59°0	57°9	57°3	55°6	56°2	56°2	56°0	56°2	55°4	56°1	57°4	56°79
		5	58°8	58°4	57°9	57°2	56°0	56°6	55°8	54°8	55°8	56°6	56°2	57°4	56°45
		6	58°2	59°2	57°3	57°2	56°2	56°5	56°0	54°8	55°0	55°0	55°2	56°8	56°22
		7	58°1	58°3	58°3	57°2	55°6	55°4	55°0	55°0	54°2	55°0	55°5	57°1	56°91
		8	58°4	59°0	59°8	57°0	56°3	55°4	56°2	55°8	55°3	—	55°6	57°2	56°59
		9	59°7	60°3	60°8	59°0	56°6	56°9	56°8	—	—	—	—	—	56°33
		10	—	—	—	—	—	—	—	56°4	56°3	55°9	56°1	56°3	56°60
		11	56°9	58°3	57°9	57°1	56°4	56°4	56°8	55°5	54°6	55°2	54°8	56°1	56°16
		12	58°5	59°6	57°0	56°3	55°6	54°3	54°5	55°0	53°6	53°6	53°0	56°2	55°83
		13	58°0	59°8	59°0	56°6	55°3	55°6	55°4	55°4	54°4	54°4	54°4	55°6	55°77
		14	56°3	58°0	57°7	56°2	—	55°4	56°0	54°6	54°4	55°2	54°9	55°4	56°64
		15	57°1	57°1	57°6	57°1	56°2	55°6	54°5	54°0	53°8	54°8	55°3	56°2	56°59
		16	58°5	59°2	59°9	57°6	56°9	55°3	56°0	—	—	—	—	—	56°58
		17	—	—	—	—	—	—	—	54°9	55°0	55°2	54°6	56°6	57°02
		18	60°7	60°5	59°1	57°0	56°0	55°8	54°8	54°8	54°0	54°8	54°6	57°0	57°29
		19	59°8	61°0	58°8	56°8	55°4	55°4	55°6	55°2	55°0	54°3	54°9	56°8	55°85
		20	58°8	59°8	59°1	57°6	56°8	55°6	55°8	55°3	56°0	55°8	56°1	57°5	54°49
		21	58°5	61°2	60°1	58°2	56°6	56°2	55°9	55°7	55°9	55°2	55°8	58°2	55°58
		22	60°0	61°9	59°2	57°3	56°0	55°4	53°4	53°4	53°0	52°2	53°0	55°0	55°54
		23	56°1	56°7	56°5	54°9	54°0	53°4	53°6	—	—	—	—	—	55°32
		24	—	—	—	—	—	—	—	53°5	52°9	53°1	53°5	55°7	56°74
		25	57°6	59°0	57°2	56°3	54°4	54°7	54°6	54°5	54°4	53°8	54°7	55°8	56°83
		26	57°8	57°5	57°0	56°2	54°8	55°2	54°9	54°4	54°0	54°3	54°7	55°9	56°92
		27	57°3	57°8	57°2	56°0	55°4	54°6	54°2	54°2	54°1	53°2	54°4	55°4	56°33
		28	56°8	57°7	57°6	55°8	55°3	55°6	55°9	55°4	56°4	56°7	58°0	59°7	56°74
		29	59°1	58°4	58°2	56°8	56°2	56°2	55°7	55°5	56°0	55°4	56°5	58°0	56°83
		30	58°9	59°7	58°7	57°1	56°4	56°0	55°5	—	—	—	—	—	56°92
		31	—	—	—	—	—	—	—	55°7	55°8	56°2	56°4	56°7	56°33
Hourly Means		58°19	59°00	58°29	56°90	55°85	55°60	55°42	55°05	54°88	54°84	55°16	56°74	56°33	
Dry Thermometer.	OCTOBER.	1	61°0	61°9	60°9	58°6	57°4	57°4	57°0	55°7	56°0	55°2	55°8	58°0	57°91
		2	60°5	60°9	59°4	58°1	57°0	56°4	56°8	—	—	—	—	—	57°78
		3	—	—	—	—	—	—	—	56°8	56°6	56°4	56°6	57°9	57°62
		4	59°0	61°0	59°3	58°5	56°9	57°1	56°9	56°4	56°4	55°8	56°4	57°8	57°15
		5	59°2	58°7	58°2	57°4	56°2	57°0	56°2	55°2	56°4	57°0	56°6	57°7	57°95
		6	58°6	60°8	60°6	58°5	57°4	57°4	57°0	56°4	56°5	56°4	56°8	59°0	58°05
		7	61°6	61°0	60°2	58°6	57°0	56°9	56°4	56°6	56°2	56°2	56°7	59°2	58°98
		8	61°3	62°8	62°2	59°0	57°7	57°2	57°4	57°0	56°7	—	57°5	60°0	58°92
		9	62°2	62°7	62°7	60°4	58°0	58°1	57°8	—	—	—	—	—	58°02
		10	—	—	—	—	—	—	—	56°8	56°7	56°6	56°6	58°4	57°09
		11	58°4	60°7	61°0	59°1	57°5	57°3	57°5	56°1	55°6	56°6	56°8	59°6	57°16
		12	61°1	62°2	58°1	57°5	56°2	56°1	55°6	55°6	54°6	54°6	55°7	57°8	56°76
		13	59°8	61°6	60°3	57°2	56°8	56°2	56°6	56°0	55°0	54°6	55°7	56°1	57°29
		14	58°1	59°7	58°6	56°8	—	56°1	56°5	55°4	55°4	56°2	55°4	56°2	58°01
		15	59°6	59°0	59°6	58°2	57°0	56°6	56°3	55°6	56°0	56°0	56°2	57°4	58°15
		16	60°8	60°6	61°6	58°9	57°6	56°8	56°9	—	—	—	—	—	58°02
		17	—	—	—	—	—	—	—	56°2	56°2	56°2	55°6	58°7	58°24
		18	62°8	62°6	60°4	58°6	57°2	57°2	56°2	56°2	55°4	56°1	56°2	58°9	58°65
		19	61°8	63°0	60°5	58°3	56°9	56°6	56°8	56°3	56°1	55°6	55°9	58°4	58°06
		20	60°7	61°4	60°2	58°5	57°6	57°1	57°2	56°9	56°9	56°8	57°4	58°2	58°33
		21	60°2	63°4	61°4	59°2	57°8	57°4	57°0	56°7	56°9	56°2	57°2	60°4	59°06
		22	61°9	64°2	60°5	58°7	57°3	56°7	56°4	55°4	55°5	54°9	56°0	59°2	59°06
		23	61°4	61°6	62°2	59°8	57°4	56°6	56°3	—	—	—	—	—	58°44
		24	—	—	—	—	—	—	—	56°4	55°9	56°0	56°7	59°7	58°44
		25	63°4	65°5	63°6	61°5	57°4	56°7	56°6	56°2	56°2	55°8	56°9	58°9	57°96
		26	62°0	62°3	61°2	59°0	57°4	57°5	56°9	56°5	56°2	56°4	57°0	58°9	59°02
		27	61°2	61°9	61°4	58°5	57°2	56°4	56°1	56°0	55°8	55°2	56°8	59°0	58°16
		28	60°7	63°0	62°3	59°4	57°7	57°8	57°8	57°0	57°0	57°2	58°4	60°0	59°13
		29	59°4	59°2	59°8	58°8	57°6	57°8	57°2	57°0	57°2	57°0	57°7	59°2	58°16
		30	62°5	63°3	62°3	60°5	58°6	58°0	57°3	—	—	—	—	—	59°13
		31	—	—	—	—	—	—	—	57°0	56°9	57°0	57°6	58°6	58°07
Hourly Means		60°74	61°73	60°71	58°75	57°31	57°02	56°80	56°28	56°17	56°08	56°62	58°56	58°07	

\* Omitted in hourly means.

T

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21		
Wet Thermometer.	NOVEMBER.	1	58.1	58.3	58.3	57.3	56.1	56.6	56.0	56.2	55.2	55.4	55.6	56.8	56.66	
		2	58.7	58.0	57.7	56.9	55.6	56.4	55.6	55.0	54.8	54.6	56.0	56.2	56.29	
		3	57.8	58.1	58.1	57.9	57.9	58.4	58.0	—	—	57.0	57.4	58.8	57.94	
		4	59.4	59.0	59.1	58.0	56.8	57.4	56.4	56.4	56.9	55.8	56.3	57.8	57.8	57.44
		5	59.2	58.9	58.5	57.8	56.8	56.4	56.0	56.8	55.7	55.4	56.2	57.0	57.0	57.06
		6	58.4	59.5	59.0	57.2	56.0	55.7	55.4	—	—	—	—	—	—	56.46
		7	—	—	—	—	—	—	—	54.9	54.8	54.4	55.2	57.0	—	
		8	58.5	59.7	59.4	57.5	56.4	55.6	55.6	55.0	54.9	55.1	56.1	57.4	57.4	56.77
		9	58.5	59.4	59.9	59.2	57.2	57.5	56.8	56.6	56.1	55.8	56.8	58.6	58.6	57.70
		10	61.3	62.6	62.7	60.8	59.7	59.3	59.2	58.2	58.2	58.8	59.8	61.7	61.7	60.19
		11	61.6	61.4	61.1	60.8	59.9	59.6	58.9	58.0	56.6	55.7	56.1	58.2	58.2	58.99
		12	59.6	60.3	59.7	58.9	57.5	56.4	57.4	56.3	55.6	56.5	57.7	59.0	59.0	57.91
		13	61.2	60.8	61.5	60.3	58.8	58.6	58.6	—	—	—	—	—	—	59.56
		14	—	—	—	—	—	—	—	56.9	58.0	58.8	59.7	61.5	—	
		15	62.8	62.5	62.0	61.4	59.8	59.4	59.3	59.2	59.1	59.0	59.6	60.6	60.6	60.39
		16	61.6	61.7	61.4	60.4	59.7	60.4	60.1	59.4	59.0	59.2	60.0	60.9	60.9	60.32
		17	61.8	62.1	61.3	60.4	60.8	60.0	60.1	60.0	58.0	59.8	58.7	61.0	61.0	60.33
		18	60.9	61.8	61.2	60.6	59.6	60.2	58.3	58.8	58.8	58.6	58.6	58.4	59.6	59.73
		19	61.6	—	60.7	59.6	58.9	58.3	58.5	56.6	—	—	56.5	57.6	57.6	58.49
		20	59.8	—	60.4	59.9	56.7	57.8	56.0	—	—	—	—	—	—	57.56
		21	—	—	—	—	—	—	—	56.0	56.6	56.0	55.8	58.3	—	
		22	60.7	63.1	63.5	62.9	59.9	58.4	58.1	57.7	57.7	57.2	58.0	60.1	60.1	59.77
		23	61.9	64.2	64.0	60.8	59.0	58.8	58.4	58.9	59.2	58.4	58.6	61.3	61.3	60.29
		24	62.7	63.1	62.5	60.6	60.6	60.2	59.4	58.4	57.4	58.5	58.9	60.0	60.0	60.19
		25	60.6	62.3	61.3	60.8	59.6	59.5	57.8	58.2	57.8	57.6	58.5	60.0	60.0	59.50
		26	62.1	61.6	61.4	60.3	58.0	59.2	58.2	58.9	58.2	57.6	59.2	60.2	60.2	59.57
		27	61.4	64.7	64.9	62.2	60.5	60.9	59.8	—	—	—	—	—	—	60.99
		28	—	—	—	—	—	—	—	58.7	59.1	58.7	59.8	61.2	—	
		29	61.5	62.1	61.4	60.9	58.6	59.7	59.1	58.2	58.2	58.7	58.3	59.8	59.8	59.71
		30	61.3	63.0	63.2	61.8	60.6	59.0	60.6	59.8	59.6	59.0	59.8	61.8	61.8	60.79
		Hourly Means	60.50	61.17	60.93	59.82	58.50	58.45	57.98	57.56	57.28	57.26	57.81	59.32	58.88	
Dry Thermometer.	NOVEMBER.	1	61.9	60.9	60.1	59.1	57.4	57.6	57.3	57.3	56.7	56.5	56.9	59.1	58.40	
		2	62.8	61.7	60.9	59.0	58.0	58.0	57.6	57.0	56.8	56.6	57.8	59.0	58.77	
		3	61.8	62.6	61.3	59.9	58.0	59.0	58.6	—	—	57.4	57.7	59.1	59.54	
		4	59.7	59.3	60.7	60.0	58.2	58.4	57.4	57.0	57.6	56.6	57.6	59.0	58.46	
		5	61.3	61.2	60.1	58.6	57.4	57.8	57.0	57.0	56.8	56.6	57.0	58.2	58.25	
		6	61.0	63.6	62.9	59.8	57.8	57.2	56.8	—	—	—	—	—	—	58.71
		7	—	—	—	—	—	—	—	56.6	56.3	55.9	56.8	59.8	—	
		8	63.0	64.9	64.6	61.1	58.4	57.6	57.4	56.7	56.3	56.4	57.6	60.6	60.6	59.55
		9	62.5	64.4	65.1	63.2	58.9	58.9	58.1	57.6	57.2	56.9	58.0	60.9	60.9	60.14
		10	64.3	66.7	64.9	62.0	60.6	59.9	59.7	58.6	58.5	59.2	60.0	62.0	62.0	61.37
		11	61.9	64.0	65.1	63.4	60.9	60.4	59.7	59.0	58.2	58.0	58.8	62.8	62.8	61.01
		12	64.8	66.5	64.7	62.3	59.8	58.1	58.4	57.8	57.7	57.4	58.7	60.6	60.6	60.57
		13	64.9	65.5	66.4	63.6	60.2	59.8	59.6	—	—	—	—	—	—	61.68
		14	—	—	—	—	—	—	—	58.5	59.2	59.7	60.6	62.2	—	
		15	65.0	64.3	65.6	64.5	61.2	60.3	60.1	59.8	59.8	59.8	60.5	63.0	63.0	61.99
		16	65.6	65.7	66.0	62.2	61.0	61.1	60.6	60.0	59.8	60.4	60.7	62.2	62.2	62.11
		17	64.4	66.1	64.3	61.9	61.5	60.6	60.7	60.5	59.4	60.3	59.2	62.7	62.7	61.80
		18	63.9	65.6	65.3	62.4	60.6	61.0	59.8	59.7	59.5	59.2	59.0	60.3	60.3	61.36
		19	64.4	—	65.1	63.6	60.9	59.6	59.7	59.2	58.7	—	57.8	60.4	60.4	60.94
		20	64.4	—	64.1	61.2	59.6	59.6	58.7	—	—	—	—	—	—	60.48
		21	—	—	—	—	—	—	—	59.0	58.8	59.0	59.0	61.9	—	
		22	65.8	66.7	66.5	65.7	61.4	60.0	59.8	59.3	59.1	58.6	61.0	64.9	64.9	62.40
		23	66.7	68.4	67.9	63.2	60.9	60.5	59.9	59.9	60.2	59.9	61.0	66.2	66.2	62.89
		24	67.8	67.7	65.3	62.6	61.6	61.6	60.8	60.1	59.8	60.0	60.6	62.3	62.3	62.52
		25	63.6	66.9	66.0	63.2	61.0	60.7	60.2	60.2	59.7	59.6	60.6	63.7	63.7	62.12
		26	65.8	65.7	65.5	63.1	60.3	61.3	61.0	61.0	60.5	60.4	61.7	63.6	63.6	62.49
		27	67.6	70.5	67.7	64.2	62.5	62.2	61.8	—	—	—	—	—	—	63.46
		28	—	—	—	—	—	—	—	60.9	61.0	59.8	60.5	62.8	—	
		29	64.5	66.4	66.0	63.4	61.6	61.6	61.6	61.0	60.4	60.9	61.3	63.3	63.3	62.67
		30	63.8	67.4	67.4	63.4	62.0	61.5	61.9	60.2	60.2	59.8	60.6	63.8	63.8	62.67
		Hourly Means	63.97	65.11	64.60	62.18	60.07	59.78	59.39	58.96	58.73	58.60	59.27	61.71	61.02	

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21		
Wet Thermometer.	DECEMBER.	1	61.8	62.4	62.2	62.3	60.2	59.2	60.3	59.5	60.0	57.8	58.5	60.7	60.41	
		2	64.3	64.9	64.0	61.5	59.8	59.2	58.4	59.4	59.4	59.2	59.7	61.4	60.93	
		3	61.4	63.7	65.5	62.8	60.7	60.4	60.5	60.0	60.6	57.4	58.3	61.2	61.04	
		4	62.4	64.5	65.9	63.6	61.4	59.5	58.9	—	—	—	—	—	—	61.01
		5	—	—	—	—	—	—	—	59.4	59.2	58.0	58.8	60.5	—	
		6	62.9	64.9	66.0	62.6	60.8	60.9	61.1	60.7	60.4	60.0	58.4	62.5	61.77	
		7	65.2	63.6	64.9	63.2	61.6	61.6	61.4	61.9	62.0	61.6	61.7	61.9	62.55	
		8	63.0	62.8	63.3	62.2	60.8	59.8	60.3	60.3	59.1	57.8	60.5	60.0	60.82	
		9	62.6	65.6	65.0	62.3	60.5	59.3	58.3	57.6	57.9	59.1	58.1	59.3	60.47	
		10	64.4	66.0	63.5	62.4	60.0	60.5	58.2	59.0	59.3	60.2	58.9	63.0	61.28	
		11	65.8	66.1	65.3	63.3	60.9	61.0	60.2	—	—	—	—	—	—	61.62
		12	—	—	—	—	—	—	—	—	58.1	58.9	59.0	59.2	—	
		13	60.9	61.6	60.4	60.2	58.6	59.5	59.5	57.5	56.8	57.4	60.3	61.2	59.49	
		14	61.7	—	60.8	60.7	59.6	59.2	59.2	58.8	58.5	59.0	59.2	60.9	59.78	
		15	61.4	61.6	62.1	61.2	60.2	60.2	60.9	61.0	60.4	60.8	60.6	60.8	60.93	
		16	62.9	62.3	62.2	61.0	59.6	59.4	59.8	60.0	57.5	58.1	58.3	59.0	60.01	
		17	60.4	62.1	62.4	61.8	60.3	61.2	61.1	58.8	58.8	60.4	58.7	60.0	60.50	
		18	60.9	62.1	60.8	60.4	59.8	59.4	58.4	—	—	—	—	—	—	59.10
		19	—	—	—	—	—	—	—	56.4	58.3	57.8	56.8	58.1	—	
		20	60.0	61.2	61.8	59.7	58.9	58.4	56.8	56.4	56.0	56.5	58.8	58.8	58.61	
		21	60.0	62.1	60.6	59.9	59.6	59.2	59.0	56.8	58.0	57.0	58.0	59.6	59.15	
		22	60.2	61.2	60.0	59.8	58.7	59.6	58.2	59.1	56.7	57.2	58.4	59.6	59.06	
		23	59.6	61.0	59.6	61.0	58.8	58.4	59.6	58.1	59.1	58.2	57.1	58.4	59.07	
		24	59.2	60.2	59.2	60.2	58.6	58.4	58.6	—	—	—	—	—	—	58.64
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	
		26	—	—	—	—	—	—	—	58.0	58.0	56.8	58.0	58.5	—	
		27	59.0	60.8	62.2	60.2	59.0	59.1	59.6	59.5	59.0	59.5	60.1	60.6	59.88	
		28	61.8	61.4	60.7	59.6	60.2	58.8	59.2	59.0	58.9	58.2	58.3	60.0	59.67	
		29	61.0	62.2	61.6	60.2	59.9	59.3	59.5	58.8	58.8	59.9	59.6	60.7	60.12	
		30	61.8	62.0	61.9	60.9	60.8	60.9	60.9	60.0	58.4	59.4	58.4	59.8	60.43	
		31	61.2	62.0	62.5	60.5	59.0	58.2	58.0	58.2	58.2	57.8	58.0	60.0	59.47	
Hourly Means		61.76	62.73	62.48	61.29	59.93	59.64	59.46	58.97	58.75	58.62	58.87	60.22	60.22		
Dry Thermometer.	DECEMBER.	1	64.9	67.1	68.2	64.2	61.6	61.6	61.2	60.5	61.3	60.3	61.7	64.9	63.12	
		2	68.3	67.7	66.9	63.8	61.5	61.5	61.6	61.8	60.8	60.6	60.9	64.3	63.31	
		3	64.5	68.3	69.2	64.6	62.4	61.8	61.7	61.4	61.5	60.6	62.1	64.1	63.52	
		4	65.8	68.4	69.2	65.4	62.8	62.0	61.7	—	—	—	—	—	—	63.59
		5	—	—	—	—	—	—	—	61.4	60.5	60.8	61.4	63.7	—	
		6	65.5	67.5	68.4	64.2	61.8	61.6	61.8	61.3	61.0	60.8	60.9	60.9	65.5	63.36
		7	68.0	65.6	66.6	64.2	62.2	62.2	62.0	62.2	62.2	61.8	62.0	62.5	63.46	
		8	65.1	65.4	66.5	63.4	61.8	61.6	61.6	61.0	60.3	59.8	61.5	61.2	62.43	
		9	62.8	68.2	66.7	64.1	61.8	60.9	60.1	60.6	60.5	60.7	60.2	62.7	62.44	
		10	66.1	69.5	65.0	63.7	61.4	61.5	61.3	61.1	60.4	61.1	61.9	65.5	63.21	
		11	67.7	68.4	67.1	64.8	61.7	61.4	60.6	—	—	—	—	—	—	63.25
		12	—	—	—	—	—	—	—	—	60.2	60.5	59.9	63.4	—	
		13	63.2	66.3	67.7	63.8	60.8	61.0	61.1	60.5	60.9	60.7	62.2	65.6	62.82	
		14	66.7	—	65.2	64.5	61.8	61.1	60.8	60.4	60.0	60.3	61.2	63.6	62.33	
		15	65.4	68.1	68.5	65.2	62.3	62.0	62.2	62.2	61.6	61.6	61.8	64.0	63.74	
		16	67.1	66.4	66.2	64.0	61.9	61.0	61.4	61.2	60.7	61.2	61.5	64.0	63.05	
		17	66.6	70.2	68.7	64.4	62.5	62.2	62.6	60.9	61.4	61.8	61.1	62.1	63.71	
		18	62.6	67.7	66.9	63.5	62.0	61.4	60.8	—	—	—	—	—	—	62.47
		19	—	—	—	—	—	—	—	60.0	60.3	60.8	60.6	63.1	—	
		20	67.0	68.1	68.8	64.6	62.0	61.8	61.0	61.2	60.9	61.0	61.0	64.1	63.46	
		21	63.0	69.3	66.6	63.6	62.3	61.6	62.1	61.0	60.6	60.6	61.3	61.4	62.78	
		22	65.1	66.0	64.2	63.3	61.8	61.4	61.2	61.3	60.5	60.7	61.2	62.0	62.39	
		23	65.8	68.2	66.1	65.8	62.0	61.2	61.6	60.8	61.0	60.8	61.6	64.8	63.31	
		24	67.2	67.2	67.6	65.4	62.0	61.4	61.2	—	—	—	—	—	—	63.17
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	
		26	—	—	—	—	—	—	—	60.6	60.3	60.2	62.2	62.8	—	
		27	61.2	62.6	66.0	63.1	60.4	61.0	61.2	60.6	60.2	60.5	61.4	63.4	61.80	
		28	65.7	65.9	65.3	64.3	62.4	61.4	61.8	61.0	60.0	59.8	60.4	62.1	62.51	
		29	63.2	65.3	65.2	62.3	61.1	61.5	60.9	60.4	60.0	60.4	60.4	61.9	61.88	
		30	63.3	68.4	68.3	64.8	62.6	62.2	61.8	61.0	60.1	61.2	61.4	64.3	63.28	
		31	66.1	67.0	66.8	64.3	62.6	61.7	61.0	60.8	61.0	60.4	60.8	64.3	63.07	
Hourly Means		65.30	67.31	67.00	64.20	61.90	61.54	61.40	61.01	60.70	60.73	61.25	63.51	62.98		

<sup>a</sup> Christmas Day.

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 } St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	JANUARY.	1	78	69	68	74	84	89	91	93	95	90	94	81	84	
		2	71	72	75	84	90	93	84	—	—	—	—	—	84	
		3	—	—	—	—	—	—	—	90	90	91	90	82	84	
		4	74	72	72	74	87	88	89	89	89	92	92	93	93	85
		5	86	80	78	80	86	87	89	92	92	95	92	96	94	88
		6	83	82	94	96	95	96	96	96	96	97	97	98	98	94
		7	97	91	93	97	97	97	97	96	96	87	87	91	84	93
		8	76	77	80	87	88	88	88	88	79	74	77	88	74	81
		9	67	90	70	83	88	90	89	—	—	—	—	—	—	84
		10	—	—	—	—	—	—	—	—	88	91	91	89	77	84
		11	71	74	75	82	84	85	87	86	87	87	87	83	70	81
		12	78	65	76	72	84	84	88	84	85	81	77	77	76	79
		13	70	70	71	78	88	89	89	80	73	81	73	73	77	78
		14	70	70	85	80	89	89	91	88	93	87	77	77	91	84
		15	68	63	69	83	89	90	92	92	92	92	92	96	79	84
		16	80	63	73	75	87	89	88	—	—	—	—	—	—	84
		17	—	—	—	—	—	—	—	89	78	86	87	85	—	82
		18	66	—	71	71	68	89	89	90	94	96	95	92	92	84
		19	81	76	74	82	88	89	89	89	91	94	91	88	88	86
		20	84	82	90	89	91	91	94	91	90	95	95	87	90	90
		21	74	72	74	81	85	84	95	91	82	91	91	75	83	83
		22	76	76	75	88	87	93	94	95	96	—	—	87	88	87
		23	81	75	75	91	99	96	92	—	—	—	—	—	—	83
		24	—	—	—	—	—	—	—	89	81	76	71	73	—	83
		25	68	64	64	70	69	75	76	84	86	75	82	75	75	74
		26	74	89	100	86	89	91	92	94	86	78	89	89	89	88
		27	76	71	72	90	90	95	96	96	91	95	92	80	87	87
		28	78	84	75	85	86	89	90	95	93	93	92	83	87	87
		29	75	79	67	70	81	87	89	92	93	93	87	88	88	83
		30	90	73	73	73	92	94	90	—	—	—	—	—	—	86
		31	—	—	—	—	—	—	—	91	91	91	91	83	—	86
Hourly Means		77	75	76	82	87	89	90	90	89	88	88	83	85		
Tension of the Vapour.	JANUARY.	1	In. .488	In. .468	In. .476	In. .456	In. .468	In. .492	In. .499	In. .504	In. .508	In. .464	In. .518	In. .507	In. .487	
		2	.488	.498	.507	.515	.519	.516	.448	—	—	—	—	—	.492	
		3	—	—	—	—	—	—	—	.480	.478	.488	.494	.471	.489	
		4	.486	.484	.491	.477	.489	.479	.488	.481	.501	.503	.489	.504	.489	.489
		5	.504	.505	.484	.470	.473	.459	.475	.468	.485	.474	.498	.500	.483	.483
		6	.502	.508	.540	.511	.506	.510	.512	.500	.511	.509	.519	.543	.514	.514
		7	.553	.553	.540	.540	.537	.524	.508	.492	.446	.454	.476	.483	.509	.509
		8	.499	.511	.508	.505	.489	.471	.462	.406	.383	.400	.460	.416	.459	.459
		9	.428	.608	.461	.486	.489	.486	.475	—	—	—	—	—	—	.484
		10	—	—	—	—	—	—	—	.471	.482	.473	.476	.476	.476	.484
		11	.475	.485	.477	.481	.469	.458	.468	.452	.456	.454	.437	.426	.461	.461
		12	.482	.468	.476	.455	.474	.453	.472	.444	.439	.427	.423	.467	.457	.457
		13	.464	.477	.470	.470	.489	.491	.475	.423	.389	.430	.403	.472	.454	.454
		14	.464	.457	.511	.468	.475	.464	.481	.458	.488	.436	.421	.479	.467	.467
		15	.471	.462	.460	.496	.489	.497	.508	.502	.496	.498	.510	.473	.488	.488
		16	.496	.455	.473	.459	.504	.510	.489	—	—	—	—	—	—	.474
		17	—	—	—	—	—	—	—	.481	.415	.455	.463	.493	.474	.474
		18	.438	—	.473	.477	.435	.495	.483	.481	.490	.502	.491	.506	.479	.479
		19	.486	.485	.467	.481	.488	.492	.477	.490	.488	.494	.475	.491	.484	.484
		20	.544	.520	.528	.532	.514	.498	.518	.511	.481	.478	.510	.490	.510	.510
		21	.486	.481	.491	.501	.481	.460	.523	.486	.417	.497	.510	.482	.485	.485
		22	.520	.532	.502	.552	.513	.531	.530	.527	.538	—	.486	.545	.525	.525
		23	.546	.530	.535	.559	.577	.541	.543	—	—	—	—	—	—	.498
		24	—	—	—	—	—	—	—	.493	.436	.409	.384	.426	.498	.498
		25	.429	.437	.443	.422	.386	.411	.422	.453	.455	.414	.453	.454	.432	.432
		26	.480	.524	.548	.486	.481	.501	.502	.512	.460	.421	.495	.532	.495	.495
		27	.493	.481	.493	.538	.515	.518	.523	.516	.483	.516	.504	.504	.507	.507
		28	.520	.528	.502	.509	.497	.509	.512	.513	.493	.499	.511	.506	.508	.508
		29	.503	.503	.481	.482	.488	.523	.521	.527	.522	.517	.490	.543	.508	.508
		30	.543	.528	.530	.515	.544	.554	.523	—	—	—	—	—	—	.527
		31	—	—	—	—	—	—	—	.522	.514	.516	.522	.510	—	.527
Hourly Means		.492	.499	.495	.494	.492	.494	.494	.484	.471	.469	.478	.488	.488		

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.														
Hours of Mean Gottingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21	
Humidity of the Air. FEBRUARY.	1	61	57	59	67	69	82	87	83	83	87	89	85	76
	2	76	69	73	64	74	81	84	—	87	89	91	76	78
	3	67	59	61	59	74	79	84	86	87	86	86	66	74
	4	61	70	66	68	—	79	82	82	84	87	87	80	77
	5	87	72	63	69	82	81	88	88	—	89	87	77	80
	6	90	93	84	73	80	87	91	—	—	—	—	—	89
	7	—	—	—	—	—	—	—	93	91	92	95	94	88
	8	83	65	67	93	94	92	94	94	92	95	91	92	82
	9	72	64	75	80	89	89	88	87	89	—	87	78	83
	10	79	87	76	81	83	87	88	76	78	83	91	87	81
	11	72	63	64	80	87	88	89	90	94	85	80	86	84
	12	73	92	72	70	86	87	92	89	89	90	89	75	79
	13	65	67	61	73	86	87	86	—	—	—	—	—	79
	14	—	—	—	—	—	—	—	88	87	80	85	82	79
	15	66	61	68	68	80	82	87	91	91	81	92	83	90
	16	76	87	75	90	91	94	92	93	95	96	94	92	90
	17	89	83	85	83	92	96	91	94	95	92	90	89	90
	18	81	92	93	98	98	98	97	97	96	94	97	94	95
	19	88	89	93	98	99	99	97	99	99	99	99	99	96
	20	97	92	93	98	97	92	98	—	—	—	—	—	96
	21	—	—	—	—	—	—	—	96	97	98	98	98	92
	22	92	90	87	93	92	94	93	97	94	91	91	93	91
	23	92	93	87	88	89	91	92	94	93	90	92	89	87
	24	84	90	81	74	85	87	89	93	94	94	87	83	92
	25	88	80	80	80	92	96	97	97	96	97	99	98	96
	26	97	97	95	98	96	96	96	92	97	97	98	97	95
	27	94	96	93	89	90	91	93	—	—	—	—	—	95
	28	—	—	—	—	—	—	—	98	99	99	99	99	—
Hourly Means		80	79	77	81	87	89	91	91	92	91	91	87	86
Tension of the Vapour. FEBRUARY.	1	.453	.449	.445	.478	.447	.494	.505	.448	.460	.489	.530	.525	.477
	2	.507	.508	.522	.432	.453	.459	.468	—	.463	.465	.489	.467	.476
	3	.483	.433	.458	.405	.451	.445	.468	.459	.460	.454	.494	.446	.455
	4	.449	.522	.488	.482	—	.448	.456	.445	.469	.491	.487	.505	.476
	5	.557	.515	.430	.471	.493	.476	.504	.517	—	.492	.499	.501	.496
	6	.537	.565	.536	.488	.486	.510	.539	—	—	—	—	—	.537
	7	—	—	—	—	—	—	—	.550	.539	.542	.555	.602	.548
	8	.592	.508	.505	.588	.563	.554	.561	.547	.533	.543	.519	.559	.548
	9	.512	.481	.550	.504	.544	.534	.523	.500	.513	—	.505	.507	.516
	10	.508	.546	.514	.508	.500	.512	.510	.429	.451	.484	.507	.513	.498
	11	.492	.462	.483	.522	.526	.522	.531	.526	.544	.476	.454	.537	.506
	12	.517	.560	.508	.501	.518	.502	.515	.503	.517	.525	.520	.458	.512
	13	.464	.496	.453	.508	.540	.535	.512	—	—	—	—	—	.502
	14	—	—	—	—	—	—	—	.509	.502	.457	.513	.533	.514
	15	.470	.469	.520	.506	.518	.504	.532	.549	.542	.476	.543	.536	.558
	16	.541	.599	.543	.584	.537	.575	.548	.554	.553	.556	.547	.561	.549
	17	.555	.565	.573	.532	.547	.564	.541	.543	.551	.527	.526	.565	.578
	18	.567	.612	.613	.590	.583	.583	.552	.576	.544	.548	.577	.596	.608
	19	.578	.612	.600	.609	.610	.625	.608	.599	.601	.606	.608	.635	.597
	20	.627	.623	.623	.629	.602	.559	.594	—	—	—	—	—	.562
	21	—	—	—	—	—	—	—	.577	.576	.575	.587	.597	.537
	22	.597	.605	.581	.573	.554	.567	.557	.576	.547	.511	.530	.551	.562
	23	.562	.592	.547	.546	.525	.530	.533	.535	.510	.500	.518	.546	.537
	24	.540	.577	.539	.487	.511	.515	.521	.543	.546	.535	.506	.547	.531
	25	.601	.574	.582	.570	.584	.600	.602	.591	.575	.567	.586	.599	.586
	26	.613	.622	.611	.598	.581	.577	.571	.545	.560	.567	.563	.577	.582
	27	.575	.575	.552	.540	.530	.540	.547	—	—	—	—	—	.569
	28	—	—	—	—	—	—	—	.592	.586	.588	.594	.609	—
Hourly Means		.537	.545	.532	.527	.531	.530	.533	.531	.528	.521	.531	.545	.533



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 } St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	MARCH.	1	99	98	97	98	99	98	99	99	99	99	99	99	99	
		2	99	99	99	99	98	98	98	98	96	96	98	97	98	
		3	87	89	85	94	92	93	94	90	90	94	92	91	82	
		4	75	72	70	80	88	89	93	97	93	92	92	89	81	85
		5	81	75	77	84	88	94	95	92	92	95	—	96	95	88
		6	90	86	79	73	87	92	94	—	—	—	—	—	—	89
		7	—	—	—	—	—	—	—	—	92	92	95	99	89	89
		8	83	79	80	84	89	91	92	92	93	91	89	94	89	88
		9	78	76	—	72	89	89	89	89	87	90	92	—	87	85
		10	93	83	82	86	89	91	92	92	94	96	96	97	92	91
		11	95	84	—	—	—	97	97	99	99	99	99	99	99	—
		12	97	97	95	98	98	99	98	98	98	98	97	99	99	98
		13	91	91	93	93	86	94	89	—	—	—	—	—	—	92
		14	—	—	—	—	—	—	—	—	92	96	97	96	82	92
		15	89	92	90	92	95	97	93	99	99	99	98	97	96	95
		16	92	86	86	92	98	97	98	99	99	99	98	98	99	95
		17	99	97	97	97	98	98	98	98	98	98	99	99	99	98
		18	98	96	97	98	99	98	98	98	98	99	99	98	98	98
		19	98	98	98	98	98	97	97	97	97	97	97	98	95	97
		20	86	81	84	82	87	85	86	—	—	—	—	—	—	84
		21	—	—	—	—	—	—	—	—	87	87	82	81	81	86
		22	76	79	75	83	87	91	88	94	94	88	93	89	89	87
		23	75	81	81	81	85	89	88	91	92	92	93	94	91	86
		24	84	82	78	85	88	90	90	91	87	87	94	79	81	84
		25	76	79	80	84	87	88	87	87	87	88	82	82	84	84
		26	88	86	87	89	91	90	89	96	96	94	94	92	88	90
		27	85	85	87	94	94	97	96	—	—	—	—	—	—	90
		28	—	—	—	—	—	—	—	—	91	92	88	88	88	92
		29	88	89	92	94	97	94	93	94	94	94	95	93	85	91
		30	87	84	91	93	95	93	94	92	90	94	94	90	90	91
		31	89	90	91	92	93	93	97	93	93	93	88	89	90	91
Hourly Means		88	86	87	89	92	93	93	94	94	94	93	91	91		
Tension of the Vapour.	MARCH.	1	.628	.642	.628	.619	.610	.609	.606	.597	.600	.606	.605	.612	.613	
		2	.632	.636	.624	.616	.595	.578	.595	.568	.569	.571	.570	.592	.595	
		3	.610	.615	.594	.608	.582	.548	.548	.527	.529	.518	.531	.518	.561	
		4	.518	.524	.511	.524	.535	.542	.566	.570	.546	.536	.525	.550	.537	
		5	.553	.555	.557	.561	.551	.563	.587	.539	.521	—	.568	.598	.559	
		6	.604	.594	.527	.497	.540	.562	.567	—	—	—	—	—	—	
		7	—	—	—	—	—	—	—	.533	.533	.550	.576	.586	.556	
		8	.591	.577	.587	.577	.555	.557	.552	.549	.528	.544	.560	.577	.563	
		9	.558	.540	—	.504	.557	.547	.542	.523	.533	.541	—	.560	.490	
		10	.603	.581	.605	.617	.562	.546	.549	.547	.549	.557	.592	.616	.577	
		11	.673	.632	—	—	—	.602	.611	.624	.595	.626	.624	.633	—	
		12	.631	.651	.636	.639	.625	.633	.616	.608	.608	.610	.628	.640	.627	
		13	.636	.611	.618	.579	.553	.569	.540	—	—	—	—	—	—	
		14	—	—	—	—	—	—	—	.539	.548	.586	.584	.545	.576	
		15	.621	.613	.612	.614	.598	.609	.591	.620	.617	.621	.585	.635	.611	
		16	.635	.628	.600	.608	.616	.615	.616	.606	.600	.613	.604	.633	.614	
		17	.643	.644	.639	.630	.623	.623	.616	.609	.595	.607	.616	.643	.624	
		18	.654	.664	.649	.622	.628	.609	.621	.609	.602	.588	.599	.621	.622	
		19	.620	.627	.625	.599	.599	.560	.568	.558	.557	.556	.563	.556	.582	
		20	.559	.551	.561	.514	.521	.498	.511	—	—	—	—	—	—	
		21	—	—	—	—	—	—	—	.527	.520	.479	.488	.515	.520	
		22	.540	.548	.539	.539	.543	.553	.529	.570	.521	.557	.527	.559	.544	
		23	.525	.577	.577	.566	.549	.559	.549	.552	.545	.546	.570	.561	.556	
		24	.563	.569	.541	.556	.541	.543	.533	.541	.508	.556	.473	.521	.537	
		25	.533	.548	.557	.541	.518	.513	.504	.489	.506	.453	.481	.527	.514	
		26	.580	.623	.636	.602	.645	.538	.513	.556	.541	.541	.550	.581	.575	
		27	.626	.640	.656	.639	.605	.610	.592	—	—	—	—	—	—	
		28	—	—	—	—	—	—	—	.553	.566	.533	.539	.580	.595	
		29	.638	.663	.676	.643	.607	.575	.547	.559	.556	.573	.566	.574	.631	
		30	.609	.619	.664	.620	.589	.562	.574	.544	.535	.559	.541	.594	.584	
		31	.650	.652	.640	.609	.573	.573	.589	.552	.549	.523	.535	.612	.588	
Hourly Means		.601	.601	.602	.586	.578	.570	.568	.562	.555	.560	.561	.583	.577		

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	APRIL.	1	89	90	91	94	94	95	95	93	91	89	87	92	92	
		2	88	92	91	95	97	94	93	94	89	93	90	87	92	
		3	89	90	91	93	92	92	93	—	—	—	—	—	92	
		4	—	—	—	—	—	—	—	—	93	96	92	89	90	92
		5	90	94	91	91	97	97	97	97	97	96	98	99	98	95
		6	92	94	97	97	99	99	99	99	99	97	98	95	98	97
		7	92	90	89	89	96	98	97	97	89	93	94	96	94	93
		8	92	89	92	92	95	93	96	—	—	—	—	—	—	94
		9 <sup>a</sup>	—	—	—	—	—	—	—	—	97	99	95	95	97	94
		10	90	91	97	94	95	92	89	—	—	—	—	—	—	93
		11	—	—	—	—	—	—	—	—	95	—	94	95	93	94
		12	90	92	90	91	94	95	95	95	96	96	96	95	98	94
		13	89	90	92	91	95	95	95	95	95	95	94	94	89	94
		14	92	92	92	95	96	95	96	96	96	96	—	96	97	95
		15	87	89	91	92	93	93	94	96	96	96	96	97	97	93
		16	86	90	93	92	97	98	97	92	92	92	92	92	93	92
		17	92	93	91	92	95	91	96	—	—	—	—	—	—	95
		18	—	—	—	—	—	—	—	—	96	98	99	99	97	94
		19	89	93	91	93	97	97	97	97	96	95	—	95	94	94
		20	93	93	92	94	97	98	95	96	96	96	97	96	92	95
		21	93	92	93	94	95	95	95	96	92	92	92	95	93	94
		22	97	94	93	96	98	99	98	90	98	99	99	98	99	97
		23	97	93	91	95	97	96	96	87	98	98	96	96	99	95
		24	87	89	92	94	95	97	97	—	—	—	—	—	—	95
		25	—	—	—	—	—	—	—	—	95	95	97	97	99	94
		26	99	98	98	97	98	97	96	97	97	97	98	—	96	97
		27	91	92	92	93	95	94	96	97	97	96	96	96	93	94
		28	92	91	91	92	97	97	94	97	99	99	98	97	98	95
		29	91	93	93	93	94	95	95	98	96	99	99	99	89	95
		30	93	92	94	—	95	96	97	95	97	97	97	97	94	95
		Hourly Means		91	92	92	93	96	96	96	95	96	96	95	95	94
Tension of the Vapour.	APRIL.	1	.650	.675	.664	.626	.575	.578	.573	.564	.542	.521	.523	.617	.592	
		2	.613	.660	.646	.631	.610	.584	.561	.563	.532	.550	.537	.574	.588	
		3	.599	.649	.658	.613	.564	.562	.558	—	—	—	—	—	.582	
		4	—	—	—	—	—	—	—	.547	.576	.537	.526	.592	.582	
		5	.608	.654	.642	.623	.618	.613	.611	.604	.592	.599	.606	.632	.617	
		6	.640	.661	.642	.628	.617	.612	.605	.596	.585	.563	.565	.598	.609	
		7	.593	.611	.586	.568	.581	.571	.570	.543	.534	.535	.533	.558	.567	
		8	.582	.592	.590	.572	.582	.552	.564	—	—	—	—	—	.577	
		9 <sup>a</sup>	—	—	—	—	—	—	—	.582	.595	.555	.565	.594	.577	
		10	.597	.588	.632	.582	.570	.545	.527	—	—	—	—	—	.568	
		11	—	—	—	—	—	—	—	.547	—	.521	.566	.568	.571	
		12	.571	.613	.615	.590	.553	.552	.544	.540	.555	.559	.557	.603	.571	
		13	.573	.614	.606	.590	.555	.547	.553	.563	.552	.539	.550	.559	.567	
		14	.604	.615	.630	.570	.562	.540	.553	.545	.540	—	.564	.594	.574	
		15	.584	.615	.633	.604	.557	.562	.576	.562	.577	.540	.537	.589	.578	
		16	.574	.631	.664	.599	.590	.563	.542	.533	.533	.535	.543	.619	.577	
		17	.638	.633	.624	.611	.579	.541	.549	—	—	—	—	—	.595	
		18	—	—	—	—	—	—	—	.567	.592	.594	.602	.610	.598	
		19	.605	.631	.635	.623	.606	.589	.584	.576	.564	.576	.562	.608	.598	
		20	.616	.667	.643	.625	.589	.596	.577	.578	.576	.570	.575	.597	.601	
		21	.636	.638	.630	.608	.580	.565	.565	.564	.567	.561	.574	.594	.590	
		22	.646	.620	.630	.630	.609	.609	.611	.532	.604	.600	.603	.623	.610	
		23	.648	.648	.637	.624	.590	.573	.581	.519	.587	.571	.569	.602	.596	
		24	.596	.627	.634	.629	.593	.591	.585	—	—	—	—	—	.587	
		25	—	—	—	—	—	—	—	.536	.535	.551	.570	.596	.593	
		26	.606	.606	.616	.591	.587	.583	.577	.582	.573	.587	—	.610	.593	
		27	.603	.590	.594	.573	.551	.536	.538	.549	.537	.530	.543	.574	.560	
		28	.599	.632	.625	.590	.589	.591	.557	.585	.593	.587	.593	.615	.596	
		29	.605	.604	.593	.568	.555	.577	.551	.567	.556	.577	.561	.542	.571	
		30	.587	.594	.602	—	.554	.562	.539	.532	.532	.524	.531	.584	.558	
		Hourly Means		.607	.627	.627	.603	.581	.572	.566	.559	.564	.557	.562	.594	.585

<sup>a</sup> Good Friday.

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 St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	MAY.	1	96	94	94	96	95	95	97	—	—	—	—	—	94	
		2	—	—	—	—	—	—	—	90	91	94	92	96		
		3	94	91	92	92	96	94	93	93	92	91	95	92	93	
		4	96	96	94	94	92	95	94	96	92	91	96	96	94	
		5	93	93	94	95	90	92	92	97	97	97	96	97	94	
		6	93	96	96	97	97	98	96	97	97	99	99	99	97	
		7	99	96	95	87	88	89	95	96	96	95	97	92	93	94
		8	88	93	98	96	97	96	96	—	—	—	—	—	—	95
		9	—	—	—	—	—	—	—	—	91	92	97	96	97	
		10	93	94	97	95	98	94	96	96	97	96	95	99	93	96
		11	92	98	94	96	97	98	96	96	93	95	—	—	—	—
		12	92	86	93	89	94	95	95	96	96	96	97	98	96	94
		13	96	91	91	96	97	98	98	98	98	93	96	96	92	95
		14	87	88	86	89	89	88	95	89	89	88	—	84	96	89
		15	79	81	83	82	82	81	82	—	—	—	—	—	—	83
		16	—	—	—	—	—	—	—	—	93	87	76	85	79	
		17	85	80	81	86	89	88	88	88	88	84	87	90	83	86
		18	69	63	64	70	87	90	89	86	91	81	81	84	87	80
		19	71	71	71	80	80	78	81	81	82	—	—	86	78	78
		20	79	84	83	82	83	84	83	86	89	89	89	88	86	85
		21	78	81	76	77	86	85	88	88	89	89	91	88	83	84
		22	71	72	71	77	84	88	90	—	—	—	—	—	—	80
		23	—	—	—	—	—	—	—	—	79	80	82	86	77	
		24	64	72	76	76	83	84	86	87	86	86	—	87	85	81
		25	77	73	73	79	85	89	87	88	88	90	90	90	84	84
		26	78	75	75	78	84	87	87	87	88	90	90	90	95	85
		27	78	82	79	82	84	86	85	87	84	87	87	84	83	83
		28	80	84	85	83	87	80	82	85	85	91	84	84	79	84
		29	79	77	79	78	79	85	92	—	—	—	—	—	—	82
		30	—	—	—	—	—	—	—	—	67 <sup>a</sup>	96	—	85	89	
		31	85	83	83	88	91	91	94	93	95	95	95	90	96	90
Hourly Means		84	84	85	86	89	90	91	90	90	91	90	89	88		
Tension of the Vapour.	MAY.	1	.572	.575	.594	.581	.555	.547	.559	—	—	—	—	—	.554	
		2	—	—	—	—	—	—	—	.510	.512	.516	.527	.595		
		3	.596	.601	.590	.552	.566	.540	.522	.528	.515	.507	.545	.554	.551	
		4	.621	.583	.569	.531	.506	.513	.506	.516	.483	.490	.538	.545	.533	
		5	.581	.605	.593	.562	.515	.548	.558	.540	.548	.540	.538	.553	.557	
		6	.576	.582	.572	.548	.540	.538	.533	.541	.540	.541	.539	.558	.551	
		7	.565	.557	.552	.501	.494	.497	.535	.533	.505	.518	.515	.531	.525	
		8	.536	.560	.554	.543	.525	.523	.525	—	—	—	—	—	—	.536
		9	—	—	—	—	—	—	—	.503	.495	.558	.534	.580	—	
		10	.606	.591	.593	.569	.567	.529	.552	.555	.534	.532	.577	.564	—	.564
		11	.583	.625	.612	.572	.558	.556	.545	.517	.523	—	—	—	—	—
		12	.576	.555	.582	.531	.544	.555	.523	.537	.545	.542	.567	.571	.552	.552
		13	.619	.612	.607	.597	.586	.587	.578	.587	.553	.548	.548	.542	.542	.580
		14	.532	.539	.537	.517	.495	.486	.518	.475	.478	—	.453	.502	.503	.503
		15	.475	.489	.493	.458	.460	.446	.456	—	—	—	—	—	—	.470
		16	—	—	—	—	—	—	—	.516	.479	.411	.472	.483	—	
		17	.535	.528	.530	.508	.512	.499	.491	.485	.451	.462	.504	.482	.499	.499
		18	.435	.420	.418	.416	.494	.496	.494	.473	.481	.430	.456	.498	.459	.459
		19	.460	.443	.456	.464	.419	.403	.403	.418	.423	—	.429	.451	.434	.434
		20	.497	.484	.480	.491	.453	.418	.407	.415	.419	.439	.431	.497	.453	.453
		21	.512	.510	.520	.501	.492	.462	.463	.453	.449	.471	.459	.484	.481	.481
		22	.453	.497	.489	.498	.476	.492	.504	—	—	—	—	—	—	.454
		23	—	—	—	—	—	—	—	.394	.392	.388	.430	.440	—	
		24	.397	.482	.494	.477	.448	.456	.445	.443	.431	—	.445	.481	.455	.455
		25	.495	.479	.478	.472	.458	.463	.457	.447	.448	.465	.482	.484	.469	.469
		26	.483	.479	.482	.463	.461	.472	.465	.460	.474	.481	.486	.544	.479	.479
		27	.484	.508	.483	.469	.464	.479	.462	.465	.448	.462	.457	.492	.473	.473
		28	.506	.493	.495	.453	.468	.427	.437	.454	.436	.462	.439	.452	.460	.460
		29	.484	.457	.443	.441	.433	.457	.481	—	—	—	—	—	—	.452
		30	—	—	—	—	—	—	—	.388 <sup>a</sup>	.472	—	.427	.484	—	
		31	.482	.489	.486	.473	.495	.489	.500	.493	.503	.504	.466	.508	.491	.491
Hourly Means		.525	.529	.527	.507	.499	.495	.497	.490	.482	.489	.491	.515	.504		

<sup>a</sup> Omitted in the hourly means.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.															
Hours of Mean Gottingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air.	JUNE.	1	96	93	89	92	94	96	96	96	96	97	96	96	95
		2	92	90	92	90	92	91	94	95	96	97	96	91	93
		3	94	91	89	88	92	91	91	91	92	92	92	89	95
		4	91	88	92	91	92	94	95	93	96	96	96	95	93
		5	89	83	87	88	91	92	95	—	—	—	—	—	91
		6	—	—	—	—	—	—	—	—	96	95	96	94	90
		7	83	79	77	83	87	91	91	91	92	93	94	95	92
		8	87	86	84	89	89	90	91	91	91	92	92	90	82
		9	76	71	79	79	86	88	89	90	89	89	89	89	83
		10	79	73	76	84	88	90	87	85	84	88	89	89	83
		11	77	78	79	85	86	86	84	87	87	89	90	94	87
		12	88	95	94	95	88	88	87	—	—	—	—	—	—
		13	—	—	—	—	—	—	—	—	94	87	82	82	86
		14	80	88	95	86	96	94	89	89	94	91	91	91	95
		15	96	89	95	94	93	93	95	88	93	91	91	94	94
		16	87	87	87	88	92	92	93	96	94	93	96	96	94
		17	88	90	93	88	94	78	78	80	82	80	81	80	80
		18	72	72	77	85	87	87	86	87	82	76	79	79	78
		19	78	77	82	83	88	85	74	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	73	74	62	82	81
		21	77	79	77	86	83	86	89	87	88	—	—	86	74
		22	82	—	80	89	87	87	83	89	90	84	93	96	87
		23	88	94	84	85	87	88	93	94	91	94	96	87	87
		24	91	90	82	92	90	89	76	82	76	89	88	91	86
		25	83	79	88	89	89	92	92	90	84	86	89	82	87
		26	77	77	79	89	88	92	93	—	—	—	—	—	—
		27	—	—	—	—	—	—	—	87	86	—	—	87	85
		28	84	93	—	87	88	91	94	—	—	—	—	—	—
		29	—	—	—	—	—	—	—	89	91	89	87	87	82
		30	78	82	79	85	94	95	87	95	94	95	93	93	91
Hourly Means		85	84	85	88	90	90	89	90	89	89	90	87	88	
Tension of the Vapour.	JUNE.	1	In. .540	In. .550	In. .543	In. .518	In. .504	In. .515	In. .510	In. .506	In. .510	In. .518	In. .496	In. .517	In. .519
		2	.532	.524	.541	.496	.487	.480	.492	.492	.492	.506	.508	.509	.524
		3	.525	.513	.518	.489	.501	.495	.478	.483	.483	.487	.486	.464	.512
		4	.539	.516	.527	.515	.506	.519	.513	.493	.493	.510	.517	.513	.424
		5	.523	.504	.521	.502	.496	.498	.513	—	—	—	—	—	—
		6	—	—	—	—	—	—	—	.515	.507	.508	.508	.506	.525
		7	.548	.543	.528	.524	.528	.485	.496	.499	.481	.481	.511	.527	.545
		8	.568	.545	.567	.547	.512	.506	.498	.482	.492	.495	.468	.468	.477
		9	.467	.472	.511	.491	.482	.480	.463	.484	.474	.467	.463	.463	.488
		10	.483	.453	.477	.474	.481	.481	.468	.460	.451	.463	.467	.467	.481
		11	.480	.495	.482	.488	.462	.460	.441	.447	.462	.479	.509	.503	.503
		12	.538	.568	.531	.523	.463	.462	.458	—	—	—	—	—	—
		13	—	—	—	—	—	—	—	.473	.443	.399	.389	.389	.440
		14	.452	.450	.480	.434	.451	.469	.440	.463	.452	.442	.437	.437	.500
		15	.515	.488	.526	.487	.472	.466	.478	.430	.460	.428	.461	.461	.475
		16	.459	.475	.468	.460	.452	.459	.463	.437	.449	.453	.451	.460	.460
		17	.463	.473	.468	.447	.460	.383	.388	.397	.408	.396	.400	.420	.420
		18	.415	.433	.429	.442	.450	.444	.434	.444	.409	.386	.397	.419	.419
		19	.427	.428	.456	.438	.453	.432	.372	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	.374	.373	.318	.417	.430	.430
		21	.434	.455	.438	.455	.428	.446	.445	.425	.432	—	.423	.372	.432
		22	.447	—	.463	.462	.447	.434	.418	.446	.432	.407	.449	.457	.442
		23	.459	.480	.441	.440	.426	.450	.445	.444	.415	.436	.442	.424	.442
		24	.439	.467	.431	.442	.418	.416	.352	.391	.362	.417	.413	.445	.416
		25	.428	.425	.446	.439	.418	.429	.421	.405	.386	.388	.388	.401	.415
		26	.412	.410	.424	.446	.404	.425	.435	—	—	—	—	—	—
		27	—	—	—	—	—	—	—	.406	.404	—	.418	.449	.421
		28	.454	.520	—	.454	.443	.451	.468	—	—	—	—	—	—
		29	—	—	—	—	—	—	—	.449	.447	.431	.441	.437	.454
		30	.452	.465	.443	.452	.487	.489	.429	.483	.480	.484	.483	.484	.469
Hourly Means		.480	.486	.486	.475	.465	.463	.453	.453	.449	.449	.453	.464	.465	

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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. JULY.	1	87	88	87	89	91	88	90	83	93	86	76	87	
	2	79	77	77	85	83	79	86	81	83	78	78	81	
	3	81	92	83	88	92	97	95	—	—	—	—	92	
	4	—	—	—	—	—	—	—	91	96	96	96		93
	5	80	82	85	88	91	88	84	86	83	81	83	85	85
	6	85	84	87	90	88	86	77	76	76	81	78	83	83
	7	80	75	82	84	86	86	83	83	88	89	89	91	85
	8	92	91	80	85	85	87	87	84	86	89	93	91	88
	9	85	77	69	78	80	83	90	69	82	94	83	71	80
	10	79	84	81	87	82	89	89	—	—	—	—	—	89
	11	—	—	—	—	—	—	—	95	95	92	93	97	
	12	95	89	82	81	86	89	93	76	92	87	88	91	87
	13	87	79	79	86	88	93	94	89	86	91	82	87	87
	14	80	89	77	83	84	88	86	80	83	86	96	92	85
	15	94	89	82	83	84	88	91	91	93	94	94	88	89
	16	93	85	88	92	95	91	89	86	86	85	85	79	88
	17	86	83	77	81	86	85	85	—	—	—	—	—	80
	18	—	—	—	—	—	—	—	72	83	84	72	66	
	19	70	68	85	92	91	93	97	97	97	93	88	89	88
	20	88	91	82	88	87	86	92	94	93	95	94	93	90
	21	94	80	80	86	93	91	95	95	94	89	88	77	89
	22	89	91	88	91	92	86	80	80	84	78	77	72	84
	23	72	73	77	77	79	81	77	78	94	96	97	81	82
	24	78	84	79	86	82	77	72	—	—	—	—	—	85
	25	—	—	—	—	—	—	—	92	93	94	90	92	
	26	88	84	87	89	93	94	95	92	96	96	96	91	92
	27	82	81	89	94	94	94	94	94	94	93	97	86	91
	28	83	80	81	91	89	92	94	93	94	91	87	82	88
	29	84	81	83	90	94	94	88	93	92	84	83	87	88
	30	82	82	88	91	94	93	93	94	95	93	94	96	91
	31	91	87	84	86	93	92	93	—	—	—	—	—	90
	32	—	—	—	—	—	—	—	94	94	—	93	83	
Hourly Means	85	83	82	87	88	89	88	87	89	90	88	85	87	
Tension of the Vapour. JULY.	1	In. .476	In. .474	In. .470	In. .473	In. .471	In. .457	In. .437	In. .459	In. .421	In. .464	In. .434	In. .405	In. .453
	2	.423	.439	.438	.438	.415	.399	.429	.402	.387	.408	.376	.394	.412
	3	.429	.499	.467	.458	.457	.467	.460	—	—	—	—	—	.448
	4	—	—	—	—	—	—	—	.423	.420	.428	.432	.438	
	5	.413	.451	.478	.459	.427	.411	.386	.412	.388	.368	.372	.445	.418
	6	.469	.473	.485	.467	.447	.436	.383	.365	.360	.390	.376	.436	.416
	7	.450	.433	.460	.450	.434	.408	.396	.390	.426	.438	.442	.470	.433
	8	.474	.462	.419	.432	.416	.423	.416	.403	.408	.421	.433	.435	.429
	9	.430	.436	.390	.395	.382	.391	.444	.330	.398	.427	.384	.360	.397
	10	.416	.439	.417	.442	.401	.433	.417	—	—	—	—	—	.432
	11	—	—	—	—	—	—	—	.446	.443	.426	.440	.466	
	12	.487	.470	.434	.394	.405	.413	.429	.353	.411	.397	.398	.446	.420
	13	.455	.424	.416	.418	.416	.438	.428	.418	.394	.421	.373	.422	.419
	14	.414	.449	.401	.412	.398	.416	.400	.366	.379	.387	.425	.430	.406
	15	.448	.460	.431	.392	.387	.408	.421	.414	.398	.417	.407	.428	.418
	16	.463	.455	.434	.439	.432	.407	.395	.382	.380	.377	.380	.373	.410
	17	.431	.424	.398	.393	.395	.386	.384	—	—	—	—	—	.379
	18	—	—	—	—	—	—	—	.329	.381	.380	.323	.320	
	19	.368	.374	.430	.444	.424	.433	.441	.434	.428	.403	.393	.426	.417
	20	.443	.446	.421	.423	.407	.391	.415	.420	.420	.446	.442	.475	.429
	21	.469	.444	.450	.448	.470	.454	.471	.464	.455	.421	.418	.390	.446
	22	.450	.477	.447	.432	.419	.400	.376	.375	.398	.357	.359	.364	.405
	23	.385	.402	.399	.384	.370	.376	.354	.380	.434	.436	.441	.410	.406
	24	.405	.447	.412	.423	.389	.379	.345	—	—	—	—	—	.423
	25	—	—	—	—	—	—	—	.447	.453	.464	.435	.474	
	26	.468	.452	.457	.463	.465	.458	.471	.450	.471	.473	.465	.456	.462
	27	.451	.457	.469	.488	.470	.475	.467	.456	.458	.460	.471	.439	.463
	28	.481	.454	.449	.468	.435	.454	.459	.445	.452	.435	.418	.421	.448
	29	.457	.448	.462	.463	.465	.461	.421	.445	.442	.402	.401	.426	.441
	30	.439	.448	.455	.460	.461	.441	.445	.456	.465	.452	.464	.497	.457
	31	.487	.508	.504	.483	.475	.456	.457	—	—	—	—	—	.469
	32	—	—	—	—	—	—	—	.455	.455	—	.445	.434	
Hourly Means	.444	.450	.441	.439	.427	.425	.420	.412	.419	.419	.413	.425	.428	

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 St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	AUGUST.	2	89	88	88	92	94	96	96	94	93	95	94	90	92	
		3	82	80	74	85	90	91	94	93	93	94	91	82	87	
		4	76	72	73	76	83	87	89	92	94	—	92	88	84	
		5	87	87	89	89	93	94	93	95	94	93	94	94	92	92
		6	95	83	82	82	86	87	89	87	83	83	76	77	70	83
		7	72	75	78	80	85	88	88	—	—	—	—	—	—	87
		8	—	—	—	—	—	—	—	—	94	94	95	95	95	87
		9	94	92	91	92	92	95	95	95	96	95	97	96	91	94
		10	94	92	92	93	93	95	96	96	96	97	97	96	94	95
		11	94	91	89	92	94	94	88	92	92	90	85	88	93	91
		12	86	93	94	95	96	96	94	93	95	94	94	96	87	93
		13	89	85	90	92	92	94	92	82	84	92	92	96	92	90
		14	90	91	87	92	93	94	96	—	—	—	—	—	—	91
		15	—	—	—	—	—	—	—	—	93	82	88	95	93	91
		16	89	84	83	89	86	93	94	95	94	94	97	96	88	91
		17	96	92	93	90	93	93	89	89	87	87	91	92	91	91
		18	90	78	87	88	92	91	93	87	79	83	83	83	77	86
		19	73	—	67	67	81	80	80	81	83	84	84	85	82	79
		20	81	76	80	77	88	81	76	77	89	82	82	90	78	81
		21	81	71	71	82	83	82	93	—	—	—	—	—	—	83
		22	—	—	—	—	—	—	—	—	92	91	90	86	76	83
		23	75	80	79	79	91	85	81	86	85	85	82	94	96	84
		24	90	95	88	96	97	94	93	94	92	92	92	92	87	93
		25	86	87	81	87	92	86	—	84	83	83	83	83	78	85
		26	76	81	79	86	89	89	93	82	79	77	76	76	76	82
		27	78	73	79	86	92	92	92	93	85	86	86	86	74	85
		28	71	80	85	82	88	89	86	—	—	—	—	—	—	87
		29	—	—	—	—	—	—	—	—	91	94	94	94	92	87
		30	95	96	93	93	96	97	96	96	96	96	97	93	97	95
		31	84	74	80	80	88	88	79	85	79	79	85	78	78	82
		Hourly Means		85	84	84	86	90	90	90	90	89	89	90	86	88
Tension of the Vapour.	AUGUST.	2	.484	.476	.473	.478	.465	.463	.460	.462	.454	.454	.446	.465	.465	
		3	.445	.462	.433	.451	.461	.455	.475	.453	.451	.455	.438	.432	.451	
		4	.427	.415	.404	.395	.394	.413	.428	.443	.452	—	.435	.445	.423	
		5	.457	.478	.466	.472	.470	.472	.445	.460	.454	.457	.457	.458	.457	.462
		6	.460	.460	.452	.454	.426	.437	.442	.422	.393	.337	.370	.369	.369	.419
		7	.383	.406	.404	.415	.422	.436	.414	—	—	—	—	—	—	.427
		8	—	—	—	—	—	—	—	.451	.445	.446	.446	.446	.456	.427
		9	.472	.476	.460	.454	.437	.446	.434	.448	.442	.437	.437	.428	.434	.447
		10	.458	.470	.468	.456	.441	.446	.433	.432	.436	.433	.431	.431	.453	.446
		11	.471	.478	.464	.448	.444	.444	.416	.424	.410	.386	.404	.438	.438	.436
		12	.446	.468	.472	.458	.459	.459	.444	.440	.454	.442	.455	.424	.424	.452
		13	.464	.457	.464	.455	.443	.451	.455	.392	.402	.446	.476	.476	.473	.448
		14	.459	.488	.459	.464	.465	.468	.474	—	—	—	—	—	—	.456
		15	—	—	—	—	—	—	—	.457	.389	.424	.458	.470	.470	.456
		16	.480	.459	.456	.449	.419	.458	.454	.454	.430	.464	.457	.434	.434	.451
		17	.460	.471	.472	.449	.458	.443	.426	.415	.405	.424	.436	.450	.450	.442
		18	.463	.434	.445	.440	.444	.437	.445	.404	.361	.350	.358	.389	.389	.414
		19	.399	—	.384	.357	.375	.361	.357	.361	.347	.362	.380	.398	.398	.371
		20	.422	.395	.409	.382	.411	.372	.343	.347	.384	.362	.389	.370	.370	.382
		21	.406	.384	.380	.393	.376	.381	.414	—	—	—	—	—	—	.397
		22	—	—	—	—	—	—	—	.418	.413	.412	.400	.386	.386	.397
		23	.410	.442	.409	.379	.409	.398	.374	.395	.385	.372	.416	.437	.437	.402
		24	.448	.471	.443	.447	.431	.420	.417	.420	.415	.413	.425	.412	.412	.430
		25	.430	.432	.415	.420	.423	.389	—	.379	.375	.380	.382	.384	.384	.401
		26	.399	.424	.418	.419	.427	.418	.434	.381	.371	.357	.353	.378	.378	.398
		27	.423	.424	.447	.434	.443	.439	.431	.435	.385	.396	.398	.373	.373	.419
		28	.394	.470	.480	.425	.408	.418	.405	—	—	—	—	—	—	.425
		29	—	—	—	—	—	—	—	.409	.420	.411	.416	.440	.440	.425
		30	.450	.455	.445	.442	.435	.428	.420	.422	.426	.431	.413	.430	.430	.433
		31	.415	.396	.416	.380	.416	.404	.347	.389	.356	.390	.352	.365	.365	.386
		Hourly Means		.439	.448	.440	.431	.431	.429	.424	.420	.410	.410	.416	.422	.427

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	SEPTEMBER.	1	66	78	78	78	74	77	83	83	89	88	96	96	82	
		2	84	82	84	88	88	75	77	76	74	—	73	74	80	
		3	77	72	67	75	75	76	76	77	77	75	87	81	93	78
		4	76	78	81	91	93	85	78	—	—	—	—	—	—	81
		5	—	—	—	—	—	—	—	—	83	76	80	79	76	81
		6	76	77	81	86	87	81	80	91	91	81	81	81	81	82
		7	76	76	83	81	86	92	92	93	93	92	90	91	89	87
		8	77	78	82	84	86	86	86	86	89	94	92	89	88	86
		9	76	76	86	87	89	87	91	89	89	87	89	86	93	86
		10	91	87	92	95	97	97	97	97	97	98	98	98	99	96
		11	98	99	98	96	95	94	95	—	—	—	—	—	—	95
		12	—	—	—	—	—	—	—	—	89	88	93	96	96	95
		13	86	94	92	95	96	96	97	97	97	97	97	94	91	94
		14	85	83	80	83	85	87	88	88	89	90	85	87	82	85
		15	73	75	78	81	86	85	87	89	89	89	88	87	82	83
		16	84	89	89	91	88	88	92	88	88	85	89	94	93	89
		17	86	83	94	92	96	96	96	96	96	96	96	97	93	93
		18	83	79	76	72	86	92	92 <sup>a</sup>	—	—	—	—	—	—	87
		19	—	—	—	—	—	—	—	—	93	94	92	94	87	87
		20	83	73	81	85	92	94	93	95	96	96	96	96	96	90
		21	91	85	84	84	83	93	97	97	97	96	94	86	88	90
		22	88	80	83	89	86	92	92	93	93	85	83	94	96	88
		23	94	80	87	86	92	95	96	96	96	97	97	97	97	93
		24	96	87	91	88	84	93	95	92	92	90	88	90	87	90
		25	80	81	80	82 <sup>a</sup>	85	86	86	—	—	—	—	—	—	84
		26	—	—	—	—	—	—	—	—	89	86	88	84	81	84
		27	78	76	78	87	80	84	85	86	86	86	91	93	92	85
		28	89	86	88	92	88	89	86	88	88	88	—	91	86	88
		29	78	77	81	88	93	89	87	88	88	91	88	88	86	86
		30	84	85	87	89	92	89	89	100	90	89	90	89	87	89
		Hourly Means		83	81	84	87	88	88	89	90	89	90	90	89	87
Tension of the Vapour.	SEPTEMBER.	1	In. .350	In. .405	In. .394	In. .374	In. .339	In. .354	In. .378	In. .378	In. .402	In. .400	In. .428	In. .436	In. .387	
		2	.429	.442	.438	.429	.393	.332	.337	.329	.315	—	.324	.339	.373	
		3	.381	.367	.337	.344	.333	.341	.338	.340	.333	.387	.339	.416	.355	
		4	.385	.424	.401	.416	.409	.379	.445	—	—	—	—	—	—	.388
		5	—	—	—	—	—	—	—	.382	.344	.358	.350	.365	—	.388
		6	.388	.416	.430	.425	.408	.375	.370	.422	.372	.369	.380	.408	.397	.397
		7	.437	.425	.436	.404	.410	.434	.425	.428	.424	.416	.431	.437	.426	.426
		8	.432	.439	.437	.418	.406	.407	.396	.425	.426	.415	.414	.436	.421	.421
		9	.421	.434	.450	.439	.433	.411	.428	.418	.405	.416	.410	.450	.426	.426
		10	.453	.447	.452	.448	.461	.439	.457	.456	.452	.455	.455	.474	.454	.454
		11	.472	.485	.469	.455	.450	.448	.446	—	—	—	—	—	—	.442
		12	—	—	—	—	—	—	—	.402	.391	.420	.421	.444	—	.442
		13	.451	.476	.456	.450	.430	.430	.428	.434	.421	.407	.411	.421	.435	.435
		14	.431	.421	.404	.405	.389	.393	.396	.386	.398	.363	.385	.396	.397	.397
		15	.397	.414	.426	.402	.396	.393	.403	.394	.396	.388	.393	.410	.401	.401
		16	.433	.449	.429	.427	.396	.396	.414	.389	.366	.389	.407	.423	.410	.410
		17	.435	.435	.448	.436	.422	.423	.424	.420	.406	.409	.425	.425	.426	.426
		18	.438	.437	.441	.393	.416	.426	.430 <sup>a</sup>	—	—	—	—	—	—	.431
		19	—	—	—	—	—	—	—	.439	.434	.424	.443	.456	—	.431
		20	.451	.416	.455	.443	.449	.454	.443	.454	.456	.447	.460	.453	.448	.448
		21	.442	.438	.436	.420	.400	.449	.461	.430	.422	.414	.382	.401	.425	.425
		22	.421	.399	.420	.410	.390	.416	.417	.413	.365	.349	.399	.419	.402	.402
		23	.434	.415	.408	.399	.398	.424	.424	.424	.420	.413	.425	.439	.419	.419
		24	.453	.436	.441	.409	.371	.440	.425	.403	.393	.385	.389	.397	.412	.412
		25	.419	.421	.409	.397 <sup>a</sup>	.384	.384	.385	—	—	—	—	—	—	.392
		26	—	—	—	—	—	—	—	.392	.372	.382	.368	.385	—	.392
		27	.416	.406	.401	.416	.362	.376	.384	.382	.373	.392	.397	.423	.394	.394
		28	.432	.437	.430	.417	.393	.402	.386	.390	.388	—	.413	.404	.408	.408
		29	.422	.423	.434	.440	.442	.406	.400	.400	.413	.400	.404	.414	.417	.417
		30	.427	.444	.446	.427	.419	.410	.429	.408	.403	.403	.403	.422	.420	.420
		Hourly Means		.425	.429	.428	.418	.404	.406	.410	.405	.396	.400	.402	.419	.412

<sup>a</sup> Omitted in the hourly means.

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 } St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21				
Humidity of the Air.	OCTOBER.	1	84	82	85	92	97	97	96	97	95	94	92	91	92		
		2	83	84	89	91	90	91	93	—	—	—	—	—			
		3	—	—	—	—	—	—	—	—	94	96	94	93	94	91	
		4	92	89	92	93	92	95	96	97	97	99	97	98	97		
		5	97	98	98	98	99	97	97	97	97	96	97	97	97	98	97
		6	97	91	81	92	93	95	94	91	91	91	92	91	87	91	
		7	82	85	89	92	92	91	92	91	91	88	93	93	88	88	90
		8	84	80	87	88	92	89	93	93	93	92	—	89	85	88	
		9	87	87	90	92	92	93	94	—	—	—	—	—	—	—	93
		10	—	—	—	—	—	—	—	—	97	98	96	97	88	—	
		11	91	86	83	88	93	95	96	96	96	93	92	88	80	80	90
		12	86	87	93	93	96	89	93	96	96	94	94	84	91	91	
		13	89	95	92	96	91	96	92	96	96	96	92	92	97	94	94
		14	89	90	94	96	—	96	97	95	94	94	94	97	96	94	
		15	86	89	88	93	96	94	89	90	90	86	93	95	93	91	91
		16	87	92	91	92	96	91	95	—	—	—	—	—	—	—	
		17	—	—	—	—	—	—	—	—	92	93	94	94	87	—	92
		18	89	88	92	91	92	92	92	92	92	91	92	91	89	91	
		19	89	89	90	91	91	93	93	93	93	93	92	94	91	92	92
		20	89	91	94	94	96	91	92	91	91	95	94	92	96	93	
		21	90	88	92	94	93	93	92	94	94	94	92	92	87	92	92
		22	90	88	92	92	92	92	82	90	85	83	82	82	76 <sup>a</sup>	87	
		23	72	73	70	73	80	81	84	—	—	—	—	—	—	—	78
		24	—	—	—	—	—	—	—	—	83	82	82	81	77	—	
		25	70	68	68	72	83	88	88	88	90	89	88	87	82	81	81
		26	77	75	77	84	85	87	88	87	86	87	87	85	83	83	
		27	79	78	77	86	89	89	89	89	89	90	88	85	79	85	85
		28	79	73	75	80	86	87	89	91	96	97	97	97	98	87	
		29	98	95	91	88	92	91	91	91	92	92	91	93	93	92	92
		30	81	81	81	81	87	88	89	—	—	—	—	—	—	—	
		31	—	—	—	—	—	—	—	—	92	93	96	93	89	—	88
Hourly Means	86	86	87	89	91	92	92	92	93	92	92	91	89	90			
Tension of the Vapour.	OCTOBER.	1	In. .439	In. .446	In. .443	In. .443	In. .448	In. .449	In. .433	In. .421	In. .416	In. .402	In. .402	In. .428	In. .431		
		2	.432	.438	.446	.429	.410	.407	.423	—	—	—	—	—	—	.427	
		3	—	—	—	—	—	—	—	.426	.428	.420	.420	.445	—		
		4	.451	.466	.455	.447	.419	.432	.434	.433	.438	.425	.435	.435	.457	.441	.448
		5	.480	.475	.466	.455	.435	.443	.431	.417	.433	.443	.436	.436	.458	—	
		6	.470	.475	.424	.444	.428	.437	.427	.405	.408	.410	.409	.409	.426	.430	.424
		7	.435	.447	.456	.443	.418	.414	.410	.407	.390	.411	.418	.418	.433	—	
		8	.447	.446	.476	.432	.428	.410	.428	.423	.412	—	.412	.412	.428	.431	.431
		9	.473	.486	.498	.473	.433	.440	.441	—	—	—	—	—	—	—	
		10	—	—	—	—	—	—	—	.440	.441	.430	.433	.433	.420	—	.451
		11	.436	.451	.436	.434	.433	.436	.444	.426	.405	.411	.400	.401	.401	.426	
		12	.455	.470	.442	.430	.427	.393	.404	.418	.394	.394	.365	.365	.424	.418	.432
		13	.452	.492	.474	.442	.412	.427	.419	.424	.409	.401	.401	.401	.428	—	
		14	.423	.453	.458	.435	—	.423	.439	.410	.404	.416	.418	.418	.422	.427	.421
		15	.429	.435	.444	.444	.433	.423	.412	.393	.382	.409	.419	.419	.428	—	
		16	.455	.477	.486	.452	.446	.412	.429	—	—	—	—	—	—	—	.436
		17	—	—	—	—	—	—	—	.410	.411	.416	.408	.408	.425	—	
		18	.494	.491	.476	.437	.425	.418	.406	.406	.395	.408	.401	.401	.433	.433	.434
		19	.480	.502	.467	.433	.414	.417	.420	.414	.412	.399	.413	.413	.434	—	
		20	.464	.485	.478	.457	.443	.417	.421	.411	.429	.426	.425	.425	.457	.443	.445
		21	.463	.502	.494	.465	.434	.428	.422	.424	.427	.411	.421	.421	.450	—	
		22	.485	.514	.478	.445	.424	.416	.368	.390	.368	.354	.362	.362	.379 <sup>a</sup>	.415	.415
		23	.383	.397	.385	.370	.373	.365	.374	—	—	—	—	—	—	—	
		24	—	—	—	—	—	—	—	.371	.361	.364	.367	.367	.391	—	.375
		25	.403	.418	.390	.388	.382	.398	.396	.398	.395	.385	.395	.395	.402	.396	
		26	.423	.413	.409	.410	.393	.400	.401	.391	.385	.390	.389	.389	.420	.402	.402
		27	.418	.424	.413	.411	.410	.398	.391	.392	.393	.375	.388	.388	.391	.400	
		28	.409	.412	.415	.397	.402	.408	.416	.413	.439	.445	.467	.467	.496	.427	.427
		29	.486	.471	.458	.429	.426	.424	.418	.416	.425	.413	.433	.433	.459	.438	
		30	.448	.461	.445	.419	.420	.416	.412	—	—	—	—	—	—	—	.430
		31	—	—	—	—	—	—	—	.421	.424	.433	.428	.428	.429	—	
Hourly Means	.447	.460	.451	.433	.421	.417	.416	.412	.409	.408	.410	.410	.431	.426			

<sup>a</sup> Omitted in the hourly means.



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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. NOVEMBER.	1	79	86	89	89	92	94	92	93	91	93	92	87	90
	2	78	80	82	88	87	91	88	88	88	88	89	84	86
	3	78	76	83	88	99	97	96	—	—	97	98	98	91
	4	98	98	91	88	92	94	94	96	96	96	92	93	94
	5	89	87	91	95	96	92	94	99	93	93	95	93	93
	6	86	79	80	86	89	91	92	—	—	—	—	—	88
	7	—	—	—	—	—	—	—	90	91	91	91	85	85
	8	76	74	74	81	88	88	89	90	92	92	91	82	85
	9	78	75	74	79	90	92	92	94	93	93	93	87	87
	10	85	80	88	93	95	96	97	97	98	97	99	98	94
	11	98	87	79	86	95	96	94	94	91	87	84	76	89
	12	72	71	75	82	87	90	95	91	88	95	94	91	86
	13	81	76	75	83	92	93	94	—	—	—	—	—	89
	14	—	—	—	—	—	—	—	91	92	94	95	96	91
	15	88	90	81	84	92	95	96	96	96	96	95	87	90
	16	79	79	77	90	92	96	97	96	96	93	96	93	92
	17	87	79	85	91	96	96	96	97	92	97	97	91	92
	18	85	80	79	90	94	96	91	94	96	97	96	96	91
	19	86	—	77	79	89	93	93	85	88	—	92	85	87
	20	76	—	81	92	83	89	84	—	—	—	—	—	84
	21	—	—	—	—	—	—	—	83	87	83	82	81	86
	22	74	82	85	86	91	91	90	91	92	92	84	76	86
	23	76	79	81	87	90	90	91	94	95	91	86	75	86
	24	76	78	86	89	95	92	92	90	86	91	90	87	88
	25	85	86	76	87	92	93	86	88	89	88	88	81	87
	26	81	79	79	86	87	89	85	89	87	85	87	82	85
	27	71	73	87	89	89	93	89	—	—	—	—	—	88
	28	—	—	—	—	—	—	—	88	90	94	96	91	85
	29	85	78	77	87	84	90	87	85	87	88	84	82	85
	30	87	79	79	91	91	87	92	97	96	96	96	89	90
Hourly Means	82	80	81	87	91	93	92	92	92	92	92	87	88	
Tension of the Vapour. NOVEMBER.	1	.431	.449	.457	.440	.425	.438	.424	.429	.410	.418	.419	.425	.430
	2	.440	.431	.432	.431	.408	.428	.412	.403	.401	.397	.419	.411	.418
	3	.426	.425	.438	.449	.469	.473	.465	—	—	.449	.458	.481	.453
	4	.492	.484	.473	.451	.436	.452	.434	.439	.446	.428	.429	.455	.452
	5	.469	.461	.464	.462	.445	.430	.427	.448	.423	.417	.433	.441	.443
	6	.453	.454	.446	.431	.419	.419	.415	—	—	—	—	—	.423
	7	—	—	—	—	—	—	—	.405	.406	.399	.409	.424	.422
	8	.433	.445	.441	.425	.424	.412	.414	.406	.408	.411	.423	.427	.441
	9	.438	.442	.449	.449	.441	.449	.437	.438	.427	.424	.438	.457	.441
	10	.496	.509	.531	.506	.491	.488	.487	.470	.471	.480	.499	.532	.497
	11	.530	.505	.483	.491	.494	.493	.476	.461	.431	.411	.410	.426	.468
	12	.444	.446	.446	.450	.441	.426	.486	.428	.410	.437	.456	.471	.445
	13	.487	.468	.477	.476	.470	.469	.471	—	—	—	—	—	.475
	14	—	—	—	—	—	—	—	.436	.459	.476	.491	.524	.496
	15	.533	.531	.503	.496	.487	.487	.486	.486	.483	.480	.490	.490	.493
	16	.491	.493	.482	.494	.486	.506	.503	.490	.480	.479	.499	.508	.496
	17	.513	.501	.496	.497	.512	.498	.502	.501	.456	.497	.477	.506	.484
	18	.489	.496	.483	.496	.488	.502	.461	.476	.478	.476	.473	.494	.454
	19	.503	—	.471	.456	.465	.464	.468	.420	.426	—	.432	.436	.433
	20	.453	—	.472	.490	.419	.449	.409	—	—	—	—	—	.475
	21	—	—	—	—	—	—	—	.405	.424	.405	.401	.438	.475
	22	.463	.523	.538	.529	.488	.462	.454	.450	.453	.443	.439	.456	.484
	23	.488	.538	.537	.494	.468	.468	.463	.476	.482	.463	.458	.474	.486
	24	.501	.513	.521	.495	.506	.495	.481	.462	.437	.465	.469	.481	.472
	25	.484	.518	.477	.494	.486	.485	.443	.454	.449	.445	.459	.466	.467
	26	.504	.487	.485	.482	.447	.469	.445	.464	.450	.436	.466	.473	.490
	27	.466	.532	.468	.524	.494	.508	.481	—	—	—	—	—	.469
	28	—	—	—	—	—	—	—	.460	.470	.472	.495	.510	.469
	29	.499	.498	.480	.496	.450	.479	.463	.445	.451	.460	.445	.464	.500
	30	.501	.514	.518	.525	.499	.461	.502	.498	.494	.480	.494	.516	.464
Hourly Means	.478	.486	.480	.478	.464	.466	.458	.450	.445	.446	.453	.469	.464	

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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.  DECEMBER.	1	84	76	71	89	92	87	95	95	92	86	83	78	86	
	2	80	87	85	88	91	88	83	87	92	92	93	85	88	
	3	84	78	83	90	91	92	93	92	95	82	79	85	87	
	4	83	81	84	91	93	87	85	—	—	—	—	—	87	
	5	—	—	—	—	—	—	—	89	92	85	85	83	92	
	6	87	87	88	91	95	96	96	96	96	96	96	86	85	95
	7	87	89	92	95	96	96	96	98	99	99	99	98	96	91
	8	89	87	84	94	95	90	92	96	93	88	88	95	93	89
	9	99	88	92	90	92	91	89	83	86	91	88	82	87	90
	10	92	84	92	93	92	95	83	89	94	95	84	87	91	
	11	91	89	91	92	96	97	97	—	—	—	—	—	83	
	12	—	—	—	—	—	—	—	—	88	91	95	78	83	
	13	88	76	66	81	87	91	91	83	78	81	90	78	87	
	14	75	—	78	80	88	90	91	91	91	92	89	86	86	
	15	79	69	70	79	89	90	93	94	93	96	93	83	84	
	16	79	79	79	85	88	91	91	93	82	83	83	75	84	
	17	71	63	71	87	88	95	92	89	87	92	87	89	84	
	18	91	73	71	84	88	89	86	—	—	—	—	—	82	
	19	—	—	—	—	—	—	—	80	88	83	79	74	75	
	20	66	67	67	75	83	82	77	74	73	76	88	73	81	
	21	84	66	71	81	85	87	83	77	86	80	82	90	82	
	22	75	76	78	82	83	90	83	88	79	81	85	87	78	
	23	69	66	67	76	83	85	89	85	90	86	76	68	77	
	24	62	67	61	74	82	84	86	—	—	—	—	—	77	
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	90	
	26	—	—	—	—	—	—	—	86	87	81	77	77	85	
	27	88	90	80	85	92	90	91	94	93	95	92	86	91	
	28	80	77	77	76	88	86	87	89	94	91	88	88	85	
	29	88	84	82	89	93	88	92	91	93	97	96	93	85	
	30	92	69	70	80	90	93	95	94	90	90	83	77	81	
	31	75	75	79	80	81	82	84	86	85	86	85	78	86	
Hourly Means	82	78	78	85	89	90	89	89	89	88	87	83	86		
Tension of the Vapour.  DECEMBER.	1	In. .504	In. .497	In. .482	In. .526	In. .496	In. .466	In. .503	In. .484	In. .492	In. .443	In. .446	In. .473	In. .484	
	2	.543	.569	.548	.506	.485	.466	.439	.470	.481	.477	.487	.499	.498	
	3	.496	.525	.571	.538	.500	.498	.501	.491	.507	.427	.435	.496	.499	
	4	.511	.548	.581	.553	.515	.471	.457	—	—	—	—	—	.497	
	5	—	—	—	—	—	—	—	.475	.478	.442	.456	.479	.522	
	6	.532	.571	.596	.539	.509	.514	.518	.512	.507	.498	.452	.518	.543	
	7	.574	.551	.581	.555	.528	.528	.522	.536	.539	.531	.532	.534	.504	
	8	.538	.530	.530	.532	.509	.482	.498	.505	.477	.447	.506	.493	.495	
	9	.550	.585	.583	.527	.501	.477	.457	.434	.443	.473	.450	.457	.510	
	10	.570	.583	.554	.534	.491	.504	.441	.466	.482	.501	.454	.534	.519	
	11	.594	.598	.586	.549	.513	.518	.505	—	—	—	—	—	.462	
	12	—	—	—	—	—	—	—	—	.451	.470	.479	.447	.475	
	13	.495	.483	.436	.471	.458	.482	.480	.432	.407	.426	.491	.480	.492	
	14	.482	—	.472	.476	.475	.472	.475	.468	.465	.474	.471	.493	.474	
	15	.486	.464	.476	.484	.488	.491	.510	.511	.498	.511	.503	.484	.480	
	16	.514	.501	.502	.492	.474	.479	.485	.493	.429	.439	.442	.432	.474	
	17	.445	.457	.481	.506	.488	.517	.510	.463	.458	.498	.458	.483	.480	
	18	.503	.484	.455	.479	.478	.475	.454	—	—	—	—	—	.453	
	19	—	—	—	—	—	—	—	.406	.456	.418	.410	.419	.438	
	20	.431	.453	.463	.446	.453	.442	.407	.392	.484	.398	.461	.429	.452	
	21	.473	.467	.452	.464	.470	.467	.454	.404	.444	.415	.436	.480	.454	
	22	.456	.475	.461	.464	.450	.480	.443	.466	.409	.420	.449	.473	.445	
	23	.432	.447	.427	.472	.450	.449	.478	.444	.470	.449	.408	.410	.434	
	24	.406	.434	.402	.455	.445	.447	.454	—	—	—	—	—	.483	
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	.470	
	26	—	—	—	—	—	—	—	.445	.447	.414	.426	.431	.484	
	27	.464	.500	.503	.479	.473	.470	.482	.485	.475	.486	.494	.486	.470	
	28	.496	.483	.468	.448	.486	.458	.465	.467	.475	.458	.455	.484	.489	
	29	.500	.509	.495	.488	.491	.470	.482	.468	.472	.499	.490	.505	.484	
	30	.522	.474	.472	.480	.500	.508	.512	.496	.461	.477	.447	.454	.459	
	31	.473	.488	.505	.478	.450	.437	.439	.448	.445	.443	.442	.459		
Hourly Means	.500	.507	.503	.498	.484	.480	.476	.466	.467	.459	.461	.474	.481		

<sup>a</sup> Christmas Day.



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Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Rain.	
St. Helena.	Göttingen.									
JANUARY.										
D.	H.	D.	H.	°	°	Feet.		°	°	In.
1	03	1	04	64.0	70.5	—	.6	Clear; fair	—	—
1	09	1	10	60.1	61.8	—	—	Cloudy; a few stars visible	70.5	58.6
1	15	1	16	60.6	61.2	—	—	Cloudy; stars visible	—	—
1	21	1	22	62.0	65.7	1900	.8	—	—	—
2	03	2	04	62.8	69.0	2400	—	Dull	69.6	58.2
2	09	2	10	61.0	62.1	—	—	Moonlight; stars visible	—	—
SUNDAY.										
3	15	3	16	60.0	60.6	—	.8	A few stars visible	—	58.8
3	21	3	22	59.6	63.6	—	—	Haze	—	—
4	03	4	04	63.0	69.2	—	.9	Cloudy	—	—
4	09	4	10	60.0	61.6	—	—	Cloudy; moon and stars visible	69.2	58.0
4	15	4	16	60.2	61.1	—	—	Overcast	—	—
4	21	4	22	60.2	61.7	2600	—	Overcast	—	—
5	03	5	04	61.2	65.8	2400	—	Overcast	—	—
5	09	5	10	59.0	60.7	—	—	Overcast	66.4	57.6
5	15	5	16	59.6	59.8	2700+	—	Overcast	—	—
5	21	5	22	60.0	61.0	2400	—	Overcast	—	—
6	03	6	04	62.0	63.5	2400	—	Overcast	—	—
6	09	6	10	61.0	60.7	2000	—	Overcast	65.8	58.3
6	15	6	16	60.3	60.6	1600	—	Overcast	—	0.50
6	21	6	22	62.2	62.4	1600	—	Wind in gusts; rain	—	—
7	03	7	04	62.0	63.8	1800	—	Overcast	—	—
7	09	7	10	61.3	61.5	1600	—	Station in a cloud	—	—
7	15	7	16	57.6	60.1	2700+	—	Clouded	65.3	58.7
7	21	7	22	59.1	63.6	2700+	1.0	Haze	—	0.25
8	03	8	04	62.8	66.4	2600	—	Overcast	—	—
8	09	8	10	—	61.1	2600	—	Overcast	—	—
8	15	8	16	55.4	60.3	2700+	—	Overcast	68.0	58.5
8	21	8	22	58.0	62.2	2700+	—	Overcast	—	—
9	03	10	04	59.2	68.0	2700+	.9	Fair; clear	—	—
9	09	10	10	60.0	61.5	—	—	Overcast	68.6	58.0
SUNDAY.										
10	15	10	16	59.1	60.1	2600	—	Overcast	—	58.5
10	21	10	22	60.6	65.2	2600	0.9	Clouded	—	—
11	03	11	04	62.5	66.6	2700	0.8	Fair	—	—
11	09	11	10	59.2	61.0	—	—	Overcast	—	—
11	15	11	16	58.0	60.2	—	—	Overcast	67.6	58.2
11	21	11	22	57.3	65.3	2700+	—	—	—	—
12	03	12	04	60.8	66.5	2700+	—	Clouded	—	—
12	09	12	10	59.0	61.2	—	—	Nearly overcast; stars visible	70.4	58.1
12	15	12	16	—	60.0	2700+	—	Overcast	—	—
12	21	12	22	60.1	65.2	2700	0.9	Light rain	—	—
13	03	13	04	61.4	68.2	2700+	0.9	Cloudy	—	—
13	09	13	10	59.6	61.7	—	—	Overcast; dark	68.8	59.7
13	15	13	16	52.4	60.7	2700+	—	Overcast; light high clouds	—	—
13	21	13	22	60.0	64.8	2700+	—	Clear; sunshine	—	—
14	03	14	04	61.3	65.0	1600	—	Station in a cloud; rain	—	—
14	09	14	10	58.6	60.2	2700+	0.9	Starlight	—	—
14	15	14	16	60.0	60.0	1600	—	Wind in gusts; drizzling rain	67.7	57.5
14	21	14	22	58.8	60.8	2600	—	Fair and clear	—	—
15	03	15	04	59.0	68.6	2700+	—	Cloudy	—	—
15	09	15	10	57.1	61.8	—	—	Overcast; dark	70.8	59.2
15	15	15	16	60.0	61.1	—	—	Overcast	—	—
15	21	15	22	60.1	64.5	2700	0.9	Cloudy; fair	—	—
16	03	16	04	59.1	67.4	2700+	0.9	Cloudy	—	—
16	09	16	10	61.2	62.6	2700+	—	A few stars visible	70.0	60.0
SUNDAY.										
17	15	17	16	56.3	60.7	2700+	—	Overcast; calm	—	58.4
17	21	17	22	60.6	63.6	2400	—	Haze; dull	—	—
18	03	18	04	60.3	68.4	2700+	—	Clear; fine	—	—
18	09	18	10	60.8	62.1	—	1.0	Overcast	68.4	58.1
18	15	18	16	59.8	59.9	—	—	Overcast; dark	—	0.50
18	21	18	22	60.0	62.0	2300	0.9	Overcast	—	—

Mean Solar Time. (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Rain.	
St. Helena. Göttingen.		°	°	Feet.			°	°	In.	
JANUARY.										
19	03	19	04	60.8	66.6	2700+	1.0	Cloudy; fair		
19	09	19	10	60.3	61.7	—	—	Overcast; very dark	67.0	57.5
19	15	19	16	59.8	60.8	—	—	Cloudy; a few stars visible		
19	21	19	22	60.0	62.5	2700	—	Dull; overcast		
20	03	20	04	62.0	63.7	2000	—	Overcast		
20	09	20	10	60.9	61.6	2700+	—	Cloudy; a few stars visible	66.8	57.2
20	15	20	16	59.1	60.7	—	—	Overcast; dark		
20	21	20	22	60.8	62.6	2600	—	Overcast; haze		
21	03	21	04	63.4	67.7	—	—	Cloudy		
21	09	21	10	59.2	61.6	—	—	Overcast; dark		
21	15	21	16	56.6	60.0	2700+	0.4	Stars bright; rain	67.9	59.0
21	21	21	22	61.0	66.2	2700+	0.4	Fair; sunshine		
22	03	22	04	62.0	68.1	2700	1.0	Clouded		
22	09	22	10	61.8	63.1	—	—	Overcast; rain	69.2	56.9
22	15	22	16	61.0	62.4	—	—	Overcast		
22	21	22	22	62.6	65.3	1900	—	Overcast		
23	03	23	04	64.8	70.2	2000	—	Overcast; dull		
23	09	23	10	61.1	62.5	1600	—	Overcast	70.2	60.4
SUNDAY.										
24	15	24	16	58.6	61.4	2700+	—	Completely overcast		56.8
24	21	24	22	58.0	63.5	2700+	—	Overcast		
25	03	25	04	60.6	69.2	2700+	0.9	Cloudy; dull		
25	09	25	10	57.9	61.6	2700+	0.6	Stars bright	69.2	59.0
25	15	25	16	59.0	60.6	—	—	Overcast; and dark		
25	21	25	22	61.0	65.0	2600	—	Overcast		
26	03	26	04	61.1	—	1700	—	Cloudy; dull		
26	09	26	10	61.6	61.7	—	—	Overcast; dark; drizzling rain	66.8	59.2
26	15	26	16	58.6	61.0	2700+	—	Cloudy		
26	21	26	22	61.8	64.1	1800	—	Overcast		
27	03	27	04	61.6	69.0	2600	0.9	Haze; fair		
27	09	27	10	61.0	61.8	—	—	Overcast; rain	69.8	59.5
27	15	27	16	59.6	61.1	—	—	Overcast; dark		
27	21	27	22	61.9	66.0	2700	0.9	Nearly overcast		
28	03	28	04	61.8	68.0	2700+	0.7	Cloudy		
28	09	28	10	61.1	62.7	—	—	Calm; overcast; dark	68.0	58.8
28	15	28	16	60.2	60.6	—	—	Overcast; rain		
28	21	28	22	61.3	65.1	2600	0.9	Overcast		
29	03	29	04	—	70.6	2700+	0.8	Clear; fine		
29	09	29	10	—	64.2	2700+	0.9	Nearly overcast	70.6	59.4
29	15	29	16	—	62.4	—	—	Overcast; very dark		0.25
29	21	29	22	—	64.8	1600	—	Overcast; rain		
30	03	30	04	—	69.7	2000	0.9	Clear; fine	70.6	60.8
30	09	30	10	—	63.8	1700	—	Overcast		0.50
SUNDAY.										
31	15	31	16	—	62.6	—	—	Overcast; very dark		60.8
31	21	31	22	—	65.4	2700+	0.9	Clear; fine		
FEBRUARY.										
1	03	1	04	—	71.4	2700+	0.2	Clear; fine		
1	09	1	10	—	64.5	2700+	0.5	Moonlight; stars	72.7	60.0
1	15	1	16	—	62.0	2700+	0.1	Clear; stars bright		
1	21	1	22	—	65.4	2700	0.9	Cloudy; fair		
2	03	2	04	—	69.9	2700+	0.9	Dull		
2	09	2	10	—	63.0	2700+	0.0	Perfectly cloudless; moon and stars visible	71.1	58.4
2	15	2	16	—	61.0	2700+	0.0	Clear; stars bright		
2	21	2	22	—	65.6	2700+	0.5	Clear; fine		
3	03	3	04	—	71.5	2700+	0.9	Clear; fine		
3	09	3	10	—	62.8	2700+	0.0	Clear; fine; stars bright	71.5	58.3
3	15	3	16	—	60.7	2700+	0.1	Clear; fine; moon and stars bright		
3	21	3	22	—	68.2	2700+	0.4	Clear; fine		
4	03	4	04	—	71.0	2700+	0.9	Haze; fair		
4	09	4	10	—	62.8	2700+	0.1	Clear; fair; moon and stars	71.5	59.4
4	15	4	16	—	61.8	2700+	1.0	Cloudy; a few stars visible		
4	21	4	22	—	66.4	2700+	0.9	Clear; fine		

Mean Solar Time (Astronom'. Reck.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Rain.
St. Helena.	Göttingen.								
FEBRUARY.									
D.	H.	D.	H.		Feet.		°	°	In.
5	03	5	04	—	2700+	0·6	—	—	—
5	09	5	10	—	2700+	0·7	70·5	60·7	—
5	15	5	16	—	—	—	—	—	—
5	21	5	22	—	2700+	1·0	—	—	—
6	03	6	04	—	2600	0·9	—	—	—
6	09	6	10	—	2700+	—	67·1	60·7	0·25
SUNDAY.									
7	15	7	16	—	63·6	2200	0·9	—	58·5
7	21	7	22	—	66·0	2000	0·9	—	—
8	03	8	04	—	72·0	2600	0·9	—	—
8	09	8	10	—	64·4	2700+	0·9	73·6	61·7
8	15	8	16	—	63·3	2200	—	—	—
8	21	8	22	—	64·9	2200	—	—	—
9	03	9	04	—	70·8	2600	0·8	—	—
9	09	9	10	—	64·4	—	—	—	—
9	15	9	16	—	63·1	2700+	—	72·4	61·5
9	21	9	22	—	67·2	2700+	—	—	0·25
10	03	10	04	—	68·4	2700+	—	—	—
10	09	10	10	—	63·6	2700+	0·9	68·4	59·4
10	15	10	16	—	63·4	2700+	—	—	—
10	21	10	22	—	64·3	2700+	—	—	—
11	03	11	04	—	72·0	2700+	0·8	—	—
11	09	11	10	—	64·3	2700+	—	72·2	61·3
11	15	11	16	—	63·1	2600	—	—	—
11	21	11	22	—	65·6	2600	—	—	—
12	03	12	04	—	69·9	2700+	0·6	—	—
12	09	12	10	—	64·2	2700+	0·9	71·4	60·9
12	15	12	16	—	63·2	2700+	—	—	0·50
12	21	12	22	—	65·2	2700+	0·9	—	—
13	03	13	04	—	71·3	2700+	0·9	71·4	61·6
13	09	13	10	—	64·8	—	0·6	—	0·25
SUNDAY.									
14	15	14	16	—	63·0	2700+	—	—	61·2
14	21	14	22	—	66·7	1900	0·9	—	—
15	03	15	04	—	72·4	2700+	0·9	—	—
15	09	15	10	—	65·2	2700+	0·6	72·9	61·4
15	15	15	16	—	63·8	2700+	—	—	—
15	21	15	22	—	66·7	2600	—	—	—
16	03	16	04	—	70·9	2600	0·9	—	—
16	09	16	10	—	64·9	—	—	70·9	61·5
16	15	16	16	—	63·5	—	—	—	—
16	21	16	22	—	65·2	2400	—	—	—
17	03	17	04	—	68·5	2000	—	—	—
17	09	17	10	—	63·7	—	—	—	—
17	15	17	16	—	63·2	—	—	68·7	60·8
17	21	17	22	—	66·2	2600	—	—	0·25
18	03	18	04	—	67·5	1600	—	—	—
18	09	18	10	—	64·2	1700	—	69·2	61·1
18	15	18	16	—	62·6	—	—	—	1·25
18	21	18	22	—	66·1	2200	—	—	—
19	03	19	04	—	66·5	1600	—	—	—
19	09	19	10	—	65·6	1600	—	69·0	63·0
19	15	19	16	—	64·9	—	—	—	2·00
19	21	19	22	—	66·5	1800	—	—	—
20	03	20	04	—	67·5	1800	—	—	—
20	09	20	10	—	64·8	1700	—	68·7	63·0
SUNDAY.									
21	15	21	16	—	64·0	2700+	0·6	—	62·1
21	21	21	22	—	65·4	1600	—	—	—
22	03	22	04	—	68·2	1900	0·9	—	—
22	09	22	10	62·4	64·5	—	—	68·2	61·2
22	15	22	16	62·4	63·2	—	—	—	0·25
22	21	22	22	61·9	64·0	2500	—	—	—

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Rain.
St. Helena.	Göttingen.									
FEBRUARY.										
D.	H.	D.	H.	°	°	Fect.				In.
23	03	23	04	63.4	65.8	1600	—	Overcast	—	—
23	09	23	10	62.2	63.3	2700+	—	Cloudy; a few stars visible	65.8	59.6
23	15	23	16	59.9	61.6	—	—	Overcast	—	0.25
23	21	23	22	63.4	64.8	2700	0.9	Clear	—	—
24	03	24	04	62.4	68.0	2700+	0.6	Clear; fine	—	—
24	09	24	10	61.4	63.6	2700+	0.8	Cloudy	70.1	61.6
24	15	24	16	62.5	63.6	—	—	Overcast and dark	—	—
24	21	24	22	61.4	67.4	2700+	0.9	Clear and fine	—	—
25	03	25	04	63.4	70.6	2700	0.9	Clear and fine	—	—
25	09	25	10	65.4	65.6	—	—	Overcast and dark; rain	71.9	61.6
25	15	25	16	64.0	64.1	—	—	Overcast and dark	—	—
25	21	25	22	64.2	65.0	1600	—	Overcast; rain	—	—
26	03	26	04	65.2	66.7	1600	—	Overcast	—	—
26	09	26	10	63.4	64.2	1700	—	Overcast; rain	67.4	60.8
26	15	26	16	63.0	63.2	1600	—	Overcast	—	1.25
26	21	26	22	63.5	64.2	1900	—	Thick; overcast	—	—
27	03	27	04	62.4	64.3	1800	—	Thick; misty	—	—
27	09	27	10	60.5	63.8	2600	0.9	Cloudy; a few stars visible	66.0	60.7
SUNDAY.										
28	15	28	16	63.6	64.3	—	1.0	Overcast and dark; heavy rain	69.6	62.6
28	21	28	22	65.0	65.3	1600	1.0	Overcast; rain	—	—
MARCH.										
1	03	1	04	65.9	67.0	1800	1.0	Overcast	—	—
1	09	1	10	65.4	65.4	1800	1.0	Overcast; drizzling rain	68.5	63.1
1	15	1	16	64.3	65.0	—	1.0	Nearly overcast; a few faint stars	—	—
1	21	1	22	65.2	65.6	1600	1.0	Thick cloud with rain	—	—
2	03	2	04	65.5	66.4	1600	1.0	Heavy rain	—	—
2	09	2	10	62.0	64.2	1600	1.0	Drizzling rain	69.2	62.2
2	15	2	16	63.4	63.9	—	0.6	Cloudy; fair; stars bright	—	1.00
2	21	2	22	64.5	64.7	1600	1.0	Overcast; rain	—	—
3	03	3	04	65.0	68.8	2600	1.0	Cloudy	—	—
3	09	3	10	62.5	64.0	2700	0.9	Cloudy; moon at intervals	70.3	61.0
3	15	3	16	60.5	62.7	2700+	0.6	Clear; stars bright	—	0.25
3	21	3	22	62.6	66.0	2700+	0.9	Fine; clear	—	—
4	03	4	04	64.3	70.7	2700+	0.2	Fine; clear	—	—
4	09	4	10	62.4	64.8	2700+	0.9	Cloudy; moon shining brightly	71.4	61.9
4	15	4	16	62.7	63.8	2700	1.0	Overcast; light showers	—	—
4	21	4	22	63.7	68.2	2700	0.6	Fine; clear	—	—
5	03	5	04	62.6	70.5	2700+	0.6	Fine; clear	—	—
5	09	5	10	63.6	65.2	2600	0.9	Fine; clear	71.7	60.3
5	15	5	16	61.4	62.0	1900	1.0	Overcast	—	—
5	21	5	22	65.0	65.8	2000	1.0	Overcast; dull	—	—
6	03	6	04	60.0	68.6	2700+	0.9	Dull	—	—
6	09	6	10	63.4	65.2	2000	1.0	Overcast	70.9	61.0
SUNDAY.										
7	15	7	16	62.1	63.2	2700+	0.8	Nearly overcast; light cumuli	71.0	61.0
7	21	7	22	64.0	67.3	2700+	0.4	Clear; fine	—	—
8	03	8	04	64.8	71.4	2700+	0.9	Very fine and clear; sunshine	—	—
8	09	8	10	63.0	65.0	2700	0.6	Cloudy; stars; rain	72.8	61.6
8	15	8	16	61.6	63.4	2700+	0.4	Moon; fair; cumuli	—	0.25
8	21	8	22	64.6	67.1	2700+	0.3	Clear; fine; cirro-cumuli	—	—
9	03	9	04	56.7	68.7	2700+	0.1	Clear; fine; cirro-cumuli	—	—
9	09	9	10	62.0	65.0	2700+	0.9	Cloudy; cirro-cumuli	72.1	61.5
9	15	9	16	62.0	64.0	1700	1.0	Heavy rain	—	—
9	21	9	22	62.5	66.1	2700+	0.9	Fine; clear; sun; cirro-strati	—	—
10	03	10	04	64.6	71.4	2700+	0.8	Fair; clear; sun; cumuli	—	—
10	09	10	10	61.4	64.5	2700+	0.8	Fine; clear; stars; cumuli	73.3	61.0
10	15	10	16	62.0	62.7	2700+	0.8	Cloudy; moon and stars; cumuli	—	0.50
10	21	10	22	65.0	67.6	2700	0.8	Clear; sun; cirri; cumuli	—	—
11	03	11	04	66.4	70.2	—	—	—	—	—
11	09	11	10	65.2	65.7	—	1.0	Overcast and dark	73.9	63.3
11	15	11	16	64.5	65.0	1600	1.0	Overcast; rain; cirro-cumuli, strati	—	0.75
11	21	11	22	66.0	66.7	1600	1.0	Overcast; misty	—	—



Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Rain.
St. Helena.	Göttingen.									
MARCH.										
d.	h.	d.	h.	°	°	Feet.				
12	03	12	04	66.7	68.1	1600	1.0	Overcast; thick mist; rain	°	°
12	09	12	10	66.8	66.6	1600	1.0	Overcast; thick mist	69.0	64.1
12	15	12	16	65.3	65.5	1600	1.0	Thick; mist	80.8	2.00
12	21	12	22	67.0	67.0	1900	1.0	Overcast		
13	03	13	04	65.3	67.3	1600	1.0	Overcast; thick mist		
13	09	13	10	63.0	65.7	—	1.0	Overcast; dark	70.4	61.6
SUNDAY.										
14	15	14	16	62.3	63.2	2200	1.0	Overcast; rain	71.6	61.6
14	21	14	22	62.5	67.6	2700+	0.8	Fair; cirro-cumuli	92.6	0.25
15	03	15	04	65.8	68.5	2200	0.9	Nearly overcast; cirro-cumuli		
15	09	15	10	66.1	66.1	—	1.0	Overcast; very dark; drizzling rain	71.0	63.2
15	15	15	16	65.0	66.0	1600	1.0	Overcast	90.2	—
15	21	15	22	66.0	67.2	1900	1.0	Overcast; dull		
16	03	16	04	66.0	69.9	2000	0.9	Sun; nearly overcast		
16	09	16	10	65.0	66.0	—	1.0	Overcast; dark		
16	15	16	16	63.5	65.2	—	1.0	Overcast; dark; rain	71.9	63.4
16	21	16	22	66.4	66.5	1600	1.0	Wet mist	92.8	0.75
17	03	17	04	67.0	68.0	1600	1.0	Overcast; cirro-cumulo-strati		
17	09	17	10	65.6	66.1	—	1.0	Overcast; very dark		
17	15	17	16	64.2	64.8	—	1.0	Overcast; very dark; rain	69.5	62.9
17	21	17	22	66.6	67.0	1600	1.0	Overcast; thick mist	81.0	1.25
18	03	18	04	67.3	68.2	1600	1.0	Overcast; mist		
18	09	18	10	65.0	65.6	1600	1.0	Thick; rain	69.8	62.8
18	15	18	16	65.0	65.0	—	1.0	Overcast; very dark; rain	80.8	0.75
18	21	18	22	65.6	66.0	1600	1.0	Overcast; mist		
19	03	19	04	66.0	66.6	1600	1.0	Thick mist with rain		
19	09	19	10	61.4	63.6	—	1.0	Overcast and dark	69.0	61.1
19	15	19	16	62.6	63.4	—	1.0	Overcast and dark	—	0.75
19	21	19	22	63.0	63.8	1600	1.0	Wind in gusts; rain and mist		
20	03	20	04	62.2	67.9	2700	0.9	Fair; cirro-strati	69.7	61.5
20	09	20	10	61.2	64.0	—	1.0	Cloudy; stars visible	90.6	0.25
SUNDAY.										
21	15	21	16	60.4	64.2	—	1.0	Overcast; calm	70.2	62.5
21	21	21	22	61.4	66.2	2700+	1.0	Dull; haze	92.2	—
22	03	22	04	63.6	70.4	2700+	1.0	Nearly overcast		
22	09	22	10	63.9	64.7	—	1.0	Nearly overcast; a few stars visible	70.8	62.3
22	15	22	16	61.2	64.4	—	1.0	Overcast; dark	89.9	—
22	21	22	22	63.9	65.8	2600	1.0	Overcast; thick		
23	03	23	04	64.6	70.1	2700+	0.8	Fine; clear; cirro-strati		
23	09	23	10	63.6	66.0	—	1.0	Overcast; dark	71.3	62.0
23	15	23	16	63.0	64.1	—	0.9	Nearly overcast; a few stars visible	93.2	0.25
23	21	23	22	64.0	65.6	2000	1.0	Nearly overcast; drizzling rain		
24	03	24	04	64.0	69.6	2700	0.9	Fair; sun; cirro-cumuli		
24	09	24	10	64.0	64.2	—	0.8	Starlight	71.6	62.2
24	15	24	16	62.2	64.0	—	0.9	Cloudy; stars visible	90.8	—
24	21	24	22	62.0	66.5	2700+	0.8	Fair; clear; sun; cirro-cumuli		
25	03	25	04	61.9	69.6	2700+	0.7	Clear; sun; cumuli		
25	09	25	10	61.4	63.7	—	0.8	Fine; clear; stars bright	70.9	60.8
25	15	25	16	61.2	63.0	—	0.9	Nearly overcast	95.4	—
25	21	25	22	60.0	66.2	2700+	1.0	Clear; fair; cirro-cumuli		
26	03	26	04	60.0	70.9	2700+	0.2	Clear; fine; sun; cumuli		
26	09	26	10	61.6	64.0	2700+	0.4	Clear and fair; stars; cumuli	71.7	61.0
26	15	26	16	60.2	63.0	2700+	0.9	Cloudy; stars dim	97.4	—
26	21	26	22	63.6	67.7	2700+	1.0	Clear; fair; sun; strati		
27	03	27	04	65.0	71.7	2700+	0.9	Fair; dull; cirro-cumuli		
27	09	27	10	64.4	66.1	—	1.0	Cloudy; a few dim stars	73.0	63.7
SUNDAY.										
28	15	28	16	63.5	65.0	—	0.9	Cloudy; a few dim stars	72.8	63.3
28	21	28	22	63.6	67.6	2700+	0.8	Clear; fair; sun; strati	95.4	—
29	03	29	04	65.0	70.8	2600	0.8	Clear; fine; sun; strati		
29	09	29	10	62.5	65.2	—	0.9	Cloudy; a few stars	72.0	62.6
29	15	29	16	63.4	64.0	—	0.9	Cloudy; stars	96.6	—
29	21	29	22	64.2	68.4	2700+	0.8	Fair; clear; cumuli		

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Rain.
St. Helena.	Göttingen.									
MARCH.										
D.	H.	D.	H.	°	°	Feet.				
30	03	30	04	65.4	70.6	2400	0.9	Cloudy; fine; strati	°	°
30	09	30	10	63.9	64.5	2600	0.9	Fair; moon and stars; strati	71.9	62.3
30	15	30	16	62.0	64.3	—	0.9	Nearly overcast; a few stars		96.8
30	21	30	22	64.0	67.2	2700+	0.8	Fair and clear; sun; cumulo-strati		
31	03	31	04	66.0	69.5	2700	0.9	Sun; fair and clear; cumuli and strati		
31	09	31	10	63.0	65.2	2600	0.9	Cloudy; cirri	71.4	62.9
31	15	31	16	62.6	64.0	—	0.9	Nearly overcast; a few stars		91.0
31	21	31	22	65.6	68.3	2400	0.9	Haze; fair; sun		
APRIL.										
1	03	1	04	65.0	70.6	2500	0.7	Clear; fine; sun; cirro-strati		
1	09	1	10	62.5	64.8	—	1.0	Overcast	72.8	62.2
1	15	1	16	61.5	64.0	—	1.0	Overcast		96.6
1	21	1	22	64.6	67.6	2600	0.7	Clear; fine; sun; cumuli		
2	03	2	04	65.0	70.0	2700	0.8	Clear and fair; cirro-cumuli		
2	09	2	10	63.5	65.5	—	1.0	Overcast	71.4	62.0
2	15	2	16	61.0	63.6	2600	0.8	Clear; fair; moon and stars		95.7
2	21	2	22	63.0	67.1	2600	0.8	Cloudy; fair; sun; cumulo-strati		
3	03	3	04	66.0	70.5	2700+	0.6	Clear and fair; cirro-cumuli	71.0	61.8
3	09	3	10	62.0	64.7	2700+	0.9	Cloudy; moon and stars at intervals		95.0
SUNDAY.										
4	15	4	16	63.0	64.0	2000	1.0	Overcast	72.0	62.0
4	21	4	22	62.0	67.3	2700+	0.5	Clear and fine; cirro-strati		98.6
5	03	5	04	66.0	69.9	2700+	0.9	Clear and fair; cumuli		
5	09	5	10	64.6	66.1	1900	1.0	Overcast	71.0	62.0
5	15	5	16	64.5	65.5	2400	1.0	Overcast, but fair		84.3
5	21	5	22	66.0	66.8	1700	1.0	Overcast; rain; cirro-cumulo-strati		
6	03	6	04	67.0	67.9	1700	1.0	Overcast		
6	09	6	10	65.0	65.5	1700	1.0	Rain	70.1	61.9
6	15	6	16	65.0	64.6	2000	1.0	Overcast		85.4
6	21	6	22	64.6	65.0	1600	1.0	Overcast		0.75
7	03	7	04	64.0	67.7	2600	1.0	Overcast		
7	09	7	10	63.0	63.8	1600	1.0	Overcast; rain; thick		
7	15	7	16	60.6	63.1	2700+	1.0	Overcast	69.5	60.9
7	21	7	22	63.4	64.1	2200	0.9	Nearly overcast, strati		82.0
8	03	8	04	64.6	66.6	1600	1.0	Overcast; rain		0.50
8	09	8	10	62.0	64.0	2600	1.0	Overcast	69.3	62.0
Good Friday.										
9	15	9	16	63.6	64.4	1600	1.0	Overcast; wet mist		
9	21	9	22	64.5	65.2	1600	1.0	Thick; mist	70.8	61.7
10	03	10	04	64.0	67.5	2000	1.0	Thick; overcast		95.6
10	09	10	10	62.0	64.3	—	1.0	Overcast and dark		
SUNDAY.										
11	15	11	16	—	—	—	—	Overcast; rain	68.6	61.0
11	21	11	22	64.0	65.4	2500	1.0	Overcast; rain		89.6
12	03	12	04	61.4	69.3	2700+	0.9	Clear, sun; cirro-cumuli		
12	09	12	10	62.0	63.1	2700+	0.0	Nearly cloudless; stars	71.4	60.9
12	15	12	16	62.0	63.0	—	1.0	Overcast, rain		102.0
12	21	12	22	64.8	65.4	1900	1.0	Overcast; rain	70.8	60.5
13	03	13	04	62.6	68.0	2700+	0.7	Clear; sun; cumuli		96.8
13	09	13	10	60.5	63.2	—	0.6	Clear; stars dim		0.50
13	15	13	16	62.4	63.2	—	1.0	Overcast; dark; rain	69.5	61.2
13	21	13	22	59.6	66.3	2700+	0.8	Clear; fair; sun; cumulo-strati		88.7
14	03	14	04	63.6	68.8	2700+	0.8	Clear; sun; cirro-strati		
14	09	14	10	63.6	63.0	—	1.0	Overcast; dark; rain		0.25
14	15	14	16	61.8	62.5	2700+	0.4	Moon and stars, cloudy	70.3	60.6
14	21	14	22	64.3	65.1	2600	1.0	Thick; overcast		95.6
15	03	15	04	62.8	69.4	2700+	0.4	Clear; fine sun, cumulo-strati		
15	09	15	10	63.0	64.5	2700+	0.8	Cloudy; stars visible		
15	15	15	16	63.3	63.8	1700	0.9	Fog	70.7	59.8
15	21	15	22	64.3	65.0	2200	0.9	Dull; thick		95.3
16	03	16	04	65.0	70.5	2700+	0.8	Clear; fine sun; cumuli		0.25
16	09	16	10	62.6	63.5	—	1.0	Overcast; dark; drizzling rain		
16	15	16	16	61.5	63.5	—	0.8	Stars dim	71.0	60.8
16	21	16	22	63.5	67.7	2700+	0.9	Haze		99.6

Mean Solar Time. (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr <sup>l</sup> . Rad.	Rain.	
St. Helena.	Göttingen.											
APRIL.												
D.	H.	D.	H.	°	°	Feet.					In.	
17	03	17	04	65.0	69.4	2700+	0.9	Cloudy; fair; sun; cumuli	69.9	60.6	95.3	—
17	09	17	10	61.6	63.8	2700+	0.1	Bright starlight				—
SUNDAY.												
18	15	18	16	—	64.6	—	1.0	Overcast				—
18	21	18	22	63.5	66.0	1800	1.0	Overcast	71.0	62.0	104.9	—
19	03	19	04	64.2	69.7	2700	0.9	Clear; sun; cumuli				—
19	09	19	10	63.7	65.1	—	1.0	Nearly overcast; a few stars visible				—
19	15	19	16	63.0	63.9	—	0.9	Nearly overcast; a few stars	71.9	61.9	94.8	—
19	21	19	22	64.6	66.8	2500	0.8	Cloudy; sun; cumuli				—
20	03	20	04	63.0	69.0	2600	0.8	Fair; cirro-cumuli				—
20	09	20	10	64.0	65.0	—	1.0	Nearly overcast; a few stars				—
20	15	20	16	63.6	64.1	—	1.0	Dark; overcast	70.8	62.4	97.0	—
20	21	20	22	65.4	66.9	2600	0.9	Cloudy; sun; cirro-strati				—
21	03	21	04	66.0	68.2	2600	0.8	Cloudy; sun; cumuli				—
21	09	21	10	62.5	64.2	—	1.0	Cloudy; a few stars				—
21	15	21	16	62.7	64.0	—	1.0	Overcast	70.0	62.4	94.4	—
21	21	21	22	64.6	65.5	2700	1.0	Dull; thick				—
22	03	22	04	66.0	68.6	2000	0.9	Fine; sun; strati and cumuli				—
22	09	22	10	65.0	65.7	—	1.0	Rain				—
22	15	22	16	64.8	65.0	—	1.0	Overcast; dark; rain	70.5	63.2	97.7	—
22	21	22	22	65.6	65.7	1600	1.0	Overcast, mist; rain				—
23	03	23	04	66.0	69.6	2700	1.0	Dull; cloudy				—
23	09	23	10	—	64.4	2700+	0.4	Bright starlight				—
23	15	23	16	64.2	64.2	—	1.0	Overcast and dark	70.7	61.4	97.8	—
23	21	23	22	63.6	64.9	2700+	0.0	Clear; fine; sun				—
24	03	24	04	62.0	69.5	2700+	0.5	Clear; fine; sun; cumuli				—
24	09	24	10	64.4	65.2	—	1.0	Cloudy; a few stars	72.0	61.0	106.1	—
SUNDAY.												
25	15	25	16	61.0	62.0	2700+	0.0	Starlight	72.0	60.2	110.4	—
25	21	25	22	64.0	64.7	1700	1.0	Mist; drizzling rain				—
26	03	26	04	65.9	66.0	1600	1.0	Overcast; thick				—
26	09	26	10	63.5	64.4	—	1.0	Overcast	67.0	62.0	76.4	—
26	15	26	16	63.0	63.8	—	1.0	Overcast and dark				1.50
26	21	26	22	65.1	66.4	1700	1.0	Thick; overcast				—
27	03	27	04	64.7	67.0	2600	0.9	Nearly overcast; cirro cumuli				—
27	09	27	10	61.0	62.6	2700+	0.1	Moon and stars bright	68.9	60.0	93.7	—
27	15	27	16	61.0	62.4	2700+	0.4	Bright starlight				0.25
27	21	27	22	63.0	65.2	2600	0.7	Cloudy; sun; cumuli				—
28	03	28	04	64.6	68.0	2700+	0.9	Clear; fair; cumuli				—
28	09	28	10	64.1	65.2	2400	1.0	Overcast	70.1	62.5	96.7	—
28	15	28	16	63.6	64.5	—	1.0	Overcast; dark				—
28	21	28	22	64.5	66.2	1600	1.0	Overcast; mist				—
29	03	29	04	64.0	66.4	2400	1.0	Overcast; dull				—
29	09	29	10	62.6	64.8	2600	1.0	Overcast; moon at intervals	68.7	61.0	87.6	—
29	15	29	16	62.0	63.4	2700+	0.9	Nearly overcast; a few stars visible				—
29	21	29	22	62.0	64.7	2700+	1.0	Overcast; cirro-strati				—
30	03	30	04	62.4	66.3	2700+	0.9	Dull; cirro-strati				—
30	09	30	10	62.0	63.7	2700+	0.9	Moonlight, with stars; cumuli and strati	67.4	59.0	82.0	—
30	15	30	16	60.5	61.5	—	1.0	Overcast; rain				0.50
30	21	30	22	63.6	65.3	2500	0.8	Cloudy; sun; cumuli				—
MAY.												
1	03	1	04	64.0	66.2	2600	1.0	Overcast; dull	—	61.0	86.5	—
1	09	1	10	62.0	63.2	2000	0.9	Moonlight; a few stars; cumuli				0.75
SUNDAY.												
2	15	2	16	57.5	62.4	—	1.0	Overcast	67.3	60.6	86.5	—
2	21	2	22	62.4	65.5	2700	1.0	Overcast				—
3	03	3	04	59.6	66.7	2700+	0.9	Nearly overcast; dull; strati				—
3	09	3	10	61.0	63.3	2700+	1.0	Overcast	—	60.4	—	—
3	15	3	16	56.4	62.5	2700+	1.0	Overcast; moon at intervals				—
3	21	3	22	61.0	65.1	2700+	1.0	Overcast				—
4	03	4	04	59.5	65.5	2600	1.0	Overcast				—
4	09	4	10	60.4	61.2	2700	1.0	Cloudy; moon at intervals	68.2	58.0	90.8	—
4	15	4	16	56.8	60.2	2700+	1.0	Overcast				0.25
4	21	4	22	60.4	63.0	2700+	0.9	Dull; cloudy; strati				—

Mean Solar Time (Astronom'. Recks.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.										
MAY.											
D.	H.	D.	H.	°	°	Feet.					In.
5	03	5	04	63.0	66.6	2600	0.9	Clear; fine; sun; cumuli and strati	-	-	-
5	09	5	10	62.0	63.5	2600	0.9	Moon at intervals; a few stars	-	-	-
5	15	5	16	—	62.7	—	1.0	Overcast	-	-	67.6
5	21	5	22	60.4	63.3	1700	1.0	Rain; mist	-	-	58.8
6	03	6	04	63.8	64.6	2400	1.0	Overcast	-	-	96.4
6	09	6	10	61.2	61.8	1600	1.0	Overcast; rain	-	-	57.6
6	15	6	16	—	62.0	—	1.0	Overcast; rain	-	-	66.8
6	21	6	22	—	62.6	1600	1.0	Overcast; rain	-	-	59.7
7	03	7	04	62.6	63.6	2200	1.0	Drizzling rain	-	-	82.9
7	09	7	10	58.5	62.4	2700+	1.0	Overcast	-	-	—
7	15	7	16	59.3	60.8	2700+	0.9	Cloudy; moon and stars; cumuli	-	-	0.75
7	21	7	22	60.8	62.8	2700+	1.0	Nearly overcast; cumuli	-	-	—
8	03	8	04	61.6	63.2	2500	0.8	Clear; sun; cumuli	-	-	1.75
8	09	8	10	60.4	61.6	2700	0.9	Cloudy; moon and stars	-	-	—
SUNDAY.											
9	15	8	16	57.6	61.1	2700+	0.4	Moon and stars visible; strati	-	-	65.8
9	21	8	22	62.8	64.6	2600	0.9	Nearly overcast	-	-	58.2
10	03	10	04	63.5	65.6	2600	1.0	Overcast	-	-	82.8
10	09	10	10	60.5	63.0	—	0.8	Stars bright	-	-	—
10	15	10	16	60.6	62.8	—	1.0	Wind in gusts; overcast	-	-	67.6
10	21	10	22	61.6	65.0	2700+	1.0	Overcast; dull	-	-	60.6
11	03	11	04	61.6	67.1	2700+	0.9	Cloudy; cumulo-strati	-	-	91.0
11	09	11	10	61.0	63.0	—	0.2	Stars bright	-	-	—
11	15	11	16	57.5	62.3	2700+	0.4	Wind in gusts; moon and stars	-	-	68.0
11	21	11	22	59.4	63.3	2700+	1.0	Dull; overcast	-	-	60.7
12	03	12	04	62.6	66.2	2500	0.8	Cloudy; cumuli	-	-	88.8
12	09	12	10	61.8	63.8	—	1.0	Overcast	-	-	—
12	15	12	16	61.4	63.0	2600	1.0	Overcast	-	-	0.25
12	21	12	22	64.2	64.8	1600	1.0	Overcast; rain	-	-	67.3
13	03	13	04	65.5	68.2	1600	1.0	Overcast; thick	-	-	—
13	09	13	10	64.4	64.6	—	1.0	Overcast; dark; rain	-	-	85.0
13	15	13	16	62.6	63.4	—	1.0	Rain	-	-	59.8
13	21	13	22	61.0	63.8	2500	0.9	Nearly overcast	-	-	0.25
14	03	14	04	61.5	66.2	2000	1.0	Overcast	-	-	69.7
14	09	14	10	58.1	62.1	—	1.0	Overcast; dark	-	-	61.4
14	15	14	16	59.0	61.4	—	1.0	Overcast; drizzling rain	-	-	86.0
14	21	14	22	59.0	62.5	2700+	1.0	Overcast; haze	-	-	—
15	03	15	04	59.4	64.3	2600	1.0	Overcast; haze	-	-	0.50
15	09	15	10	57.0	62.0	—	1.0	Overcast; wind in gusts	-	-	66.6
SUNDAY.											
16	15	16	16	59.5	62.0	—	0.9	Cloudy; a few dim stars	-	-	59.5
16	21	16	22	—	64.9	2700+	0.4	Clear; fine; cumuli and cirri	-	-	59.8
17	03	17	04	—	67.5	2700	0.9	Cloudy; cumulo-strati	-	-	87.8
17	09	17	10	—	62.8	—	1.0	Overcast	-	-	—
17	15	17	16	—	61.0	2700+	0.4	Cloudy; stars bright	-	-	68.8
17	21	17	22	—	63.4	2700+	0.9	Nearly overcast; dull	-	-	59.5
18	03	18	04	—	67.2	2700+	0.0	Clear; fine; sun	-	-	92.3
18	09	18	10	—	62.1	—	1.0	Overcast	-	-	57.8
18	15	18	16	—	61.0	—	1.0	Overcast; rain	-	-	—
18	21	18	22	—	63.5	2600	1.0	Overcast; rain; cirro-cumulo-strati	-	-	68.4
19	03	19	04	—	66.8	2700+	0.2	Clear; cumuli	-	-	59.0
19	09	19	10	—	59.7	2700+	0.1	Clear; stars bright	-	-	99.1
19	15	19	16	—	59.7	—	1.0	Calm; overcast	-	-	—
19	21	19	22	—	63.2	2700+	0.4	Clear; fine; cumuli and strati	-	-	67.0
20	03	20	04	—	63.7	2700+	0.9	Dull; haze	-	-	57.3
20	09	20	10	—	59.8	2700+	0.1	Clear and calm; stars very bright	-	-	97.8
20	15	20	16	—	57.5	2700+	0.0	Clear; calm; stars bright	-	-	—
20	21	20	22	—	63.2	2700+	0.8	Fair; sun; cumulo-strati	-	-	67.3
21	03	22	04	—	68.7	2700+	0.9	Cloudy; fair; cumulo-strati	-	-	55.6
21	09	22	10	—	62.0	2700+	0.4	Clear; stars bright	-	-	95.8
21	15	22	16	—	59.8	2700+	0.1	Clear; calm; stars bright	-	-	52.8
21	21	22	22	—	63.7	2700+	0.0	Clear; fine; calm	-	-	72.2

Mean Solar Time (Astronom. reckg.)				Dew Point.	Standard Therm.	Approxi- mate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.												
MAY.				°	°	Feet.			°	°	°	°	In.
22	03	22	04	—	69.5	2700+	0.2	Clear; fine; calm; cumuli and cirri					
22	09	22	10	—	62.1	2700+	0.9	Cloudy; a few stars visible	70.8	59.1	98.6	54.6	—
SUNDAY.													
23	15	23	16	—	58.6	2700+	0.0	Cloudless; stars bright	70.8	—	100.8	56.7	—
23	21	23	22	—	62.6	2700+	0.1	Nearly cloudless; sun; cumuli					
24	03	24	04	—	67.4	2700+	0.2	Clear; fine; sun					
24	09	24	10	—	61.6	2700+	0.5	Cloudy; moon and stars	70.3	56.5	106.7	51.6	—
24	15	24	16	—	59.2	2700+	0.0	Cloudless; stars bright					
24	21	24	22	—	60.0	2700+	0.4	Clear; fine					
25	03	25	04	—	67.4	2700+	0.8	Clear; fine; cumuli and strati					
25	09	25	10	—	60.4	2700+	0.1	Clear; moon and stars	68.6	57.5	94.7	52.8	—
25	15	25	16	—	59.2	2700+	0.4	Cloudy; stars bright					
25	21	25	22	—	63.5	2700+	0.8	Cloudy; cumulo-strati					
26	03	26	04	—	66.7	2700+	0.9	Cloudy; cumulo-strati					
26	09	26	10	—	61.5	2700+	0.8	Cloudy	68.4	59.2	97.8	54.2	—
26	15	26	16	—	61.0	—	1.0	Overcast					
26	21	26	22	—	62.8	2000	1.0	Nearly overcast; drizzling rain; cumuli					
27	03	27	04	—	65.1	2700	0.8	Clear; cumuli					
27	09	27	10	—	61.9	2600	1.0	Overcast; moon at intervals	66.9	59.4	91.5	58.8	—
27	15	27	16	—	61.0	2700+	0.2	Stars bright; cumuli					
27	21	27	22	—	63.9	2700+	0.9	Nearly overcast					
28	03	28	04	—	64.1	2600	1.0	Overcast; cirro-cumulo-strati					
28	09	28	10	—	61.0	2700+	0.9	Cloudy; moon	66.8	57.8	89.7	57.7	0.25
28	15	28	16	—	59.8	—	0.9	Nearly overcast; a few stars					
28	21	28	22	—	63.1	2700+	0.8	Clear; cumuli and strati					
29	03	29	04	—	—	2700+	1.0	Overcast					
29	09	29	10	—	61.0	2700+	0.8	Cloudy; moon and stars; cumuli	66.5	56.7	90.9	57.0	—
SUNDAY.													
30	15	30	16	—	58.4	—	1.0	Overcast; rain	62.6	55.6	79.6	—	—
30	21	30	22	—	62.6	2700+	0.9	Overcast					
31	03	31	04	—	63.9	2700+	0.9	Fair; sun; cumuli					
31	09	31	10	—	61.0	2600	1.0	Nearly overcast					
31	15	31	16	—	60.6	2700+	0.9	Overcast; rain; calm	65.4	58.4	85.0	56.2	0.75
31	21	31	22	—	60.8	1600	1.0	Heavy rain					
JUNE.													
1	03	1	04	—	65.5	2600	1.0	Dull; thick					
1	09	1	10	—	61.4	1900	1.0	Overcast; rain	66.2	59.6	86.7	57.7	2.75
1	15	1	16	—	60.7	2000	1.0	Nearly overcast; moon and stars					
1	21	1	22	—	61.6	2400	1.0	Overcast; rain					
2	03	2	04	—	64.8	2700	1.0	Dull; thick					
2	09	2	10	—	60.5	2700	1.0	Moon at intervals					
2	15	2	16	—	60.6	2000	0.9	Nearly overcast; a few stars visible	65.5	58.0	84.0	58.8	0.75
2	21	2	22	—	63.0	2600	1.0	Dull; thick					
3	03	3	04	—	63.6	2600	0.9	Nearly overcast					
3	09	3	10	—	61.3	2700+	0.9	Cloudy; moon	64.2	58.3	80.7	57.7	0.50
3	15	3	16	—	60.6	2600	1.0	Nearly overcast					
3	21	3	22	—	61.4	1600	1.0	Overcast; drizzling rain					
4	03	4	04	—	63.0	2000	1.0	Overcast; dull					
4	09	4	10	—	61.7	1800	1.0	Overcast; thick	65.1	58.2	82.7	58.6	—
4	15	4	16	—	60.6	2400	0.9	Nearly overcast; rain					
4	21	4	22	—	62.1	1800	1.0	Overcast; rain					
5	03	5	04	—	65.0	2700+	0.9	Fair; overcast					
5	09	5	10	—	61.4	2600	0.8	Cloudy; moon and stars	66.3	58.2	89.4	58.4	—
SUNDAY.													
6	15	6	16	—	60.8	2600	1.0	Fair; moon and stars	67.9	58.0	97.9	55.9	—
6	21	6	22	—	63.6	2700+	0.9	Cloudy; fair; cumulo-strati					
7	03	7	04	—	69.2	2700+	0.1	Clear; fair; sun; cumuli					
7	09	7	10	—	61.2	2700+	0.1	Clear; moon and stars	70.4	58.5	98.7	55.7	—
7	15	7	16	—	60.1	2000	0.9	Cloudy; moon and stars; strati					
7	21	7	22	—	64.2	2200	0.9	Dull; cloudy; cumuli					
8	03	8	04	—	68.6	2700+	0.4	Clear; fair; sun; cumuli					
8	09	8	10	—	62.0	2700+	0.5	Cloudy; stars	70.0	58.2	97.0	54.6	—
8	15	8	16	—	60.5	2700+	0.9	Overcast; a few stars; cirro-cumuli					
8	21	8	22	—	63.7	2700+	0.2	Fair; sun; cumuli					

Mean Solar Time (Astronom'. Reck'g.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr'. Rad.	Rain.		
St. Helena.	Göttingen.												
JUNE.													
D.	H.	D.	H.	°	°	Feet.					In.		
9	03	9	04	—	66.7	2700+	0.8	Fair; cumuli					
9	09	9	10	—	61.8	2700+	0.6	Cloudy; stars; cumuli	68.5	58.4	94.5	55.3	—
9	15	9	16	—	60.8	2700+	0.9	Cloudy; moon					
9	21	9	22	—	63.7	2700+	0.9	Cloudy; fair; cumuli					
10	03	10	04	—	65.8	2700+	0.3	Fair; sun; cumuli					
10	09	10	10	—	60.8	—	1.0	Overcast; dark	68.2	58.7	96.3	56.7	—
10	15	10	16	—	60.8	2700+	1.0	Fair; overcast					
10	21	10	22	—	63.3	2700+	0.8	Fair					
11	03	11	04	—	65.4	2700+	0.4	Fair; cumulo-strati					
11	09	11	10	—	61.0	—	0.8	Cloudy; stars visible					
11	15	11	16	—	59.6	2700+	0.4	Cloudy; fair; stars; cumuli	67.4	57.8	101.3	55.8	—
11	21	11	22	—	63.2	2700+	1.0	Overcast; dull					
12	03	12	04	—	63.4	1700	1.0	Overcast					
12	09	12	10	—	60.6	—	0.9	Cloudy; fair; stars	66.4	58.2	80.9	52.9	0.50
SUNDAY.													
13	15	13	16	—	60.3	—	1.0	Wind in gusts; very dark	65.0	56.6	80.9	57.6	—
13	21	13	22	—	59.7	2700+	1.0	Overcast; thick					
14	03	14	04	—	60.0	1800	1.0	Overcast; rain					
14	09	14	10	—	59.0	—	1.0	Overcast; a few dim stars	63.6	55.5	85.9	—	0.50
14	15	14	16	—	58.8	—	1.0	Overcast; dark					
14	21	14	22	—	60.4	2500	1.0	Overcast					
15	03	15	04	—	62.2	2400	1.0	Overcast; dull					
15	09	15	10	—	59.2	—	0.9	Cloudy; a few dim stars	63.2	55.8	86.3	—	0.75
15	15	15	16	—	58.5	—	1.0	Nearly overcast					
15	21	15	22	—	59.3	2500	1.0	Overcast; thick					
16	03	16	04	—	62.0	2700+	0.9	Dull; thick					
16	09	16	10	—	58.7	—	1.0	Very dark; mist	62.9	55.0	81.0	53.3	0.50
16	15	16	16	—	57.5	—	0.9	Nearly overcast; a few stars					
16	21	16	22	—	58.4	2500	0.9	Dull; thick					
17	03	17	04	—	59.5	2500	1.0	Overcast; mist					
17	09	17	10	—	58.4	—	1.0	Overcast; very dark	61.8	56.6	81.7	54.2	0.25
17	15	17	16	—	58.8	—	1.0	Overcast; dark					
17	21	17	22	—	60.6	2700+	1.0	Dull; overcast					
18	03	18	04	—	62.7	2700+	1.0	Fair					
18	09	18	10	—	59.8	—	1.0	Overcast and dark	65.2	57.3	92.8	—	—
18	15	18	16	—	59.2	—	1.0	Nearly overcast; a few stars					
18	21	18	22	—	61.4	2700+	1.0	Overcast; dull					
19	03	19	04	—	62.3	2700+	0.9	Cloudy; dull					
19	09	19	10	—	59.7	—	1.0	Overcast	63.9	57.6	83.1	55.8	—
SUNDAY.													
20	15	20	16	—	59.5	—	1.0	Wind in gusts; overcast and dark	62.5	57.3	72.1	57.2	—
20	21	20	22	—	60.6	2700+	1.0	Overcast; thick					
21	03	21	04	—	62.7	2700	0.8	Clear; fair; sun; cumulo-strati					
21	09	21	10	—	60.0	—	1.0	Nearly overcast; a few stars	65.0	55.8	91.7	—	—
21	15	21	16	—	58.4	—	0.9	Nearly overcast; a few stars					
21	21	21	22	—	59.6	2700+	1.0	Dull; thick					
22	03	22	04	—	63.6	2600	1.0	Dull; thick					
22	09	22	10	—	59.2	—	1.0	Wind in gusts; overcast		55.4			
22	15	22	16	—	57.9	—	1.0	Showery; very dark					
22	21	22	22	—	60.6	2700	1.0	Dull; thick					
23	03	23	04	—	60.7	2700+	0.7	Cloudy; fair; sun					
23	09	23	10	—	59.0	—	0.9	Cloudy	63.9	54.3	83.0	—	0.25
23	15	23	16	—	56.6	—	1.0	Overcast					
23	21	23	22	—	58.9	1600	1.0	Wind in gusts; rain					
24	03	24	04	—	60.8	2600	0.9	Dull					
24	09	24	10	—	57.5	2700+	0.8	Cloudy; moon and stars; cumuli	61.5	54.0	72.1	—	0.50
24	15	24	16	—	57.5	—	1.0	Overcast; dark					
24	21	24	22	—	58.5	1800	1.0	Overcast; mist					
25	03	25	04	—	60.0	2500	1.0	Overcast; drizzling rain					
25	09	25	10	—	57.2	—	1.0	Overcast; mist					
25	15	25	16	—	56.4	—	1.0	Cloudy; a few stars visible	62.8	53.5	85.8	53.6	0.25
25	21	25	22	—	58.5	2700+	1.0	Clear; sun; cumuli					

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.										
JUNE.											
D.	H.	D.	H.	°	°	Fect.					In.
26	03	26	04	—	61·5	2700+	0·8	Clear; fair; sun; cumulo-strati	—	—	—
26	09	26	10	—	56·8	2600	0·9	Cloudy; moon and stars; cumuli	62·0	52·5	89·8 52·0
SUNDAY.											
27	15	27	16	—	57·5	2700+	0·2	Clear; fair; stars bright	63·1	55·8	95·7 — —
27	21	27	22	—	60·8	2700+	0·8	Fair; sun; cumulo-strati	—	—	—
28	03	28	04	—	62·2	2700+	0·9	Fair; sun; cumulo-strati	—	—	—
28	09	28	10	—	58·7	2700+	0·9	Nearly overcast, a few stars visible	63·6	56·4	86·0 53·6
28	15	28	16	—	58·5	—	1·0	Dark; overcast	—	—	—
28	21	28	22	—	59·6	2000	1·0	Overcast; thick	—	—	—
29	03	29	04	—	62·4	2600	1·0	Thick; dull	—	—	—
29	09	29	10	—	58·9	2700+	0·8	Cloudy; moon and stars	63·8	56·8	84·3 54·4
29	15	29	16	—	58·6	—	0·8	Moon and a few stars visible	—	—	—
29	21	29	22	—	61·3	2700+	0·7	Clear; fair; sun	—	—	—
30	03	30	04	—	62·4	2700+	1·0	Overcast	—	—	—
30	09	30	10	—	60·2	—	1·0	Overcast	64·4	57·3	89·1 54·2
30	15	30	16	—	59·7	2700	1·0	Overcast	—	—	0·25
30	21	30	22	—	61·2	2600	1·0	Dull; thick	—	—	—
JULY.											
1	03	1	04	—	61·5	2700+	1·0	Dull; thick	—	—	—
1	09	1	10	—	60·0	2700	1·0	Nearly overcast; moon	62·2	57·0	72·8 55·8
1	15	1	16	—	59·4	2700+	1·0	Overcast	—	—	—
1	21	1	22	—	61·2	2700+	0·9	Fair; sun; cumuli	—	—	—
2	03	2	04	—	63·1	2700+	1·0	Gusts of wind; dull; overcast	—	—	—
2	09	2	10	—	59·5	2700+	1·0	Overcast	64·4	55·4	84·9 55·9
2	15	2	16	—	58·1	2700+	1·0	Overcast	—	—	—
2	21	2	22	—	59·6	2700+	1·0	Dull; thick	—	—	—
3	03	3	04	—	62·8	2700+	0·3	Clear; fine; cumulo-strati	63·3	54·5	82·6 53·2
3	09	3	10	—	57·9	1600	1·0	Overcast; wet; mist	—	—	0·25
SUNDAY.											
4	15	4	16	—	55·6	—	1·0	Overcast; rain	62·1	53·5	76·9 54·0
4	21	4	22	—	57·2	2700+	1·0	Overcast	—	—	—
5	03	5	04	—	63·0	2700+	1·0	Cloudy; fair; cumulo-strati	—	—	—
5	09	5	10	—	57·2	2700+	0·1	Fair; stars bright	63·9	54·1	93·8 53·5
5	15	5	16	—	57·3	2700+	1·0	Overcast	—	—	0·25
5	21	5	22	—	60·1	2700+	0·8	Clear; fair; cirro-cumuli	—	—	—
6	03	6	04	—	63·0	2700+	1·0	Dull; thick	—	—	—
6	09	6	10	—	59·3	2700+	1·0	Overcast	64·1	55·7	94·4 48·3
6	15	6	16	—	57·8	2700+	1·0	Overcast	—	—	—
6	21	6	22	—	60·5	2700+	1·0	Overcast	—	—	—
7	03	7	04	—	63·0	2700+	0·9	Clear; fair; cumuli	—	—	—
7	09	7	10	—	57·7	2700+	0·0	Cloudless; fair; stars	64·9	54·9	95·7 52·6
7	15	7	16	—	57·2	2700+	0·7	Cloudy	—	—	—
7	21	7	22	—	60·0	1900	1·0	Overcast; dull	—	—	—
8	03	8	04	—	60·5	2700+	1·0	Overcast; dull	—	—	—
8	09	8	10	—	58·0	2700+	0·8	Cloudy; fair; stars	63·3	55·2	84·8 50·7
8	15	8	16	—	58·0	2700+	0·9	Nearly overcast	—	—	—
8	21	8	22	—	57·9	2600	1·0	Dull; overcast	—	—	—
9	03	9	04	—	62·4	2700+	0·4	Clear; fair; cumuli	—	—	—
9	09	9	10	—	57·1	2700+	0·1	Clear; stars bright	65·9	54·4	85·7 53·3
9	15	9	16	—	57·8	2700+	1·0	Overcast; rain	—	—	—
9	21	9	22	—	59·5	2700+	1·0	Thick; dull	—	—	—
10	03	10	04	—	59·3	2700+	1·0	Thick; dull	62·6	53·5	83·9 52·4
10	09	10	10	—	58·2	—	1·0	Overcast; very dark	—	—	0·25
SUNDAY.											
11	15	11	16	—	57·2	1900	1·0	Overcast	60·9	53·8	— 53·0
11	21	11	22	—	57·8	1600	1·0	Thick; overcast; rain	—	—	—
12	03	12	04	—	60·7	2700+	1·0	Wind in gusts; overcast; cumuli	—	—	—
12	09	12	10	—	56·9	—	1·0	Wind in gusts; overcast	61·4	53·4	76·8 — 0·25
12	15	12	16	—	56·0	2700+	0·5	Wind in gusts; cloudy; a few stars visible	—	—	—
12	21	12	22	—	58·4	2700+	1·0	Wind in gusts; thick; dull	—	—	—
13	03	13	04	—	61·0	2700+	0·9	Clear; fair; sun	—	—	—
13	09	13	10	—	57·4	—	1·0	Nearly overcast; a few dim stars	62·2	53·9	82·8 51·8
13	15	13	16	—	56·7	—	1·0	Wind in gusts; overcast; dark	—	—	0·25
13	21	13	22	—	58·4	2700+	0·9	Cloudy; dull	—	—	—

Mean Solar Time (Astronom. Reck <sup>g</sup> .)		Dew Point.	Standard Therm.	Approxi- mate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.												
JULY.													
D.	H.	D.	H.	°	Feet.						In.		
14	03	14	04	—	61.3	2700+	0.8	Clear; fair	—	—	—	—	
14	09	14	10	—	57.5	—	0.6	Clear; stars	—	—	—	—	
14	15	14	16	—	56.6	2700+	0.9	Cloudy; stars	61.8	53.0	81.8	52.8	—
14	21	14	22	—	57.0	2700+	0.9	Fair; sun; cumulo-strati	—	—	—	—	—
15	03	15	04	—	61.0	2700+	0.2	Clear; fair; sun	—	—	—	—	—
15	09	15	10	—	56.8	2700+	1.0	Overcast; dark	—	—	—	—	—
15	15	15	16	—	55.0	—	1.0	Overcast; dark	61.5	53.0	83.2	51.0	0.25
15	21	15	22	—	58.3	2700+	0.3	Clear; fair; sun	—	—	—	—	—
16	03	16	04	—	59.5	2200	1.0	Overcast; thick	—	—	—	—	—
16	09	16	10	—	55.8	2700+	0.3	Fair; starlight	—	—	—	—	—
16	15	16	16	—	55.5	—	0.2	Starlight	62.1	53.0	89.8	52.1	0.50
16	21	16	22	—	57.6	2700+	0.8	Clear; fair; sun	—	—	—	—	—
17	03	17	04	—	60.5	2700+	0.7	Clear; sun; cumulo-strati	—	—	—	—	—
17	09	17	10	—	56.2	2700+	0.9	Cloudy; stars	61.1	53.8	85.9	51.3	0.25
SUNDAY.													
18	15	18	16	—	56.7	—	1.0	Overcast; dark	—	53.1	85.8	—	—
18	21	18	22	—	58.8	2700+	0.8	Clear; fair; sun	—	—	—	—	—
19	03	19	04	—	59.8	2600	0.9	Cloudy; dull	—	—	—	—	—
19	09	19	10	—	56.9	—	0.9	Cloudy	62.3	53.1	80.9	52.2	0.25
19	15	19	16	—	55.3	—	1.0	Overcast; very dark; rain	—	—	—	—	—
19	21	19	22	—	57.9	2700	1.0	Dull; overcast	—	—	—	—	—
20	03	20	04	—	60.2	2700+	0.8	Clear; fair	—	—	—	—	—
20	09	20	10	—	56.7	2700+	0.4	Clear; stars bright	60.9	53.3	80.9	52.2	0.25
20	15	20	16	—	56.0	—	1.0	Overcast and dark; rain	—	—	—	—	—
20	21	20	22	—	59.8	2200	1.0	Overcast; thick	—	—	—	—	—
21	03	21	04	—	63.0	2700+	0.8	Fair; cirro-cumuli	—	—	—	—	—
21	09	21	10	—	59.0	—	1.0	Overcast	64.0	55.6	89.6	51.4	—
21	15	21	16	—	58.0	—	0.9	A few stars visible; fair	—	—	—	—	—
21	21	21	22	—	59.0	2700+	1.0	Overcast; dull	—	—	—	—	—
22	03	22	04	—	60.0	2400	1.0	—	—	—	—	—	—
22	09	22	10	—	57.3	—	1.0	Overcast; dark	61.5	54.9	83.0	54.3	—
22	15	22	16	—	57.5	—	1.0	Overcast	—	—	—	—	—
22	21	22	22	—	59.2	2700+	0.6	Clear; fair	—	—	—	—	—
23	03	23	04	—	61.0	2700+	0.9	Clear; overcast	—	—	—	—	—
23	09	23	10	—	57.0	2700+	0.8	Clear; fair; moon and stars	62.9	54.2	94.6	53.7	0.25
23	15	23	16	—	56.6	—	1.0	Rain	—	—	—	—	—
23	21	23	22	—	59.5	2700+	0.6	Clear; fair; sun	—	—	—	—	—
24	03	24	04	—	61.0	2700+	1.0	Overcast	—	—	—	—	—
24	09	24	10	—	58.0	—	1.0	Overcast	62.1	55.6	87.0	52.6	—
SUNDAY.													
25	15	25	16	—	58.1	—	1.0	Overcast; dark	62.9	56.3	85.5	54.6	—
25	21	25	22	—	59.8	2200	0.9	Fair; nearly overcast	—	—	—	—	—
26	03	26	04	—	61.0	2400	0.9	Nearly overcast	—	—	—	—	—
26	09	26	10	—	58.2	2000	1.0	Overcast	62.0	56.3	71.7	—	0.25
26	15	26	16	—	58.4	—	1.0	Overcast; dark	—	—	—	—	—
26	21	26	22	—	59.3	2500	1.0	Dull; thick	—	—	—	—	—
27	03	27	04	—	61.1	2500	1.0	Thick; overcast	—	—	—	—	—
27	09	27	10	—	59.0	1900	1.0	Overcast; moon	—	—	—	—	—
27	15	27	16	—	58.4	—	1.0	Very dark; overcast	64.0	56.0	88.8	57.1	—
27	21	27	22	—	59.8	2700+	1.0	Overcast	—	—	—	—	—
28	03	28	04	—	62.6	2600	1.0	Haze; fair	—	—	—	—	—
28	09	28	10	—	58.6	2700+	0.9	Nearly overcast; a few stars	—	—	—	—	—
28	15	28	16	—	58.0	—	1.0	Overcast	63.9	56.0	87.8	56.5	—
28	21	28	22	—	59.7	2700+	1.0	Haze; fair	—	—	—	—	—
29	03	29	04	—	62.6	2700+	0.8	Clear; fair; sun	—	—	—	—	—
29	09	29	10	—	58.6	2000	0.9	Nearly overcast	63.3	56.0	88.0	55.3	—
29	15	29	16	—	57.8	2600	1.0	Overcast	—	—	—	—	—
29	21	29	22	—	58.9	2700	1.0	Dull; thick	—	—	—	—	—
30	03	30	04	—	60.0	2400	1.0	Overcast; thick	—	—	—	—	—
30	09	30	10	—	57.5	2200	0.9	Thick; moon and stars at intervals	61.9	55.5	74.0	55.3	—
30	15	30	16	—	58.2	2400	1.0	Overcast	—	—	—	—	—
30	21	30	22	—	60.0	2200	1.0	Overcast; dull	—	—	—	—	—



Mean Solar Time (Astronom. Reck <sup>s</sup> .)				Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Term.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.		Göttingen.											
JULY.				°	°	Feet.			°	°	°	°	In.
D.	H.	D.	H.										
31	03	31	04	—	65.0	1900	1.0	Haze; fair - - - - -	65.0	55.7	85.0	55.4	—
31	09	31	10	—	58.7	1900	0.4	Clear; moon and stars - - - - -					
SUNDAY.													
AUGUST.													
1	15	1	16	—	58.1	1900	1.0	Overcast - - - - -	66.3	55.8	97.8	53.6	—
1	21	1	22	—	60.3	2500	1.0	Thick; overcast - - - - -					
2	03	2	04	—	61.9	2600	1.0	Fair; sun - - - - -					
2	09	2	10	—	58.0	2400	1.0	Nearly overcast; moon - - - - -					
2	15	2	16	—	57.9	1900	1.0	Wind in gusts; overcast - - - - -	62.9	55.6	85.5	54.8	—
2	21	2	22	—	60.0	2400	0.9	Dull; thick - - - - -					
3	03	3	04	—	63.8	2700+	0.4	Sun; cirro-cumuli - - - - -					
3	09	3	10	—	59.0	2500	1.0	Overcast - - - - -	64.9	56.1	91.9	55.7	—
3	15	3	16	—	58.0	2200	1.0	Overcast - - - - -					
3	21	3	22	—	60.9	2700+	1.0	Clear; fair; cumuli - - - - -					
4	03	4	04	—	62.6	2700+	1.0	Fair; haze; cumuli - - - - -					
4	09	4	10	—	57.7	—	0.9	Cloudy - - - - -	64.9	55.0	103.0	56.7	—
4	15	4	16	—	57.6	2500	1.0	Overcast - - - - -					
4	21	4	22	—	59.5	2700	1.0	Overcast; dull - - - - -					
5	03	5	04	—	60.9	2400	1.0	Dull; thick - - - - -					
5	09	5	10	—	58.8	—	1.0	Overcast; dark - - - - -	63.8	56.0	88.6	53.0	—
5	15	5	16	—	57.8	2000	1.0	Overcast - - - - -					
5	21	5	22	—	59.0	2600	1.0	Overcast; thick - - - - -					
6	03	6	04	—	62.4	2700+	0.9	Thick; fair; cirro-cumuli - - - - -					
6	09	6	10	—	58.8	—	1.0	Overcast; dark - - - - -	65.4	54.0	90.8	55.0	—
6	15	6	16	—	58.0	2700+	0.9	Cloudy; moon at intervals - - - - -					
6	21	6	22	—	59.8	2700+	1.0	Dull; thick - - - - -					
7	03	7	04	—	60.8	2700+	1.0	Dull; thick - - - - -	62.6	54.5	79.9	48.8	—
7	09	7	10	—	58.6	2700+	1.0	Overcast - - - - -					
SUNDAY.													
8	15	8	16	—	57.4	2600	1.0	Overcast - - - - -	64.2	54.2	91.7	50.2	—
8	21	8	22	—	57.9	2600	1.0	Overcast - - - - -					
9	03	9	04	—	59.6	1900	1.0	Overcast - - - - -					
9	09	9	10	—	57.4	—	1.0	Overcast; dark; drizzling rain - - - - -	60.2	53.5	76.8	—	0.25
9	15	9	16	—	56.7	1600	1.0	Overcast; rain - - - - -					
9	21	9	22	—	58.1	2200	1.0	Overcast - - - - -					
10	03	10	04	—	60.0	1900	1.0	Overcast - - - - -					
10	09	10	10	—	57.1	—	1.0	Nearly overcast; a few stars - - - - -	61.2	53.5	75.4	53.8	0.25
10	15	10	16	—	56.0	—	1.0	Rain - - - - -					
10	21	10	22	—	57.5	2000	1.0	Overcast; thick - - - - -					
11	03	11	04	—	60.5	2000	0.9	Nearly overcast; showery - - - - -					
11	09	11	10	—	57.2	—	1.0	Overcast; dark - - - - -	61.4	54.0	81.0	—	0.50
11	15	11	16	—	56.5	—	1.0	Overcast; dark - - - - -					
11	21	11	22	—	57.5	1900	1.0	Overcast; dull - - - - -					
12	03	12	04	—	59.2	1600	1.0	Drizzling rain - - - - -					
12	09	12	10	—	57.4	—	1.0	Overcast; dark - - - - -	61.4	55.2	85.0	54.0	0.50
12	15	12	16	—	57.4	—	1.0	Overcast; dark - - - - -					
12	21	12	22	—	58.6	2700+	1.0	Overcast; thick - - - - -					
13	03	13	04	—	60.1	2400	1.0	Overcast; drizzling rain - - - - -					
13	09	13	10	—	57.8	—	1.0	Overcast; dark - - - - -	61.7	55.9	80.9	56.3	—
13	15	13	16	—	57.8	—	0.7	Cloudy; a few stars - - - - -					
13	21	13	22	—	59.8	2400	1.0	Overcast; dull - - - - -					
14	03	14	04	—	61.2	2600	1.0	Overcast; thick - - - - -	62.0	56.0	81.8	55.0	—
14	09	14	10	—	58.6	—	1.0	Overcast; dark - - - - -					
SUNDAY.													
15	15	15	16	—	58.0	—	1.0	Overcast; very dark - - - - -	63.0	55.8	83.9	57.0	—
15	21	15	22	—	59.3	1900	1.0	Overcast; thick - - - - -					
16	03	16	04	—	62.2	2400	0.8	Fair; sun; cumulo-strati - - - - -					
16	09	16	10	—	58.5	—	1.0	Overcast; dark - - - - -	63.4	54.5	83.0	56.4	—
16	15	16	16	—	56.4	—	1.0	Overcast; showery - - - - -					
16	21	16	22	—	58.8	2700	1.0	Overcast; dull - - - - -					
17	03	17	04	—	60.9	2500	1.0	Overcast; thick - - - - -					
17	09	17	10	—	57.4	—	1.0	Overcast; dark - - - - -	61.5	55.2	81.1	54.6	—
17	15	17	16	—	57.1	—	1.0	Overcast; dark - - - - -					
17	21	17	22	—	58.6	2600	1.0	Overcast; dull - - - - -					

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.										
AUGUST.											
D.	H.	D.	H.	°	"	Feet.					In.
18	03	18	04	—	60.4	2600	1.0	Overcast; drizzling rain			
18	09	18	10	—	57.7	—	1.0	Overcast; dark	63.0	51.9	93.8
18	15	18	16	—	56.8	—	0.3	Fair; stars bright	54.7	—	0.50
18	21	18	22	—	59.5	—	0.0	Clear; fine; sun			
19	03	19	04	—	63.5	2700+	0.1	Clear; sun; cirro-cumuli			
19	09	19	10	—	56.2	2700+	0.0	Cloudless; stars bright	64.8	51.7	100.4
19	15	19	16	—	53.9	2700+	0.0	Cloudless	44.1	—	
19	21	19	22	—	58.4	2700+	0.9	Clear; fair; cirro-cumuli			
20	03	20	04	—	60.1	2700+	1.0	Overcast; haze			
20	09	20	10	—	56.4	2700+	1.0	Overcast	62.4	52.6	86.7
20	15	20	16	—	54.7	—	1.0	Overcast; dark	44.3	—	
20	21	20	22	—	57.5	2700+	1.0	Clear; overcast			
21	03	21	04	—	61.6	2700+	0.9	Clear; fine			
21	09	21	10	—	57.0	—	1.0	Overcast	62.6	52.7	92.8
SUNDAY.											
22	15	22	16	—	56.5	—	0.9	Cloudy; stars	62.1	54.6	85.0
22	21	22	22	—	59.7	2700+	0.9	Clear; sun; cumulo-strati	50.0	—	
23	03	23	04	—	60.6	2700+	1.0	Overcast			
23	09	23	10	—	57.2	2600	1.0	Overcast; moon at intervals	62.2	53.5	84.0
23	15	23	16	—	56.2	—	1.0	Wind in gusts; overcast	54.0	—	0.25
23	21	23	22	—	56.6	1600	1.0	Overcast; drizzling rain			
24	03	24	04	—	59.7	2000	1.0	Overcast; rain			
24	09	24	10	—	55.8	2400	1.0	Overcast; moon at intervals	60.7	53.1	85.9
24	15	24	16	—	56.2	—	1.0	Rain; dark	52.7	—	0.25
24	21	24	22	—	57.7	2700+	1.0	Overcast; thick			
25	03	25	04	—	60.3	2700+	1.0	Dull; overcast			
25	09	25	10	—	56.4	2700+	1.0	Overcast	60.9	54.4	77.9
25	15	25	16	—	56.2	—	1.0	Overcast; dark	53.8	—	
25	21	25	22	—	58.7	2700+	1.0	Overcast; haze			
26	03	26	04	—	61.1	2700+	1.0	Overcast			
26	09	26	10	—	57.5	2400	1.0	Overcast	62.1	54.5	80.6
26	15	26	16	—	57.0	—	1.0	Overcast; dark	54.9	—	0.25
26	21	26	22	—	58.7	2700+	1.0	Overcast; dull			
27	03	27	04	—	63.0	2400	1.0	Overcast; fair			
27	09	27	10	—	57.7	2600	1.0	Overcast	64.2	54.5	90.9
27	15	27	16	—	56.6	2700+	0.9	Cloudy; a few stars	54.1	—	
27	21	27	22	—	58.9	2700+	1.0	Wind in gusts; overcast			
28	03	28	04	—	63.0	2700+	0.8	Fair			
28	09	28	10	—	57.5	2700+	1.0	Nearly overcast	64.4	52.6	91.8
SUNDAY.											
29	15	29	16	—	55.6	2500	1.0	Overcast	62.6	53.8	93.6
29	21	29	22	—	57.8	1600	1.0	Overcast	51.8	—	
30	03	30	04	—	58.3	2400	1.0	Overcast			
30	09	30	10	—	55.6	1600	1.0	Overcast; rain	62.0	53.0	—
30	15	30	16	—	55.7	1800	1.0	Rain	53.8	—	0.75
30	21	30	22	—	56.1	2700+	1.0	Overcast; thick			
31	03	31	04	—	60.7	2700+	1.0	Fair			
31	09	31	10	—	56.5	2700+	0.9	Nearly overcast; moon at intervals	62.0	53.5	87.9
31	15	31	16	—	56.1	2700+	1.0	Overcast; moon at intervals	—	—	0.50
31	21	31	22	—	57.2	2700+	1.0	Overcast; dull			
SEPTEMBER.											
1	03	1	04	—	59.9	2700+	1.0	Dull; overcast			
1	09	1	10	—	56.7	2700+	1.0	Overcast	62.8	53.5	87.9
1	15	1	16	—	56.9	2700+	1.0	Overcast	52.0	—	
1	21	1	22	—	56.7	2000	1.0	Overcast			
2	03	2	04	—	60.6	2400	0.8	Wind in gusts; fair			
2	09	2	10	—	55.5	2700+	1.0	Overcast	61.5	52.5	82.9
2	15	2	16	—	54.2	2700+	0.7	Moon and stars; fair	52.3	—	0.25
2	21	2	22	—	56.7	2700+	1.0	Overcast			
3	03	3	04	—	59.3	2700+	0.9	Wind high; nearly overcast			
3	09	3	10	—	55.6	2700+	1.0	Wind in gusts; overcast	60.8	52.0	81.5
3	15	3	16	—	55.3	2700+	1.0	Wind high; overcast	51.3	—	
3	21	3	22	—	55.7	2600	1.0	Wind high; overcast			



Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.												
SEPTEMBER.													
D.	H.	D.	H.	°	c	Feet.					In.		
22	03	22	04	—	60·1	2600	1·0	Thick ; overcast					
22	09	22	10	—	56·3	2700+	0·9	Moonlight ; a few stars visible	61·2	51·8	80·7	52·6	—
22	15	22	16	—	55·0	2700+	0·7	Starlight ; fair					
22	21	22	22	—	55·4	1600	1·0	Overcast ; drizzling rain					
23	03	23	04	—	57·9	2500	1·0	Overcast ; showery					
23	09	23	10	—	55·6	1600	1·0	Overcast ; thick mist					
23	15	23	16	—	55·2	—	1·0	Showery ; overcast	—	52·1	—	52·0	0·25
23	21	23	22	—	56·5	1900	1·0	Overcast ; thick					
24	03	24	04	—	58·8	1600	1·0	Rain					
24	09	24	10	—	56·1	2700+	1·0	Overcast ; moon	61·4	53·0	85·0	—	0·25
24	15	24	16	—	55·1	—	1·0	Overcast ; dark					
24	21	24	22	—	56·9	2700	1·0	Overcast ; thick					
25	03	25	04	—	60·5	2700+	1·0	Overcast ; fair					
25	09	25	10	—	55·9	2700+	1·0	Overcast ; moon at intervals	62·5	53·0	87·9	52·6	—
SUNDAY.													
26	15	26	16	—	55·0	—	1·0	Overcast	61·7	52·6	81·7	53·8	—
26	21	26	22	—	57·6	2700+	1·0	Overcast ; thick					
27	03	27	04	—	60·8	2700+	1·0	Overcast ; fair					
27	09	27	10	—	55·9	2700+	1·0	Overcast					
27	15	27	16	—	54·7	2700+	1·0	Overcast	62·8	52·2	86·8	53·1	—
27	21	27	22	—	56·8	2000	1·0	Nearly overcast					
28	03	28	04	—	58·8	2600	1·0	Overcast ; dull					
28	09	28	10	—	56·2	2600	1·0	Overcast	62·0	53·6	92·0	52·6	0·25
28	15	28	16	—	55·7	2700+	1·0	Overcast					
28	21	28	22	—	58·1	2700	1·0	Overcast					
29	03	29	04	—	62·4	2700+	1·0	Overcast ; fair					
29	09	29	10	—	56·7	2700+	0·6	Clear ; moon and stars	63·1	53·8	85·7	53·9	—
29	15	29	16	—	56·4	2600	1·0	Overcast					
29	21	29	22	—	58·0	2500	1·0	Overcast ; dull					
30	03	30	04	—	60·2	2400	1·0	Overcast ; dull					
30	09	30	10	—	56·7	2400	1·0	Overcast					
30	15	30	16	—	56·3	2700	1·0	Overcast	62·4	55·8	81·7	53·0	—
30	21	30	22	—	58·5	2500	1·0	Overcast					
OCTOBER.													
1	03	1	04	—	61·2	2600	1·0	Overcast					
1	09	1	10	—	56·6	1600	1·0	Overcast ; rain	62·8	54·8	85·2	54·6	—
1	15	1	16	—	55·4	2500	1·0	Overcast					
1	21	1	22	—	57·7	2200	1·0	Overcast					
2	03	2	04	—	59·3	1700	1·0	Overcast ; light rain					
2	09	2	10	—	56·1	2700	1·0	Overcast	62·3	55·2	81·6	52·8	—
SUNDAY.													
3	15	3	16	—	56·1	2400	1·0	Overcast	60·2	55·6	75·0	53·9	—
3	21	3	22	—	57·4	2400	1·0	Overcast ; mist					
4	03	4	04	—	59·0	1900	1·0	Overcast					
4	09	4	10	—	56·5	—	1·0	Overcast ; dark ; light rain					
4	15	4	16	—	55·8	1600	1·0	Overcast ; rain	61·5	55·0	80·3	54·5	—
4	21	4	22	—	57·2	1600	1·0	Overcast ; mist ; rain					
5	03	5	04	—	58·2	1600	1·0	Overcast ; mist ; rain					
5	09	5	10	—	56·5	1600	1·0	Overcast ; mist ; rain	59·0	55·2	75·9	54·0	0·50
5	15	5	16	—	55·7	1900	1·0	Overcast					
5	21	5	22	—	57·3	1600	1·0	Mist and rain					
6	03	6	04	—	60·8	1900	1·0	Overcast					
6	09	6	10	—	56·6	—	1·0	Overcast ; dark	61·5	55·4	81·5	53·8	0·25
6	15	6	16	—	55·8	2600	1·0	Overcast					
6	21	6	22	—	58·7	2400	1·0	Overcast					
7	03	7	04	—	60·2	1900	1·0	Overcast ; dull					
7	09	7	10	—	56·4	—	1·0	Overcast ; dark					
7	15	7	16	—	55·5	1800	1·0	Overcast	61·9	55·1	78·8	53·6	—
7	21	7	22	—	58·8	1900	1·0	Overcast ; dull					
8	03	8	04	—	62·6	2000	1·0	Clear ; fair ; sun at intervals					
8	09	8	10	—	56·6	2400	1·0	Overcast ; a few stars	63·4	55·5	87·8	54·1	—
8	15	8	16	—	56·2	—	1·0	Overcast					
8	21	8	22	—	59·7	2400	0·9	Nearly overcast					



Mean Solar Time. (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
OCTOBER.												
D.	H.	D.	H.	°	°	Feet.						In.
27	03	27	04	—	62.1	2400	1.0	Overcast	-	-	-	-
27	09	27	10	—	55.9	2000	1.0	Overcast	-	-	-	-
27	15	27	16	—	55.2	2400	1.0	Wind in gusts; thick; overcast	-	-	-	-
27	21	27	22	—	58.6	2700+	1.0	Overcast	-	-	-	-
28	03	28	04	—	62.8	2700+	1.0	Thick; overcast	-	-	-	-
28	09	28	10	—	57.0	2500	1.0	Overcast	-	-	-	-
28	15	28	16	—	56.3	1600	1.0	Overcast; thick; rain	-	-	-	1.25
28	21	28	22	—	59.6	1600	1.0	Rain	-	-	-	-
29	03	29	04	—	58.6	1900	1.0	Overcast; thick	-	-	-	-
29	09	29	10	—	57.1	2600	1.0	Overcast	-	-	-	-
29	15	29	16	—	56.5	2400	1.0	Overcast	-	-	-	-
29	21	29	22	—	58.7	1800	1.0	Overcast; wet mist	-	-	-	-
30	03	30	04	—	62.7	2700	1.0	Overcast; fair	-	-	-	-
30	09	30	10	—	57.5	2600	1.0	Overcast	-	-	-	-
SUNDAY.												
31	15	31	16	—	56.1	2000	1.0	Overcast	-	-	-	-
31	21	31	22	—	58.3	2500	1.0	Overcast	-	-	-	-
NOVEMBER.												
1	03	1	04	—	60.0	1600	1.0	Wet mist	-	-	-	-
1	09	1	10	—	57.0	2000	1.0	Overcast; wet	-	-	-	-
1	15	1	16	—	56.3	2400	1.0	Wind in gusts; overcast	-	-	-	0.25
1	21	1	22	—	57.8	2400	1.0	Thick; overcast	-	-	-	-
2	03	2	04	—	60.9	2400	1.0	Overcast	-	-	-	-
2	09	2	10	—	57.5	2700+	1.0	Overcast; a few stars	-	-	-	-
2	15	2	16	—	56.4	2400	1.0	Overcast	-	-	-	-
2	21	2	22	—	58.7	2600	1.0	Thick; overcast	-	-	-	-
3	03	3	04	—	61.3	2400	1.0	Overcast	-	-	-	-
3	09	3	10	—	58.5	1700	1.0	Dark; thick mist	-	-	-	-
3	15	3	16	—	—	—	—	—	-	-	-	-
3	21	3	22	—	58.7	1600	1.0	Overcast; mist; rain	-	-	-	-
4	03	4	04	—	61.3	2600	1.0	Fair; sun	-	-	-	-
4	09	4	10	—	57.6	—	1.0	Overcast; dark wet mist	-	-	-	0.25
4	15	4	16	—	56.7	1600	1.0	Overcast; mist; wet	-	-	-	-
4	21	4	22	—	58.6	1800	1.0	Overcast; fair	-	-	-	-
5	03	5	04	—	59.9	2000	1.0	Overcast; wet; mist	-	-	-	-
5	09	5	10	—	57.0	—	1.0	Overcast; dark	-	-	-	0.25
5	15	5	16	—	56.2	2700+	1.0	Thick; overcast	-	-	-	-
5	21	5	22	—	58.2	2400	1.0	Overcast; dull	-	-	-	-
6	03	6	04	—	63.3	2700	0.9	Fair; sun	-	-	-	-
6	09	6	10	—	56.7	2700+	1.0	Overcast; dark	-	-	-	-
SUNDAY.												
7	15	7	16	—	55.7	—	1.0	Overcast; calm	-	-	-	-
7	21	7	22	—	59.5	2400	1.0	Fair; overcast	-	-	-	-
8	03	8	04	—	65.0	2700+	0.8	Clear; fair; sun; cirro-strati	-	-	-	-
8	09	8	10	—	57.2	—	1.0	Overcast; dark	-	-	-	-
8	15	8	16	—	56.7	—	1.0	Overcast; dark	-	-	-	-
8	21	8	22	—	60.3	2600	1.0	Overcast	-	-	-	-
9	03	9	04	—	66.0	2700+	0.1	Clear; fair; sun	-	-	-	-
9	09	9	10	—	58.4	2000	1.0	Overcast	-	-	-	-
9	15	9	16	—	56.6	—	1.0	Overcast; very dark	-	-	-	-
9	21	9	22	—	60.6	2400	1.0	Overcast	-	-	-	-
10	03	10	04	—	65.5	1600	1.0	Drizzling rain	-	-	-	-
10	09	10	10	—	59.2	1600	1.0	Overcast; wet mists	-	-	-	-
10	15	10	16	—	58.0	1600	1.0	Thick; overcast; wet mist	-	-	-	0.25
10	21	10	22	—	61.6	1600	1.0	Overcast; thick mist	-	-	-	-
11	03	11	04	—	65.7	2700+	0.7	Clear; fair; sun; cumuli	-	-	-	-
11	09	11	10	—	59.7	1600	1.0	Thick; overcast; a few stars	-	-	-	-
11	15	11	16	—	57.9	—	1.0	Overcast	-	-	-	-
11	21	11	22	—	62.2	2700+	0.6	Fair; sun	-	-	-	-
12	03	12	04	—	65.5	2600	0.8	Cloudy; fair; sun	-	-	-	-
12	09	12	10	—	57.7	—	0.0	Cloudless; stars bright	-	-	-	-
12	15	12	16	—	57.0	2700+	0.1	Stars very bright	-	-	-	-
12	21	12	22	—	60.1	2400	1.0	Overcast; dull	-	-	-	-

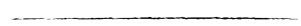
Mean Solar Time (Astronom. Reckz.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
NOVEMBER.												
D.	H.	D.	H.	°	°	Feet.						In.
13	03	13	04	—	67.0	2700	0.6	Fair; sun; cumulo-strati				
13	09	13	10	—	59.4	2700+	1.0	Fair; starlight	67.8	57.4	98.1	52.4
SUNDAY.												
14	15	14	16	—	58.6	—	0.0	Cloudless; stars bright	70.3	57.8	108.2	55.9
14	21	14	22	—	61.6	1600	1.0	Thick mist; overcast				
15	03	15	04	—	66.3	2100	0.9	Fair; sun; cumuli				
15	09	15	10	—	59.7	—	0.7	Cloudy; stars				
15	15	15	16	—	59.2	—	1.0	Overcast; dark	66.9	58.4	91.3	54.9
15	21	15	22	—	62.6	1900	0.9	Overcast; sun at intervals				
16	03	16	04	—	66.6	2400	1.0	Thick; overcast				
16	09	16	10	—	61.4	—	1.0	Overcast; dark	66.8	58.4	—	57.5
16	15	16	16	—	59.3	—	1.0	Overcast; dark				
16	21	16	22	—	61.6	1800	1.0	Thick; overcast				
17	03	17	04	—	64.7	1900	1.0	Thick; overcast				
17	09	17	10	—	60.1	—	1.0	Overcast	67.9	57.9	90.8	—
17	15	17	16	—	59.0	—	1.0	Overcast; dark				
17	21	17	22	—	62.6	1800	1.0	Overcast; sun at intervals				
18	03	18	04	—	65.4	2400	1.0	Fair				
18	09	18	10	—	60.2	1600	1.0	Overcast; rain; thick	66.8	57.2	89.7	57.8
18	15	18	16	—	58.7	—	1.0	Overcast; dark				0.25
18	21	18	22	—	60.1	2600	0.9	Fair; cumuli				
19	03	19	04	—	65.7	2500	0.7	Fair; sun; cumuli				
19	09	19	10	—	59.1	2600	0.7	Moon and stars	67.8	56.5	97.0	57.4
19	15	19	16	—	58.2	—	1.0	Overcast; dark				
19	21	19	22	—	60.0	2000	1.0	Overcast; thick				
20	03	20	04	—	64.0	2600	1.0	Overcast; sun at intervals				
20	09	20	10	—	59.6	2400	1.0	Thick; overcast	67.6	57.6	95.9	55.4
SUNDAY.												
21	15	21	16	—	58.3	—	1.0	Overcast	66.0	57.5	87.4	54.9
21	21	21	22	—	61.2	2700+	1.0	Overcast; dull				
22	03	22	04	—	68.2	2700+	0.5	Clear; fine; sun				
22	09	22	10	—	59.7	2700+	0.7	Clear; moon; a few stars				
22	15	22	16	—	58.7	2100	1.0	Overcast	69.3	57.4	107.7	56.8
22	21	22	22	—	64.6	2700+	0.9	Fair; cirro-cumuli and cumulo-strati				
23	03	23	04	—	69.4	2700+	1.0	Overcast				
23	09	23	10	—	60.0	2700	0.9	Fair; moon and stars; cumuli				
23	15	23	16	—	59.6	—	1.0	Overcast; dark	70.4	58.2	107.7	52.8
23	21	23	22	—	65.7	2700+	0.0	Nearly cloudless				
24	03	24	04	—	65.8	2500	1.0	Overcast; dull				
24	09	24	10	—	61.0	2400	0.9	Nearly overcast	69.8	57.6	105.4	54.6
24	15	24	16	—	59.4	—	1.0	Overcast; dark				
24	21	24	22	—	61.9	2600	1.0	Overcast; dull				
25	03	25	04	—	66.6	2700+	1.0	Fair; overcast				
25	09	25	10	—	60.3	1900	1.0	Overcast	67.7	58.3	95.0	58.2
25	15	25	16	—	59.4	—	1.0	Overcast				
25	21	25	22	—	63.4	2700+	1.0	Overcast; haze				
26	03	26	04	—	65.8	2700+	1.0	Overcast				
26	09	26	10	—	60.7	2700+	1.0	Overcast	67.4	58.5	91.7	57.9
26	15	26	16	—	60.0	2700+	1.0	Overcast				
26	21	26	22	—	63.3	2700+	1.0	Overcast; dull				
27	03	27	04	—	68.2	2600	1.0	Overcast				
27	09	27	10	—	61.7	1900	1.0	Overcast; moonlight	73.9	59.7	—	57.8
SUNDAY.												
28	15	28	16	—	60.0	2700+	1.0	Overcast	71.3	58.5	113.8	58.8
28	21	28	22	—	62.7	2600	1.0	Overcast; dull				
29	03	29	04	—	66.6	2700+	1.0	Overcast				
29	09	29	10	—	61.2	2600	1.0	Overcast	67.3	59.4	91.0	57.0
29	15	29	16	—	60.1	2700+	1.0	Overcast; fair				0.25
29	21	29	22	—	62.8	2700+	1.0	Overcast; fair				
30	03	30	04	—	67.6	2700+	1.0	Overcast; fair				
30	09	30	10	—	61.0	2700+	1.0	Overcast	68.6	59.1	89.8	58.9
30	15	30	16	—	59.8	1800	1.0	Overcast; thick; drizzling rain				0.25
30	21	30	22	—	63.5	2600	1.0	Overcast; thick				

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.	Approx- imate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.									
DECEMBER.													
D.	H.	D.	H.	°	°	Feet.						In.	
1	03	1	04	59.3	67.9	2700+	1.0	Overcast; fair - - - - -	°	°	°	°	—
1	09	1	10	58.1	61.0	2700+	1.0	Overcast; dim stars - - - - -	68.3	59.8	86.5	58.0	—
1	15	1	16	59.5	60.3	2400	1.0	Overcast; light rain - - - - -					
1	21	1	22	57.5	64.5	2700+	1.0	Overcast - - - - -					
2	03	2	04	60.5	67.6	2700+	1.0	Overcast; fair - - - - -					
2	09	2	10	57.5	61.5	—	1.0	Overcast; dark - - - - -	—	59.1	—	58.6	—
2	15	2	16	58.3	60.2	2700+	1.0	Overcast; drizzling rain - - - - -					
2	21	2	22	61.4	64.2	2700	1.0	Overcast; fair - - - - -					
3	03	3	04	60.2	70.3	2700+	0.6	Fair; cumuli - - - - -					
3	09	3	10	56.8	61.4	2700+	1.0	Overcast; dark - - - - -	70.4	60.2	93.3	—	—
3	15	3	16	59.5	60.7	2400	1.0	Overcast - - - - -					
3	21	3	22	58.7	63.5	2600	1.0	Overcast; fair - - - - -					
4	03	4	04	59.5	70.6	2700+	0.3	Clear; fair; strati - - - - -					
4	09	4	10	58.5	61.6	—	1.0	Overcast; dark - - - - -	71.0	60.1	107.7	57.8	—
SUNDAY.													
5	15	5	16	57.7	60.0	2700	1.0	Overcast - - - - -	69.3	59.7	99.8	58.6	—
5	21	5	22	57.4	63.3	2700+	1.0	Overcast; fair - - - - -					
6	03	6	04	58.9	69.6	2700	0.6	Fair; sun; cumuli - - - - -					
6	09	6	10	61.2	61.2	—	1.0	Overcast; stars diins - - - - -	69.9	60.2	94.9	57.8	—
6	15	6	16	60.0	60.5	2400	1.0	Overcast - - - - -					
6	21	6	22	57.5	64.9	2700+	1.0	Overcast; fair - - - - -					
7	03	7	04	61.0	67.0	1900	1.0	Overcast; fair; sun - - - - -					
7	09	7	10	61.0	61.7	—	1.0	Overcast; dark - - - - -	69.3	61.0	91.8	58.0	—
7	15	7	16	60.7	61.5	—	1.0	Overcast; dark - - - - -					
7	21	7	22	60.1	63.2	2600	1.0	Overcast - - - - -					
8	03	8	04	62.3	66.7	2000	1.0	Overcast; dull - - - - -					
8	09	8	10	58.0	61.2	2000	1.0	Overcast; thick - - - - -	68.4	59.3	89.3	59.6	0.25
8	15	8	16	58.0	59.8	—	1.0	Overcast; dark - - - - -					
8	21	8	22	58.5	61.0	2400	1.0	Overcast; showery - - - - -					
9	03	9	04	61.0	66.9	2400	1.0	Overcast; sun at intervals - - - - -					
9	09	9	10	58.0	60.6	—	0.8	Nearly overcast; a few stars - - - - -	—	58.9	—	57.2	—
9	15	9	16	56.5	59.8	—	1.0	Overcast; dark - - - - -					
9	21	9	22	54.7	62.5	2700+	1.0	Overcast; fair - - - - -					
10	03	10	04	58.4	65.4	2700+	1.0	Overcast - - - - -					
10	09	10	10	57.3	60.9	2700+	1.0	Overcast - - - - -	70.4	59.8	98.4	—	—
10	15	10	16	57.1	60.0	—	1.0	Overcast; dark - - - - -					
10	21	10	22	55.0	65.0	2700+	1.0	Clear; fair; sun - - - - -					
11	03	11	04	69.2	67.0	2700+	0.8	Fair; clear; sun at intervals - - - - -					
11	09	11	10	59.8	60.8	—	1.0	Overcast; rain - - - - -	70.4	59.2	98.1	55.3	—
SUNDAY.													
12	15	12	16	58.4	60.3	—	1.0	Overcast; dark - - - - -	70.0	58.2	96.1	56.8	—
12	21	12	22	56.0	63.3	2700+	1.0	Overcast; rain - - - - -					
13	03	13	04	57.4	68.8	2700+	0.6	Fair; sun; cumuli and strati - - - - -					
13	09	13	10	59.5	60.8	—	1.0	Nearly overcast; a few stars - - - - -	69.4	60.1	93.4	56.8	0.25
13	15	13	16	57.5	60.2	—	1.0	Overcast; dark - - - - -					
13	21	13	22	61.0	65.6	2500	1.0	Nearly overcast; fair - - - - -					
14	03	14	04	60.0	65.4	2700+	0.9	Nearly overcast; fair - - - - -					
14	09	14	10	59.5	60.9	—	0.9	Fair; stars - - - - -	68.7	58.8	96.8	57.0	—
14	15	14	16	59.5	59.5	—	1.0	Overcast; dark - - - - -					
14	21	14	22	60.0	63.2	2400	1.0	Overcast; dull - - - - -					
15	03	15	04	60.4	69.9	2700+	0.6	Fair; sun; cumuli - - - - -					
15	09	15	10	61.6	61.6	—	0.9	Overcast; a few stars - - - - -	70.1	60.5	101.9	56.6	—
15	15	15	16	60.4	61.0	—	1.0	Overcast; rain - - - - -					
15	21	15	22	60.5	63.8	2700+	1.0	Nearly overcast - - - - -					
16	03	16	04	61.5	66.2	2400	0.9	Overcast; sun at intervals - - - - -					
16	09	16	10	59.0	60.7	2700+	0.4	Bright starlight - - - - -	67.4	60.3	96.4	58.0	—
16	15	16	16	57.0	60.0	—	1.0	Overcast; dark - - - - -					
16	21	16	22	57.5	63.5	2700+	1.0	Overcast; dull - - - - -					
17	03	17	04	62.5	69.5	2700+	0.9	Fair; sun; cumuli - - - - -					
17	09	17	10	61.4	61.9	2000	1.0	Overcast; showery - - - - -	71.0	60.0	97.6	58.0	—
17	15	17	16	59.0	60.8	—	1.0	Wind in gusts; overcast - - - - -					
17	21	17	22	60.5	62.0	2400	1.0	Showery; overcast - - - - -					



Mean Solar Time (Astronom'. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
DECEMBER.												
D.	H.	D.	H.		Feet.							In.
18	03	18	04	—	2700+	0.8	Fair; sun at intervals					
18	09	18	10	—	—	1.0	Overcast	69.5	57.8	91.7	57.6	—
SUNDAY.												
19	15	19	16	—	—	1.0	Overcast; very dark	67.7	59.4	89.0	56.9	—
19	21	19	22	—	2700+	1.0	Overcast					
20	03	20	04	—	2700+	0.9	Fair; sun; cumulo-strati					
20	09	20	10	—	—	1.0	Overcast; rain	70.1	59.5	97.4	57.1	—
20	15	20	16	S. E.	—	1.0	Overcast; dark					
20	21	20	22	S. E.	2700+	1.0	Overcast; sun at intervals					
21	03	21	04	S. E. by S.	2700+	0.8	Clear; sun					
21	09	21	10	S. E. by S.	—	1.0	Overcast; moon at intervals	70.2	60.0	98.9	57.1	—
21	15	21	16	S. E.	—	1.0	Overcast; dark					
21	21	21	22	S. E.	2100	1.0	Drizzling rain					
22	03	22	04	S. E.	2700+	1.0	Overcast					
22	09	22	10	S. by E.	2700+	1.0	Overcast	—	59.4	80.1	56.6	—
22	15	22	16	S. S. E.	2700+	1.0	Overcast					
22	21	22	22	S. S. E.	2700+	1.0	Overcast					
23	03	23	04	S. E. by S.	2000	1.0	Clear; overcast					
23	09	23	10	S. E. by S.	2700+	0.5	Clear; moon and stars	69.4	60.2	93.1	57.7	—
23	15	23	16	S. E. by S.	—	1.0	Overcast; drizzling rain					
23	21	23	22	S. S. E.	—	1.0	Overcast; fair					
24	03	24	04	S. E.	—	0.6	Clear; fair; cumulo-strati					
24	09	24	10	S. E.	2700+	0.8	Wind in gusts; fair; moonlight	69.6	59.8	93.3	57.8	—
CHRISTMAS DAY.												
SUNDAY.												
26	15	26	16	S. E.	2700+	1.0	Overcast	69.8	59.4	95.9	57.8	0.25
26	21	26	22	S. E.	2700+	1.0	Overcast					
27	03	27	04	S. E. by S.	2400	1.0	Overcast; dull					
27	09	27	10	S. E.	2500	1.0	Overcast	68.0	58.5	95.1	56.8	—
27	15	27	16	S. E.	2000	1.0	Overcast					
27	21	27	22	S. E.	2600	1.0	Overcast					
28	03	28	04	S. E.	2700+	1.0	Overcast; fair					
28	09	28	10	S. E. by S.	2400	1.0	Overcast	66.8	59.3	85.0	56.3	—
28	15	28	16	S. E. by S.	2400	1.0	Overcast; drizzling rain					
28	21	28	22	S. E.	2400	1.0	Fair; dull; overcast					
29	03	29	04	S. E. by S.	2000	1.0	Overcast; dull					
29	09	29	10	S. E. by S.	2600	1.0	Overcast; showery	67.0	59.0	89.1	57.3	—
29	15	29	16	S. E. by S.	2500	1.0	Overcast; light rain					
29	21	29	22	S. E. by S.	2400	1.0	Overcast; dull					
30	03	30	04	S. S. E.	2700+	0.9	Fair					
30	09	30	10	S. E.	1900	1.0	Overcast	69.4	58.5	93.8	—	0.50
30	15	30	16	S. S. E.	2700+	1.0	Overcast; dull					
30	21	30	22	S. S. E.	2700+	1.0	Overcast					
31	03	31	04	S. E. by S.	2700	0.9	Haze					
31	09	31	10	S. S. E.	—	1.0	Overcast; a few stars visible	68.8	60.0	95.6	58.0	—
31	15	31	16	S. E. by S.	2700+	—	Overcast					
31	21	31	22	S. E. by S.	2700+	—	Fair; overcast					

ST. HELENA, 1842.



MAGNETICAL OBSERVATIONS.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time. } }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
	Sc. Div.	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	16.8	18.9	19.0	22.5	22.0	20.2	20.2	20.9	21.4	19.8	20.0	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	19.2
	3	18.0	21.1	21.8	22.1	22.0	22.9	22.1	21.5	21.1	21.1	20.0	—	19.0
	4	17.9	21.8	24.5	22.9	21.9	21.9	21.8	21.0	21.8	21.5	21.0	—	20.2
	5	21.7	19.9 <sup>a</sup>	18.4	15.4	16.2	16.9	18.0	18.1	17.8	17.6	18.0	—	17.2
	6	18.0	19.1	20.1	20.8	20.9	20.0	18.3	18.4	19.0	18.9	18.0	—	18.1
	7	19.1	19.1	17.6	15.8	18.0	19.0	17.6	18.1	18.9	19.8	19.0	—	18.8
	8	22.8	20.1	18.0	16.0	15.3	16.6	16.3	18.1	19.9	19.9	19.9	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	20.1
	10	22.1	23.7	19.4	17.0	18.9	20.0	20.1	20.9	21.0	21.0	20.8	—	20.2
	11	23.5	24.0	23.0	20.0	18.9	18.3	19.4	19.6	20.4	20.2	20.2	—	19.5
	12	19.3	— <sup>a</sup>	19.0	16.5	16.5	17.1	16.7	17.6	19.4	18.5	18.5	—	18.5
	13	19.0	23.0	20.9	18.1	17.2	17.6	18.2	18.2	19.0	19.7	19.0	—	18.2
	14	20.0	23.3	22.3	18.8	16.8	17.2	17.9	19.5	20.3	20.8	20.9	—	20.9
	15	19.4	24.6	24.1	20.0	18.2	19.6	19.2	20.1	20.7	20.1	19.8	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	19.0
	17	24.8	27.6	25.0	17.2	16.2	18.9	18.2	18.9	19.9	19.9	19.9	—	19.1
	18	21.8	23.0	20.9	20.3	20.0	18.1	18.4	17.0	19.9	19.9	21.0	—	20.0
	19	— <sup>a</sup>	23.1	21.2	18.7	17.5	18.9	20.0	19.9	20.2	20.3	19.9	—	20.2
	20	19.9	19.9	20.8	20.7	20.1	21.1	21.2	21.6	22.0	22.0	21.9	—	21.8
	21	21.5	21.3	20.0	18.0	19.0	20.0	21.0	21.9	23.0	22.0	21.8	—	20.5
	22	21.1	20.9	19.4	18.4	19.4	20.0	20.2	22.0	23.0	22.4	22.5	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	21.9
	24	21.8	23.0	23.1	21.8	21.5	20.9	20.2	21.2	20.9	19.5	20.0	—	20.9
	25	20.0	20.2	21.0	19.2	19.9	19.1	20.6	20.4	21.9	21.6	21.1	—	22.0
	26	23.5	— <sup>a</sup>	20.6 <sup>c</sup>	20.1	19.0	18.1	17.8	18.0	19.4	19.2	19.0	—	18.8
	27	20.0	20.8	20.0	19.8 <sup>f</sup>	19.8	19.0 <sup>g</sup>	17.9	20.1	18.8	19.0	20.0	—	20.9
	28	22.5	21.7	21.1	20.3	20.0	18.9	18.0	20.0	20.5	19.9	19.9	—	20.0
	29	25.9	27.0	24.6	20.5	20.4	17.9	17.0	20.9	21.0	21.0	21.0	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	21.4
	31	26.0	28.8	26.2	22.4	21.1	18.9	18.1	21.6	20.8	21.4	21.8	—	28.0
Hourly Means <sup>h</sup>	20.85	22.05	21.03	19.24	19.02	19.13	19.05	19.76	20.45	20.22	20.12	—	19.86	
FEBRUARY.	1	28.2	—	30.2	—	27.0	—	26.8	28.3	30.0	—	29.1	—	29.9
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	22.8
	4	19.1	—	18.1	—	20.5	—	23.8	24.0	24.1	—	24.0	—	23.6
	5	24.3	—	22.9	—	22.1	—	24.0	23.2	24.0	—	24.9	—	24.0
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	26.0
	10	25.0	27.1	26.5	24.8	24.0	23.4	23.8	25.9	26.9	27.0	27.4	—	26.4
	11	29.1	25.9 <sup>m</sup>	23.0	21.5	21.2	22.0	21.4	22.1	22.0	23.0	24.0	—	23.4
	12	24.6	24.9	26.0	24.9	22.9	21.7	21.7	24.0	23.2	23.8	24.9	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	25.0
	14	23.8	24.5	24.2	25.9	25.9	25.2	24.7	23.9	24.0	24.9	25.5	—	24.9
	15	24.9	26.2	27.8	29.0	28.2	26.0	24.8	25.0	25.2	25.1	25.0	—	25.8
	16	22.0	—	23.3	25.0	26.0	25.0	24.0	24.9	25.4	25.5	25.8	—	23.9
	17	20.5	22.9	24.6	24.9	24.0	21.2	22.1	23.2	24.4	24.8	24.9	—	25.5
	18	23.9	25.7	26.9	27.1	26.0	25.0	23.9	22.8	22.5	22.5	24.6	—	24.1
	19	22.0	23.0	25.6	25.0	24.4	24.0	23.5	25.4	25.0	25.9	26.0	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	25.2
	21	25.1	25.3	25.8	26.1	25.2	24.0	24.7	25.0	25.1	24.9	24.8	—	24.8
	22	28.2	28.3	28.9	30.7	27.9	27.2	25.9	25.6	25.3	25.5	24.9	—	25.0
	23	23.5	— <sup>n</sup>	20.7	—	20.2	20.2	21.0	21.4	21.2	21.5	21.2	—	20.9
	24	25.9	28.2	27.0	24.6	21.0	20.6	20.9	17.6	14.8	13.0	13.9	—	15.6
	25	22.0	22.6	23.0	22.0	20.0	19.1	21.0	22.0	23.4	21.7	21.9	—	20.1
	26	20.2	24.1	25.4	24.2	21.8	19.9	19.8	20.9	21.0	21.1	20.9	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	21.6
	28	18.9	21.9	22.9	24.1	23.2	20.9	20.5	21.5	22.3	22.7	23.1	—	22.4
Hourly Means <sup>o</sup>	23.73	25.04	25.10	25.39	23.87	22.84	22.73	23.20	23.23	23.31	23.68	—	23.41	

<sup>a</sup> Magnet removed for observations of absolute intensity. Four minutes late at 5<sup>d</sup> 1<sup>h</sup>.

<sup>b</sup> Six minutes late.

<sup>c</sup> Three minutes late.

<sup>d</sup> Twelve minutes late.

<sup>e</sup> Five minutes late.

<sup>f</sup> One minute thirty seconds late.

<sup>g</sup> Eight minutes late.

<sup>h</sup> Observations of the 31st omitted in the means.

<sup>i</sup> Nine minutes late.

<sup>k</sup> New suspension thread formed.

DECLINATION.													
Zero Scale Division, January 1st to 31st, 40°0, corresponding to 22° 46' W.; February 10th to 28th, 52°0, corresponding to 22° 46' W.													
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	19·39	
	2	19·0	19·2	—	20·0	20·0	20·0	19·0	17·2	15·1	15·0	15·9	
	3	19·0	19·0	—	20·0	20·0	20·5	18·6	18·0	17·0	16·2	15·2	19·94
	4	20·8	20·0	—	20·1	21·0	21·0	20·6	20·1	19·8	20·1	23·0	20·91
	5	16·9	16·6	—	17·2	18·0	18·3	17·0	16·5	15·4	15·0	15·5	17·60
	6	17·2	17·2	—	16·5	17·0	16·5	16·1	16·1	16·0	15·2	16·2	17·98
	7	18·0	18·0	—	18·3	18·8	17·8	18·5	18·0	17·5	18·0	20·1	18·32
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	19·6	19·6	—	19·2	18·2	16·7	15·0	13·3	13·6	13·9	18·9	18·17
	10	20·1	19·0	—	19·8	18·2	16·9	15·0	13·1	13·0	14·9	18·9	19·34
	11	19·5	19·0	—	18·4	19·4	16·4 <sup>b</sup>	14·1	13·4	12·5 <sup>c</sup>	17·3	15·6	19·44
	12	18·0	18·0	—	17·3	16·8	15·6	14·6	13·2	12·1	12·0	13·9	17·28
	13	19·0	18·5	—	18·4	17·4	16·4	14·3	13·9	13·6	13·5	15·1	17·87
	14	20·3	20·0	—	18·9	—	—	17·4	—	15·7	15·0	16·1	19·16
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	18·3	18·5	—	17·9	17·9	16·9	15·9	15·1	15·1	16·8	19·8	19·13
	17	18·9	18·9	—	18·0	17·0	16·0	15·7	16·1	16·1	17·8	20·8	19·37
	18	19·6	18·9	—	18·0 <sup>d</sup>	17·3	16·9	16·0	16·0	16·0	16·2	16·0	19·01
	19	20·0	19·9	—	20·0	19·9	18·4	17·8	18·8	20·0	20·8	20·1	19·76
	20	21·1	21·2	—	21·0	21·0	20·5	20·1	18·6	17·8	19·0	19·1	20·88
	21	20·2	20·0	—	18·0	18·1	17·1 <sup>e</sup>	17·9	16·5	16·9	19·0	20·1	20·30
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	21·5	21·0	—	20·5	20·4	21·1	21·0	20·0	18·2	18·8	20·1	20·90
	24	21·0	20·1	—	20·2	21·4	19·5	18·1	16·4	15·5	16·0	18·3	20·33
	25	21·3	20·9	—	20·0	20·0	19·5 <sup>f</sup>	19·0	18·8	18·8	20·2	20·1	20·58
	26	18·2	18·1	—	17·6	17·0	16·0	15·1	14·1	14·0	15·2	19·0	18·51
	27	20·6	21·0	—	20·5	20·5	20·5	18·0	16·7	17·0	18·5	22·0	19·62
	28	20·0	19·2	—	—	—	—	15·1	—	13·4	16·0	21·1	19·30
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	21·1	20·9	—	19·5	18·9	17·5	14·2	12·5	12·0	13·0	20·0	19·98
	31	—	28·0	—	26·1	—	—	22·5	—	—	19·0	—	—
Hourly Means <sup>h</sup>	19·57	19·31	—	18·97	18·88	18·09	16·96	16·19	15·68	16·54	18·44	—	
FEBRUARY.	1	—	28·9	—	27·1 <sup>i</sup>	—	—	24·9	—	—	22·0	— <sup>k</sup>	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	23·0	—	22·1	—	—	21·0	—	—	19·5	—	—
	4	—	23·5	—	22·9	—	—	23·8	—	—	24·0	—	—
	5	—	24·2	—	24·8	—	—	24·0	— <sup>l</sup>	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	25·9	25·8	—	25·3	25·8	25·2	24·0	22·2	21·9	21·1	23·1	—
	10	26·0	25·8	—	24·8	23·9	23·2	22·4	22·0	21·2	23·9	27·5	25·23
	11	23·0	22·8	—	22·6	22·9	22·7	20·5	19·5	19·8	19·0	23·0	22·59
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	24·5	24·2	—	24·0	23·8	23·0	21·3	20·9	20·0	20·8	22·1	23·55
	14	25·0	24·9	—	24·6	23·8	22·9	21·4	21·0	20·5	19·9	21·9	23·97
	15	25·7	25·7	—	25·4	—	—	—	—	—	22·7	23·1	25·50
	16	24·4	25·0	—	24·0	26·2	26·8	24·5	22·8	21·0	19·1	19·0	23·99
	17	26·1	25·0	—	25·5	26·0	26·1	24·3	22·3	20·9	19·0	20·2	23·58
	18	25·9	25·3	—	25·5	25·1	24·0	22·5	22·1	21·5	19·6	19·9	23·97
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	25·1	25·1	—	24·9	24·9	24·2	22·7	21·2	20·4	19·6	21·9	24·12
	21	24·9	24·9	—	24·0	24·9	24·2	22·0	21·0	19·5	20·1	24·2	24·29
	22	24·7	24·8	—	24·6	24·7	24·3	23·2	22·0	21·1	21·7	25·1	25·50
	23	20·6	21·1	—	21·1	20·0	19·2	18·2	17·8	17·7	19·2	24·2	20·81
	24	16·7	17·0	—	17·8	18·1	17·6	16·3	15·0	14·1	14·6	18·5	18·53
	25	19·2	19·1	—	18·8	18·1	17·3	16·0	15·2	13·9	13·1	14·3	20·03
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	21·0	20·5	—	20·3	20·0	18·9	17·3	14·3	13·3	13·9	15·0	20·30
	28	21·2	21·3	—	21·6	22·0	21·6	18·0	15·5	13·0	11·0	11·7	20·56
Hourly Means <sup>o</sup>	23·38	23·28	—	23·09	22·96	22·40	20·71	19·51	18·52	18·58	20·72	—	

<sup>1</sup> Suspension thread broke.  
<sup>m</sup> Zero division of the scale observed 51·4.

<sup>n</sup> Magnet removed for observations of absolute intensity.

<sup>o</sup> Observations of the 1st, 3rd, 4th, 5th, and 9th, not included in the means.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
	Sc. Div.	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	14.9	19.0	21.8	20.9	19.9	20.0	20.4	21.3	20.7	20.9	21.2	—	21.4 <sup>a</sup>
	2	14.5	17.6 <sup>b</sup>	19.6	20.0	17.9	18.0	16.9	18.6	19.0	19.1	19.5	—	20.4
	3	18.1	19.3	22.1	22.2	21.6	20.2	19.6	20.1	19.9	19.9	20.0	—	20.1
	4	20.1	21.6	22.0	21.9	20.3	20.0	20.1	20.6	20.6	20.0	20.0	—	20.7
	5	19.2	20.8	21.9	21.5	20.8	19.1	19.7	20.7	19.0	19.5	19.2	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	19.5
	7	22.4	22.6	21.3	20.1	18.8	18.5	19.9	20.9	20.9	21.0	21.0	—	21.0
	8	22.9	21.7	19.9	19.9	18.0	18.2	19.6	21.4	21.0	21.6	21.1	—	20.9
	9	24.6	— <sup>b</sup>	23.2	22.0	20.0	20.2	20.2	19.8	20.3	20.4	20.1	—	20.5
	10	20.1	20.8	19.0	18.9	19.0	19.5	19.9	21.0	21.0	20.1	20.9	—	21.0
	11	24.3	26.4	26.8	25.2	24.0	22.2	21.0	20.8	21.1	21.2	21.4	—	21.2
	12	21.1	23.1	23.8	21.9	20.9	19.9	19.5	21.0	20.7	21.5	21.8	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	19.9
	14	21.7	22.9	22.6	22.7	21.6	20.5	20.4	21.1	21.2	21.2	21.0	—	20.9
	15	19.9	22.1	22.2	20.9	19.8	19.4	18.5	20.2	18.9	18.8	18.9	—	19.1
	16	18.1	— <sup>b</sup>	21.3	20.0	18.6	16.1	16.8	18.7	17.2	18.2	18.0	—	18.8
	17	17.6	21.0	22.9	22.0	20.0	18.3	18.1	19.1	20.0	19.8	17.0	—	17.7
	18	16.8	18.7	19.1	19.0	17.1	17.5	17.9	19.0	18.8	18.9	18.9	—	18.7
	19	20.0	20.3	20.7	19.6	18.3	17.8	17.1	18.0	17.9	17.5	17.8	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	19.0
	21	20.9	20.8	21.8	20.1	19.1	18.6	19.0	20.1	19.1	19.5	19.1	—	19.4
	22	21.0	22.1	22.6	21.2	19.1	19.0	19.1	20.0	20.0	20.3	20.2	—	20.2
	23	20.5	19.6 <sup>b</sup>	21.2	19.0	17.1	18.1	19.2	21.5	21.3	20.9	20.2	—	19.1
	24	21.5	22.1	21.0	18.2	17.0	17.8	18.3	21.3	21.2	21.1	21.8	—	21.1
	25	24.0	25.7	25.0	22.2	19.0	18.4	19.8	21.8	21.9	22.4	22.0	—	21.3
	26	25.8	27.3	27.0	23.9	20.1	19.0	20.1	22.0	22.0	22.0	22.0	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	22.4
	28	22.9	23.9	23.1	20.2	18.9	20.0	21.0	21.0	21.0	21.1	21.9	—	22.1
	29	22.5	25.1	24.9	23.0	21.0	20.0	18.8	20.5	20.8	20.9	21.2	—	21.5
	30	22.0	23.5	24.1	22.4	20.8	19.0	18.0	19.8	20.6	21.3	21.3	—	21.3
	31	22.0	23.9 <sup>b</sup>	22.5	21.9	21.5	21.1	20.9	21.8	22.0	22.0	22.0	—	22.3
Hourly Means	20.72	22.08	22.35	21.14	19.64	19.13	19.25	20.45	20.30	20.41	20.35	—	20.43	
APRIL.	1	24.4	26.4	24.2	24.0	23.0	22.9	21.6	22.3	22.0	22.1	22.2	—	22.2
	2	23.0	24.9	22.1	22.1	21.1	21.4	21.9	22.7	22.0	21.7	22.1	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	21.8
	4	24.9	26.0	25.1	24.0	22.9	21.1	20.6	22.4	22.3	22.3	22.1	—	21.9
	5	23.9	25.0	25.9	24.8	23.2	22.9	23.4	23.1	22.9	23.0	23.0	—	23.0
	6	23.6	19.9 <sup>c</sup>	19.5	19.0	18.6	19.0	20.2	21.5	21.3	21.2	21.8	—	20.9
	7	26.1	26.0	26.0	25.4	24.0	22.8	22.0	22.1	22.0	22.0	22.6	—	22.1
	8	25.1	27.1	26.9	25.2	23.8	22.7	22.0	22.0	22.0	22.0	21.7	—	21.5
	9	22.6	23.0	21.9	21.2	20.3	19.8	20.5	21.8	22.0	22.0	22.0	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	20.8
	11	19.1	22.0	20.9	19.1	18.2	18.8	18.9	21.0	21.1	20.8	21.8	—	22.0
	12	24.2	26.5	23.1	21.1	19.0	19.5	20.1	19.0	19.6	19.4	21.6	—	22.0
	13	22.4	19.8 <sup>d</sup>	17.9	19.8	19.8	18.2	16.7	18.8	17.5	18.0	18.0	—	19.0
	14	23.9	26.1	23.7	22.0	21.0	19.2	18.4	20.1	20.0	20.1	21.0	—	21.1
	15	23.9	24.1	22.9	20.2 <sup>d</sup>	18.0	16.8	15.0	17.7	18.8	18.3	18.4	—	20.8
	16	20.0	21.9	21.5	20.0	19.1	18.0	17.9	19.6	19.0	19.6	20.5	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	22.0
	18	21.5	23.0	22.0	20.2	20.0	20.2	20.9	22.6	22.1	22.0	22.0	—	22.4
	19	19.9	21.0	19.3	18.8	18.9	19.2	19.9	21.1	21.1	21.6	21.3	—	21.5
	20	23.7	— <sup>c</sup>	—	15.8	17.8	16.5	16.5	18.8	18.8	18.8	18.5	—	19.2
	21	20.4	21.1	20.1	18.6	16.8	16.9	18.1	18.6	19.0	19.6	19.2	—	19.0
	22	21.2	— <sup>c</sup>	20.6	19.9	17.2	16.0	17.3	18.9	18.9	19.0	19.0	—	19.2
	23	20.6	20.7	21.0	20.3	18.1	18.0	18.4	18.9	18.9	19.1	19.5	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	20.2
	25	21.8	22.0	21.0	20.0	20.0	19.1	19.8	19.6	19.9	20.0	20.2	—	20.5
	26	22.9 <sup>d</sup>	22.1	20.2	19.1	19.0	19.5	19.9	19.9	20.0	20.1	20.3	—	21.0
	27	23.7	22.2	22.1	21.2	20.6	18.6	18.0	17.5	18.2	18.6	19.0	—	19.7
	28	20.1	19.9	19.8	19.0	19.1	19.0	18.9	19.0	19.6	19.9	19.9	—	20.9
	29	20.5	20.8	20.9	20.2	18.5	18.0	18.1	18.1	18.7	18.8	18.9	—	19.5
	30	19.0	19.0	19.0	19.9	20.8	19.5	18.4	18.7	19.2	19.6	20.0	—	20.6
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	22.40	22.94	21.90	20.80	19.95	19.37	19.36	20.22	20.26	20.37	20.64	—	20.95	

<sup>a</sup> Five minutes late.<sup>b</sup> Magnet removed for observations of absolute intensity.<sup>c</sup> One and a-half minute late.

DECLINATION.													
Zero Scale Division, March 1st to 31st, 52° 0, corresponding to 22° 46' W.; April 1st to 31st, 52° 0, corresponding to 22° 46' W.													
Mean Göttingen } Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	
MARCH.	1	21·0	21·3	—	21·6	22·9	24·1	23·3	23·0	22·0	19·8	17·4	20·63
	2	20·0	20·4	—	20·5	20·1	19·9	18·5	17·2	16·2	15·5	16·1	18·44
	3	20·3	20·8	—	20·1	21·0	21·0	20·9	19·0	18·5	16·9	17·9	20·02
	4	20·9	21·5	—	20·3	20·7	20·3	19·1	18·0	18·0	17·8	17·9	20·26
	5	—	—	—	—	—	—	—	—	—	—	—	19·61
	6	20·0	20·5	—	20·0	20·1	19·1	18·1	17·5	16·6	16·7	19·8	20·19
	7	21·8	21·1	—	20·7	20·7	19·4	17·5	16·4	15·5	16·2	21·9	20·14
	8	20·9	20·9	—	21·0	19·9	18·8	17·6	16·9	16·0	17·8	21·9	20·17
	9	20·3	20·2	—	20·1	20·1	18·7	17·4	17·0	17·4	17·8	17·9	20·35
	10	20·9	20·2	—	20·0	20·5	20·1	19·1	18·9	19·3	20·8	22·0	20·17
	11	21·4	21·0	—	—	21·5	21·2	19·5	17·5	16·0	16·3	18·2	21·58
	12	—	—	—	—	—	—	—	—	—	—	—	20·48
	13	19·9	19·7	—	20·4	19·5	—	18·0	18·0	17·8	19·0	20·2	20·57
	14	21·0	21·0	—	20·5	20·0	19·9	18·3	17·8	17·0	16·6	18·2	19·30
	15	20·0	20·1	—	20·0	20·9	20·8	19·0	17·0	16·0	15·0	16·2	18·31
	16	19·0	19·6	—	19·5	19·4	18·0	18·0	17·0	16·3	15·1	15·0	18·04
	17	18·2	18·1	—	17·7	17·5	16·5	15·3	13·7	12·8	13·0	13·5	18·26
	18	19·0	19·0	—	20·0	20·0	19·8	18·0	17·5	16·3	15·8	17·6	19·52
	19	—	—	—	—	—	—	—	—	—	—	—	18·99
	20	18·9	18·9	—	20·0	21·0	21·0	20·3	19·3	19·0	19·9	20·5	19·72
	21	19·4	19·3	—	19·9	21·0	21·3	20·0	19·9	18·6	19·0	19·9	20·04
	22	20·3	19·7	—	21·2	21·0	20·9	19·4	18·7	17·0	18·0	18·3	19·19
	23	18·7	17·9	—	18·7	18·5	18·0	16·8	16·2	16·0	16·8	19·4	20·04
	24	20·2	20·5	—	20·5	20·2	19·2	18·5	16·9	16·8	17·8	21·0	21·29
	25	21·0	21·0	—	20·9	20·4	19·0	18·9	18·3	18·2	19·9	22·1	21·72
	26	—	—	—	—	—	—	—	—	—	—	—	21·12
	27	21·4	20·7	—	20·0	22·2	22·2	20·6	18·5	18·0	18·0	20·0	21·21
	28	21·4	22·1	—	21·0	21·0	21·0	19·9	19·4	18·5	18·6	20·5	20·82
	29	21·6	22·0	—	22·0	22·0	22·3	21·3	19·2	18·0	18·0	19·1	21·35
	30	22·1	21·9	—	21·0	21·1	21·1	20·4	19·4	18·7	18·6	19·9	21·86
	31	22·8	22·8	—	22·2	21·5	20·6	19·2	18·0	17·0	17·0	20·3	21·86
Hourly Means	20·46	20·45	—	20·38	20·54	20·16	19·00	18·01	17·31	17·47	18·99	21·86	
APRIL.	1	22·2	22·8	—	22·0	21·5	21·9	20·0	19·1	18·0	18·0	20·9	22·06
	2	—	—	—	—	—	—	—	—	—	—	—	22·26
	3	22·2	22·5	—	23·8	24·2	24·1	23·0	21·9	21·0	21·1	22·8	22·45
	4	23·6	22·9	—	23·0	23·0	22·2	21·3	20·5	20·0	20·0	21·5	23·54
	5	22·9	23·0	—	24·5	25·2	26·1	24·4	23·5	23·0	22·2	22·2	20·77
	6	20·8	21·0	—	21·8	22·1	22·0	21·0	19·8	18·3	18·1	18·4	22·73
	7	22·2	21·8	—	23·0	23·8	23·1	22·1	20·9	19·9	19·0	21·9	22·28
	8	21·2	21·5	—	22·0	22·4	22·0	20·6	19·2	18·2	18·3	20·0	21·01
	9	—	—	—	—	—	—	—	—	—	—	—	20·93
	10	20·0	20·2	—	20·9	21·8	22·0	21·0	20·2	19·2	18·1	18·1	20·92
	11	22·3	22·3	—	22·8	22·8	22·0	21·9	21·5	21·0	21·2	22·8	19·09
	12	21·5	21·5	—	21·4	21·4	20·8	20·5	19·0	18·3	19·0	19·6	21·23
	13	19·2	19·7	—	20·3	20·9	21·3	21·2	20·3	19·3	17·8	20·0	20·13
	14	21·3	21·7	—	21·8	20·3	23·4	23·3	20·5	19·1	18·8	19·9	20·70
	15	21·2	20·8	—	22·9	25·5	25·0	23·8	22·9	21·0	18·6	19·1	21·97
	16	—	—	—	—	—	—	—	—	—	—	—	20·84
	17	21·6	22·1	—	22·7	24·0	24·4	23·8	22·6	21·6	20·2	21·0	19·12
	18	22·8	22·8	—	22·8	24·4	26·0	25·6	24·0	21·8	18·9	18·1	19·06
	19	21·0	21·0	—	22·0	23·0	23·0	23·4	22·2	21·4	20·7	21·9	19·12
	20	17·4	17·9	—	19·0	20·2	21·2	21·2	20·0	19·3	18·9	18·8	19·12
	21	19·9	19·6	—	19·9	20·5	21·5	21·0	19·8	18·4	17·0	18·8	19·48
	22	19·1	19·0	—	—	19·3	20·8	20·4	19·9	19·0	18·6	19·0	19·94
	23	—	—	—	—	—	—	—	—	—	—	—	20·34
	24	20·0	19·9	—	20·0	20·0	20·0	20·3	19·9	18·5	18·0	19·2	19·37
	25	20·1	20·1	—	20·1	20·1	20·0	19·1	18·0	17·8	17·2	18·9	19·92
	26	21·0	20·8	—	—	21·2	20·8	19·7	18·9	18·2	20·1	21·4	19·16
	27	19·1	18·8	—	19·4	20·0	20·1	19·4	17·8	15·9	16·1	17·8	19·60
	28	20·2	20·1	—	21·2	22·1	22·7	22·5	21·0	19·5	17·9	18·1	19·60
	29	20·0	19·9	—	20·5	21·6	21·0	20·3	19·2	17·7	16·0	16·9	19·40
	30	—	—	—	—	—	—	—	—	—	—	—	19·60
	31	20·5	20·5	—	21·1	21·1	21·3	21·1	19·9	18·8	16·8	17·0	19·77
Hourly Means	20·90	20·93	—	21·62	22·01	22·26	21·61	20·48	19·39	18·71	19·77	19·40	

<sup>a</sup> Two and a-half minutes late.

<sup>c</sup> Magnet removed for observations of absolute intensity.

DECLINATION.														
Angular Value of one Scale of the Declinometer = 0'.711. Increasing numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
	Sc. Div.	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.	2	19.2	21.1	20.4	20.0	20.5	20.1	19.9	19.0	19.5	20.8	20.8	—	19.7
	3	17.0	18.3	18.3	19.6	19.8	19.0	18.9	19.9	19.9	19.9	19.5	—	19.8
	4	18.7	16.4 <sup>a</sup>	17.2	17.0	17.9	18.8	18.8	18.0	18.2	18.1	18.2	—	17.9
	5	17.0	17.5	17.1	16.3	16.2	19.5	16.1	18.5	18.9	18.9	18.9	—	19.0
	6	18.3	18.1	16.7	17.1	17.6	17.0	16.0	16.9	18.0	18.3	19.0	—	19.0
	7	19.0	19.0	17.9	17.9	17.8	17.9	18.0	18.1	19.1	19.1	18.9	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	20.0
	9	18.8	20.1	18.7	20.0	19.8	18.4	17.9	19.4	20.1	20.2	20.0	—	20.0
	10	18.0	18.2	19.0	18.3	19.1	19.0	18.2	20.0	19.8	20.0	20.0	—	20.0
	11	18.7	16.0 <sup>a</sup>	16.0	16.0	16.2	17.8	18.8	19.8	20.0	20.2	20.2	—	20.7
	12	21.6	23.0	22.0	21.1	21.3	21.3	20.3	20.0	20.0	20.1	20.5	—	20.6
	13	18.8	19.6	19.3	19.2	19.2	18.3	18.4	19.4	20.3	20.6	20.8	—	20.8
	14	21.2	22.0	20.8	21.3	21.9	20.6	19.7	20.0	20.5	20.5	20.9	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	20.5
	16	18.8	19.9	17.6	18.0	18.9	18.0	17.9	17.2	17.9	18.0	18.2	—	18.0
	17	19.0	20.4	20.5	21.1	19.9	17.6	17.9	18.1	18.2	18.8	18.8	—	19.2
	18	21.2	19.4 <sup>a</sup>	18.4	18.2	17.3	16.8	15.9	16.0	16.7	17.0	17.9	—	17.0
	19	18.9	18.9	17.5	18.3	18.9	17.2	16.9	17.5	17.9	17.8	17.8	—	—
	20	16.0	16.3	16.0	17.0	18.1	18.9	17.9	18.4	17.9	17.9	17.9	—	17.9
	21	15.5	15.0	15.0	17.0	17.4	17.6	17.3	17.9	18.0	18.1	18.2	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	19.2
	23	19.1	20.4	19.2	18.2	17.7	18.2	17.9	17.8	18.0	18.4	18.9	—	18.6
	24	19.8	20.0	19.9	19.2	19.2	17.9	18.0	17.6	18.0	18.2	18.4	—	19.0
	25	19.1	19.5	19.1	18.0	18.3	17.8	17.8	17.9	18.2	18.1	19.0	—	18.3
	26	18.9	15.0 <sup>a</sup>	16.3	17.2	16.9	15.3	15.9	16.4	16.9	17.0	17.9	—	17.8
	27	15.7	18.0	16.9	16.9	17.0	16.1	17.0	16.9	17.7	18.0	18.2	—	18.0
	28	17.0	17.0	18.2	19.4	19.2	17.4	15.8	16.6	17.0	17.7	17.8	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	17.1
	30	17.9	16.0	15.9	15.9	17.0	16.7	16.2	16.9	17.0	17.1	17.3	—	17.6
	31	19.0	17.2 <sup>c</sup>	17.2	17.2	17.8	17.8	17.5	17.0	17.7	17.9	17.9	—	17.5
	Hourly Means	18.55	18.55	18.12	18.28	18.50	18.11	17.73	18.12	18.52	18.72	18.92	—	18.93
JUNE.	1	18.0	18.3	17.9	18.1	19.0	18.0	17.0	16.4	16.9	16.8	16.9	—	17.9
	2	14.3	12.5 <sup>d</sup>	13.7	13.3	14.9	14.2	14.1	15.0	15.4	15.9	16.1	—	16.8
	3	16.9	17.8	16.9	17.1	17.9	16.2	14.6	15.3	16.5	17.1	17.0	—	17.1
	4	17.8	19.0	18.2	18.1	18.6	18.0	16.8	11.4	15.1	14.1	15.0	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	22.0
	6	21.9	22.0	21.9	22.4	22.8	22.0	22.2	22.4	22.8	23.0	22.8	—	23.3
	7	19.3	20.1	21.1	21.9	22.0	21.1	20.5	22.1	22.6	22.6	22.6	—	23.2
	8	21.0	22.0	22.0	22.3	22.8	23.0	22.0	22.0	22.9	23.4	24.7	—	23.7
	9	23.1	23.0	23.1	23.7	23.6	22.3	22.0	21.3	21.9	22.0	23.2	—	25.1
	10	24.2	26.1	25.9	24.9	24.0	22.8	21.4	21.6	22.9	23.2	23.6	—	24.2
	11	23.9	23.0	23.6	25.1	26.1	24.9	23.9	23.3	23.8	23.8	24.3	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	24.0
	13	25.7	27.5	25.5	24.0	25.2	24.3	23.1	24.1	24.3	24.5	25.0	—	26.9
	14	26.1	26.1	26.0	25.1	24.4	24.4	24.3	24.2	25.7	25.1	25.2	—	26.3
	15	25.9	25.6	26.9	26.4	26.3	25.3	24.1	25.1	25.4	25.9	26.2	—	26.8
	16	26.1	— <sup>d</sup>	22.4	23.4	23.4	23.9	23.9	23.4	24.2	24.3	24.4	—	25.0
	17	25.0	24.0 <sup>d</sup>	24.4	24.8	24.5	23.9	23.4	24.2	25.4	25.5	25.8	—	25.8
	18	26.1	26.9	27.8	26.3	25.8	25.8	25.0	25.1	25.9	26.0	26.5	—	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	25.7
	20	22.4	21.7	23.2	24.1	25.1	25.2	25.0	25.7	26.1	25.9	26.0	—	25.2
	21	25.2	23.5	23.0	23.0	24.6	25.3	25.2	25.2	26.1	26.9	26.9	—	27.2
	22	27.0	26.1	25.6	25.3	25.0	25.4	25.9	25.1	26.1	26.3	27.0	—	25.9
	23	27.0	26.0	24.9	24.1	25.0	25.0	24.0	23.5	24.2	25.7	25.9	—	25.7
	24	24.6	22.3 <sup>d</sup>	21.9	22.8	21.1	20.2	20.0	20.1	21.5	22.0	22.9	—	23.0
	25	22.0	22.0	22.0	22.0	22.9	22.0	21.8	21.1	22.3	23.0	23.2	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	22.4 <sup>f</sup>
	27	22.9	22.0	22.3	22.6	23.1	21.9	21.2	21.6	22.8	22.8	23.2	—	23.9
	28	22.1	24.5	24.2	23.0	22.6	22.7	21.9	22.7	22.7	23.0	23.3	—	23.8
	29	25.2	25.2	24.0	25.0	24.3	22.9	22.7	22.9	23.0	23.1	23.9	—	24.0
Hourly Means <sup>h</sup>	23.16	22.97	22.92	22.95	23.18	22.61	22.05	22.23	22.97	23.24	23.61	—	23.87	

<sup>a</sup> Magnet removed for observations of absolute intensity.

<sup>b</sup> One minute late.

<sup>c</sup> Late, time not recorded.

<sup>d</sup> Magnet removed for observations of absolute intensity.

<sup>e</sup> One minute late.

<sup>f</sup> Two minutes late.

<sup>g</sup> Instrument employed in experiments.

DECLINATION.													
Zero Scale Division, May 1st to 31st, 52°0, corresponding to 22° 46' W.; June 1st to 29th, 52°0, corresponding to 22° 46' W.													
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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.	2	19.8	20.0	—	20.8	21.5	22.4	20.0	20.8	19.1	16.5	15.0	19.69
	3	19.9	19.9	—	20.7	21.0	22.0	21.7	20.8	19.6	17.9	16.4	19.44
	4	18.0	18.1	—	19.0	20.0	21.0	21.0	20.1	19.0	17.1	16.9	18.34
	5	19.1	19.9	—	20.5	21.7	22.9	22.9	21.9	20.9	18.7	18.9	18.64
	6	19.5	20.0	—	21.0	22.1	22.9	22.5	22.7	21.9	20.9	18.9	18.83
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	19.8	19.8	—	20.5	21.5	22.0	22.3	20.5	19.7	17.5	17.1	19.07
	9	20.0	20.1	—	21.0	21.0	22.0	21.6	20.5	19.2	17.1	17.0	19.54
	10	20.9	21.4	—	20.9	22.4	22.7	22.5	21.5	19.9	17.7	16.8	19.72
	11	20.3	20.8	—	20.3	21.0	21.6	21.4	20.9	20.0	18.9	19.0	19.32
	12	21.0	20.2	—	20.9	22.0	23.4	22.5	22.7	22.0	19.9	18.6	20.82
	13	20.5	20.5	—	20.6	21.3	22.5	22.6	21.8	20.7	20.1	20.2	20.07
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	21.0	21.8	—	22.4	23.0	23.1	22.8	22.0	21.0	19.2	19.1	20.97
	16	18.8	17.3	—	19.1	19.6	20.5	21.0	20.0	19.0	18.5	21.0	18.37
	17	19.8	19.3	—	20.3	20.4	21.0	21.8	21.0	20.0	18.3	18.0	19.28
	18	17.7	18.1	—	18.5	18.4	19.5	19.5	19.0	18.0	17.0	17.3	17.79
	19	17.9	18.0	—	18.8	19.1	20.0	20.1	19.4	18.8	16.1	15.9	18.04
	20	17.9	18.0	—	19.1	19.8	20.2	20.0	19.2	18.5	15.5	14.5	17.72
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	18.3	18.5	—	19.6	19.9	21.1	21.6	20.7	20.1	19.0	19.0	18.10
	23	18.5	18.5	—	19.1	19.9	20.0	20.0	19.1	19.0	18.9	19.0	18.64
	24	19.0	19.0	—	19.1	19.6	20.9	21.3	20.5	20.5	19.0	17.7	19.02
	25	18.6	18.2	—	18.0	19.0	20.1	20.5	20.0	18.9	17.0	17.5	18.45
	26	17.7	17.8	—	18.4	18.5	20.5	20.9	19.5	18.9	16.6	15.0	17.56
	27	18.0	17.9	—	17.5	17.7	18.5	18.9	18.6	17.9	15.8	15.3	17.29
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	17.8	17.6	—	17.7	18.5	19.9	20.3	20.0	19.8	18.9	18.0	17.77
	30	17.8	18.0	—	18.6	19.0	19.8 <sup>b</sup>	20.2	20.0	19.6	18.8	18.4	17.62
	31	18.0	17.9	—	18.5	18.6	18.9	19.2	18.3	17.5	17.0	16.9	17.85
	Hourly Means	19.06	19.10	—	19.65	20.25	21.13	21.12	20.44	19.60	18.00	17.59	
JUNE.	1	18.1	17.6	—	18.5	20.0	20.2	21.4	20.9	19.4	16.3	14.0	17.82
	2	17.0	17.0	—	17.2	17.2	18.0	18.2	17.9	16.9	14.6	15.1	15.61
	3	17.4	17.4	—	17.8	18.5	19.0	19.8	19.1	18.8	16.5	16.1	16.97
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	22.0	22.4	—	22.3	23.7	24.6	25.1	25.0	24.3	22.7	21.9	—
	6	23.1	22.5	—	22.9	24.8	26.1	26.3	25.5	24.9	22.8	20.5	22.88
	7	23.0	23.3	—	24.0	24.8	25.8	26.1	25.8	24.9	23.2	20.9	22.50
	8	23.6	24.1	—	24.2	24.9	25.9	26.3	26.1	25.2	23.1	22.4	23.23
	9	24.2	23.6	—	24.0	24.8	25.4	26.0	25.9	24.7	23.0	22.0	23.32
	10	24.0	24.1	—	24.9	25.3	26.1	26.9	26.5	25.5	24.1	24.3	23.98
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	24.0	23.9	—	23.8	24.3	25.9	27.1	26.9	26.9	25.8	25.0	24.46
	13	24.5	25.9	—	25.3	26.5	28.2	28.9	29.0 <sup>c</sup>	28.3	26.1	26.5	25.50
	14	26.0	27.4	—	26.9	27.3	28.7	29.7	29.3	28.9	27.6	26.2	26.15
	15	27.2	27.1	—	27.5	27.8	28.0	29.1	29.1	28.5	27.1	26.2	26.46
	16	25.0	25.2	—	25.8	27.0	27.5	28.5	28.1	27.1	25.8	25.2	24.84
	17	26.0	26.0	—	26.1	26.6	27.4	27.6	27.5	26.7	25.5	25.0	25.31
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	25.3	24.8	—	25.7	25.5	27.2	29.7	30.0	29.6	27.9	25.2	26.33
	20	25.3	25.8	—	25.8	26.9	27.6	28.6	27.8	27.4	25.0	25.1	25.32
	21	25.7	26.0	—	27.3	27.8	28.4	29.0	28.9	28.3	26.5	27.0	26.02
	22	25.9	25.3	—	26.1	26.5	27.4	28.3	27.8	27.0	26.4	27.0	26.14
	23	26.0	26.0	—	26.8	27.4	28.7	28.9	29.0	28.6	27.5	26.1	25.78
	24	23.0	21.8	—	23.0	—	24.1	24.3	24.2	23.3	22.9	21.3	22.26
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	22.8	23.1	—	24.0	24.3	25.2	26.5	26.9	26.2	25.0	23.5	23.02
	27	23.4	23.7	—	23.9	24.1	25.0	26.0	25.1	25.3	23.8	22.2	23.20
	28	23.8	23.9	—	23.6	24.4	25.3	25.7	26.0	25.8	24.2	24.2	23.39
	29	24.2	24.5	—	24.5	24.9	25.6	26.6	26.4	25.6	24.0	— <sup>s</sup>	24.13
Hourly Means <sup>b</sup>	23.69	23.75	—	24.15	24.85	25.70	26.48	26.24	25.57	23.95	23.09		

<sup>b</sup> Observations of the 4th and 5th not included in the means on account of evident break of connexion; cause not stated, probably that of a suspension of the brass bar.



DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	
	Sc. Div.	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 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	19.0	
	4	20.0	18.0	17.5	15.0	13.6	14.5	15.5	16.8	17.8	18.0	18.8	—	20.0
	5	20.8	19.0	17.0	17.4	18.5	18.9	18.1	19.6	20.2	20.2	20.4	—	20.4
	6	23.4	21.5	20.0	20.2	20.3	21.0	20.9	20.4	21.8	21.9	21.8	—	21.0
	7	23.8	23.1	22.2	21.9	20.1	20.2	19.9	20.6	21.2	21.9	22.3	—	22.0
	8	20.9	20.9	20.5	20.8	22.0	21.7	20.8	20.5	21.1	21.5	21.6	—	23.8
	9	25.9	23.9	22.6	20.1	20.3	19.3	18.9	19.5	20.8	21.9	21.8	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	22.5
	11	23.9	23.0	21.8	21.3	20.9	20.9	20.1	20.8	21.8	21.5	22.0	—	21.9
	12	19.7	20.8	19.6	20.2	21.1	20.0	20.0	20.4	21.2	21.4	22.1	—	22.0
	13	23.5	24.0	24.4	21.2	20.5	21.3	22.0	21.8	22.0	22.0	22.0	—	22.0
	14	21.9	22.6	24.2	24.8	24.9	22.9	21.5	21.8	21.7	21.7	21.9	—	21.7
	15	22.9	23.0	22.6	22.0	21.3	21.0	20.5	21.1	22.0	22.0	22.2	—	22.3
	16	21.0	19.5	20.1	19.5	20.1	20.7	20.9	21.3	21.4	22.0	22.0	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	22.4
	18	22.9	22.5	21.8	22.2	22.0	21.0	20.8	21.3	22.2	22.8	22.9	—	22.5
	19	22.9	23.7	23.9	22.2	22.0	21.2	20.9	21.2	22.1	22.5	22.9	—	22.8
	20	23.4	22.9	21.6	21.0	21.9	21.4	21.1	21.3	21.8	22.2	22.2	—	23.0
	21	23.4	23.3	23.5	22.8	22.1	22.0	22.0	21.5	22.8	23.0	22.0	—	23.1
	22	23.1	24.0	22.5	23.0	22.9	21.9	21.2	21.7	22.0	22.8	22.9	—	23.4
	23	21.2	21.0	22.0	21.1	21.0	21.1	20.2	21.4	21.9	21.7	21.9	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	23.0
	25	20.9	21.0	20.9	21.2	21.8	21.1	21.1	21.2	22.0	22.2	23.0	—	22.7
	26	23.4	24.0	23.9	23.0	21.7	21.2	21.2	21.4	22.0	22.4	22.7	—	23.3
	27	20.2	22.2	22.2	21.9	20.5	21.1	20.8	21.0	21.9	22.2	22.6	—	23.0
	28	22.9	27.0	22.1	21.9	20.6	20.5	20.8	22.0	22.2	22.9	23.1	—	23.0
	29	20.9	23.2	23.9	24.0	24.2	22.6	21.6	20.9	21.3	21.9	22.3	—	24.2
	30	22.0	21.9	20.0	20.0	21.0	21.1	21.0	21.0	21.3	22.2	23.0	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	22.5
Hourly Means		22.29	22.33	21.70	21.20	21.05	20.78	20.49	20.85	21.52	21.90	22.10	—	22.44
AUGUST.	1	18.5	21.2	21.0	21.1	20.5	19.9	18.7	19.3	21.0	21.2	22.1	—	22.5
	2	21.5	21.5	21.0	21.0	21.1	21.9	21.0	21.3	22.1	22.8	22.9	—	22.3
	3	21.8	25.0	25.4	25.4	24.9	23.2	22.2	21.9	22.1	22.0	22.6	—	22.5
	4	21.0	21.9	22.1	22.2	23.3	23.5	22.9	22.0	22.4	23.0	24.2	—	22.4
	5	20.9	21.6	23.0	21.0	21.9	22.0	20.5	21.1	21.0	21.5	22.0	—	21.9
	6	19.9	19.6	20.0	21.3	20.2	18.3	20.2	20.8	20.9	21.4	22.0	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	22.0
	8	18.9	21.7	22.2	22.8	22.8	21.0	19.9	20.9	21.3	21.5	22.3	—	22.0
	9	17.6	18.8	20.3	22.0	22.1	21.2	20.5	21.0	21.8	21.8	22.3	—	22.7
	10	21.3	22.8	23.0	21.9	20.9	21.0	21.4	21.3	21.3	21.2	21.5	—	22.1
	11	19.7	19.0	19.2	20.1	21.1	21.8	20.5	21.7	21.7	22.0	22.1	—	22.3
	12	20.1	21.6	23.0	21.1	22.4	22.0	20.9	21.0	20.6	21.4	21.7	—	22.2
	13	19.0	19.1	19.1	21.3	22.1	22.1	22.0	22.0	22.2	22.9	22.0	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	22.1
	15	22.3	22.5	20.2	20.7	22.8	22.2	22.1	22.2	22.4	22.8	22.6	—	22.8
	16	21.0	20.2	20.9	21.3	22.3	22.6	21.8	22.2	22.3	22.9	23.0	—	22.6
	17	18.4	19.1	19.7	21.9	23.2	24.0	23.0	21.7	22.0	22.2	22.1	—	22.1
	18	18.5	17.0	16.1	19.4	21.5	21.1	21.0	22.9	22.2	21.9	22.2	—	21.9
	19	21.8	21.0	20.2	21.0	21.2	19.9	19.3	20.5	22.9	21.5	21.1	—	22.1
	20	21.1	20.2	19.1	20.1	22.0	23.2	22.0	21.8	21.2	21.3	22.0	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	22.0
	22	20.3	18.8	18.3	20.3	22.5	22.0	20.0	20.8	21.4	21.2	22.0	—	22.5
	23	23.1	22.9	22.9	22.9	21.9	20.2	19.6	21.5	22.2	22.7	22.7	—	22.9
	24	18.9	18.0	16.4	18.8	21.8	20.0	20.8	21.1	21.6	21.1	21.6	—	23.0
	25	20.9	21.2	22.1	21.5	22.0	22.2	21.6	21.4	21.9	22.6	22.0	—	22.2
	26	21.8	23.1	22.8	22.7	21.9	23.5	22.2	21.3	21.9	22.0	23.1	—	22.4
	27	21.2	21.9	22.0	23.0	24.1	24.2	23.0	22.0	22.0	22.0	22.2	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	22.8
	29	19.6	20.9	22.7	22.4	21.4	22.0	22.0	22.0	22.0	22.2	22.4	—	22.9
	30	19.2	19.2	18.0	19.0	20.2	22.9	22.9	21.9	22.0	22.1	22.1	—	22.6
	31	19.9	—	22.1	20.0	23.4	24.0	22.0	22.2	22.5	22.9	22.9	—	—
Hourly Means <sup>c</sup>		20.32	20.76	20.80	21.39	22.00	21.84	21.23	21.45	21.78	21.97	22.26	—	22.38

<sup>a</sup> Instrument employed in experiments; re-adjusted at conclusion.<sup>b</sup> Two and a-half minutes late.<sup>c</sup> Observations of the 31st not included in the means.

DECLINATION.													
Zero Scale Division, July 3rd to 31st, 52.0, corresponding to 22° 16' W.; August 1st to 31st, 52.0, corresponding to 22° 16' W.													
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	Se. Div.	
JULY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	23.0	19.6	—	20.0	17.3	17.3	20.0	22.1	23.0	23.1	20.8	—
	4	20.0	20.0	—	21.3	22.3	22.8	23.2	22.5	23.4	22.2	22.5	18.89
	5	20.9	22.0	—	22.8	22.7	23.9	24.1	24.9	25.0	23.8	24.1	20.64
	6	21.4	21.5	—	22.1	23.5	24.0	24.8	24.0	24.1	23.1	24.1	21.76
	7	21.5	22.0	—	22.7	23.1	24.0	25.0	25.0	24.7	23.4	22.6	22.10
	8	22.8	22.8	—	21.9	23.0	25.3	25.6	25.6	25.0	24.0	25.0	22.12
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	22.4	22.2	—	22.2	22.8	23.2	24.7	25.3	25.5	24.7	24.4	22.17
	11	22.2	21.2	—	22.0	22.1	23.8	24.5	24.5	23.0	21.1	20.0	21.83
	12	22.6	22.3	—	22.1	23.3	24.0	25.6	25.7	25.3	25.1	23.3	21.78
	13	23.0	23.0	—	23.2	23.6	24.1	24.7	24.8	23.4	22.3	22.8	22.62
	14	21.4	21.2	—	21.5	22.6	23.7	25.1	25.0	24.9	23.7	22.3	22.59
	15	22.5	22.2	—	23.4	24.0	25.2	27.2	27.5	27.2	25.8	22.6	22.79
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	22.8	22.5	—	22.9	23.9	24.1	25.7	26.1	26.0	24.9	24.2	22.10
	18	22.6	22.8	—	21.9	22.4	23.5	24.2	23.8	23.8	22.0	21.9	22.27
	19	23.0	23.4	—	22.6	22.6	23.8	24.0	24.7	24.7	22.9	22.0	22.63
	20	22.7	22.8	—	23.0	23.5	24.1	25.0	25.1	25.0	23.7	23.5	22.57
	21	22.5	23.8	—	23.3	24.3	25.0	25.8	25.8	25.5	24.1	23.7	23.12
	22	23.3	23.5	—	22.7	23.3	23.7	24.2	24.9	24.3	22.4	21.2	22.71
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	22.9	23.0	—	22.8	22.9	23.8	24.6	24.0	22.9	21.1	20.1	22.01
	25	22.1	22.2	—	23.1	24.0	25.0	25.7	25.0	23.7	21.9	21.5	22.21
	26	23.5	23.6	—	23.4	23.9	24.2	23.2	22.1	21.2	20.3	19.8	22.51
	27	23.0	23.0	—	23.2	23.8	24.5	25.4	25.0	24.0	23.0	22.1	22.23
	28	23.2	23.1	—	23.8	24.3	24.9	24.8	24.0	23.9	22.1	21.5	22.54
	29	23.2	23.7	—	24.7	25.0	26.0	26.6	26.7	25.4	23.9	22.5	23.18
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	23.4	23.8	—	24.1	24.2	26.6	27.2	26.8	26.0	22.2	20.0	22.42
Hourly Means	22.45	22.57	—	22.78	23.38	24.30	25.04	24.95	24.50	23.07	22.40	—	
AUGUST.	1	23.1	23.2	—	24.0	24.8	24.9	24.9	24.8	24.1	22.4	21.9	21.51
	2	22.5	22.7	—	23.1	23.3	24.9	25.2	24.6	23.7	22.2	20.0	22.20
	3	22.2	22.2	—	22.9	23.9	24.3	23.9	23.0	22.0	20.2	20.0	22.72
	4	21.6	22.0	—	22.9	23.2	24.1	25.2	25.6	24.6	23.0	20.9	22.78
	5	22.0	21.5	—	22.8	22.8	23.2	24.7	25.0	24.0	22.2	20.8	21.96
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	22.9	22.1	—	22.4	23.2	23.9	23.5	22.9	22.2	19.6	18.5	21.13
	8	22.3	21.9	—	22.1	22.9	23.8	24.1	23.9	22.5	20.2	18.6	21.55
	9	22.4	22.9	—	22.8	23.5	24.9	25.9	25.2	24.9	22.5	20.2	21.87
	10	22.1	22.1	—	22.1	22.8	24.0	25.2	25.1	24.0	22.0	19.9	22.02
	11	22.3	22.4	—	23.0	23.5	24.8	25.9	25.3	24.0	21.4	20.2	21.75
	12	22.8	22.8	—	23.1	23.5	24.8	24.5	24.7	23.6	21.0	19.2	21.94
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	21.3	22.3	—	22.5	23.8	25.1	25.9	26.0	25.8	24.9	23.1	22.17
	15	21.9	21.9	—	22.7	23.7	25.1	25.2	24.5	23.2	21.1	20.7	22.36
	16	22.8	22.8	—	24.2	23.9	25.9	25.6	24.9	24.2	21.2	20.1	22.49
	17	21.7	21.7	—	22.9	23.2	24.6	25.0	25.1	25.1	22.9	20.0	22.06
	18	21.9	21.6	—	22.7	24.9	26.0	26.1	26.1	25.1	23.5	21.0	21.68
	19	22.1	21.8	—	22.2	24.7	25.8	26.2	25.2	24.9	22.8	21.2	21.84
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	22.0	22.2	—	23.0	24.3	26.5	26.8	26.7	25.8	23.3	21.8	22.21
	22	22.2	22.3	—	22.9	24.0	25.9	26.1	26.0	25.1	24.0	23.9	21.92
	23	22.2	23.0	—	22.8	23.8	25.2	25.0	24.1	23.2	21.9	20.9	22.46
	24	23.0	23.0	—	23.4	25.0	26.9	26.5	25.2	25.1	23.0	21.9	21.76
	25	23.3 <sup>b</sup>	23.0	—	23.5	24.3	25.8	25.9	25.1	24.7	23.1	20.8	22.47
	26	23.0	22.9	—	23.5	24.5	25.1	24.1	24.0	23.9	22.9	20.9	22.57
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	22.9	22.8	—	23.3	24.2	25.7	25.7	25.0	24.5	22.9	21.1	22.83
	29	22.9	22.5	—	24.0	25.0	26.0	25.9	25.0	23.9	21.1	19.1	22.37
	30	22.6	22.7	—	23.7	24.4	24.9	24.3	23.2	22.1	19.8	19.0	21.62
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	22.38	22.40	—	23.02	23.89	25.08	25.28	24.85	24.08	22.12	20.60	—	

DECLINATION.														
Angular Value of one Scale of the Declinometer = 0'.711. Increasing numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
	Sc. Div.	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	—	21.1	19.9	22.1	23.9	23.5	22.9	22.9	22.9	22.9	22.5	22.3	22.2
	2	19.4	20.6	20.1	19.8	22.7	21.7	21.7	20.9	20.9	21.8	21.2	20.8	20.2
	3	21.8	21.9	20.9	22.5	22.5	22.8	22.0	21.7	21.4	21.5	21.4	21.1	21.2
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	21.5	23.2	23.0	24.0	25.3	25.1	22.2	21.7	21.7	21.9	22.1	22.0	22.1
	6	19.9	19.1	18.9	20.8	21.9	22.9	22.6	21.3	21.3	21.0	21.0	21.6	21.9
	7	17.1	17.4	17.6	18.2	19.8	20.3	20.1	20.8	21.2	21.5	21.5	21.9	22.0
	8	18.5	18.9	20.1	22.1	24.0	24.9	23.0	21.9	21.7	21.8	21.9	22.0	22.0
	9	18.9	19.0	19.6	21.9	22.2	20.8	20.2	20.0	20.5	21.8	22.0	22.0	22.0
	10	20.1	20.6	20.9	22.5	23.8	22.5	21.1	20.7	21.1	21.5	21.3	22.0	22.0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	21.1	22.1	22.9	23.9	25.9	25.6	23.0	21.6	22.0	22.0	21.6	21.3	21.7
	13	16.9	18.0	16.5	16.0	17.0	18.9	21.1	22.0	21.9	21.9	21.9	22.1	21.9
	14	20.2	19.3	19.1	20.5	22.1	22.7	22.3	21.8	21.8	22.1	22.1	22.1	22.1
	15	23.0	24.2	23.5	22.3	22.2	23.0	22.8	21.9	21.8	21.5	21.8	21.7	21.8
	16	21.0	23.9	24.2	23.6	23.9	23.1	22.1	22.0	21.5	21.8	21.7	21.4	21.5
	17	21.9	22.8	22.3	21.4	21.2	20.0	20.7	21.8	21.2	21.2	21.7	21.4	21.5
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	19.6	20.9	22.0	22.9	22.1	22.3	22.6	22.5	21.9	22.3	21.9	22.0	22.1
	20	22.8	24.4	24.4	24.9	23.3	22.8	21.0	19.9	20.2	20.9	21.2	21.9	21.7
	21	21.5	20.4	22.0	21.9	20.0	19.3	19.1	19.2	20.9	21.9	21.0	20.9	20.6
	22	16.2	17.8	19.9	20.9	20.9	20.2	20.1	19.8	20.0	20.1	20.9	21.2	21.5
	23	19.9	20.1	20.9	20.0	20.2	20.7	21.0	20.9	21.6	21.9	21.3	21.5	22.2
	24	20.9	21.2	22.0	22.9	23.9	22.8	21.2	21.0	20.8	21.0	21.4	22.0	22.5
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	22.3	24.3	23.9	22.0	21.0	22.0	21.0	21.0	21.9	21.9	22.0	22.0	22.0
	27	18.3	19.0	20.0	20.6	20.0	19.3	19.3	20.3	21.0	21.4	21.4	21.7	22.0
	28	22.2	24.0	24.2	24.1	22.0	20.4	21.0	21.4	21.8	21.6	22.0	22.2	21.9
	29	22.0	23.5	24.6	21.9	21.1	20.0	19.4	20.0	20.2	20.8	20.9	21.0	21.1
	30	22.6	24.8	25.4	25.5	23.0	21.2	20.9	20.9	20.7	20.9	21.0	21.2	21.1
Hourly Means	20.38	21.25	21.49	21.89	22.15	21.88	21.32	21.15	21.30	21.57	21.56	21.66	21.72	
OCTOBER.	1	23.5	26.0	25.9	23.4	22.0	22.1	22.3	21.4	20.9	20.9	21.0	21.0	21.0
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	23.0	24.5	25.0	23.0	20.4	18.9	20.1	21.2	21.2	21.6	21.9	22.2	20.3
	4	24.7	25.1	24.7	22.9	20.2	19.7	19.3	20.9	21.8	21.9	22.0	21.8	21.8
	5	26.1	26.0	25.0	23.9	21.9	19.1	20.1	21.1	21.0	21.4	21.5	21.6	21.7
	6	22.8	24.2	25.1	23.2	21.4	19.0	19.7	21.2	21.3	21.5	21.9	22.0	21.9
	7	23.4	25.3	25.5	23.1	20.6	19.4	19.8	21.1	21.0	21.0	21.3	21.7	21.8
	8	24.9	25.9	25.8	23.8	21.3	20.2	19.1	19.5	21.1	21.0	22.0	21.2	21.5
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	21.5	20.8	21.5	20.1	20.5	20.3	19.8	20.0	20.8	21.4	21.3	21.4	21.9
	11	22.2	23.0	22.6	21.7	20.1	19.2	19.2	20.1	20.9	21.4	21.7	21.8	21.8
	12	25.9	26.9	25.4	25.0	23.5	21.9	20.9	20.9	21.0	21.0	21.2	21.2	21.5
	13	23.9	26.0	25.2	23.9	20.8	18.5	19.9	21.1	20.1	20.0	20.8	21.1	21.4
	14	25.0	24.1	23.0	21.9	19.9	18.0	18.6	19.9	20.1	20.6	20.9	21.2	21.6
	15	25.8	25.7	25.3	23.6	21.9	20.9	20.7	20.5	20.9	20.9	21.5	22.0	21.2
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	22.8	22.9	22.4	21.5	19.0	18.0	19.2	18.8	19.0	19.1	20.3	20.9	21.0
	18	24.9	24.0	21.0	19.0	18.0	17.8	18.8	20.2	20.9	20.8	22.1	21.4	20.7
	19	24.0	24.0	22.8	21.9	20.0	18.1	17.9	20.0	21.1	21.1	20.8	21.4	21.5
	20	26.3	27.0	25.8	23.1	20.0	18.6	19.0	20.4	21.0	20.8	21.1	21.9	22.1
	21	23.1	24.2	24.4	22.5	19.2	18.9	19.6	20.8	21.0	20.6	21.3	21.8	21.3
	22	23.6	24.2	22.3	21.2	19.3	17.9	18.5	20.7	21.1	21.3	21.4	22.1	22.1
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	22.2	25.0	23.8	22.0	19.1	19.0	19.3	20.0	20.4	20.9	21.3	21.6	21.3
	25	24.9	26.8	25.0	23.6	22.2	20.8	20.5	20.4	20.6	20.8	21.0	21.7	21.0
	26	23.5	26.1	25.9	23.9	22.0	20.6	20.1	20.9	20.9	20.1	20.1	21.0	21.0
	27	23.1	24.0	23.2	21.0	20.4	19.7	19.8	20.0	19.6	19.8	20.4	20.7	20.5
	28	23.1	23.0	23.1	21.1	19.0	17.9	18.4	19.7	19.8	20.3	20.3	20.9	20.9
	29	24.4	23.7	23.8	21.8	20.0	18.1	18.2	19.6	20.4	20.9	20.3	20.9	21.4
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	21.8	22.8	22.7	21.4	19.4	17.8	17.2	19.1	20.0	20.9	21.2	21.2	21.1
Hourly Means	23.86	24.66	24.08	22.44	20.46	19.25	19.46	20.36	20.69	20.85	21.18	21.45	21.36	

DECLINATION.													
Zero Scale Division January 1st to 31st, 40°0, corresponding to 22° 46' W.; February 10th to 28th, 52°0, corresponding to 22° 16' W.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means.	
SEPTEMBER.	1	22°0	22°0	22°2	22°0	23°0	23°0	25°0	23°0	23°1	21°3	20°4	22°44
	2	22°8	21°5	21°8	21°4	22°0	21°9	23°1	24°6	22°7	21°8	21°1	21°52
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	22°6	22°4	22°9	22°3	22°2	22°8	25°0	26°0	24°1	22°0	22°0	22°37
	5	22°1	22°1	21°9	21°9	21°9	22°4	24°3	25°9	24°6	22°4	20°7	22°75
	6	21°9	22°0	21°8	22°0	21°9	22°5	24°3	24°9	21°8	19°2	17°1	21°40
	7	22°4	22°0	22°2	22°0	22°2	23°0	24°9	24°9	22°0	20°2	19°0	21°01
	8	21°8	22°1	21°9	22°0	22°1	22°5	24°1	24°1	21°9	19°8	18°9	21°83
	9	22°0	21°8	21°8	21°4	21°6	22°0	23°5	24°0	22°9	20°9	19°6	21°35
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	21°8	21°4	20°5	20°9	20°0	21°7	24°0	23°5	20°4	20°0	19°9	21°42
	12	22°0 <sup>a</sup>	21°8	21°0	22°0	22°0	22°0	24°1	23°1	20°8	19°1	17°1	22°07
	13	21°2	21°3	23°0	23°9	22°2	22°0	24°3	24°0	22°0	21°3	20°3	20°90
	14	22°1	22°0	21°9	22°2	22°1	22°5	23°4	22°1	21°3	21°3	21°6	21°70
	15	21°8	21°8	21°8	21°8	21°6	22°2	25°5	25°1	21°9	19°8	19°4	22°26
	16	21°0	21°3	21°1	21°5	21°5	22°0	25°2	25°5	22°1	20°9	20°8	22°27
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	22°0	21°0	21°0	21°0	21°5	21°8	22°8	22°0	20°0	19°2	18°6	21°25
	19	21°8	20°7	21°3	21°2	21°1	22°8	24°1	22°8	21°5	20°3	20°8	21°81
	20	22°8	21°8	21°9	21°4	21°1	22°5	25°1	24°4	22°0	20°7	20°2	22°22
	21	21°5	22°0	21°5	21°7	22°5	22°9	24°8	23°0	20°2	17°5	15°9	20°92
	22	21°8	22°3	22°2	21°8	21°9	22°0	25°0	24°0	21°0	18°7	18°2	20°77
	23	22°1	22°4	22°0	22°5	22°8	22°9	25°0	23°2	21°1	21°4	20°2	21°57
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	22°1	22°1	22°0	22°4	22°0	23°1	25°5	23°8	22°0	20°4	20°6	22°07
	26	21°8	21°3	21°3	22°1	22°1	22°9	25°5	24°0	21°4	20°0	17°9	21°98
	27	21°6	21°2	21°1	21°0	21°0	21°6	24°1	22°2	20°1	19°4	19°2	20°70
	28	21°5	21°2	20°5	20°2	20°2	21°0	24°9	21°9	20°8	20°2	19°9	21°71
	29	21°1	21°9 <sup>b</sup>	21°6	20°9	20°9	20°7	21°8	20°6	20°0	20°1	21°1	21°13
	30	21°0	21°2	20°9	20°8	20°9	20°2	19°9	18°7	17°8	18°9	21°0	21°27
Hourly Means	21°87	21°71	21°66	21°70	21°70	22°19	24°20	23°51	21°52	20°26	19°67	21°45	
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	21°26	
	2	21°7	20°8	20°9	20°9	20°5	20°4	20°1	18°0	16°8	18°0	20°7	21°41
	3	21°7	21°6	20°8	20°8	20°9	20°6	21°9	20°6	19°8	19°8	22°1	21°55
	4	21°4	20°9	20°8	20°7	—	21°0	21°2	18°4	18°9	21°5	24°1	21°42
	5	21°1	21°3	20°9	20°7	20°1	20°5	21°5	18°5	18°4	20°1	20°6	21°44
	6	22°0	21°7	21°2	20°9	20°3	20°6	22°4	20°7	19°0	19°3	21°3	21°49
	7	21°6	20°9	20°7	20°6	19°9	20°4	22°0	19°9	20°0	21°5	23°3	21°66
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	21°1	20°5	20°7	20°6	21°0	21°8	24°2	21°6	19°8	20°4	20°9	20°96
	10	21°2	21°4	21°1	21°0	20°7	21°2	22°8	20°7	19°9	20°9	20°9	21°25
	11	21°5	21°0	21°0	21°1	21°1	21°2	22°1	21°0	20°2	21°8	22°2	21°78
	12	21°2	21°3	21°3	21°4	21°1	21°1	21°6	19°6	18°1	18°9	20°8	20°95
	13	21°4	20°4	20°3	19°1	18°9	19°2	20°1	19°5	19°2	20°0	22°0	20°72
	14	21°4	20°8	20°2	19°8	19°8	20°2	19°0	17°2	17°9	21°3	24°8	21°22
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	20°9	21°0	20°9	20°1	20°0	20°3	19°8	17°0	17°1	19°5	21°9	20°20
	17	20°6	20°3	20°9	20°2	19°9	20°0	18°3	16°0	17°9	21°8	23°9	20°38
	18	20°2	21°9	20°1	19°8	19°0	19°1	19°1	18°5	19°3	20°5	22°1	20°70
	19	20°9	20°5	19°8	20°2	19°2	19°3	19°7	18°3	19°4	20°9	24°0	21°05
	20	21°4	21°0	20°9	20°0	20°2	20°0	21°2	17°9	17°0	18°3	20°2	21°07
	21	21°7	20°8	20°3	20°6	20°6	21°1	22°4	20°1	19°2	19°2	20°9	20°25
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	19°8	20°3	19°2	18°7	18°6	20°0	21°0	18°1	17°0	17°7	19°9	20°43
	24	21°0	20°8	20°7	19°9	19°7	20°2	21°0	17°9	16°1	17°4	19°8	20°97
	25	21°1	20°9	20°8	20°9	20°6	20°1	20°2	18°1	17°0	15°9	18°4	20°45
	26	20°9	20°9	20°7	20°2	19°5	18°9	18°2	15°2	15°0	16°1	19°0	20°28
	27	20°5	20°2	19°9	19°9	19°9	19°5	19°0	16°5	17°0	20°0	22°2	20°04
	28	20°8	20°0	19°8	19°7	20°0	19°9	19°0	17°3	18°0	18°4	20°5	19°81
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	20°4	19°4	19°3	19°2	18°1	18°1	18°0	16°1	16°2	17°9	19°3	19°77
	31	20°4	20°3	20°1	19°7	19°7	19°1	18°9	16°8	16°2	17°1	19°6	—
Hourly Means	21°07	20°80	20°51	20°26	19°97	20°15	20°56	18°44	18°09	19°39	21°36	20°13	

<sup>a</sup> One and a-half minute late.<sup>b</sup> Two and a-half minutes late.

DECLINATION.														
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing numbers denote decreasing Westerly Declination.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
NOVEMBER.	1	20.7	20.5	20.0	21.5	20.9	19.1	18.9	20.4	21.2	21.6	21.6	21.8	21.9
	2	21.8	24.0	23.3	22.6	20.3	18.0	18.3	20.7	21.1	21.0	20.7	20.4	20.8
	3	21.6	22.5	22.4	21.7	18.5	16.4	16.0	17.9	19.7	20.0	20.6	21.2	20.0
	4	22.3	24.1	24.5	24.7	23.2	20.2	19.3	19.7	20.2	20.9	21.0	21.6	21.6
	5	21.2	21.9	22.0	21.9	21.5	19.9	20.2	20.2	20.8	21.2	21.4	21.7	21.8
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	16.9	17.3	20.0	21.0	21.1	20.0	19.8	19.9	20.8	20.9	21.1	21.0	20.9
	8	18.1	20.0	21.0	20.8	19.0	18.6	18.1	19.1	20.9	21.0	21.0	21.3	21.3
	9	23.1	23.9	23.5	22.0	21.1	20.4	19.3	20.2	21.3	21.8	21.2	21.3	21.7
	10	22.8	21.9	21.0	20.8	20.9	19.6	18.0	18.7	19.8	20.7	20.6	20.2	21.0
	11	22.2	21.8	21.2	21.3	20.0	19.5	19.5	19.8	20.1	20.1	20.2	21.0	20.9
	12	21.2	21.9	18.3	19.2	19.4	19.0	18.8	18.8	19.7	20.2	20.6	20.9	20.7
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	19.9	21.8	22.0	20.9	20.0	18.7	18.1	19.0	19.9	20.2	20.3	20.6	20.2
	15	21.9	23.9	22.7	22.0	21.9	20.8	19.5	19.0	19.9	20.7	21.0	20.9	21.3
	16	20.5	22.3	21.5	20.0	18.3	17.0	16.1	17.0	17.5	18.8	20.0	20.5	20.9
	17	20.5	21.2	21.6	22.0	21.8	19.1	18.7	18.8	19.6	20.0	20.1	20.7	20.6
	18	18.1	17.3	16.1	15.4	16.0	16.8	17.7	19.0	20.1	20.6	21.2	20.8	20.3
	19	19.9	21.2	21.7	19.9	19.0	18.1	18.8	20.7	21.3	21.8	22.6	22.0	21.2
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	21.6	22.1	22.6	21.0	19.4	18.2	18.3	20.6	21.0	20.9	20.2	20.6	19.8
	22	18.7	21.2	20.8	19.2	18.9	17.0	17.7	18.6	18.9	20.0	20.0	19.9	20.0
	23	18.2	20.2	21.5	22.5	21.8	19.6	18.0	17.4	18.7	18.8	19.0	19.1	19.0
	24	20.0	21.9	22.0	20.2	20.0	20.2	19.2	19.4	19.4	19.9	20.2	19.8	19.7
	25	18.7	20.2	20.9	19.9	18.0	17.0	17.2	18.9	19.9	20.0	20.2	20.0	19.9
	26	21.0	22.6	22.5	21.1	19.6	19.2	19.7	20.2	20.3	20.3	20.7	20.7	20.5
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	18.9	18.9	18.6	17.9	18.9	19.2	20.3	21.3	21.1	21.1	21.2	21.5	21.0
	29	21.1	20.9	18.8	18.9	19.2	20.6	21.1	20.1	21.1	21.1	21.8	21.6	21.0
	30	22.0	22.1	20.2	19.7	18.9	19.0	19.1	19.8	19.8	19.9	20.2	20.0	19.5
	Hourly Means	20.50	21.45	21.18	20.70	19.91	18.89	18.68	19.43	20.16	20.52	20.72	20.81	20.67
DECEMBER.	1	20.9	21.9	21.1	19.7	18.0	18.0	17.8	19.1	20.0	20.3	20.3	20.8	20.0
	2	21.5	22.0	23.2	23.0	22.0	20.8	20.8	20.7	20.8	20.3	20.3	20.8	20.7
	3	22.8	24.0	23.1	20.2	18.9	18.0	18.9	20.0	20.3	20.2	20.5	20.3	20.2
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	21.7	22.1	20.3	20.1	20.0	20.8	20.9	20.3	20.9	21.6	21.8	21.9	21.3
	6	21.9	22.8	22.2	20.3	18.9	18.9	19.2	20.1	20.0	19.8	19.9	20.0	19.9
	7	19.7	20.4	22.3	20.9	18.1	18.2	18.7	18.9	19.5	18.8	19.9	19.1	20.0
	8	22.1	22.3	22.3	19.7	19.7	21.0	20.2	19.1	19.0	19.1	19.9	19.9	19.8
	9	22.2	21.1	20.7	18.8	17.0	17.3	17.5	16.4	17.9	16.8	18.0	19.0	19.0
	10	19.9	21.0	21.9	20.5	18.7	17.0	16.6	17.9	18.5	18.9	19.2	20.0	20.2
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	20.8	20.0	18.8	17.5	18.1	18.8	19.9	20.2	20.0	20.0	20.1	20.0	19.9
	13	22.8	22.0	19.8	18.2	18.2	18.9	20.7	21.0	20.5	20.8	19.7	19.9	19.2
	14	21.0	21.5	20.4	19.4	18.5	18.0	18.7	19.6	19.7	19.4	19.9	19.9	19.8
	15	19.5	19.0	17.0	15.5	15.0	15.5	16.3	17.8	18.4	18.8	19.4	19.7	19.1
	16	18.6	18.0	19.4	18.5	17.0	16.7	18.0	17.7	18.2	18.7	18.7	18.9	19.0
	17	16.9	17.8	19.9	18.7	16.9	16.4	17.2	18.0	18.8	19.5	20.0	20.7	20.8
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	17.3	19.6	21.4	20.0	16.9	15.3	15.3	16.2	17.9	18.9	19.1	19.0	19.1
	20	21.0	21.2	21.8	21.6	19.3	18.0	17.8	17.2	17.8	18.5	19.0	19.1	19.0
	21	15.5	17.0	17.5	17.1	17.3	18.0	17.8	18.0	18.0	18.7	19.0	19.1	19.2
	22	12.9	15.0	15.2	15.0	15.4	17.1	17.9	17.8	18.8	19.8	20.1	20.3	20.1
	23	18.0	17.5	16.4	15.2	15.6	15.9	16.3	16.2	17.3	18.3	18.2	18.9	18.8
	24	16.2	18.0	17.8	18.2	18.7	19.3	19.9	19.2	18.9	19.0	19.2	19.4	19.6
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	19.0	18.0	17.6	16.2	16.3	17.9	18.1	17.7	18.8	19.3	19.7	19.7	19.1
	27	18.0	17.1	16.0	15.1	15.0	16.2	17.9	18.3	18.9	19.9	19.9	20.0	20.0
	28	16.6	15.2	16.9	16.9	15.3	15.8	17.0	17.3	17.8	18.8	19.0	19.4	19.0
	29	18.9	18.0	16.3	16.2	17.2	18.0	17.3	17.2	17.0	17.9	18.6	19.0	19.0
	30	20.6	20.2	19.2	17.1	15.5	15.8	17.5	18.6	18.4	18.9	19.5	19.1	19.5
	31	20.1	19.3	18.0	17.0	16.2	16.8	16.8	16.9	18.0	18.6	19.0	19.2	19.0
	32	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	19.50	19.70	19.50	18.39	17.54	17.72	18.19	18.43	18.87	19.23	19.55	19.74	19.64	

DECLINATION.													
Zero Scale Division November 1st to 30th, 52° 0, corresponding to 22° 46' W.; December 1st to 31st, 52° 0, corresponding to 22° 46' W.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means.	
NOVEMBER.	1	21.2	20.9	20.9	21.0	20.7	20.0	19.0	15.0	14.9	17.0	18.9	19.98
	2	20.4	20.2	19.6	18.8	18.4	18.6	19.0	17.1	15.0	16.8	18.4	19.80
	3	21.2	20.7	20.4	19.8	19.0	19.0	18.8	17.9	17.2	18.0	19.1	19.57
	4	21.2	20.2	20.1	19.8	19.0	18.8	17.2	15.4	15.4	16.8	18.8	20.25
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	21.1	21.1	20.9	20.8	20.8	20.7	20.1	16.2	14.3	14.7	16.0	20.10
	7	21.0	20.9	20.3	20.2	19.8	19.8	19.4	16.1	14.8	15.3	17.3	19.40
	8	21.6	21.9	21.0	20.9	20.5	20.2	20.4	18.3	18.3	18.2	20.8	20.10
	9	21.0	21.1	20.7	19.2	17.8	18.9	19.5	17.1	17.5	19.2	21.0	20.57
	10	20.1	19.8	19.0	18.4	18.6	17.6	18.2	16.4	17.5	18.8	21.0	19.64
	11	21.0	20.2	19.7	19.1	18.2	19.0	18.9	19.0	19.1	19.2	19.2	20.01
	12	—	—	—	—	—	—	—	—	—	—	—	19.65
	13	20.0	19.9	19.0	18.9	18.8	19.3	19.0	16.9	15.9	16.1	18.6	19.21
	14	20.2	19.7	20.1	20.1	19.9	19.7	17.9	14.9	14.9	17.0	19.0	19.37
	15	21.0	20.0	20.0	19.9	20.0	19.5	18.0	17.0	17.0	18.5	19.3	20.24
	16	20.3	20.4	20.0	19.9	20.0	19.7	18.0	15.9	15.9	17.4	19.0	19.04
	17	20.9	21.2	21.0	20.8	20.0	19.9	18.8	15.9	14.9	16.0	16.9	19.62
	18	20.2	20.0	20.2	20.2	19.8	19.1	19.1	16.0	14.3	16.7	19.0	18.50
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	20.8	20.1	19.8	19.8	18.3	17.1	17.0	16.9	16.8	18.0	19.2	19.67
	21	17.4	16.1	16.9	14.5	13.0	11.0	14.4	13.0	13.7	14.0	16.5	17.78
	22	19.9	19.9	19.1	18.3	16.1	17.1	16.3	14.1	14.4	16.1	17.1	18.30
	23	19.0	19.0	18.7	18.7	18.5	18.0	16.6	15.2	15.6	17.0	18.8	18.70
	24	20.0	19.8	19.0	18.8	18.5	18.7	17.9	15.5	14.8	15.0	16.2	19.00
	25	19.4	19.0	18.8	18.7	18.8	18.7	18.3	17.5	17.1	17.3	18.2	18.86
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	19.9	19.3	19.1	18.9	18.9	19.0	19.0	18.0	17.8	18.1	18.8	19.80
	28	20.2	19.7	18.9	18.3	17.0	17.3	16.2	17.1	18.2	19.8	21.4	19.33
	29	20.2	19.8	19.7	19.0	19.2	18.1	17.1	16.4	17.6	19.3	21.0	19.78
	30	19.0	18.1	17.6	17.5	17.6	17.3	16.5	15.4	15.1	17.1	18.9	18.76
	Hourly Means	20.31	19.96	19.63	19.24	18.74	18.54	18.10	16.31	16.08	17.21	18.78	
DECEMBER.	1	20.0	19.0	18.8	18.3	18.4	18.2	18.0	17.7	17.1	18.5	19.8	19.24
	2	20.0	19.8	19.1	18.9	18.1	17.2	15.8	13.6	13.3	16.1	19.4	19.51
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	20.8	20.1	19.1	18.6	18.0	18.0	17.8	16.2	16.0	18.1	21.0	19.63
	5	21.0	20.6	19.7	19.4	18.3	17.9	16.7	14.0	15.0	16.0	18.2	19.60
	6	19.8	18.9	18.0	18.0	18.3	17.8	15.9	15.3	17.1	17.5	18.3	19.12
	7	18.7	18.4	18.4	18.1	17.8	17.3	16.6	15.1	15.7	18.0	20.6	18.72
	8	19.8	19.4	18.8	18.4	18.0	17.8	18.0	17.6	19.0	19.2	20.2	19.60
	9	19.0	19.2	18.9	19.2	18.2	17.5	15.9	15.3	16.0	16.8	17.4	18.13
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	18.8	18.7	18.5	18.2	18.0	17.8	16.4	15.0	15.1	19.0	20.0	18.57
	12	19.9	18.7	18.4	18.4	18.0	17.7	17.4	16.3	16.1	18.0	21.0	18.92
	13	19.0	17.1	16.3	16.9	17.1	17.0	17.1	15.6	17.0	19.2	19.3	18.89
	14	19.0	18.5	18.2	18.1	17.3	17.9	17.4	15.7	15.1	16.2	17.9	18.63
	15	19.2	18.7	18.1	17.8	17.5	17.1	16.4	16.1	16.1	17.6	18.1	17.65
	16	18.9	18.6	18.3	18.1	17.8	17.7	17.7	16.3	15.2	15.0	16.6	17.79
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	18.2	17.9	17.0	16.8	15.1	15.7	14.7	14.8	15.0	15.6	17.50
	19	18.6	18.2	18.0	17.6	17.2	16.7	16.4	15.8	15.3	15.1	18.0	17.62
	20	19.0	18.4	18.1	17.9	17.0	17.2	16.7	14.8	14.0	12.5	13.0	17.91
	21	19.0	18.8	18.6	18.3	17.9	17.8	17.0	14.3	13.8	11.2	10.2	17.05
	22	20.0	19.0	18.4	17.8	18.1	17.7	17.1	15.4	15.3	16.5	17.1	17.41
	23	18.7	18.2	18.3	18.2	18.3	18.3	18.3	16.0	14.7	14.7	14.8	17.13
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	19.0	18.7	18.5	18.1	17.8	18.0	18.0	16.7	16.9	17.8	18.1	18.37
	26	19.1	18.8	18.3	18.0	17.8	17.6	18.0	17.1	16.9	17.5	18.6	18.13
	27	20.0	19.1	17.7	17.9	17.0	17.0	17.7	18.4	18.7	20.3	18.3	18.10
	28	18.9	18.9	18.2	17.2	17.0	16.8	17.0	17.0	17.0	18.0	17.8	17.45
	29	18.9	18.2	18.3	18.2	17.4	17.0	15.5	15.4	15.2	16.7	18.9	17.51
	30	19.0	18.4	17.9	17.4	17.0	16.5	16.0	15.0	15.9	18.9	19.9	17.99
	31	—	—	—	—	—	—	—	—	—	—	—	—
	32	18.4	17.0	16.3	16.1	15.8	15.6	15.1	14.5	17.0	20.7	22.2	17.65
Hourly Means	19.33	18.73	18.26	18.00	17.63	17.34	16.87	15.74	15.90	17.04	18.16		

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
	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	56.0	49.3	48.5	51.1	47.0	42.0	48.1	40.0	48.0	49.0	51.9	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	61.3	60.3	59.1	57.2	57.8	58.0	56.0	56.2	51.1	52.2	53.7	53.9
	4	70.8	68.0	64.7	63.8	62.0	59.9	58.0	55.3	55.9	56.0	56.0	56.3
	5	65.0	63.5	63.0	61.8	60.8	58.6	56.7	56.1	52.1	51.1	55.0	57.1
	6	59.3	60.3	61.0	60.0	58.4	57.0	55.4	56.2	55.5	55.2	54.6	56.2
	7	62.2	62.7	62.1	61.0	58.4	56.7	54.2	55.2	54.0	56.8	55.8	57.1
	8	69.9	68.8	67.0	65.1	63.0	60.2	59.0	56.8	57.2	57.0	57.0	—
	9	—	—	—	—	—	—	—	—	—	—	—	58.8
	10	67.8	65.6	63.1	60.0	59.0	57.8	57.1	58.8	59.0	58.1	58.0	58.2
	11	66.9	65.1	65.0	60.1	56.4	54.6	54.3	57.0	54.5	54.0	52.5	57.0
	12	60.9	60.1	59.2	58.0	56.5	56.2	56.0	55.0	55.0	55.1	55.1	55.1
	13	67.0	65.6	63.0	62.2	59.5	56.4	55.2	54.2	54.2	54.1	54.9	55.7
	14	67.5	66.2	65.3	62.5	59.8	59.3	58.2	56.1	56.1	55.6	56.3	57.2
	15	72.9	73.9	71.5	66.0	62.9	61.5	60.0	59.4	57.0	57.2	48.8	—
	16	—	—	—	—	—	—	—	—	—	—	—	55.8
	17	70.6	69.1	67.9	64.1	61.2	61.3	58.1	54.0	53.9	54.5	56.0	57.1
	18	68.0	64.3	64.8	60.2	55.2	52.1	48.4	48.1	50.1	50.0	56.9	55.8
	19	65.0	65.0	64.1	61.1	59.0	57.0	55.2	52.2	51.8	51.0	52.4	54.8
	20	62.1	62.1	61.9	60.9	59.7	58.8	58.1	56.6	54.9	54.9	55.4	56.3
	21	64.0	63.9	62.2	61.8	60.0	59.0	57.1	55.1	57.1	56.5	53.8	53.5
	22	62.1	62.1	61.2	59.5	59.0	57.4	57.5	56.4	57.5	54.5	53.8	—
	23	—	—	—	—	—	—	—	—	—	—	—	55.1
	24	63.8	64.3	62.1	60.0	57.8	56.1	57.5	56.0	47.0	45.0	50.3	54.9
	25	65.0	62.9	61.8	59.1	56.2	56.0	54.1	51.0	52.0	51.8	51.9	54.7
	26	58.2	58.0	57.0	55.9	55.1	55.0	55.0	53.4	53.8	54.4	55.0	56.1
	27	61.1	66.2	63.8	61.2	59.9	57.7 <sup>d</sup>	54.4	53.8	51.0	50.4	50.9	52.9
	28	62.0	61.0	60.3	60.0	59.7	60.8	60.0	57.8	56.5	55.2	54.0	56.2
	29	64.0	63.0	60.9	59.2	57.8	56.8	53.0	54.8	53.2	54.0	55.0	—
	30	—	—	—	—	—	—	—	—	—	—	—	56.8
	31	64.2	61.8	58.9	56.0	56.0	56.0	54.0	53.9	53.5	54.1	55.2	55.9
Hourly Means	64.52	63.58	62.28	60.30	58.39	57.01	55.79	54.59	53.92	53.76	54.24	55.90	
TEMPERATURE OF THE BIFILAR MAGNET.													
JANUARY.	1	66.0	66.8	67.0	67.8	68.0	68.6	68.7	67.9	67.0	66.8	66.9	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	66.0	66.6	66.8	66.9	67.0	66.9	66.8	66.0	65.9	65.6	65.3	65.0
	4	65.0	65.5	65.7	66.0	66.0	66.1	66.0	65.8	65.3	65.1	65.1	65.1
	5	65.4	66.0	66.7	67.0	67.6	68.0	67.9	66.9	66.5	66.1	65.9	66.0
	6	65.3	65.9	66.0	66.4	66.8	66.8	66.9	65.9	65.9	65.9	65.7	65.2
	7	65.1	65.5	65.9	66.0	66.0	66.0	66.0	65.3	65.0	65.0	64.9	64.6
	8	64.0	64.1	64.7	65.0	65.3	65.5	65.5	65.0	65.0	64.9	64.9	—
	9	—	—	—	—	—	—	—	—	—	—	—	65.0
	10	65.4	65.9	66.4	66.9	67.0	67.1	67.1	66.5	66.0	66.0	65.9	65.9
	11	65.5	66.0	66.7	67.7	68.2	68.2	68.1	67.5	66.9	66.7	66.4	65.9
	12	66.1	66.9	67.8	68.0	68.3	68.7	69.0	68.0	67.0	67.0	66.8	66.0
	13	65.9	66.6	67.1	68.1	68.4	68.6	68.2	67.7	67.0	67.0	67.0	66.8
	14	66.4	67.1	67.6	67.9	68.4	68.6	68.1	67.5	67.7	67.6	67.3	67.1
	15	66.6	67.0	67.5	67.8	68.0	68.1	68.7	68.2	67.8	67.4	67.0	—
	16	—	—	—	—	—	—	—	—	—	—	—	65.7
	17	66.6	67.4	68.0	67.9	68.0	68.3	68.9	68.1	68.0	67.7	67.2	67.0
	18	67.0	67.2	67.7	68.0	68.5	68.5	68.4	68.0	67.7	67.5	67.5	67.5
	19	67.3	67.7	67.9	68.0	68.2	68.1	68.1	67.7	67.5	67.5	67.4	67.2
	20	66.9	67.0	67.0	67.6	67.4	67.2	67.3	67.2	67.2	66.9	66.8	66.7
	21	66.0	66.7	67.0	67.1	67.7	67.9	68.0	67.1	67.0	66.9	66.6	66.0
	22	66.8	67.2	67.8	68.0	68.3	68.6	68.3	67.9	67.4	67.0	67.0	—
	23	—	—	—	—	—	—	—	—	—	—	—	67.0
	24	67.3	68.0	69.0	70.0	70.6	70.9	71.0	70.0	69.2	68.9	68.8	68.2
	25	68.1	68.8	69.5	70.1	70.8	71.4	71.6	71.0	70.2	69.8	69.7	69.0
	26	68.9	69.1	69.9	70.6	70.9	71.0	71.2	70.7	69.8	69.8	69.4	69.0
	27	69.4	69.8	70.7	70.8	70.9	70.9 <sup>d</sup>	70.7	69.9	69.4	69.4	69.4	68.9
	28	68.8	69.1	69.6	70.2	70.2	70.2	70.2	69.6	69.1	68.9	68.8	68.9
	29	68.7	69.1	69.3	70.0	70.7	70.9	71.0	70.6	70.0	69.7	69.6	—
	30	—	—	—	—	—	—	—	—	—	—	—	68.7
	31	70.7	70.9	71.2	71.5	71.9	72.0	72.2	71.9	71.0	70.8	70.4	70.0
Hourly Means	66.74	67.23	67.71	68.13	68.43	68.58	68.61	68.00	67.56	67.38	67.22	66.86	

\* Omitted in the means, temperature not recorded.

<sup>b</sup> Four minutes late.<sup>c</sup> Two and a-half minutes late.<sup>d</sup> Six minutes late.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JANUARY.	1	—	—	—	—	—	—	—	—	—	51.41	
	2	55.0	55.0	55.8	55.0	54.9 <sup>a</sup>	54.1	54.3 <sup>a</sup>	55.1	57.5	60.6	56.66
	3	54.0	54.9	56.1	56.1	56.6	56.8	57.7	58.6	63.0	67.0	59.57
	4	56.5	57.0	57.9	58.9	59.0	59.3	58.9	59.8	61.7	64.2	57.58
	5	56.4	56.8	57.9	56.8	56.8	56.0	55.4	55.3	54.5	57.2	57.39
	6	57.2	58.8	58.6	57.9	57.5	57.0	57.0	56.6	57.7	60.3	58.06
	7	57.0	56.9	58.5	58.3	58.2	58.2	59.0	60.0	64.1	68.0	60.98
	8	—	—	—	—	—	—	—	—	—	—	60.52
	9	58.2	58.4	58.9	60.5	60.9	61.2	61.9	62.5	64.6	67.2	57.40
	10	58.9	58.2	60.0	61.0	62.3	62.8	62.0	63.9	64.2	65.5	57.58
	11	56.2	56.2	56.0	56.9	57.2 <sup>b</sup>	56.8	57.1	57.0	56.2	59.0	58.06
	12	56.0	56.1	56.5	57.8	58.9	60.2	61.2	62.4	65.4	66.9	60.02
	13	56.6	56.6	56.4	57.0	57.8	58.0	58.6	59.6	62.0	65.0	60.92
	14	56.9	57.0	58.3	—	—	60.5	—	63.5	67.9	71.9	60.59
	15	—	—	—	—	—	—	—	—	—	—	56.43
	16	57.0	57.0	58.1	58.0	59.8	60.0	62.0	64.9	67.7	68.8	56.73
	17	57.0	58.9	59.1	61.0	58.8	67.0	67.3 <sup>a</sup>	64.0	63.3	66.2	58.42
	18	56.6	56.0	53.8 <sup>a</sup>	54.7	55.1	56.1	56.9	58.8	61.3	63.7	58.05
	19	54.8	54.5	55.1	55.1	56.4 <sup>a</sup>	57.1	57.1 <sup>a</sup>	57.9	59.5	60.9	57.47
	20	56.2	56.8	58.2	58.5	59.0	59.5	60.6	60.0	61.5	63.0	56.46
	21	54.5	55.5	57.6 <sup>a</sup>	58.1	58.9	59.8	60.0	59.9	60.4	60.8	55.52
	22	—	—	—	—	—	—	—	—	—	—	56.22
	23	54.6	55.6	55.1	57.0	57.0	56.8	56.2	56.4	59.5	61.3	55.75
	24	55.8 <sup>a</sup>	56.0	57.1	56.2	55.8	55.7	56.5	57.8	59.3	62.8	58.50
	25	54.0	53.9	54.0	54.2	54.2 <sup>a</sup>	54.8	54.2	55.2	56.8	57.2	57.76
	26	56.1	55.8	56.4	56.8	57.0	57.9	58.7	59.1	61.0	63.1	57.60
	27	52.9	54.1	55.8	53.8	53.8	54.5	56.0	54.8	56.8	60.5	57.60
	28	56.9	57.1	—	—	—	59.9	—	58.6	60.6	59.8	57.60
	29	—	—	—	—	—	—	—	—	—	—	57.60
	30	56.9	57.0	57.5	58.2	58.8	59.0	60.5	61.9	64.1	65.2	57.60
	31	58.1	59.5	59.0	58.9	58.0	59.8	59.9	61.0	61.3	62.1	57.60
Hourly Means	56.18	56.52	57.23	57.36	57.79	58.42	58.59	59.41	61.20	63.39		

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	—	—	—	—	—	—	—	—	—	66.70	
	2	65.9	65.9	65.7	65.7	—	65.7	—	65.5	65.6	65.8	65.72
	3	65.0	65.0	65.0	65.1	65.1	65.0	65.0	65.0	64.8	65.0	65.28
	4	65.1	64.9	64.9	64.9	64.8	64.8	64.8	64.8	64.8	64.9	66.14
	5	65.9	65.7	65.0	65.0	65.1	65.1	65.1	65.1	65.0	65.1	65.63
	6	65.0	65.1	65.0	65.0	64.9	64.9	64.9	64.9	64.9	64.9	65.00
	7	64.5	64.6	64.5	64.2	64.2	64.1	64.2	64.1	64.0	64.0	64.91
	8	—	—	—	—	—	—	—	—	—	—	65.87
	9	65.0	65.0	64.9	64.9	64.8	64.8	64.7	64.6	64.8	64.9	66.38
	10	65.4	65.4	65.0	65.0	65.0	65.0	65.0	65.0	64.9	65.1	66.80
	11	65.7	65.6	65.5	65.1	65.1 <sup>b</sup>	65.1	65.2	65.2	65.2	65.2	66.94
	12	66.0	65.9	65.8	65.7	65.7	65.6	65.5	65.4	65.3	65.7	67.12
	13	66.7	66.6	66.5	66.3	66.1	66.1	66.0	66.0	66.0	66.0	66.81
	14	66.9	66.9	66.5	—	—	66.0	—	—	—	—	67.39
	15	—	—	—	—	—	—	—	—	—	—	67.57
	16	66.0	65.8	65.4	65.4	65.4	65.4	65.4	65.3	65.6	66.0	67.42
	17	67.0	66.9	66.9	66.9	66.9	66.7	66.7	66.6	66.4	66.8	66.62
	18	67.3	67.1	—	66.9	67.0	66.9	66.9	67.0	67.0	67.1	66.67
	19	67.0	67.0	66.9	66.9	—	67.0	—	67.0	66.8	66.8	67.34
	20	66.4	66.2	65.7	65.7	65.7	65.7	65.5	65.2	65.4	65.8	68.72
	21	66.0	66.0	—	66.0	66.0	65.9	65.9	65.9	66.1	66.5	69.49
	22	—	—	—	—	—	—	—	—	—	—	69.56
	23	67.0	67.0	66.9	66.8	66.8	66.9	66.9	66.8	66.8	67.0	69.41
	24	—	67.9	67.7	67.7	67.6	67.6	67.5	67.4	67.4	67.7	69.05
	25	68.9	68.7	68.6	68.3	68.4 <sup>c</sup>	68.4	68.6	68.6	68.3	68.8	69.29
	26	69.0	68.8	68.7	68.8	68.8	68.7	68.6	68.6	68.7	68.9	70.57
	27	68.9	68.8	68.7	68.6	68.3	68.1	68.1	68.0	68.0	68.3	
	28	68.8	68.6	—	—	—	67.9	—	67.9	67.9	68.0	
	29	—	—	—	—	—	—	—	—	—	—	
	30	68.4	68.4	68.0	68.1	68.1	68.1	68.1	68.2	68.4	69.0	
	31	70.0	69.9	69.1	69.2	69.2	69.2	69.2	69.1	69.4	69.3	
Hourly Means	66.71	66.68	66.39	66.34	66.32	66.33	66.24	66.28	66.29	66.51		



HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah' = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
	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	64.0	61.4	56.4	51.3	48.8	49.6	51.3	53.0	53.9	53.9	53.0	55.2
	2	59.1	55.5	56.0	55.9	53.0	51.0	51.1	50.0	50.2	51.0	51.1	51.8
	3	60.0	60.2	59.1	58.0	56.0	55.9	55.0	52.9	52.6	52.2	54.0	54.2
	4	63.0	63.3	63.9	61.8	61.2	60.0	58.1	55.2	53.8	55.0	54.0	54.9
	5	59.8	59.1	58.9	58.9	58.6	57.9 <sup>b</sup>	58.0	56.0	55.1	55.0	55.9	—
	6	—	—	—	—	—	—	—	—	—	—	—	55.7
	7	58.0	58.1	54.5	50.8 <sup>c</sup>	49.5	52.0	51.8	51.0	55.0	56.0	56.8	52.8
	8	57.9	58.4	59.0	58.2	55.6	55.0	53.9	53.4	52.8	53.0	52.8	53.0
	9	60.0	60.0	59.8	59.0	57.9	57.0	55.4	54.5	55.0	54.5	54.8	55.5
	10	61.9	61.2	62.1	60.0	59.0	57.9	56.2	56.0	56.0	56.0	56.1	56.0
	11	63.3	62.3	60.3	58.0	56.9	56.0	54.9	50.5	46.6	48.1	49.1	50.2
	12	57.0	56.0	56.1	54.1	53.9	53.1	52.1	52.1	51.8	53.0	54.4	—
	13	—	—	—	—	—	—	—	—	—	—	—	57.5
	14	63.0	64.4	63.0	63.0	62.0	60.9	60.0	52.4	50.5	53.1	53.2	53.9
	15	63.6	64.0	62.9	60.9	59.1	57.1	55.0	57.0	56.6	55.9	54.0	56.0
	16	67.0	68.6	66.8	64.9	61.5	58.9	57.0	57.8	56.0	56.3	58.4	52.0
	17	59.0	59.0	57.9	55.2	54.8	51.0	46.9	52.4	53.0	52.4	53.2	55.2
	18	62.0	60.7	57.1	53.2	53.0	48.5	47.8	49.2	45.5	48.5	51.5	53.0
	19	59.0	57.3	54.5	50.6	50.2	49.6	50.0	53.6	52.6	55.2	57.0	—
	20	—	—	—	—	—	—	—	—	—	—	—	58.0
	21	60.1	60.5	60.0	59.0	57.0	53.8	53.6	53.9	53.0	53.0	54.6	54.9
	22	59.1	59.0	58.3	58.0	56.3	55.2	54.9	55.2	54.4	54.3	54.0	55.1
	23	61.3	60.9	59.8	58.8	58.1	57.0	55.5	54.5	54.0	54.5	55.2	54.1
	24	60.9	59.0	55.8	53.6	50.0	48.0	40.0	25.9	21.1	20.9	26.9	37.9
	25	58.2	55.8	54.3	53.0	50.0	48.5	50.2	47.8	50.6	51.5	52.0	52.1
	26	61.0	60.0	57.9	55.8	53.2	51.7	50.6	51.0	50.3	50.3	51.0	—
	27	—	—	—	—	—	—	—	—	—	—	—	56.0
	28	66.0	64.9	61.0	59.0	57.5	55.0	55.0	54.8	55.2	56.3	57.1	57.2
Hourly Means <sup>d</sup>	61.01	60.46	59.11	57.28	55.79	54.30	53.66	53.23	52.80	53.43	54.05	54.53	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	69.7	70.0	70.5	70.8	71.3	71.5	71.4	70.9	70.7	70.2	70.0	69.9
	2	70.0	70.7	71.2	71.3	71.7	71.7	71.4	70.7	70.0	70.0	69.9	69.8
	3	69.0	69.1	69.4	69.8	70.0	70.0	70.0	69.6	69.7	69.3	69.4	69.2
	4	68.1	68.3	68.9	69.0	68.7	68.6	68.7	68.1	68.0	68.0	68.0	67.7
	5	67.4	67.5	67.7	68.0	68.0	—	68.5	68.0	67.9	67.9	67.9	—
	6	—	—	—	—	—	—	—	—	—	—	—	67.9
	7	67.5	67.9	68.6	70.3 <sup>c</sup>	70.1	70.6	70.5	69.7	69.4	70.2	69.0	68.8
	8	68.8	69.1	69.9	70.1	70.1	70.1	70.0	69.4	69.0	69.4	68.7	68.1
	9	68.1	68.5	68.6	68.4	68.5	68.7	68.9	68.4	68.7	68.6	68.3	67.9
	10	68.0	68.4	68.9	69.2	69.3	69.6	69.6	69.0	68.9	68.9	68.9	68.9
	11	68.6	68.7	69.0	69.3	70.0	70.0	69.8	69.0	69.0	69.0	69.0	68.9
	12	68.0	68.1	68.8	68.9	69.0	69.0	69.0	68.9	68.9	68.8	68.4	—
	13	—	—	—	—	—	—	—	—	—	—	—	68.0
	14	67.5	67.9	68.2	68.4	69.0	69.2	69.4	68.8	68.1	68.1	68.0	67.7
	15	67.4	67.8	67.9	68.2	68.3	68.3	68.2	67.9	67.8	67.9	67.9	67.8
	16	67.7	67.8	67.9	68.0	68.0	68.0	67.8	67.8	67.9	67.9	67.9	67.8
	17	67.0	67.0	67.0	67.5	67.7	67.8	67.9	67.9	68.0	67.8	67.6	67.0
	18	67.0	67.0	67.5	68.0	68.2	68.3	68.5	67.9	67.3	67.0	67.1	66.9
	19	67.1	67.8	68.1	68.8	69.2	69.4	69.6	68.8	68.0	68.0	67.9	—
	20	—	—	—	—	—	—	—	—	—	—	—	67.6
	21	68.4	68.0	68.9	69.6	70.0	70.3	70.7	69.7	69.1	68.9	68.8	68.7
	22	68.4	68.7	69.0	69.6	70.0	70.2	70.1	69.8	69.4	69.4	69.0	68.7
	23	69.0	69.9	70.8	71.0	71.2	71.2	71.6	71.0	70.0	70.0	70.0	69.4
	24	69.6	70.0	70.8	71.0	71.1	71.3	71.6	71.7	70.9	70.7	70.3	70.4
	25	70.0	70.8	71.4	72.0	72.5	72.5	72.2	71.4	71.0	70.9	70.7	70.0
	26	69.8	70.0	70.8	71.2	71.4	71.6	71.7	71.0	70.4	—	70.2	—
	27	—	—	—	—	—	—	—	—	—	—	—	69.0
	28	69.2	70.0	71.0	72.1	72.5	72.6	72.3	72.0	70.9	70.5	69.9	69.1
Hourly Means <sup>d</sup>	68.33	68.65	69.13	69.54	69.77	69.96	69.90	69.38	69.05	68.94	68.80	68.47	

<sup>a</sup> Seven minutes late.<sup>b</sup> Omitted in the means, temperature not recorded.<sup>c</sup> One and a-half minute late.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
FEBRUARY.	1	53.4	56.0	53.1 <sup>a</sup>	53.3	54.2	55.8	57.7	57.9	60.0	61.5	55.04
	2	52.0	52.8	53.2	53.0	53.9	54.5	55.1	56.0	56.3	58.3	53.26
	3	54.1	55.1	55.9	56.1	56.9	56.8	56.9	57.0	58.0	60.0	55.80
	4	55.0	55.1	55.9	56.0	56.0	56.0	56.0	56.0	57.0	58.9	57.34
	5	—	—	—	—	—	—	—	—	—	—	—
	6	52.8	54.5	55.3	55.8	56.1	57.0	57.6	57.2	57.2	56.1	56.83
	7	52.2	53.0	54.8	55.9	56.5	57.5	57.5	57.5	59.5	59.0	54.52
	8	53.1	54.0	55.0	56.0	57.0	58.0	58.5	59.0	59.3	60.9	55.39
	9	55.9	56.0	56.2	56.2	56.8	57.0	57.3	57.2	59.9	62.0	56.83
	10	55.1	55.2	56.3	56.0	56.7	57.7	59.5	60.0	62.0	63.1	57.87
	11	50.8	51.9	53.5	54.2	53.0	51.2	52.1	54.0	54.3	56.9	53.56
	12	—	—	—	—	—	—	—	—	—	—	—
	13	57.9	58.1	59.1	59.6	59.9	59.9	60.3	60.9	62.5	62.3	56.21
	14	55.2	55.0	55.6	56.0	56.1	57.0	57.2	58.9	60.1	62.6	57.14
	15	56.3	56.4	57.3	—	—	—	—	—	64.9	65.4	58.44
	16	49.3	50.1	52.3	53.9	54.8	55.6	56.5	58.2	60.0	59.1	57.87
	17	55.2	55.4	57.6	57.5	57.9	59.0	59.5	59.9	60.0	59.9	55.37
	18	54.1	53.9	55.1	54.8	54.7	55.2	56.1	55.6	55.9	57.9	53.27
	19	—	—	—	—	—	—	—	—	—	—	—
	20	54.8	54.9	54.2	55.2	55.4	55.7	56.2	57.7	59.0	59.6	54.89
	21	54.8	55.7	56.0	55.8	55.8	56.2	57.0	57.8	59.1	60.6	56.17
	22	55.7	55.2	55.5	55.6	56.3	57.0	57.6	58.4	59.8	61.1	56.23
	23	53.1	56.1	55.5	56.0	56.6	57.3	58.2	58.5	62.9	64.1	57.02
	24	39.4	41.0	44.5	45.9	46.4	48.0	49.2	50.1	53.0	56.8	—
	25	53.9	52.0	52.3	53.0	53.0 <sup>b</sup>	53.8	54.8 <sup>b</sup>	57.4	59.0	60.9	52.69
	26	—	—	—	—	—	—	—	—	—	—	—
	27	60.2	61.0	58.9	57.5	58.2	58.5	59.9	60.5	63.1	64.3	56.04
	28	56.0	54.5	56.8	54.9	55.0	55.5	56.4	57.0	60.0	62.0	57.55
Hourly Means <sup>d</sup>		54.39	54.86	55.45	55.56	56.09	56.46	57.29	57.84	59.56	60.72	
TEMPERATURE OF THE BIPOLAR MAGNET.												
		°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	69.8	69.6	69.0 <sup>a</sup>	69.7	69.7	69.5	69.5	69.1	69.4	69.7	70.16
	2	69.8	69.8	69.0	69.0	69.0	69.0	69.0	68.9	68.8	68.6	70.16
	3	69.0	69.0	68.4	68.1	68.1	68.2	68.2	68.0	68.1	68.2	69.17
	4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.6	67.4	68.07
	5	—	—	—	—	—	—	—	—	—	—	—
	6	67.6	67.9	67.6	67.6	67.6	67.5	67.4	67.2	67.3	67.3	67.80
	7	68.7	68.5	68.0	68.0	67.9	67.9	67.9	67.9	67.9	68.0	68.82
	8	68.1	68.0	67.9	67.9	67.9	67.9	67.9	67.8	67.8	67.9	68.80
	9	67.9	67.9	67.9	67.8	67.8	67.8	67.5	67.5	67.2	67.8	68.18
	10	68.8	68.5	68.1	68.2	68.1	68.0	68.0	68.0	68.0	68.1	68.68
	11	68.8	68.5	68.1	68.0	68.0	68.0	68.0	68.0	67.8	67.9	68.81
	12	—	—	—	—	—	—	—	—	—	—	—
	13	68.0	68.0	67.6	67.7	67.8	67.8	67.7	67.6	67.3	67.4	68.31
	14	67.9	67.8	67.8	67.8	67.8	67.7	67.7	67.4	67.0	67.1	68.08
	15	67.9	67.7	67.9	—	—	—	—	—	67.4	67.4	67.84
	16	67.7	67.8	67.2	67.5	67.5	67.5	67.5	67.3	67.0	67.0	67.69
	17	67.0	67.0	66.9	67.0	67.0	67.0	67.0	66.9	67.0	66.9	67.33
	18	66.9	66.9	66.9	66.9	66.8	66.6	66.6	66.6	66.4	66.8	67.27
	19	—	—	—	—	—	—	—	—	—	—	—
	20	67.6	67.6	67.2	67.1	67.1	67.1	67.2	67.2	67.0	67.3	67.93
	21	68.5	68.3	68.0	68.0	67.9	68.0	67.9	67.9	67.9	68.0	68.87
	22	68.6	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.5	68.6	69.04
	23	69.3	69.1	69.6	69.2	69.1	69.0	68.9	68.8	68.7	68.9	69.95
	24	70.0	69.9	69.7	69.5	69.5	69.3	69.0	69.0	69.0	69.2	—
	25	69.9	69.9	70.0	69.9	—	69.9	—	69.8	69.6	69.6	70.72
	26	—	—	—	—	—	—	—	—	—	—	—
	27	68.9	68.7	68.2	68.0	68.0	68.0	68.0	68.0	68.3	68.9	69.79
	28	69.0	69.0	69.1	68.4	68.4	68.4	68.2	68.2	68.9	69.4	70.19
Hourly Means <sup>d</sup>		68.41	68.32	68.12	68.10	67.99	68.05	67.93	67.94	67.87	68.01	

<sup>d</sup> The observations of the 24th are omitted in the means, in consequence of excessive disturbance.

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
	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	64.2	66.0	61.1	54.0	52.1	53.0	52.3	52.4	49.0	50.9	50.9	52.1 <sup>a</sup>
	2	64.8	61.2	58.0	56.9	52.5	52.9	51.2	50.6	50.0	50.0	50.0	51.8
	3	58.1	58.1	57.1	54.8	52.8	51.8	51.3	51.0	50.1	50.9	50.9	52.3
	4	58.6	59.0	58.6	58.1	56.0	53.3	51.9	51.0	51.1	50.1	49.7	52.5
	5	57.0	56.0	55.2	54.2	52.1	48.9	46.8	50.5	48.5	48.0	48.0	—
	6	—	—	—	—	—	—	—	—	—	—	—	53.0
	7	60.5	60.0	59.7	59.0	57.1	56.0	55.0	51.9	51.0	51.9	52.6	54.0
	8	63.0	62.0	59.0	57.5	55.0	53.6	53.2	53.8	53.2	53.9	52.9	53.6
	9	65.0	63.5	60.9	59.1	58.0	54.6	54.0	52.1	53.1	52.9	54.2	55.0
	10	64.8	64.0	62.4	60.6	59.2	58.6	57.3	55.7	55.0	55.2	56.2	56.9
	11	60.9	67.3	64.9	62.6	60.9	58.9	56.1	54.2	55.0	55.0	55.7	57.6
	12	67.9	66.3	64.1	61.9	59.7	58.8	57.5	55.2	56.8	56.9	57.9	—
	13	—	—	—	—	—	—	—	—	—	—	—	57.2
	14	63.8	63.0	62.2	61.0	60.1	60.0	59.2	59.0	58.4	58.6	58.2	58.5
	15	69.0	69.1	69.9	66.4	63.8	61.1	59.0	55.0	46.0	46.1	48.0	53.0
	16	70.1	70.0	70.1	69.2	63.6	56.3	54.7	42.2	37.5	45.0	46.1	49.9
	17	58.1	57.6	57.8	56.5	56.0	54.1	52.5	51.0	51.0	50.3	50.2	51.3
	18	60.7	60.4	59.9	58.0	57.0	56.0	55.0	52.9	52.8	53.1	53.9	54.0
	19	60.0	57.8	53.6	52.6	51.2	50.0	47.5	45.4	44.0	47.1	47.0	—
	20	—	—	—	—	—	—	—	—	—	—	—	53.0
	21	64.3	64.4	63.2	61.3	59.6	57.0	55.8	53.0	54.5	53.9	53.1	55.4
	22	66.3	66.9	65.1	64.0	61.9	58.8	56.5	54.0	53.6	54.1	55.9	56.2
	23	66.1	66.8	64.8	62.2	62.8	61.5	60.0	57.5	48.3	51.2	51.1	52.0
	24	59.0	60.0	61.0	61.0	59.2	56.0	55.0	50.1	53.2	52.2	52.1	56.0
	25	63.0	62.8	61.8	59.9	55.2	56.0	55.0	52.7	52.9	53.8	54.1	56.0
	26	67.5	66.0	64.5	61.9	59.0	57.1	55.9	54.9	55.9	55.3	55.0	—
	27	—	—	—	—	—	—	—	—	—	—	—	57.0
	28	59.0	58.8	57.4	54.5	52.1	52.7	51.8	53.0	52.4	54.0	55.4	57.1
	29	68.0	64.9	65.0	61.0	57.0	54.5	51.5	47.5	51.9	51.3	52.7	55.0
	30	62.3	61.0	57.6	57.0	55.1	53.2	52.4	49.2	51.4	53.8	53.2	53.0
	31	61.9	61.3	60.9	58.0	57.0	55.1	56.0	52.9	51.2	52.0	53.0	53.8
Hourly Means	63.11	62.75	61.32	59.38	57.26	55.55	54.24	52.17	51.40	52.13	52.52	54.34	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	70.1	71.4	72.4	73.7	73.9	74.0	74.0	73.3	72.0	71.9	71.5	70.9
	2	71.4	72.5	73.5	74.0	74.3	74.2	74.2	73.1	72.3	72.0	71.9	71.4
	3	72.1	73.0	74.0	75.2	76.2	75.8	75.7	74.9	73.9	73.6	73.1	72.8
	4	72.2	73.0	73.6	74.0	74.6	75.0	75.2	74.2	73.2	73.0	72.8	72.6
	5	71.6	71.8	71.9	72.1	72.3	72.2	72.1	72.1	71.1	71.0	71.0	—
	6	—	—	—	—	—	—	—	—	—	—	—	69.9
	7	69.7	70.0	70.1	70.9	71.0	71.0	71.0	70.6	70.1	70.0	70.0	70.0
	8	69.8	70.1	70.7	71.0	71.4	72.0	72.2	71.4	70.9	70.8	70.8	70.5
	9	70.0	70.2	70.3	70.4	70.8	70.9	71.0	70.3	70.3	70.0	70.1	69.9
	10	69.7	69.8	69.9	70.2	70.9	71.0	71.1	70.4	70.0	70.0	69.7	69.5
	11	70.0	70.3	70.7	70.8	71.0	71.4	71.9	71.4	70.1	70.0	69.9	69.7
	12	69.7	70.2	70.8	71.0	70.9	70.9	70.9	70.1	69.8	69.7	69.5	—
	13	—	—	—	—	—	—	—	—	—	—	—	68.9
	14	69.0	69.3	70.0	70.5	70.9	71.0	71.0	70.2	69.8	70.6	69.6	69.0
	15	69.2	69.5	70.1	70.6	71.1	71.4	71.6	71.0	71.0	70.0	69.8	69.5
	16	70.0	70.2	71.0	71.6	72.0	72.1	72.8	72.2	71.1	71.0	70.9	70.3
	17	69.9	70.2	70.7	71.1	72.0	72.5	73.0	72.0	71.0	71.0	70.2	70.0
	18	69.9	70.8	71.6	72.0	72.2	72.6	72.6	71.6	70.9	70.6	70.4	69.7
	19	70.1	70.9	71.2	71.3	71.5	71.8	72.0	71.0	70.5	70.2	70.0	—
	20	—	—	—	—	—	—	—	—	—	—	—	70.1
	21	70.4	71.0	71.5	71.9	71.9	71.9	71.5	70.9	70.1	70.0	70.0	70.0
	22	69.1	69.7	70.0	70.2	70.7	71.0	70.9	70.2	70.0	69.7	69.6	69.0
	23	69.2	69.9	70.3	70.9	71.1	71.2	71.0	70.3	70.0	70.0	70.0	70.0
	24	69.4	69.9	70.0	70.1	70.2	70.3	70.1	70.0	70.2	70.0	69.8	69.0
	25	69.1	69.5	70.0	70.8	71.0	71.3	71.1	70.4	70.0	69.6	69.6	69.0
	26	70.0	70.2	70.8	71.0	71.8	72.0	72.2	71.1	70.2	70.0	69.9	—
	27	—	—	—	—	—	—	—	—	—	—	—	69.9
	28	69.9	70.6	71.1	72.0	72.5	72.2	72.1	70.9	70.5	70.0	69.8	69.8
	29	71.0	71.7	72.2	72.9	72.9	73.0	73.3	72.8	71.9	71.7	71.4	71.0
	30	71.1	71.4	71.8	72.1	72.7	73.1	73.0	72.4	72.0	71.5	71.0	70.7
	31	70.9	71.1	71.9	72.6	73.0	73.1	73.2	72.5	71.1	70.9	70.8	70.6
Hourly Means	70.17	70.67	71.19	71.66	72.03	72.18	72.25	71.53	70.90	70.70	70.48	70.14	

<sup>a</sup> Two and a-half minutes late.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
MARCH.	1	52.1	52.6	54.1	54.9	55.0	56.1	58.5	60.1	63.3	64.4	55.02
	2	52.0	52.8	54.0	53.3	53.5	53.9	54.3	54.4	54.9	56.2	53.71
	3	52.0	52.5	52.2	52.3	54.2	54.8	55.9	57.2	59.0	58.1	53.51
	4	54.8	53.9	55.0	54.5	54.5	55.1	55.6	56.2	57.0	58.3	54.20
	5	—	—	—	—	—	—	—	—	—	—	—
	6	53.0	53.0	53.9	54.9	55.2	55.5	55.8	57.7	59.2	60.5	52.72
	7	54.7	54.1	54.3	56.0	56.0	57.2	59.2	60.9	62.0	63.5	55.78
	8	54.2	55.0	55.8	56.6	57.7	58.9	58.9	60.0	62.5	64.8	56.32
	9	55.8	56.8	57.9	58.0	58.0	59.0	60.1	61.9	63.3	63.9	57.44
	10	57.0	57.1	57.9	58.2	59.0	60.0	61.6	63.0	66.0	68.0	59.04
	11	56.8	57.4	—	57.7	58.2	59.6	60.9	62.0	65.3	67.8	58.87
	12	—	—	—	—	—	—	—	—	—	—	—
	13	56.9	57.9	59.5	58.2	—	61.0	61.8	62.5	63.8	63.3	59.87
	14	59.0	59.5	61.0	61.9	62.1	63.5	63.9	65.7	67.9	69.4	60.94
	15	54.3	55.9	57.2	57.6	58.5	59.6	60.3	61.8	65.5	68.0	58.49
	16	51.9	51.0	53.0	52.0	52.1	52.5	53.2	52.8	55.1	57.8	53.82
	17	52.2	53.0	53.0	53.4	54.4	55.2	55.8	56.5	58.5	60.0	53.97
	18	54.5	55.5	55.1	55.3	55.4	55.2	56.7	58.4	60.0	60.0	56.00
	19	—	—	—	—	—	—	—	—	—	—	—
	20	52.9	53.0	54.1	54.9	55.4	56.0	56.4	57.5	61.0	62.9	52.15
	21	55.0	55.8	56.4	56.3	56.9	57.1	58.8	59.6	62.8	65.1	57.58
	22	57.0	56.2	60.0	61.0	62.0	62.5	63.0	62.7	65.8	66.5	59.50
	23	52.0	51.9	55.0	55.9	55.9	56.2	56.0	57.2	58.2	57.0	56.99
	24	55.2	56.1	56.9	57.6	58.8	58.9	59.0	60.6	61.0	62.5	56.54
	25	55.1	56.1	57.0	57.8	58.8	60.0	61.2	62.8	66.7	68.0	57.54
	26	—	—	—	—	—	—	—	—	—	—	—
	27	56.0	55.0	58.3	58.8	58.0	58.4	59.0	58.4	60.2	59.4	58.47
	28	56.7	57.9	57.2	58.0	58.6	60.0	61.9	63.3	65.6	68.7	56.57
	29	55.0	56.5	57.0	56.0	56.1	56.0	55.8	56.9	59.0	61.0	56.42
	30	55.3	56.2	54.8	55.1	55.9	57.2	58.8	59.0	61.6	62.3	55.33
	31	55.0	54.7	58.4	59.4	59.4	60.9	61.9	62.8	64.6	68.9	57.11
Hourly Means	54.68	55.09	56.11	56.50	56.91	57.79	58.68	59.70	61.84	63.20		

TEMPERATURE OF THE BIFILAR MAGNET.																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Hourly Means
MARCH.	1	70.6	70.4	70.4	70.3	70.3	70.2	70.2	70.2	70.3	70.9	71.62																				
	2	67.4	71.2	70.9	70.9	70.8	70.8	70.9	71.0	71.1	71.6	72.17																				
	3	72.4	72.1	72.0	72.0	72.0	71.9	71.7	71.7	71.8	72.0	73.37																				
	4	72.0	72.0	71.9	71.9	71.9	71.9	71.9	71.8	71.7	71.6	72.99																				
	5	—	—	—	—	—	—	—	—	—	—	—																				
	6	69.9	69.9	69.9	69.8	69.8	69.7	69.7	69.7	69.7	69.1	69.1	70.88																			
	7	69.9	69.8	69.5	69.1	69.1	69.1	69.1	69.0	69.1	69.1	69.5	70.00																			
	8	70.2	70.1	70.1	69.9	70.0	69.9	69.9	69.8	69.7	69.8	69.8	70.62																			
	9	69.8	69.6	69.0	69.0	69.0	69.0	69.0	69.0	69.5	69.6	69.6	69.98																			
	10	69.3	69.1	69.4	69.2	69.2	69.2	69.2	69.2	69.1	69.2	69.5	69.84																			
	11	69.7	69.6	—	69.1	69.0	68.9	69.0	68.9	68.9	69.1	70.30																				
	12	—	—	—	—	—	—	—	—	—	—	—																				
	13	69.9	68.7	68.0	68.0	—	68.0	68.0	68.0	68.1	68.3	69.45																				
	14	69.0	69.0	68.4	68.4	68.4	68.4	68.4	68.2	68.5	68.7	69.48																				
	15	69.1	69.2	69.5	69.3	69.2	69.2	69.1	69.0	69.0	69.2	70.02																				
	16	70.1	70.0	69.9	69.5	69.4	69.4	69.2	69.0	69.3	69.6	70.74																				
	17	69.7	69.7	69.4	69.5	69.5	69.5	69.4	69.2	69.2	69.0	69.1	70.53																			
	18	69.7	69.7	69.8	69.6	69.4	69.4	69.3	69.3	69.3	69.4	70.59																				
	19	—	—	—	—	—	—	—	—	—	—	—																				
	20	70.0	70.0	70.1	70.0	70.0	70.0	70.0	70.0	69.8	70.0	70.52																				
	21	69.9	69.8	69.9	69.7	69.5	69.4	69.2	69.1	69.0	69.0	70.37																				
	22	69.0	68.7	68.7	68.4	68.4	68.4	68.4	68.4	68.6	69.0	69.49																				
	23	70.0	70.0	70.0	69.9	69.9	69.9	69.9	69.8	69.6	69.5	70.14																				
	24	69.0	69.0	68.9	68.9	68.9	68.9	68.9	68.8	68.8	69.0	69.52																				
	25	69.0	69.0	69.1	69.0	69.1	69.1	69.1	69.1	69.1	69.4	69.71																				
	26	—	—	—	—	—	—	—	—	—	—	—																				
	27	69.8	69.7	69.4	69.0	69.1	69.0	69.1	69.1	68.9	69.1	70.24																				
	28	69.6	69.5	69.0	69.0	69.1	69.2	69.0	69.1	69.8	70.1	70.34																				
	29	70.9	70.4	70.6	70.5	70.4	70.4	70.3	70.2	70.4	70.8	71.52																				
	30	70.6	70.4	70.5	70.3	70.2	70.1	70.1	70.1	70.2	70.7	71.32																				
	31	70.4	70.1	69.9	69.8	69.8	69.8	69.8	69.7	69.8	70.0	71.13																				
Hourly Means	69.88	69.88	69.78	69.63	69.67	69.58	69.55	69.49	69.54	69.76																						

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah' = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
	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	69.0	67.8	61.5	57.3	52.3	53.3	53.2	52.0	49.6	51.2	52.3	54.0
	2	61.8	62.1	60.1	58.4	56.7	56.5	56.0	53.5	51.8	50.2	50.5	—
	3	—	—	—	—	—	—	—	—	—	—	—	52.8
	4	59.9	59.7	60.3	59.9	57.9	55.0	53.2	54.0	53.3	53.2	53.2	54.0
	5	63.2	63.5	63.0	60.1	58.4	57.4	57.2	55.6	52.2	54.0	54.1	56.9
	6	61.5	61.0	61.0	59.0	57.6	55.8	55.1	54.1	54.2	54.8	54.8	55.4
	7	64.0	65.0	63.7	61.2	60.1	58.8	57.4	54.5	55.8	55.4	57.9	57.1
	8	65.1	65.0	64.1	63.8	62.7	62.0	59.8	57.1	54.5	54.8	54.0	55.0
	9	66.9	67.3	66.0	64.0	61.5	59.9	58.8	57.4	58.0	57.6	57.0	—
	10	—	—	—	—	—	—	—	—	—	—	—	57.3
	11	56.1	57.9	56.0	56.9	55.0	52.9	51.1	52.1	54.0	53.8	54.9	53.1
	12	60.5	54.2	52.9	53.1	52.1	50.9	50.9	49.0	48.2	51.5	54.0	54.1
	13	52.0	50.6	48.8	46.9	50.4	52.9	50.0	50.4	47.5	51.5	50.0	51.9
	14	62.6	63.0	62.1	58.5	56.5	56.1	54.8	53.9	53.6	53.9	55.0	58.0
	15	48.1	52.9	52.1	47.8	40.8	42.0	42.0	38.9	44.0	43.2	42.0	49.5
	16	51.9	53.7	54.9	53.2	51.9	50.0	48.2	47.0	47.1	49.1	49.2	—
	17	—	—	—	—	—	—	—	—	—	—	—	54.9
	18	61.9	62.0	61.0	60.8	56.0	53.0	52.1	51.9	55.0	54.1	55.0	55.1
	19	59.8	60.1	58.6	56.1	55.9	51.0	51.2	51.1	51.6	52.8	52.4	53.1
	20	62.4	59.4	56.1	56.0	54.3	51.8	50.0	51.3	52.6	53.0	54.0	56.5
	21	58.2	58.0	57.9	54.8	50.0	50.3	50.3	48.8	49.3	51.2	51.9	53.0
	22	63.0	63.8	62.2	59.1	56.0	53.3	52.8	54.1	55.0	54.9	55.4	56.3
	23	61.4	60.8	60.3	58.0	55.2	54.0	54.0	54.9	54.8	55.1	56.0	—
	24	—	—	—	—	—	—	—	—	—	—	—	58.9
	25	66.5	66.0	63.6	61.0	60.0	58.0	57.0	56.8	57.8	57.7	58.8	59.0
	26	71.0	69.6	67.0	64.0	61.1	59.9	58.0	59.1	58.0	57.8	58.3	60.1
	27	67.0	66.6	65.0	63.5	61.7	58.6	56.8	53.4	55.1	55.0	56.0	57.4
	28	67.6	67.9	66.7	63.9	62.0	58.7	56.4	57.5	58.0	58.0	58.0	58.6
	29	68.3	68.5	67.8	67.1	64.9	61.8	58.7	54.9	51.0	53.9	56.0	57.9
	30	67.0	66.0	64.0	62.0	60.0	59.2	58.2	58.9	60.0	60.4	60.0	—
	31	—	—	—	—	—	—	—	—	—	—	—	62.0
Hourly Means	62.18	62.01	60.64	58.71	56.58	55.12	53.97	53.16	53.15	53.77	54.34	55.84	
TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	70.5	70.9	71.5	72.0	72.9	73.4	73.4	72.4	71.7	71.4	71.0	70.9
	2	70.6	71.1	72.0	72.9	73.0	72.8	72.8	72.0	71.1	71.0	70.7	—
	3	—	—	—	—	—	—	—	—	—	—	—	69.9
	4	70.0	70.2	70.9	71.1	71.1	71.0	71.0	70.0	69.9	69.8	69.8	69.1
	5	69.1	69.9	70.2	70.7	70.7	70.8	70.6	69.9	69.2	69.1	69.0	69.0
	6	70.0	71.0	71.3	71.5	71.7	71.8	71.7	70.4	70.0	69.9	69.8	69.5
	7	70.0	70.8	71.2	71.9	72.0	72.5	72.5	71.7	70.7	70.4	70.0	69.8
	8	69.9	70.1	70.4	70.7	70.7	70.6	70.6	69.9	69.3	69.0	69.0	68.8
	9	68.4	69.0	69.8	70.0	70.0	70.0	70.0	69.0	68.4	68.0	67.9	—
	10	—	—	—	—	—	—	—	—	—	—	—	69.9
	11	68.4	68.7	68.9	69.0	69.0	69.0	68.9	68.9	68.8	68.7	67.6	68.4
	12	68.7	69.1	69.7	70.9	70.0	70.0	70.0	69.0	68.9	68.8	68.7	68.2
	13	68.6	69.0	69.2	69.8	70.5	70.2	70.0	69.4	69.0	69.0	68.5	68.0
	14	68.5	68.7	68.9	68.8	68.8	68.8	68.9	68.7	68.2	68.1	68.0	68.6
	15	68.1	68.6	68.8	69.0	69.1	69.1	69.1	68.9	69.0	69.0	69.1	69.0
	16	68.7	69.0	69.6	69.8	70.0	70.1	70.0	69.7	69.1	69.0	68.9	—
	17	—	—	—	—	—	—	—	—	—	—	—	68.4
	18	69.0	69.8	70.2	70.8	71.6	71.6	71.6	70.7	69.5	69.0	68.9	68.7
	19	68.6	69.0	69.1	69.9	70.1	70.3	70.2	69.7	69.0	68.9	68.8	68.6
	20	69.9	69.8	70.7	71.2	71.6	71.9	71.8	70.8	69.8	69.6	69.4	69.1
	21	69.1	69.6	69.9	70.4	70.8	70.9	71.1	71.0	70.3	70.0	70.0	68.9
	22	69.1	69.5	70.0	70.0	70.3	70.5	70.5	70.0	69.0	68.9	68.6	68.1
	23	68.7	69.0	69.9	70.7	71.1	71.4	71.4	70.4	69.7	69.4	69.1	—
	24	—	—	—	—	—	—	—	—	—	—	—	68.1
	25	68.7	69.0	69.8	69.9	70.0	70.5	70.8	70.3	69.8	69.5	69.2	68.8
	26	68.8	69.2	70.0	69.9	70.0	69.8	69.5	68.9	68.5	68.5	68.2	67.9
	27	68.3	68.9	69.6	70.1	70.6	70.8	70.8	70.0	68.9	68.6	68.1	68.0
	28	68.3	69.0	69.1	69.7	69.9	69.9	69.8	68.9	68.4	68.1	68.0	67.9
	29	67.6	68.0	68.1	68.6	69.0	68.9	68.7	67.9	67.7	67.6	67.3	67.0
	30	66.8	67.4	67.9	68.0	68.0	68.1	68.3	67.7	67.1	67.0	67.0	—
	31	—	—	—	—	—	—	—	—	—	—	—	66.1
Hourly Means	68.94	69.40	69.87	70.28	70.48	70.56	70.54	69.85	69.27	69.09	68.87	68.64	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
APRIL.	1	53.8	54.0	55.1	55.8	55.7	56.4	58.2	59.4	60.0	61.1	55.78
	2	—	—	—	—	—	—	—	—	—	—	55.57
	3	53.5	53.3	55.1	57.0	57.2	57.1	57.1	58.0	58.1	59.8	
	4	54.8	57.0	58.0	58.3	59.0	60.9	60.1	60.8	61.8	62.2	56.96
	5	55.8	56.0	58.9	58.0	57.9	58.0	57.9	58.7	59.7	60.2	57.77
	6	56.1	56.2	57.5	58.1	59.0	59.3	59.1	59.7	61.0	62.4	57.49
	7	57.8	58.0	58.9	60.0	60.4	61.0	62.0	62.7	64.0	64.9	59.37
	8	57.0	58.0	59.1	59.7	60.3	60.5	61.0	61.2	63.0	64.6	59.41
	9	—	—	—	—	—	—	—	—	—	—	58.74
	10	55.5	54.8	54.9	57.1	56.3	56.2	57.0	57.1	56.1	55.1	
	11	55.8	56.6	55.9	56.0	55.0	55.0	55.1	55.2	57.0	58.8	54.73
	12	55.0 <sup>n</sup>	55.0	57.5	59.4	59.4	56.8	56.8	54.0	55.4	55.3	53.86
	13	52.8	53.2	55.0	56.5	56.8	57.4	57.2	57.8	60.0	61.3	52.22
	14	58.0	59.2	54.8	43.2	46.2	42.9	45.0	44.2	43.0	40.5	54.70
	15	49.4	48.6	48.4	48.7	49.0	49.2	49.3	48.0	45.8	48.5	45.78
	16	—	—	—	—	—	—	—	—	—	—	53.06
	17	54.0	56.0	54.2	57.4	57.7	59.4	60.0	61.0	62.0	62.6	
	18	56.1	56.7	55.4	55.9	56.9	57.1	57.0	57.9	58.9	58.1	56.34
	19	53.0	53.8	56.2	55.8	56.1	56.5	56.3	57.7	58.9	60.5	54.92
	20	55.3	51.9	54.7	54.4	55.7 <sup>n</sup>	54.2	55.1 <sup>n</sup>	57.0	60.1	61.0	54.84
	21	54.1	54.4	55.0	55.1	55.6	56.4	57.3	58.3	60.6	61.2	53.82
	22	56.4	56.3	—	56.9	57.0	57.5	57.8	58.7	59.8	61.0	57.13
	23	—	—	—	—	—	—	—	—	—	—	58.07
	24	58.7	58.9	59.1	59.1	59.1	59.8	60.3	61.2	63.5	64.7	
	25	60.0	59.1	59.3	60.0	60.0	60.1	63.0	65.0	68.1	68.8	60.51
	26	60.0	60.5	—	63.0	62.5	63.6	64.4	65.9	68.8	68.5	62.32
	27	58.7	58.9	60.0	60.0	60.6	61.4	62.3	63.0	65.8	67.2	59.87
	28	59.3	59.7	59.1	59.0	59.6	60.2	60.5	61.8	64.1	66.9	60.66
	29	58.2	59.0	60.5	61.2	61.0	61.3	62.2	63.6	65.0	65.0	60.44
	30	—	—	—	—	—	—	—	—	—	—	62.28
	31	62.0	62.8	63.1	63.8	64.0	63.6	63.8	65.0	67.8	68.6	
Hourly Means	56.24	56.46	56.90	57.28	57.69	57.76	58.32	59.01	60.31	61.05		
TEMPERATURE OF THE BIFILAR MAGNET.												
APRIL.	1	70.7	70.5	70.4	70.1	69.9	69.9	69.9	69.8	69.8	70.0	71.24
	2	—	—	—	—	—	—	—	—	—	—	70.79
	3	69.9	69.8	69.2	69.1	69.1	69.1	69.1	69.1	69.3	69.6	
	4	69.0	69.0	69.0	69.0	69.0	69.0	68.8	68.8	68.7	68.8	69.79
	5	69.0	68.9	68.7	68.9	68.6	68.6	68.6	68.7	69.0	69.3	69.41
	6	69.4	69.4	69.1	69.0	69.0	69.0	69.0	69.0	69.1	69.6	70.08
	7	69.7	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	70.35
	8	68.4	68.1	68.4	68.3	68.3	68.1	68.0	67.9	68.0	68.0	69.27
	9	—	—	—	—	—	—	—	—	—	—	69.02
	10	68.9	68.8	68.9	68.7	68.7	68.7	68.7	68.7	68.4	68.4	
	11	68.1	68.1	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.42
	12	—	68.0	67.9	67.9	67.9	67.8	67.9	67.8	67.8	68.1	68.72
	13	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.77
	14	68.3	68.2	68.0	68.0	68.0	68.1	68.1	68.1	68.0	68.0	68.41
	15	68.9	68.9	68.5	68.4	68.4	68.4	68.4	68.2	68.0	68.3	68.74
	16	—	—	—	—	—	—	—	—	—	—	68.83
	17	68.2	68.0	67.9	67.9	67.9	67.8	67.8	67.8	67.9	68.2	
	18	68.7	68.6	68.4	68.2	68.2	68.2	68.2	68.3	68.0	68.1	69.45
	19	68.5	68.4	68.4	68.2	68.0	68.0	67.9	67.9	68.0	68.5	68.91
	20	69.0	69.0	69.0	69.0	—	68.9	—	68.8	68.7	69.0	69.89
	21	68.8	68.5	68.5	68.4	68.2	68.0	68.0	67.9	68.2	68.8	69.52
	22	68.0	68.0	—	67.9	67.8	67.6	67.6	67.6	67.9	68.1	69.01
	23	—	—	—	—	—	—	—	—	—	—	69.20
	24	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	
	25	68.7	68.5	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.3	69.17
	26	67.9	67.8	—	67.5	67.4	67.4	67.3	67.3	67.5	67.8	68.59
	27	67.8	67.8	67.7	67.6	67.6	67.5	67.5	67.6	67.6	67.9	68.74
	28	67.7	67.7	67.6	67.3	67.3	67.3	67.2	67.3	67.3	67.4	68.35
	29	67.0	66.7	66.5	66.4	66.4	66.4	66.4	66.4	66.2	66.7	67.42
	30	—	—	—	—	—	—	—	—	—	—	66.89
	31	66.0	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.0	66.1	
Hourly Means	68.50	68.38	68.29	68.18	68.10	68.11	68.04	68.08	68.10	68.33		

\* Omitted in the means ; temperature not recorded.

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	8h.	10h.	11h.	12h.	14h.	
MAY.	2	69.0	70.0	68.0	64.3	62.9	61.0	60.0	58.2	58.1	58.8	59.0	59.9
	3	68.1	68.1	65.1	62.0	58.6	57.2	56.1	56.9	57.8	57.9	58.7	59.5
	4	70.6	70.3	68.3	65.5	63.3	62.2	60.9	59.8	58.7	58.6	57.6	58.1
	5	69.9	69.0	67.3	64.9	62.1	61.0	59.7	57.6	58.8	58.8	58.8	59.0
	6	68.4	68.5	70.0	69.1	61.5	55.0	50.5	46.7	46.1	48.9	50.9	54.1
	7	60.0	62.0	58.0	55.9	53.5	53.3	51.2	52.1	55.2	53.8	53.0	—
	8	—	—	—	—	—	—	—	—	—	—	—	55.9
	9	61.4	62.0	59.5	57.2	55.3	54.0	53.8	54.0	54.9	54.1	56.0	55.3
	10	64.9	62.9	61.0	58.9	54.7	54.2	54.5	54.2	52.8	53.9	54.5	56.0
	11	65.3	64.4	63.2	60.4	56.0	55.0	54.7	55.1	56.4	56.6	57.0	57.7
	12	67.0	67.3	66.0	63.6	60.0	58.0	57.0	57.1	57.8	58.0	58.0	58.9
	13	66.6	66.9	66.2	64.9	62.5	60.8	58.1	58.3	57.7	58.9	59.0	58.3
	14	69.2	69.0	67.6	65.8	64.8	61.9	59.4	58.6	60.0	59.8	59.0	—
	15	—	—	—	—	—	—	—	—	—	—	—	57.2
	16	64.0	55.2	49.4	45.8	44.2	46.0	48.5	49.0	51.8	52.1	53.0	54.6
	17	60.0	60.9	59.0	60.0	57.8	51.6	53.0	54.1	54.7	53.9	54.8	56.1
	18	65.2	64.8	61.4	61.0	59.3	58.0	58.0	56.8	56.6	56.2	57.8	57.6
	19	66.1	65.0	62.0	60.0	59.2	57.2	56.0	58.0	58.8	58.9	58.2	—
	20	68.0	66.5	64.0	61.0	60.0	59.5	59.0	60.0	60.0	60.0	60.0	61.0
	21	67.3	66.3	65.0	64.1	60.7	59.8	59.4	59.7	59.6	59.8	60.0	—
	22	—	—	—	—	—	—	—	—	—	—	—	61.7
	23	69.8	68.5	66.9	65.2	63.3	61.4	61.4	60.0	60.8	60.4	60.9	61.6
	24	69.0	68.0	66.9	63.9	62.0	59.9	60.1	60.8	60.5	61.1	61.0	62.0
	25	69.6	69.0	66.8	60.0	62.3	62.4	61.0	60.2	61.0	60.5	61.2	61.3
	26	70.6	69.1	66.1	64.3	62.8	60.8	61.0	60.9	60.1	61.6	61.7	61.0
	27	72.0	71.0	68.8	66.2	64.1	62.7	61.4	60.9	61.1	61.7	60.5	62.0
	28	66.7	68.0	68.7	67.1	65.2	63.4	62.0	61.0	61.3	61.9	61.9	—
	29	—	—	—	—	—	—	—	—	—	—	—	62.1
	30	71.9	71.2	68.9	65.0	62.6	61.0	61.8	61.6	62.0	62.3	62.4	63.1
	31	70.8	70.0	67.9	65.8	64.2	64.2	63.5	62.9	63.2	63.0	62.9	63.0
	Hourly Means	67.36	66.69	64.69	62.38	60.11	58.52	57.77	57.48	57.92	58.13	58.38	59.08
TEMPERATURE OF THE BIFILAR MAGNET.													
MAY.	2	66.7	67.0	67.8	68.3	69.0	69.0	69.0	68.1	67.4	67.1	67.0	66.9
	3	67.4	67.9	68.2	69.0	69.9	70.1	69.9	69.0	68.5	68.2	67.9	67.6
	4	67.8	68.3	69.1	69.7	70.0	70.0	69.8	69.0	68.7	68.7	68.4	68.1
	5	68.4	68.8	68.9	69.1	69.2	69.3	69.4	69.0	68.9	68.7	68.6	68.3
	6	69.4	69.8	70.6	71.3	72.0	72.5	72.7	72.0	71.0	70.9	70.4	70.0
	7	70.7	70.9	70.9	71.0	70.8	70.7	70.5	70.0	69.8	69.7	69.6	—
	8	—	—	—	—	—	—	—	—	—	—	—	69.2
	9	70.0	70.4	70.9	71.2	71.7	71.8	71.7	70.5	69.9	69.7	69.4	69.0
	10	69.1	69.6	69.9	70.6	70.8	70.8	70.8	69.8	69.0	68.8	68.8	68.0
	11	68.8	69.1	70.0	70.1	70.7	70.6	70.1	69.1	68.4	69.1	68.0	67.9
	12	68.3	68.9	69.0	69.0	69.0	69.0	69.0	68.5	68.2	68.0	67.9	67.6
	13	67.8	68.0	68.2	68.9	69.0	69.0	69.0	68.6	68.0	67.8	67.4	67.0
	14	67.4	67.9	68.0	68.8	68.9	68.9	68.9	68.2	67.7	67.4	67.0	—
	15	—	—	—	—	—	—	—	—	—	—	—	66.0
	16	66.7	67.0	67.8	68.0	67.1	68.0	67.9	67.6	66.9	66.8	66.8	66.4
	17	66.2	66.8	67.1	67.6	67.7	67.8	67.8	67.0	66.8	66.7	66.6	66.1
	18	66.6	66.7	66.8	67.0	67.0	67.1	67.2	66.8	66.4	66.2	66.0	66.0
	19	65.7	66.0	66.6	67.2	67.4	67.4	67.0	66.2	66.0	66.0	65.8	—
	20	65.7	66.1	67.0	67.2	67.5	67.4	67.4	66.9	65.9	65.9	65.8	65.7
	21	66.9	67.8	68.1	68.8	69.0	69.0	69.0	68.2	67.6	67.1	67.0	—
	22	—	—	—	—	—	—	—	—	—	—	—	66.1
	23	66.9	67.3	68.0	68.9	69.1	69.2	69.0	68.6	67.6	67.2	67.0	67.0
	24	67.1	67.9	68.4	69.0	69.2	69.0	68.7	67.9	67.5	67.3	67.2	66.9
	25	67.3	67.7	68.0	68.7	68.9	68.9	68.4	67.8	67.0	66.9	66.8	66.8
	26	66.5	67.0	67.2	67.3	67.7	67.7	67.4	66.7	66.5	66.2	66.0	65.9
	27	65.5	65.8	66.2	66.8	66.9	67.0	67.1	66.4	65.9	65.9	65.8	65.5
	28	65.7	66.2	66.8	67.0	67.7	67.8	67.6	67.0	66.6	66.1	66.0	—
	29	—	—	—	—	—	—	—	—	—	—	—	64.0
	30	64.6	65.0	65.2	65.9	66.4	66.7	66.3	65.6	65.0	65.0	64.7	64.1
	31	64.7	65.2	66.0	66.7	66.9	67.0	66.7	65.8	64.9	64.8	64.6	64.7
	Hourly Means	67.23	67.66	68.10	68.58	68.83	68.91	68.78	68.09	67.54	67.39	67.17	66.83

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar. for 1° Fahr. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
MAY.	2	60.8	61.0	61.7	61.8	61.6	61.8	62.4	63.1	65.1	66.8	62.06
	3	59.7	60.2	60.7	61.1	60.9	61.3	61.9	62.8	66.0	69.0	60.75
	4	59.2	60.0	60.5	60.9	60.9	61.1	61.1	62.9	65.4	67.7	62.02
	5	60.2	60.8	61.0	61.9	62.2	63.3	63.6	63.9	65.8	69.2	62.01
	6	55.5	56.0	57.8	57.5	58.0	56.8	57.3	58.1	60.0	61.1	56.57
	7	—	—	—	—	—	—	—	—	—	—	—
	8	56.2	56.6	57.4	57.5	57.3	58.0	59.0	59.1	59.0	60.7	55.82
	9	55.0	55.6	57.0	57.5	57.9	58.5	59.9	60.9	62.5	64.2	56.98
	10	57.0	59.4	57.5	58.2	58.8	58.7	59.6	60.3	61.4	63.0	57.47
	11	57.0	57.3	57.8	58.2	59.1	59.6	61.1	62.2	63.9	65.5	58.67
	12	59.0	59.8	60.4	60.0	60.5	60.6	61.5	62.0	63.8	65.3	60.53
	13	58.7	59.5	60.0	60.5	60.8	61.7	62.0	63.2	65.0	68.1	61.07
	14	—	—	—	—	—	—	—	—	—	—	—
	15	59.0	61.9	63.4	63.5	62.3	63.2	64.2	65.8	69.7	70.4	62.83
	16	56.6	54.7	56.9	57.4	57.5	59.6	60.8	59.1	57.0	65.0	53.56
	17	55.1	55.8	57.9	58.2	59.4	59.8	60.6	61.3	62.7	61.4	57.14
	18	58.8	59.5	60.5	60.5	60.5	61.9	63.0	64.5	66.5	67.9	60.09
	19	59.0	59.0	60.0	60.2	60.8	60.8	61.8	62.8	65.0	67.0	60.28
	20	60.2	60.8	61.3	61.0	61.8	62.4	63.8	65.3	67.5	68.0	62.00
	21	—	—	—	—	—	—	—	—	—	—	—
	22	61.6	61.8	61.3	63.0	63.3	64.0	64.8	64.9	67.0	68.8	62.29
	23	61.5	61.5	62.1	63.0	63.3	63.1	64.0	65.0	68.0	70.0	63.28
	24	62.3	62.8	63.0	63.0	63.0	63.6	63.6	63.9	66.0	68.3	63.14
	25	60.3	61.0	61.5	60.0	62.3	63.0	63.6	63.7	66.1	68.4	62.92
	26	62.0	62.0	63.1	63.4	64.0	64.2	65.9	66.0	68.7	69.8	63.52
	27	62.0	63.1	63.1	62.8	63.1 <sup>a</sup>	63.3	63.8 <sup>a</sup>	63.9	64.3	66.1	63.72
	28	—	—	—	—	—	—	—	—	—	—	—
	29	62.4	63.5	63.0	63.9	64.0	65.0	66.0	66.1	68.9	71.0	64.11
	30	63.1	63.1	64.4	64.2	64.6	64.9	65.4	65.6	69.0	70.1	64.64
	31	63.1	63.6	64.0	65.0	65.5	65.9	66.1	66.9	68.9	70.0	65.07
	Hourly Means	59.43	60.01	60.66	60.93	61.21	61.77	62.52	63.20	65.12	67.03	
TEMPERATURE OF THE BIFILAR MAGNET.												
MAY.	2	66.0	66.7	66.7	66.7	66.7	66.6	66.5	66.4	66.9	66.9	67.36
	3	67.7	67.5	67.4	67.2	67.0	67.0	66.9	66.9	67.0	67.2	68.11
	4	68.0	68.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.55
	5	68.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.6	68.67
	6	70.0	70.0	69.4	69.2	69.2	69.1	69.1	69.1	69.4	70.0	70.50
	7	—	—	—	—	—	—	—	—	—	—	—
	8	69.1	69.0	69.0	69.0	69.0	68.8	68.8	68.8	69.0	69.5	69.77
	9	69.0	68.8	68.1	68.0	68.0	68.0	68.0	68.0	68.4	68.8	69.70
	10	67.9	67.9	67.9	67.7	67.7	67.8	67.7	67.6	67.8	68.1	68.97
	11	67.9	67.8	67.6	67.6	67.4	67.4	67.3	67.3	67.4	67.9	68.60
	12	67.4	67.4	67.1	67.0	67.0	67.0	67.0	67.0	67.1	67.3	68.01
	13	67.0	67.0	66.7	66.6	66.6	66.6	66.6	66.6	66.8	67.0	67.67
	14	—	—	—	—	—	—	—	—	—	—	—
	15	66.0	66.0	65.9	65.8	65.8	65.8	65.8	65.8	66.0	66.2	67.15
	16	66.4	66.2	66.0	66.0	66.0	66.0	66.0	66.0	65.8	65.9	66.77
	17	66.0	66.0	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.60
	18	65.7	65.5	65.0	64.9	64.9	64.9	64.9	64.9	64.9	65.1	66.09
	19	65.1	65.1	65.0	65.0	65.0	65.1	65.0	64.9	65.0	65.1	65.90
	20	65.7	65.6	65.7	65.6	65.6	65.7	65.6	65.6	65.8	66.1	66.22
	21	—	—	—	—	—	—	—	—	—	—	—
	22	66.0	65.9	65.7	65.5	65.5	65.5	65.6	65.7	66.0	66.3	67.08
	23	66.8	66.6	66.2	66.1	66.1	66.1	66.0	66.0	66.1	66.8	67.35
	24	66.9	66.8	66.8	66.7	66.7	66.7	66.6	66.5	66.7	67.0	67.49
	25	66.7	66.7	66.5	66.0	66.0	66.0	66.0	65.9	66.0	66.1	67.18
	26	65.9	65.9	65.3	65.2	65.2	65.2	65.1	65.1	65.1	65.2	66.28
	27	65.4	65.1	65.4	65.5	—	65.6	—	65.3	65.1	65.3	65.87
	28	—	—	—	—	—	—	—	—	—	—	—
	29	64.0	64.0	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.1	65.60
	30	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.0	64.0	64.83
	31	64.2	64.0	63.9	63.8	63.8	63.7	63.8	63.7	63.7	64.0	64.97
	Hourly Means	66.66	66.61	66.43	66.35	66.37	66.33	66.34	66.28	66.38	66.69	

<sup>a</sup> Omitted in the means, temperature not recorded.



HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = 00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
	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	71.5	70.3	68.0	66.3	65.7	64.0	63.0	60.6	60.2	61.8	61.8	63.0
	2	68.1	69.2	69.0	62.8	63.9	63.3	63.1	61.4	61.8	61.3	62.0	62.9
	3	71.0	69.7	68.4	66.1	62.1	60.9	60.9	61.2	61.9	63.0	63.9	64.0
	4	74.7	72.2	70.6	70.3	77.0	74.9	72.0	47.2	55.2	47.1	46.9	—
	5	—	—	—	—	—	—	—	—	—	—	—	58.4
	6	68.0	66.7	64.9	61.5	59.0	58.0	58.3	59.0	58.4	58.9	58.6	61.6
	7	67.0	67.4	65.9	64.9	62.9	62.3	61.2	60.0	60.2	60.5	59.8	61.0
	8	69.8	69.2	67.3	65.6	64.7	62.9	61.8	58.7	58.7	59.8	62.0	61.0
	9	73.0	69.0	67.0	66.5	64.9	63.6	63.8	60.5	59.8	60.7	61.9	62.6
	10	77.2	81.6	80.8	75.0	73.4	69.8	65.9	61.9	61.8	62.9	63.0	63.5
	11	72.9	72.9	70.9	68.8	66.8	65.9	65.0	63.8	64.0	63.9	64.8	—
	12	—	—	—	—	—	—	—	—	—	—	—	64.8
	13	71.9	73.0	68.1	64.0	65.7	65.0	64.1	63.0	60.8	60.0	63.1	59.0
	14	67.0	65.0	66.2	66.0	63.9	59.9	59.7	57.6	61.0	60.5	59.9	62.3
	15	68.9	68.1	66.2	64.5	63.1	63.1	61.4	59.4	60.9	60.3	60.4	62.7
	16	69.0	66.7	64.1	63.0	61.9	61.2	61.8	61.7	62.3	62.4	62.2	62.2
	17	69.2	67.9	66.2	64.1	63.2	62.5	62.8	61.9	62.2	62.8	63.0	64.0
	18	71.8	70.8	68.0	66.3	65.3	64.0	62.8	61.5	61.0	61.0	61.5	—
	19	—	—	—	—	—	—	—	—	—	—	—	53.0
	20	63.7	62.8	62.8	59.4	58.8	58.3	58.0	57.2	58.2	58.1	57.1	57.8
	21	66.1	65.9	63.2	60.2	58.4	57.7	58.0	58.5	60.2	60.6	61.0	61.2
	22	67.2	65.8	65.9	65.6	65.9	64.9	65.0	64.2	65.8	64.5	65.3	63.1
	23	67.0	63.2	63.1	62.8	62.2	62.8	62.0	58.9	58.0	65.9	61.0	61.0
	24	64.0	65.5	64.0	62.8	61.5	61.0	61.0	59.1	60.0	60.0	60.1	61.0
	25	70.0	68.5	68.1	65.7	64.9	63.1	61.9	61.6	61.8	62.9	61.8	—
	26	—	—	—	—	—	—	—	—	—	—	—	62.2
	27	67.0	67.9	67.6	66.3	65.0	62.4	61.8	61.7	62.2	62.6	62.5	62.3
	28	69.4	69.3	68.8	67.7	66.8	65.8	65.0	64.2	64.0	64.0	64.0	64.0
	29	72.0	72.2	71.4	69.5	67.8	66.8	65.7	64.9	65.0	65.1	65.1	66.4
	30	71.2	69.4	69.0	—	66.0	65.3	64.9	64.9	64.0	64.8	64.3	65.5
Hourly Means	69.56	68.85	67.52	65.43	64.65	63.44	62.73	60.56	61.13	61.36	61.42	61.94	
TEMPERATURE OF THE BIFILAR MAGNET.													
JUNE.	1	64.3	65.1	66.0	66.2	66.5	66.6	66.1	65.4	65.0	64.9	64.7	64.5
	2	64.1	64.4	65.0	65.3	65.9	65.8	65.8	64.9	64.5	64.3	64.3	64.0
	3	64.0	64.0	64.0	63.9	63.9	63.9	63.9	63.6	63.1	63.1	63.0	62.9
	4	63.1	63.4	63.7	64.0	63.9	64.0	63.8	63.7	63.6	63.1	63.1	—
	5	—	—	—	—	—	—	—	—	—	—	—	62.1
	6	62.4	62.8	63.2	63.9	64.1	64.6	64.7	64.0	63.3	63.0	62.8	62.8
	7	62.3	62.7	63.0	63.9	63.9	63.9	63.0	62.1	61.7	61.5	61.2	61.0
	8	61.5	61.9	62.1	62.6	62.7	62.6	62.4	61.9	61.7	61.4	61.3	61.1
	9	61.3	61.7	62.0	62.2	62.5	62.6	62.7	61.8	61.6	61.5	61.5	61.7
	10	61.1	61.2	61.6	62.0	62.1	62.4	62.3	62.0	61.9	62.8	61.7	61.5
	11	61.1	61.4	61.9	62.5	62.7	62.7	62.2	61.9	61.6	61.5	61.4	—
	12	—	—	—	—	—	—	—	—	—	—	—	61.2
	13	62.0	62.6	63.0	63.7	64.0	64.0	64.0	63.0	62.7	62.2	62.1	61.9
	14	61.9	62.0	62.5	62.8	63.0	63.0	63.0	62.4	62.0	61.9	61.8	61.7
	15	62.1	62.5	62.9	63.1	63.7	64.0	64.0	63.9	62.9	62.9	62.8	62.4
	16	62.9	63.6	64.0	64.8	64.9	65.0	65.1	64.8	64.1	64.0	63.8	63.4
	17	64.0	64.6	65.1	65.7	66.0	66.1	66.1	65.6	64.6	64.1	64.0	63.1
	18	64.8	65.8	66.7	67.1	68.0	68.6	68.6	68.0	66.9	66.0	65.8	—
	19	—	—	—	—	—	—	—	—	—	—	—	65.8
	20	65.9	66.1	66.7	67.0	67.2	67.3	67.0	66.0	65.6	65.2	65.2	64.9
	21	65.6	66.0	66.5	67.0	67.2	67.2	67.0	66.3	65.7	65.1	65.0	65.0
	22	64.5	65.0	65.1	65.7	65.8	66.0	65.8	65.0	64.5	64.5	64.7	64.7
	23	63.9	64.1	64.7	65.0	65.3	65.4	65.1	64.7	64.6	64.0	64.0	63.5
	24	63.3	64.0	64.5	65.0	65.1	65.1	65.0	64.1	63.7	63.4	63.1	63.0
	25	63.0	63.2	63.7	64.0	64.4	64.7	64.7	64.0	63.3	63.0	62.7	—
	26	—	—	—	—	—	—	—	—	—	—	—	63.0
	27	63.2	63.7	64.0	64.3	64.3	64.4	64.5	63.8	63.0	62.9	62.8	62.3
	28	62.1	62.2	62.4	62.9	63.0	62.9	62.8	62.2	62.0	61.9	61.7	61.4
	29	61.7	62.0	62.4	62.2	62.6	62.8	62.8	62.0	61.7	61.6	61.3	61.4
	30	61.8	62.0	62.4	—	62.8	62.8	62.8	62.1	62.0	62.0	61.9	62.0
Hourly Means	63.00	63.38	63.81	64.27	64.44	64.55	64.43	63.81	63.36	63.15	62.99	62.78	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JUNE.	1	64.0	62.0	63.5	64.0	65.0	65.0	64.0	65.0	65.0	67.0	64.11
	2	64.5	62.9	63.2	64.2	64.7	64.9	65.8	66.4	68.0	69.9	64.27
	3	65.2	65.1	65.9	65.9	65.3	67.7	68.4	69.1	71.0	73.8	65.26
	4	—	—	—	—	—	—	—	—	—	—	62.15
	5	57.9	59.4	59.8	59.8	59.0	60.0	61.2	61.9	64.6	67.1	
	6	60.6	59.7	60.9	60.1	60.9	61.3	61.0	61.3	65.3	66.0	61.25
	7	62.1	62.3	63.3	63.8	63.4	63.3	64.1	64.8	66.8	68.9	62.81
	8	62.0	62.1	64.2	64.2	64.2	68.3	69.2	70.6	70.9	71.9	64.12
	9	64.9	63.4	65.3	65.8	66.1	66.4	68.2	68.0	70.7	72.3	64.94
	10	63.3	63.9	65.1	65.2	65.4	65.9	66.8	68.3	70.9	73.2	67.77
	11	—	—	—	—	—	—	—	—	—	—	66.68
	12	65.1	66.0	65.0	65.1	66.0	66.0	67.1	67.9	70.2	72.0	
	13	60.9	60.3	62.1	62.2	64.2	65.5	66.5	67.2	68.6	68.0	64.35
	14	64.3	64.6	64.2	64.6	64.8	64.5	64.4	64.4	66.4	68.8	63.11
	15	62.1	63.2	63.7	63.6	63.5	63.1	63.9	65.0	66.7	68.7	63.31
	16	62.1	62.2	63.0	63.6	63.9	64.5	65.0	65.0	66.2	68.9	63.43
	17	64.0	63.6	63.8	64.5	64.7	65.6	65.8	66.3	68.8	71.0	64.52
	18	—	—	—	—	—	—	—	—	—	—	61.32
	19	54.0	54.3	56.8	57.1	57.2	58.6	59.2	60.1	61.2	63.0	
	20	58.9	59.0	59.0	59.5	59.9	60.7	61.1	61.4	63.1	64.8	59.62
	21	61.0	61.5	62.5	62.8	63.4	64.1	65.0	65.8	66.6	68.3	61.77
	22	63.0	62.8	63.1	62.8	62.0 <sup>a</sup>	62.1	62.0	62.0	63.4	65.2	64.48
	23	61.1	63.0	63.4	64.7	64.7	62.1	61.5	63.0	65.0	65.0	62.22
	24	61.0	61.9	62.6	—	63.7	64.1	64.7	64.4	66.6	68.0	62.16
	25	—	—	—	—	—	—	—	—	—	—	64.03
	26	62.6	63.0	63.1	64.3	64.5	64.0	65.0	64.9	66.0	67.0	
	27	64.0	63.5	63.7	64.3	65.0	65.0	65.8	66.0	67.8	68.3	64.17
	28	64.1	65.0	65.0	65.7	65.6	66.3	65.8	67.5	69.1	70.8	65.97
	29	68.2	68.0	68.7	67.1	66.7	67.0	68.3	68.9	70.1	70.8	67.67
	30	65.3	67.2	63.7	63.9	64.0	64.1	64.9	65.5	67.7	70.0	66.04
Hourly Means	62.55	62.69	63.25	63.55	63.83	64.23	64.80	65.41	67.18	68.80		
TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	
JUNE.	1	64.3	64.2	64.0	64.0	64.0	64.0	63.8	63.9	63.7	63.8	64.87
	2	64.0	64.0	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.0	64.53
	3	62.8	62.7	62.7	62.7	62.7	62.7	62.7	62.6	62.6	62.8	63.26
	4	—	—	—	—	—	—	—	—	—	—	62.91
	5	62.0	62.0	62.0	62.0	62.0	61.9	62.0	62.0	62.0	62.0	
	6	62.3	62.2	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.1	62.99
	7	61.0	61.0	60.8	60.8	60.7	60.7	60.6	60.6	60.7	61.0	61.78
	8	61.1	61.0	61.0	61.0	60.9	60.9	61.0	61.0	61.0	61.0	61.55
	9	61.5	61.1	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.59
	10	61.3	61.3	61.2	61.1	60.9	61.0	61.0	60.9	60.9	61.0	61.55
	11	—	—	—	—	—	—	—	—	—	—	61.52
	12	61.1	61.1	61.0	61.0	61.0	61.0	61.0	60.9	61.1	61.3	
	13	61.9	61.8	61.7	61.7	61.6	61.6	61.6	61.6	61.6	61.6	62.45
	14	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	62.0	62.10
	15	62.2	62.1	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.4	62.74
	16	63.4	63.3	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.4	63.77
	17	63.1	62.9	62.9	62.8	62.7	62.7	62.6	62.7	63.2	63.9	64.18
	18	—	—	—	—	—	—	—	—	—	—	66.27
	19	65.7	65.5	65.1	65.1	65.1	65.1	65.0	65.0	65.0	65.3	
	20	64.8	64.8	64.6	64.5	64.6	64.2	64.3	64.3	64.8	65.0	65.57
	21	65.0	64.8	64.6	64.5	64.5	64.4	64.4	64.4	64.1	64.3	65.52
	22	64.4	64.2	64.0	64.0	—	64.1	64.0	64.0	63.9	63.8	64.69
	23	63.1	63.0	62.9	62.9	62.9	62.9	63.0	63.0	62.9	63.0	63.96
	24	62.9	62.8	62.6	—	62.5	62.5	62.5	62.5	62.3	62.9	63.50
	25	—	—	—	—	—	—	—	—	—	—	63.41
	26	63.0	62.9	62.8	62.6	62.6	62.6	62.5	62.5	63.8	62.9	
	27	62.3	62.3	62.0	62.0	62.0	62.0	62.0	61.9	61.9	62.0	63.01
	28	61.4	61.2	61.2	61.0	61.0	61.0	61.0	61.0	61.2	61.4	61.85
	29	61.2	61.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.3	61.71
	30	61.9	61.9	61.7	61.7	61.6	61.6	61.6	61.6	61.8	61.8	62.07
Hourly Means	62.67	62.58	62.44	62.40	62.32	62.37	62.36	62.35	62.46	62.58		

<sup>a</sup> Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change of the Magnetic moment of the Bar for 1° Fah. = .00028.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	8h.	10h.	11h.	12h.	14h.	
JULY.	1	70.1	71.0	70.0	69.2	68.0	64.3	62.6	62.0	60.0	59.1	61.5	64.5
	2	54.3	47.3	54.7	53.9	52.9	54.1	44.0	40.0	37.2	43.1	52.4	—
	3	—	—	—	—	—	—	—	—	—	—	—	55.0
	4	53.0	48.0	47.0	46.6	43.4	45.0	46.0	49.0	52.5	51.9 <sup>a</sup>	53.5	54.8
	5	62.0	63.0	62.0	61.0	60.0	59.0	58.7	56.1	56.8	57.6	57.1	57.6
	6	66.1	65.2	64.9	64.1	61.1	60.2	60.9	59.0	59.0	59.3	57.2	56.5
	7	66.9	67.2	65.9	65.9	62.3	60.1	59.1	58.0	58.5	58.8	59.8	59.1
	8	68.8	68.1	68.2	66.9	64.1	61.7	62.8	59.8	60.4	59.9	59.5	62.9
	9	66.9	62.5	63.6	61.6	61.8	57.4	56.9	54.0	55.6	62.1	56.9	—
	10	—	—	—	—	—	—	—	—	—	—	—	62.0
	11	63.9	64.5	65.0	64.5	62.9	61.0	59.0	59.7	61.2	61.0	61.2	63.0
	12	68.9	70.0	69.0	66.7	65.0	63.2	61.0	58.4	60.9	61.0	60.9	60.9
	13	68.1	69.0	69.0	67.9	65.0	62.9	64.0	63.7	63.0	63.5	63.0	62.0
	14	69.2	69.8	68.6	66.8	64.8	63.2	63.0	63.4	63.9	64.2	64.5	64.3
	15	70.8	70.4	69.0	67.3	65.0	64.1	64.0	63.0	63.0	63.2	64.0	64.8
	16	68.5	68.5	67.8	64.8	63.8	63.0	63.3	63.2	63.9	63.5	63.9	—
	17	—	—	—	—	—	—	—	—	—	—	—	65.0
	18	69.0	68.8	67.8	66.5	66.5	64.9	64.6	64.0	65.0	65.0	65.0	64.8
	19	66.9	66.7	65.1	65.7	65.0	62.9	62.3	60.0	60.1	61.4	62.1	63.8
	20	67.2	68.8	69.4	67.0	65.0	62.3	61.9	61.8	60.5	61.6	61.0	63.8
	21	69.8	68.4	66.0	63.8	63.1	61.6	61.1	61.8	62.3	62.4	63.0	64.3
	22	71.3	71.5	69.0	65.4	64.2	63.0	62.9	64.8	64.0	64.6	65.4	66.9
	23	71.2	70.3	67.1	66.2	63.1	62.1	62.1	61.3	60.0	58.1	59.8	—
	24	—	—	—	—	—	—	—	—	—	—	—	64.1
	25	71.0	72.5	69.5	66.6	64.2	62.0	61.9	62.1	62.8	63.0	63.7	63.2
	26	74.8	72.0	72.9	67.9	65.0	63.0	62.3	62.2	61.8	61.0	62.2	63.1
	27	69.7	69.7	68.1	65.9	63.0	62.4	60.9	60.1	62.2	63.2	63.2	62.2
	28	73.9	74.1	73.2	71.1	68.1	65.0	64.3	64.7	61.0	60.9	60.2	62.1
	29	68.0	74.3	72.9	70.2	67.2	64.7	65.0	62.5	59.2	59.8	60.8	64.4
	30	69.1	69.9	69.1	69.1 <sup>b</sup>	66.3	66.0	65.0	62.0	61.7	60.9	60.7	—
	31	—	—	—	—	—	—	—	—	—	—	—	62.9
Hourly Means	67.67	67.52	66.72	65.10	63.11	61.50	60.75	59.87	59.86	60.73	60.86	62.23	
TEMPERATURE OF THE BIFILAR MAGNET.													
JULY.	1	61.9	62.0	62.0	62.0	62.0	61.9	61.1	61.1	61.1	61.1	60.7	
	2	60.8	61.1	61.6	62.1	62.1	62.0	62.6	62.0	60.2	61.9	—	
	3	—	—	—	—	—	—	—	—	—	—	59.8	
	4	60.2	60.6	60.9	60.9	61.1	61.0	61.0	60.8	60.5	—	60.1	60.0
	5	60.1	60.4	60.8	61.0	61.1	61.0	60.9	60.7	60.5	60.5	61.5	61.2
	6	60.9	61.1	61.4	62.0	62.3	63.0	63.0	62.7	61.7	61.2	61.0	60.3
	7	60.4	60.8	61.0	61.6	62.1	62.8	63.0	62.6	61.8	61.3	61.0	60.8
	8	61.8	62.0	62.9	63.4	63.8	64.0	63.8	63.0	62.1	61.9	61.8	61.5
	9	61.7	62.0	62.6	62.8	63.0	63.0	63.0	62.1	61.8	61.7	61.7	—
	10	—	—	—	—	—	—	—	—	—	—	—	60.9
	11	61.1	61.6	61.9	62.0	62.2	62.3	62.2	61.5	61.2	61.0	60.8	60.3
	12	60.9	61.5	61.9	62.5	62.9	63.0	62.9	62.2	61.7	61.4	61.4	60.9
	13	60.4	60.7	61.0	61.3	61.6	61.6	61.4	60.8	60.0	59.9	59.8	59.8
	14	59.4	59.7	60.1	60.0	60.2	60.2	60.2	60.0	59.8	59.8	59.8	59.8
	15	59.9	60.0	60.6	61.0	61.2	61.2	61.0	60.2	60.2	60.0	59.9	59.5
	16	60.0	60.0	60.0	60.6	60.9	61.0	60.8	60.1	59.9	59.7	59.5	—
	17	—	—	—	—	—	—	—	—	—	—	—	59.9
	18	60.0	60.6	61.0	61.3	62.0	62.3	62.8	62.0	61.1	61.0	60.9	60.7
	19	60.6	60.9	61.0	61.7	62.1	62.7	63.0	62.0	61.0	61.0	60.6	60.2
	20	60.1	60.9	61.7	62.3	62.8	62.8	62.4	61.5	61.0	61.0	61.0	61.0
	21	60.1	60.5	60.9	61.1	61.1	61.3	61.2	60.9	60.1	60.1	59.9	59.6
	22	59.1	59.4	60.0	60.7	61.0	61.0	60.9	60.0	59.4	59.1	59.0	58.9
	23	59.2	59.7	60.1	60.7	60.9	60.7	60.4	59.9	59.4	59.1	59.1	—
	24	—	—	—	—	—	—	—	—	—	—	—	58.9
	25	59.0	59.7	60.1	61.0	61.1	61.9	62.0	61.0	60.2	59.9	59.7	59.4
	26	59.1	59.5	60.0	60.7	61.7	62.0	62.4	61.8	61.1	60.9	60.7	60.0
	27	60.5	60.8	61.2	61.7	62.0	62.1	62.1	61.7	61.1	61.0	61.0	60.8
	28	61.1	61.1	61.8	62.0	62.7	62.9	63.1	62.5	61.7	61.6	61.2	61.2
	29	61.0	61.3	61.9	62.0	62.2	62.4	62.2	62.0	61.7	61.7	61.7	61.4
	30	60.4	60.8	61.0	61.1 <sup>b</sup>	61.1	61.6	61.6	61.0	60.9	60.8	60.7	—
	31	—	—	—	—	—	—	—	—	—	—	—	61.0
Hourly Means	60.37	60.72	61.13	61.52	61.81	62.00	62.00	61.40	60.89	60.68	60.65	60.33	

<sup>a</sup> Omitted in the means; temperature not recorded.<sup>b</sup> Late, time not stated.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.												
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.	
	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	64.0	64.0	68.0	—	60.9	60.8	—	57.0	56.0	58.1	63.96
	2	—	—	—	—	—	—	—	—	—	—	52.21
	3	47.0	59.0	60.8	54.8	48.7	51.2	54.4	56.0	65.0	58.7	51.90
	4	54.2	55.6	54.6	55.4	55.4	55.4	55.3	57.7	58.0	60.0	59.89
	5	57.7	59.5	63.1	61.8	63.2	61.9	62.9	62.5	63.9	65.9	60.68
	6	57.9	58.0	60.0	60.0	60.9	62.0	61.5	62.0	63.5	67.0	61.64
	7	60.0	60.0	61.0	61.7	61.8	62.8	63.6	64.0	66.3	68.3	63.58
	8	63.2	62.8	63.2	63.8	64.5	65.7	65.5	64.3	64.8	67.0	60.96
	9	—	—	—	—	—	—	—	—	—	—	62.41
	10	62.2	62.0	62.8	63.3	62.9	62.8	64.1	65.0	66.2	65.7	63.22
	11	63.4	61.9	62.0	63.0	63.1	63.0	63.1	64.9	66.1	68.9	64.77
	12	62.8	62.1	62.0	62.8	62.5	63.1	63.7	64.2	66.5	67.2	65.23
	13	62.0	63.4	64.1	64.8	64.6	64.9	65.4	66.0	67.1	68.7	65.77
	14	63.7	63.4	63.4	64.8	64.7	65.4	64.9	65.9	68.9	69.8	65.38
	15	64.8	65.1	66.3	65.7	65.5	65.2	65.1	65.5	69.0	69.0	65.49
	16	—	—	—	—	—	—	—	—	—	—	63.99
	17	64.9	65.0	65.0	65.3	65.9	66.1	66.9	67.8	69.1	69.4	63.95
	18	64.8	64.2	64.1	64.5	66.4	66.2	65.0	65.8	64.7	65.6	64.81
	19	65.2	66.1	64.7	63.6	63.3	64.5	67.2	67.4	67.3	68.5	66.29
	20	62.7	62.2	63.2	64.2	64.6	64.3	65.0	65.5	67.1	68.0	64.48
	21	63.5	64.9	65.2	65.8	66.1	66.1	65.5	67.5	70.1	70.9	65.48
	22	65.9	66.9	65.5	67.5	68.5	67.4	66.4	66.0	67.2	69.9	65.59
	23	—	—	—	—	—	—	—	—	—	—	64.72
	24	64.1	65.0	64.4	64.4	64.3	65.6	65.7	67.0	70.1	71.0	65.47
	25	63.3	64.4	64.8	65.1	66.0	66.4	67.4	68.3	71.8	73.2	65.02
	26	64.5	64.9	64.7	65.3	65.4	65.0	65.4	66.8	68.2	69.4	64.47
	27	62.8	63.6	65.0	65.0	65.8	67.4	68.0	68.8	71.3	72.3	64.47
	28	61.8	63.0	62.7	64.0	64.6	65.2	65.2	65.9	67.2	68.0	65.02
	29	61.5	61.8	64.8	64.3	64.1	64.8	64.9	66.4	68.9	68.9	64.47
	30	—	—	—	—	—	—	—	—	—	—	64.47
	31	65.0	66.1	65.3	65.0	64.1	63.6	64.0	64.9	61.9	62.7	64.47
Hourly Means	62.03	62.88	63.49	63.44	63.38	63.72	64.24	64.73	66.39	67.39		

TEMPERATURE OF THE BIFILAR MAGNET.												
	1	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	60.6	60.5	60.6	—	60.6	60.5	—	60.6	60.5	60.6	61.16
	2	—	—	—	—	—	—	—	—	—	—	61.02
	3	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	59.8	60.0	60.34
	4	60.0	59.8	59.9	59.9	59.9	59.9	59.8	59.8	59.9	60.0	60.71
	5	60.1	61.1	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.6	61.16
	6	60.2	60.3	60.1	60.0	60.0	60.0	60.0	60.0	60.2	60.2	61.43
	7	60.8	60.8	60.8	60.7	60.7	61.7	60.7	60.7	61.2	61.3	62.06
	8	61.1	61.1	61.1	60.9	60.9	60.8	60.8	60.8	61.0	61.3	61.53
	9	—	—	—	—	—	—	—	—	—	—	61.01
	10	60.9	60.8	60.2	60.2	60.2	60.2	60.2	60.1	60.4	60.7	61.40
	11	60.6	60.5	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.5	60.17
	12	60.9	60.8	60.8	60.5	60.4	60.4	60.3	60.2	60.0	60.1	59.82
	13	59.7	59.6	59.4	59.4	59.3	59.1	59.1	59.1	59.1	59.2	60.03
	14	59.8	59.8	59.6	59.6	59.5	59.5	59.5	59.5	59.7	59.7	60.02
	15	59.5	59.5	59.6	59.6	59.5	59.4	59.4	59.4	59.4	59.6	60.91
	16	—	—	—	—	—	—	—	—	—	—	60.73
	17	59.8	59.8	59.8	59.7	59.7	59.7	59.7	59.7	59.8	59.9	61.12
	18	60.6	60.2	60.1	60.1	60.0	60.0	60.0	60.1	60.1	60.2	60.00
	19	60.0	60.0	59.6	59.5	59.4	59.4	59.3	59.3	59.3	59.7	59.37
	20	60.9	60.9	60.7	60.5	60.5	60.4	60.0	60.0	60.0	60.0	59.41
	21	59.5	59.5	58.9	58.9	58.9	58.9	58.9	58.8	58.9	58.9	59.90
	22	58.8	58.6	58.6	58.5	58.5	58.5	58.4	58.4	58.5	58.7	60.54
	23	—	—	—	—	—	—	—	—	—	—	61.08
	24	58.8	58.7	58.8	58.7	58.7	58.8	58.8	58.9	58.7	58.8	61.60
	25	59.4	59.2	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2	61.42
	26	60.0	60.0	60.0	59.8	59.8	59.8	59.8	59.9	59.9	60.1	60.88
	27	60.7	60.7	60.7	60.6	60.5	60.5	60.6	60.5	60.7	60.8	
	28	61.1	61.0	61.0	60.9	61.0	61.0	61.0	60.9	60.9	61.0	
	29	61.2	61.1	60.8	60.7	60.7	60.7	60.6	60.6	60.4	60.3	
	30	—	—	—	—	—	—	—	—	—	—	
	31	61.0	61.0	60.7	60.6	60.6	60.6	60.6	60.5	60.6	60.4	
Hourly Means	60.22	60.20	60.03	59.93	59.93	59.96	59.86	59.88	59.94	60.07		

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	
AUGUST.	1	64.1	63.8	62.9	63.0	61.1	60.2	59.6	58.0	59.0	60.1	60.9	62.9
	2	68.8	68.1	67.0	66.4	65.2	64.0	63.8	61.9	61.7	62.0	62.1	62.5
	3	68.2	68.5	66.3	63.9	62.9	62.2	62.5	62.3	62.3	63.2	63.2	63.3
	4	71.5	71.0	69.1	65.9	64.2	66.1	65.0	65.5	66.9	67.2	64.6	65.3
	5	65.2	64.2	65.1	62.5	61.6	60.6	60.7	60.9	61.3	61.3	61.7	61.2
	6	68.0	68.1	66.2	66.2	63.1	56.0	59.1	59.2	58.1	57.1	59.8	—
	7	—	—	—	—	—	—	—	—	—	—	—	62.4
	8	67.3	67.8	67.8	66.5	64.9	63.0	61.8	61.5	60.0	60.0	60.0	60.0
	9	68.4	69.0	68.8	67.0	65.8	64.9	63.6	62.6	62.9	62.2	61.8	63.3
	10	67.2	67.7	66.2	65.6	64.5	63.9	63.6	63.8	60.9	61.9	62.1	62.9
	11	70.9	69.1	66.9	65.7	64.4	63.8	62.8	62.0	62.4	62.8	62.8	63.8
	12	71.4	70.8	68.1	66.2	64.1	62.0	61.0	58.8	60.3	61.9	61.2	62.5
	13	72.1	71.5	68.0	64.1	63.9	62.6	63.1	62.9	64.9	62.7	62.4	—
	14	—	—	—	—	—	—	—	—	—	—	—	61.5
	15	68.5	68.0	64.8	61.7	59.1	58.2	58.9	60.0	61.5	61.7	62.0	62.0
	16	69.4	69.0	67.8	67.0	65.1	63.8	63.2	63.1	63.1	63.1	63.8	66.0
	17	68.6	68.9	66.6	63.8	62.5	63.3	62.1	61.8	63.5	63.7	63.8	64.1
	18	69.0	67.2	66.1	62.2	61.1	58.5	57.8	60.9	62.2	62.3	63.8	64.5
	19	76.5	80.9	73.0	62.0	56.0	50.5	54.2	56.4	61.9	57.5	59.0	64.5
	20	71.1	70.1	68.1	66.1	63.8	62.7	62.8	63.2	63.1	62.2	62.2	—
	21	—	—	—	—	—	—	—	—	—	—	—	62.5
	22	72.6	71.8	70.0	67.2	67.0	65.2	64.5	62.9	61.2	62.2	61.0	64.0
	23	70.0	69.9	69.0	68.0	66.0	64.7	63.5	61.0	61.5	62.0	62.2	62.7
	24	74.0	72.7	70.0	68.5	67.2	59.3	60.6	62.2	62.5	62.0	62.0	64.0
	25	69.1	71.0	70.0	66.6	62.5	61.8	61.2	61.2	60.0	62.5	61.5	62.8
	26	73.1	74.0	72.0	69.1	67.3	64.8	64.1	63.4	61.9	62.5	65.6	62.7
	27	67.0	68.9	68.1	67.5	65.2	65.0	64.2	63.5	62.9	61.7	62.0	—
	28	—	—	—	—	—	—	—	—	—	—	—	64.6
	29	74.9	74.1	72.9	70.2	67.3	65.0	64.0	64.2	64.3	64.3	64.2	65.0
	30	71.8	71.5	69.6	67.3	64.2	62.0	62.2	62.4	62.9	63.0	63.9	64.3
	31	72.9	—	72.9	70.2	68.0	66.1	65.2	64.4	64.7	64.9	65.0	—
Hourly Means <sup>b</sup>	69.95	69.91	68.09	65.78	63.85	62.08	61.92	61.75	62.05	62.04	62.29	63.28	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	60.5	60.6	60.7	60.8	61.0	61.4	61.6	61.4	61.0	61.0	61.0	60.7
	2	60.4	60.5	60.8	61.2	61.8	62.0	62.0	61.7	61.0	60.9	60.7	60.6
	3	60.9	61.3	61.8	62.2	62.7	62.9	63.0	62.0	61.4	61.3	61.1	61.0
	4	61.1	61.7	61.9	62.1	62.5	62.8	62.7	61.9	61.8	61.4	61.0	60.9
	5	60.8	61.0	61.1	61.0	61.5	61.8	61.8	61.5	61.0	61.0	60.9	60.7
	6	60.4	60.8	61.0	61.3	61.3	61.3	61.2	60.8	60.4	60.2	60.2	—
	7	—	—	—	—	—	—	—	—	—	—	—	59.8
	8	59.9	60.0	60.5	61.0	61.0	61.1	61.0	60.7	60.2	60.1	60.0	59.9
	9	59.7	59.9	60.0	60.1	60.7	60.7	60.6	60.0	60.0	60.0	60.0	59.9
	10	59.9	60.4	60.1	60.6	60.4	60.7	60.8	60.5	60.0	59.8	59.7	59.2
	11	59.9	60.5	60.9	61.4	61.7	61.8	61.8	61.0	60.3	60.1	60.0	59.9
	12	60.1	60.5	61.1	61.8	62.0	62.0	62.0	61.1	60.9	60.8	60.7	60.0
	13	60.3	60.8	61.0	61.6	61.7	61.8	61.6	60.9	60.3	61.5	60.2	—
	14	—	—	—	—	—	—	—	—	—	—	—	59.6
	15	60.7	61.9	63.0	63.9	64.0	64.1	63.8	62.8	62.0	61.6	61.0	60.8
	16	60.6	60.9	61.3	61.9	62.2	62.3	62.2	61.6	60.9	60.8	60.6	60.4
	17	60.4	61.0	61.4	62.0	62.2	62.2	62.0	61.4	60.9	60.8	60.7	60.4
	18	59.9	60.0	60.3	61.0	61.0	61.0	60.8	59.9	59.8	59.5	59.4	59.0
	19	58.7	59.0	59.2	59.4	59.6	59.8	59.6	59.2	59.0	59.0	58.7	58.6
	20	58.8	59.0	59.2	59.0	59.4	59.6	59.5	59.4	59.0	59.0	58.9	—
	21	—	—	—	—	—	—	—	—	—	—	—	59.0
	22	59.9	60.7	61.1	61.1	61.2	61.1	61.0	60.6	60.0	60.0	59.9	59.9
	23	59.9	60.5	61.1	61.6	62.0	62.2	62.0	61.1	60.7	60.4	60.2	60.2
	24	60.1	60.1	60.4	60.4	60.8	61.1	61.1	60.9	60.7	60.5	60.3	60.0
	25	59.9	60.3	61.0	61.7	62.0	62.6	62.4	61.7	60.9	60.4	60.2	60.0
	26	60.0	60.5	61.0	61.6	61.9	62.0	61.7	61.0	60.3	60.2	60.2	60.0
	27	59.9	60.1	60.4	60.8	60.9	61.0	61.0	60.9	60.5	60.3	60.0	—
	28	—	—	—	—	—	—	—	—	—	—	—	59.0
	29	59.1	59.7	60.0	60.7	61.4	61.7	61.3	60.7	60.0	60.0	60.0	59.8
	30	59.5	60.0	60.7	61.0	61.2	61.4	61.3	60.7	60.0	60.0	59.9	59.8
	31	60.1	—	60.8	61.0	61.6	62.0	62.0	61.1	60.7	60.4	60.1	—
Hourly Means <sup>b</sup>	60.05	60.45	60.81	61.20	61.46	61.63	61.53	60.98	60.50	60.41	60.21	59.96	

<sup>a</sup> Omitted in the means, temperature not recorded.<sup>b</sup> Observations of the 31st omitted in the means.

HORIZONTAL FORCE.																																																																																																																																																																																																																																																																																																																																																																																				
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.																																																																																																																																																																																																																																																																																																																																																																																				
Mean Göttingen Time.	15 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	19 <sup>h</sup> 30 <sup>m</sup> .	20 <sup>h</sup> .	20 <sup>h</sup> 30 <sup>m</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means of the 12 even Hours.																																																																																																																																																																																																																																																																																																																																																																									
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.																																																																																																																																																																																																																																																																																																																																																																									
AUGUST.	1	63.9	62.0	63.9	63.3	63.9	64.1	64.2	66.0	67.0	68.0	62.12																																																																																																																																																																																																																																																																																																																																																																								
	2	62.7	63.2	63.0	62.9	63.2	63.6	63.6	63.8	65.6	67.2	64.03																																																																																																																																																																																																																																																																																																																																																																								
	3	63.7	63.8	63.0	63.9	63.8	64.9	65.8	66.1	68.0	70.1	64.22																																																																																																																																																																																																																																																																																																																																																																								
	4	61.0	62.1	64.9	62.9	62.8	63.0	64.0	65.0	66.9	62.9	65.75																																																																																																																																																																																																																																																																																																																																																																								
	5	61.3	62.5	66.4	61.8	61.8	61.3	61.8	62.2	64.1	65.1	62.67																																																																																																																																																																																																																																																																																																																																																																								
	6	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																								
	7	63.8	64.9	62.2	62.4	62.2	63.0	63.6	63.8	66.2	68.3	62.68																																																																																																																																																																																																																																																																																																																																																																								
	8	60.8	61.3	62.5	63.1	63.0	62.9	63.0	63.1	65.2	67.2	62.93																																																																																																																																																																																																																																																																																																																																																																								
	9	63.4	64.2	64.2	63.5	63.2	64.0	64.1	64.9	66.8	67.1	64.70																																																																																																																																																																																																																																																																																																																																																																								
	10	63.9	63.0	64.4	63.8	63.8	63.6	64.8	65.2	68.0	70.0	64.18																																																																																																																																																																																																																																																																																																																																																																								
	11	64.8	64.0	65.0	65.1	65.6	67.2	68.5	69.9	66.9	71.2	64.92																																																																																																																																																																																																																																																																																																																																																																								
	12	63.3	63.3	63.6	64.3	64.0	64.8	65.1	66.8	68.9	70.9	64.00																																																																																																																																																																																																																																																																																																																																																																								
	13	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																								
	14	62.1	63.0	63.0	63.1	63.6	64.0	65.0	65.0	67.5	69.0	64.69																																																																																																																																																																																																																																																																																																																																																																								
	15	62.0	62.1	62.8	62.8	63.2	64.0	64.5	65.8	67.0	69.0	62.72																																																																																																																																																																																																																																																																																																																																																																								
	16	65.3	65.8	64.6	63.5	63.1	63.2	64.2	65.7	67.8	68.9	65.24																																																																																																																																																																																																																																																																																																																																																																								
	17	65.2	63.3	65.5	63.9	62.5	61.1	61.5	63.1	67.1	68.1	64.17																																																																																																																																																																																																																																																																																																																																																																								
	18	64.5	64.0	66.1	66.0	63.8	63.5	64.1	65.1	68.2	69.8	63.93																																																																																																																																																																																																																																																																																																																																																																								
	19	63.9	63.0	62.2	62.6	62.3	62.0	62.8	63.7	65.7	68.2	62.87																																																																																																																																																																																																																																																																																																																																																																								
	20	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																								
	21	62.8	62.8	63.4	63.7	64.4	64.9	65.3	67.0	69.1	71.0	64.75																																																																																																																																																																																																																																																																																																																																																																								
	22	64.2	64.0	66.1	65.5	65.0	63.9	64.5	65.1	67.0	69.9	65.35																																																																																																																																																																																																																																																																																																																																																																								
	23	63.0	63.4	64.0	64.9	65.0	65.3	65.9	66.5	69.1	73.5	64.81																																																																																																																																																																																																																																																																																																																																																																								
	24	63.8	63.0	63.1	63.2	63.0	62.8	63.8	64.3	66.1	68.0	64.79																																																																																																																																																																																																																																																																																																																																																																								
	25	63.7	63.8	64.0	63.6	64.0	63.8	65.1	66.4	70.0	72.5	64.16																																																																																																																																																																																																																																																																																																																																																																								
	26	64.2	64.4	64.2	63.9	64.1 <sup>a</sup>	64.2	65.0 <sup>a</sup>	65.0	65.3	67.0	65.68																																																																																																																																																																																																																																																																																																																																																																								
	27	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																								
	28	65.0	65.0	65.0	66.0	65.4	66.2	66.8	68.1	71.0	73.8	65.39																																																																																																																																																																																																																																																																																																																																																																								
	29	65.2	65.2	66.0	66.1	66.1	67.0	67.1	67.0	69.0	71.1	67.00																																																																																																																																																																																																																																																																																																																																																																								
	30	64.4	65.0	65.2	65.2	65.8	66.4	67.1	67.9	69.6	71.1	65.62																																																																																																																																																																																																																																																																																																																																																																								
	31	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																								
Hourly Means <sup>b</sup>	63.53	63.54	64.16	63.88	63.78	64.03	64.65	65.48	67.43	69.19																																																																																																																																																																																																																																																																																																																																																																										
TEMPERATURE OF THE BIFILAR MAGNET.																																																																																																																																																																																																																																																																																																																																																																																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																					
AUGUST.	1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.4	60.3	60.87	2	60.5	60.4	60.1	60.0	60.0	60.0	60.0	60.0	60.4	60.8	61.23	3	60.9	60.5	60.0	60.0	60.0	60.0	60.0	60.0	60.4	60.8	61.23	4	60.9	60.8	60.2	60.2	60.1	60.1	60.1	60.1	60.2	60.2	61.26	5	60.7	60.6	60.2	60.1	60.2	60.2	60.2	60.2	60.1	60.1	60.87	6	—	—	—	—	—	—	—	—	—	—	—	7	59.7	59.6	59.2	59.2	59.2	59.2	59.2	59.3	59.5	59.8	60.22	8	59.8	59.7	59.3	59.3	59.2	59.1	59.1	59.2	59.1	59.4	60.03	9	59.8	59.6	59.4	59.2	59.2	59.2	59.1	59.1	59.5	59.7	59.89	10	59.1	59.1	59.0	58.9	58.9	58.9	59.0	59.0	59.0	59.4	59.72	11	59.9	59.8	59.8	59.6	59.5	59.3	59.3	59.2	59.5	59.9	60.32	12	59.9	59.9	59.9	59.7	59.7	59.7	59.7	59.6	59.7	60.0	60.59	13	—	—	—	—	—	—	—	—	—	—	—	14	59.5	59.4	59.1	59.1	59.1	59.1	59.1	59.1	59.3	60.0	60.21	15	60.8	60.6	60.7	60.7	60.7	60.7	60.7	60.6	60.3	60.2	61.70	16	60.1	59.9	59.9	59.9	59.9	59.9	59.8	59.9	59.9	60.0	60.78	17	60.2	60.2	60.0	60.0	60.0	59.9	59.9	59.7	59.6	59.6	60.76	18	59.0	59.0	58.7	58.7	58.7	58.6	58.6	58.6	58.7	58.7	59.59	19	58.5	58.4	58.3	58.2	58.2	58.2	58.2	58.2	58.3	58.2	58.82	20	—	—	—	—	—	—	—	—	—	—	—	21	59.0	59.0	59.1	59.0	59.1	59.2	59.1	59.1	59.1	59.5	59.13	22	59.8	59.8	59.5	59.5	59.5	59.5	59.5	59.5	59.2	59.4	60.13	23	60.1	60.0	59.9	59.8	59.8	59.8	59.8	59.8	59.8	59.9	60.56	24	59.9	59.9	59.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.28	25	59.9	59.8	59.7	59.7	59.7	59.6	59.7	59.6	59.4	59.6	60.55	26	60.0	59.9	60.0	59.8	—	59.7	—	59.2	59.4	59.6	60.42	27	—	—	—	—	—	—	—	—	—	—	—	28	58.9	59.0	58.8	58.9	58.9	58.8	58.8	58.8	58.8	58.8	59.83	29	59.5	59.1	59.0	59.0	59.0	59.0	58.9	58.9	59.0	59.1	59.87	30	59.8	59.8	59.7	59.7	59.7	59.7	59.7	59.7	59.8	60.0	60.17	31	—	—	—	—	—	—	—	—	—	—	—
	Hourly Means <sup>b</sup>	59.88	59.79	59.61	59.56	59.55	59.53	59.52	59.49	59.53	59.70																																																																																																																																																																																																																																																																																																																																																																									

HORIZONTAL FORCE.														
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
	Sc. Div.	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	—	73.0	71.3	68.9	67.0	66.1	66.4	66.5	66.0	64.9	63.7	62.7	63.8
	2	62.0	63.9	64.0	58.6	60.0	60.2	58.9	56.0	51.0	54.9	56.2	55.8	56.3
	3	65.3	66.0	63.2	61.6	60.7	59.5	59.1	58.9	59.2	60.2	60.0	60.5	60.9
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	71.3	72.2	71.2	68.6	64.0	61.0	59.6	60.8	60.2	60.2	61.9	58.9	60.0
	6	69.0	69.1	67.1	63.4	62.0	61.3	61.1	61.2	61.2	61.3	61.5	61.2	61.4
	7	72.1	72.0	70.5	67.1	63.9	62.5	62.9	62.8	62.8	62.5	62.7	63.0	63.1
	8	70.8	69.5	68.1	65.0	62.4	63.1	62.2	62.5	62.6	62.0	62.8	63.3	62.0
	9	69.1	69.1	67.9	65.9	62.5	60.0	57.8	57.0	56.2	59.0	59.1	60.2	61.1
	10	68.6	69.0	67.2	64.8	66.0	66.9	64.9	63.9	61.5	60.0	60.0	62.5	62.1
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	71.9	70.4	67.1	65.1	63.9	63.0	62.8	61.4	61.9	60.1	60.2	60.1	59.0
	13	70.9	70.9	67.1	63.0	60.0	59.9	60.0	61.4	61.3	60.8	60.1	63.9	59.5
	14	67.2	67.2	64.2	63.0	62.1	62.0	61.3	61.2	61.6	61.4	61.5	61.9	62.5
	15	69.8	69.2	66.3	62.8	61.3	59.7	58.8	58.7	58.8	58.5	59.1	59.7	61.0
	16	64.9	62.9	60.8	60.2	59.0	59.0	58.0	57.0	57.1	58.0	58.6	58.1	59.0
	17	65.8	65.4	63.6	61.6	60.0	58.4	56.4	56.5	57.0	58.9	59.2	58.6	59.8
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	67.1	67.2	64.2	62.0	59.5	59.1	58.5	61.4	58.8	54.7	54.0	57.8	59.8
	20	71.0	62.1	73.2	70.0	63.8	62.3	61.0	59.1	60.9	59.5	57.8	58.4	59.8
	21	65.0	65.1	64.9	63.1	61.1	61.0	60.1	58.0	61.2	60.7	58.2	58.7	58.1
	22	63.3	63.7	63.1	63.9	62.0	61.1	61.0	56.1	55.9	55.9	57.7	58.5	59.7
	23	64.0	64.9	63.8	62.8	61.1	60.8	59.7	59.5	61.5	61.5	60.5	61.0	62.2
	24	71.2	69.4	67.9	65.0	62.8	61.8	61.5	60.8	60.7	63.0	61.4	62.0	63.0
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	73.1	72.5	71.1	69.2	66.8	65.4	63.5	62.3	61.8	61.5	62.0	62.2	62.8
	27	71.1	72.0	70.8	67.8	64.5	62.2	61.0	60.4	60.0	60.0	59.8	60.0	60.8
	28	70.5	70.7	67.0	63.6	61.2	60.2	60.0	59.8	58.8	58.0	58.1	61.4	60.7
	29	60.9	60.3	57.8	54.9	50.0	52.4	54.7	55.6	55.7	56.1	56.0	56.0	56.9
	30	65.1	65.1	63.1	60.1	58.0	55.1	56.4	58.1	58.3	58.7	57.6	59.0	58.4
Hourly Means	68.04	68.18	66.40	63.92	61.75	60.92	60.29	59.88	59.69	59.70	59.60	60.21	60.53	
TEMPERATURE OF THE BIFILAR MAGNET.														
SEPTEMBER.	1	—	60.0	60.0	60.4	60.8	60.9	61.0	60.8	60.2	60.0	59.9	59.9	59.8
	2	60.0	60.7	61.2	61.7	61.8	61.8	61.4	61.0	60.9	60.8	60.7	60.6	60.5
	3	59.8	60.0	60.2	60.7	60.9	60.9	60.9	60.7	60.2	60.0	60.0	59.9	59.8
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	59.4	59.8	60.0	60.3	60.3	60.3	60.3	60.0	60.0	59.9	59.6	59.5	59.4
	6	59.1	59.7	59.9	60.3	60.7	60.7	60.5	60.1	59.9	59.8	59.7	59.7	59.6
	7	59.2	59.7	60.0	60.6	60.9	61.4	61.2	60.9	60.7	60.4	60.4	60.1	59.9
	8	59.8	59.9	60.0	60.8	61.0	61.0	61.1	61.0	61.0	60.7	60.3	60.0	60.0
	9	60.1	60.8	61.6	62.1	62.7	62.7	62.4	61.9	61.5	61.4	61.0	60.8	60.7
	10	60.5	61.1	61.5	61.9	62.0	62.1	62.1	62.0	61.7	61.2	61.1	61.0	61.0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	59.8	60.0	60.5	60.9	61.0	61.0	60.9	60.6	60.3	60.0	60.1	60.0	60.0
	13	59.9	60.0	60.9	61.1	61.6	61.7	61.7	61.3	61.0	60.8	60.5	60.1	60.0
	14	60.2	60.5	60.9	61.1	61.7	61.8	61.9	61.4	61.1	61.0	60.7	60.3	60.2
	15	60.2	60.8	61.2	61.7	61.8	61.8	61.8	61.2	61.0	60.9	60.9	60.8	60.5
	16	60.9	61.3	61.6	61.9	61.9	62.3	62.3	61.9	61.8	61.5	61.3	61.2	61.1
	17	60.9	61.1	61.6	61.9	61.9	61.9	61.9	61.7	61.4	61.1	61.0	61.0	60.9
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.3	62.2	63.0	63.7	63.4	63.1	63.0	62.3	62.0	61.8	61.2	61.0	60.9
	20	60.9	61.6	62.1	62.5	62.8	62.8	62.6	62.0	61.9	61.6	61.3	61.0	60.9
	21	61.0	60.9	62.4	62.8	63.0	62.9	62.9	62.2	62.0	61.9	61.9	61.8	61.6
	22	61.1	61.7	62.0	62.1	62.5	62.4	62.3	62.0	62.0	61.8	61.7	61.6	61.4
	23	60.2	60.3	60.3	60.4	60.5	60.7	60.8	60.7	60.3	60.2	60.1	60.0	60.0
	24	60.0	60.5	61.0	61.3	61.7	61.7	61.7	61.2	61.0	60.8	60.4	60.0	60.0
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	60.0	61.0	61.8	62.7	63.2	63.8	64.0	63.8	63.1	62.9	62.6	62.0	61.9
	27	61.8	62.4	62.9	63.4	64.0	64.1	64.0	63.7	63.1	63.0	62.8	62.4	62.0
	28	62.1	62.9	63.9	65.0	65.8	66.2	66.1	65.7	65.0	64.7	64.0	63.9	63.5
	29	63.0	63.8	64.8	65.9	66.4	67.0	66.8	66.1	65.5	64.9	64.5	64.1	63.9
	30	63.0	63.3	63.9	64.1	64.8	65.1	65.0	64.7	64.1	63.9	63.8	63.7	63.4
Hourly Means	60.57	61.00	61.51	61.97	62.27	62.39	62.33	61.96	61.64	61.42	61.21	61.01	60.88	

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. .00023.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.	
SEPTEMBER.	1	63.8	64.7	65.8	67.2	67.5	68.2	67.1	64.8	62.3	64.6	61.4	65.99
	2	63.8	60.7	60.8	60.0	61.0	61.5	62.4	61.0	61.0	63.9	64.1	59.92
	3	—	—	—	—	—	—	—	—	—	—	—	62.66
	4	63.0	63.7	63.8	63.9	63.0	63.4	64.3	62.0	63.6	67.2	70.8	
	5	61.0	62.0	63.3	62.8	63.4	63.5	63.3	63.0	63.1	65.2	66.9	63.64
	6	62.2	62.8	63.0	64.4	64.7	63.6	64.0	63.9	65.0	68.1	70.5	63.87
	7	63.3	63.5	64.5	64.7	64.8	65.0	65.1	65.0	66.0	66.9	68.1	65.20
	8	62.5	63.6	64.0	64.1	64.1	64.0	63.8	63.2	64.2	66.0	67.1	64.29
	9	61.9	62.1	62.9	63.4	63.8	64.1	63.8	62.3	63.2	65.0	66.3	62.65
	10	—	—	—	—	—	—	—	—	—	—	—	64.15
	11	63.3	62.3	61.6	62.0	62.2	64.5	64.2	62.8	64.3	66.1	69.0	
	12	62.0	60.2	62.7	64.0	64.1	61.3	60.0	61.9	63.4	67.9	67.0	63.39
	13	59.9	61.0	62.0	64.9	63.7	62.7	62.0	62.0	63.9	64.8	66.8	63.02
	14	62.9	62.7	62.5	63.4	63.8	64.2	63.7	63.7	65.3	68.1	68.9	63.60
	15	61.3	61.2	61.8	61.9	61.9	62.0	62.0	63.2	63.5	65.0	65.5	62.21
	16	59.0	58.8	59.3	61.1	61.0	61.1	61.5	60.8	61.0	62.9	64.9	60.17
	17	—	—	—	—	—	—	—	—	—	—	—	61.02
	18	60.7	60.5	61.0	62.8	61.7	61.8	61.8	61.7	61.3	63.9	66.0	
	19	58.1	62.6	64.8	65.2	61.5	62.2	63.5	64.5	66.8	65.1	67.7	61.92
	20	65.4	61.7	59.3	60.0	60.9	61.6	60.3	61.9	61.1	62.9	62.8	62.78
	21	61.2	63.1	60.7	61.0	60.9	61.0	61.3	61.1	60.9	60.2	61.8	61.18
	22	61.3	62.3	62.3	61.4	61.9	60.7	60.5	59.0	59.1	58.8	63.3	60.52
	23	61.7	61.2	62.6	63.1	63.7	63.9	63.0	64.3	65.6	67.9	70.2	62.94
	24	—	—	—	—	—	—	—	—	—	—	—	64.90
	25	64.2	64.4	64.8	64.9	64.6	64.9	65.0	65.5	67.3	69.5	72.0	
	26	62.8	63.0	63.3	63.0	63.1	63.5	63.5	64.1	66.4	68.4	69.9	65.22
	27	61.4	62.0	62.2	62.3	62.9	62.5	62.9	62.9	64.1	66.2	68.6	63.68
	28	60.0	61.5	60.8	61.0	61.1	64.8	63.3	62.5	63.2	62.9	60.3	62.14
	29	57.3	59.8	59.9	59.0	58.9	59.2	59.3	59.4	62.2	62.9	65.4	57.94
	30	58.3	59.7	58.7	58.6	58.9	59.8	60.0	61.9	63.6	64.0	64.9	60.06
Hourly Means	61.63	61.96	62.25	62.70	62.66	62.90	62.74	62.63	63.51	65.17	66.55		
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
SEPTEMBER.	1	59.7	59.6	59.4	59.4	59.3	59.1	59.1	59.0	59.0	59.3	59.7	59.84
	2	60.2	60.9	60.0	59.8	59.7	59.5	59.3	59.1	59.1	59.1	59.3	60.34
	3	—	—	—	—	—	—	—	—	—	—	—	59.65
	4	58.9	58.9	58.9	58.9	58.9	58.9	58.8	58.8	58.8	59.0	58.9	
	5	59.3	59.4	59.2	59.2	59.2	59.1	59.0	59.0	59.0	58.9	58.9	59.54
	6	59.4	59.3	59.2	59.2	59.0	59.0	58.9	58.9	58.9	58.9	59.0	59.56
	7	60.0	60.0	59.9	59.8	59.6	59.5	59.4	59.2	59.1	59.3	59.5	60.03
	8	60.0	59.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	60.20
	9	60.5	60.5	60.4	60.2	60.1	60.0	60.0	60.0	59.9	60.0	60.0	60.89
	10	—	—	—	—	—	—	—	—	—	—	—	60.59
	11	59.9	59.8	59.9	59.8	59.5	59.4	59.4	59.4	59.2	59.2	59.4	
	12	60.0	59.7	59.6	59.6	59.6	59.3	59.2	59.2	59.1	59.1	59.4	59.95
	13	60.0	60.0	59.9	59.8	59.9	59.9	59.8	59.7	59.7	59.8	60.0	60.38
	14	60.1	60.1	59.9	59.9	59.8	59.7	59.7	59.7	59.7	59.8	59.9	60.46
	15	60.2	60.2	60.2	60.1	60.0	60.0	59.9	59.9	59.9	60.1	60.4	60.64
	16	61.0	61.0	61.0	60.9	60.7	60.6	60.5	60.4	60.3	60.5	60.7	61.19
	17	—	—	—	—	—	—	—	—	—	—	—	60.74
	18	59.9	59.9	59.9	59.9	59.8	59.9	59.9	59.8	59.8	60.2	60.4	
	19	60.8	60.6	60.5	60.4	60.2	60.0	60.0	59.9	60.0	60.0	60.0	61.30
	20	60.8	60.7	60.6	60.5	60.1	60.0	60.0	60.0	60.0	60.0	60.1	61.13
	21	61.5	61.3	61.3	61.3	61.0	61.0	60.8	60.9	60.8	60.8	61.0	61.62
	22	61.2	61.0	61.0	60.9	60.8	60.8	60.8	60.8	60.6	60.2	60.2	61.37
	23	59.9	59.7	59.7	59.6	59.6	59.5	59.2	59.1	59.1	59.2	59.5	59.94
	24	—	—	—	—	—	—	—	—	—	—	—	60.26
	25	59.7	59.6	59.7	59.8	59.7	59.5	59.5	59.2	59.3	59.3	59.6	
	26	61.9	61.7	61.4	61.2	61.0	61.0	61.0	60.9	60.9	60.9	61.2	61.91
	27	61.9	61.9	61.8	61.7	61.6	61.5	61.5	61.4	61.1	61.4	61.7	62.38
	28	63.2	62.9	62.9	62.8	62.8	62.7	62.5	62.5	62.4	62.4	62.5	63.68
	29	63.8	63.7	63.2	63.0	62.9	62.8	62.7	62.5	62.6	62.7	62.8	64.14
	30	63.3	63.3	63.1	63.0	63.0	62.9	62.9	62.9	62.8	62.8	62.9	63.57
Hourly Means	60.66	60.56	60.48	60.40	60.29	60.21	60.14	60.08	60.03	60.11	60.28		



HORIZONTAL FORCE.														
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
OCTOBER.	1	66.0	65.2	64.9	63.4	62.0	59.9	59.9	58.1	57.1	57.1	55.8	57.8	57.4
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	67.9	68.0	65.6	63.2	62.0	60.5	59.9	60.3	60.9	60.6	60.0	60.9	61.3
	4	71.8	68.9	67.5	65.0	63.0	64.0	63.6	62.5	61.1	60.5	59.9	60.6	61.1
	5	72.7	72.9	71.0	68.5	65.1	63.0	60.9	60.2	61.0	61.1	61.0	61.1	61.8
	6	69.9	71.0	69.3	66.3	63.8	61.8	60.9	60.1	60.8	60.8	61.8	62.2	62.9
	7	72.1	73.0	71.5	69.0	66.0	63.2	62.1	61.7	59.4	60.5	60.9	61.5	62.0
	8	72.8	73.0	73.0	68.9	64.3	62.0	58.1	56.9	56.5	56.2	60.1	57.9	59.0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	68.9	69.4	68.5	67.0	65.0	63.9	61.9	61.1	61.3	61.8	60.9	62.0	61.8
	11	70.5	70.6	69.0	66.2	63.8	62.4	61.0	61.2	61.2	61.8	62.1	62.2	62.2
	12	71.0	70.1	68.0	66.1	64.0	62.1	61.1	61.1	61.1	61.1	61.1	61.3	61.8
	13	74.8	72.2	68.9	63.8	58.5	53.7	52.2	49.1	48.6	46.8	52.2	54.6	57.6
	14	67.1	66.1	63.9	59.8	52.8	50.0	49.7	53.4	54.8	55.5	55.2	55.6	56.0
	15	67.9	66.1	65.2	62.1	61.4	60.0	58.9	57.2	57.9	55.1	54.1	54.7	56.6
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	60.1	62.0	60.9	60.0	59.8	59.1	57.7	53.0	54.8	55.0	54.9	56.2	58.0
	18	68.4	69.3	68.1	65.2	62.7	61.0	59.2	58.2	59.4	57.3	60.3	58.6	57.1
	19	69.0	67.1	65.1	65.0	63.7	62.1	60.0	60.3	61.3	60.1	59.8	61.2	60.8
	20	70.0	67.1	67.8	66.9	65.4	64.2	61.1	59.1	60.0	59.1	59.7	60.5	61.7
	21	72.1	71.1	69.0	66.1	63.7	63.0	61.4	60.9	60.0	58.9	58.7	58.2	59.5
	22	68.8	68.8	66.7	65.0	64.8	63.5	62.3	61.2	61.2	61.3	61.5	60.3	60.3
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	63.9	62.3	60.8	63.0	60.2	59.8	60.2	60.3	60.3	59.8	59.7	60.3	60.3
	25	69.8	70.0	69.0	67.1	63.2	60.6	59.8	57.8	55.5	56.0	57.9	59.2	59.2
	26	67.5	64.0	62.1	61.1	61.0	60.4	60.9	61.1	58.5	56.4	55.0	53.6	55.0
	27	62.0	60.0	58.9	53.2	53.1	56.1	57.1	56.9	54.0	53.9	55.0	56.4	57.2
	28	63.1	61.7	59.8	59.0	58.4	57.8	58.8	58.2	56.3	58.0	59.7	60.0	60.6
	29	66.3	63.9	62.6	62.0	62.0	59.3	58.8	59.1	59.9	59.5	59.2	57.8	61.5
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	67.3	67.9	66.9	65.0	63.0	61.2	60.7	60.1	60.0	60.0	60.4	60.7	60.9
Hourly Means	68.53	67.76	66.31	64.15	62.03	60.56	59.55	58.81	58.57	58.24	58.73	59.05	59.75	
TEMPERATURE OF THE BIFILAR MAGNET.														
OCTOBER.	1	63.0	63.2	63.5	63.6	63.6	63.4	63.2	63.0	62.9	62.9	62.8	62.6	62.4
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	61.9	62.5	63.0	63.8	64.2	64.3	64.1	63.8	63.1	62.8	62.4	62.2	62.0
	4	62.0	61.9	61.9	62.1	62.7	62.9	62.9	62.4	62.1	61.9	61.9	61.8	61.6
	5	61.1	61.6	61.8	62.0	62.1	62.4	62.4	62.1	62.0	62.0	61.8	61.6	61.4
	6	61.4	61.9	62.7	63.2	63.7	63.8	63.5	63.0	62.9	62.6	62.3	62.0	61.9
	7	61.1	61.3	62.0	62.4	62.8	62.9	62.1	62.9	62.8	62.4	62.1	62.0	61.9
	8	61.8	62.0	62.8	63.1	63.8	64.0	63.9	63.6	63.0	62.9	62.4	62.2	62.0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	61.0	61.7	62.1	62.9	63.8	64.0	64.1	63.8	63.2	62.9	62.4	62.2	61.9
	11	61.7	62.4	63.0	63.7	64.0	64.1	63.9	63.7	63.1	62.9	62.7	62.3	62.1
	12	62.0	62.8	63.1	63.8	64.1	64.3	64.1	63.9	63.9	63.6	63.3	63.1	62.9
	13	62.7	63.0	63.7	64.1	65.0	65.2	65.4	65.0	64.8	64.3	64.0	63.8	63.6
	14	63.7	64.5	65.0	65.7	66.0	66.1	66.1	66.0	65.7	65.0	64.9	64.7	64.2
	15	63.1	63.6	64.0	64.1	64.3	64.5	64.4	63.9	63.9	63.8	63.2	63.1	63.0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	61.9	62.0	62.1	62.4	62.6	62.5	62.6	62.2	62.0	62.0	61.9	61.8	61.8
	18	61.7	61.9	62.0	62.1	62.1	62.0	62.1	62.0	61.7	61.6	61.4	61.2	61.1
	19	61.0	61.4	61.9	62.4	62.6	62.7	62.3	62.0	62.0	61.8	61.5	61.4	61.2
	20	61.2	61.6	61.8	62.1	62.6	62.6	62.7	62.1	62.1	62.0	61.9	61.7	61.5
	21	61.1	61.9	62.2	62.9	63.0	63.0	62.9	62.6	62.1	62.0	61.9	61.8	61.5
	22	61.1	61.8	62.1	62.4	62.8	62.9	62.8	62.6	62.2	61.9	61.9	61.7	61.2
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	61.1	61.9	62.2	62.7	62.8	62.9	62.8	62.4	62.0	61.9	61.5	61.4	61.2
	25	61.7	62.0	62.7	63.2	63.5	63.6	63.5	63.0	62.9	62.7	62.3	62.0	62.0
	26	62.4	62.9	63.2	63.5	63.8	63.8	63.7	63.1	63.0	62.9	62.9	62.5	62.3
	27	63.1	64.0	64.3	64.5	64.6	64.5	64.4	63.9	63.8	63.4	63.0	62.9	62.6
	28	62.0	62.5	62.8	63.0	63.0	63.0	63.0	62.8	62.4	62.1	61.9	61.9	61.7
	29	61.7	62.0	62.4	62.7	62.9	62.9	63.0	62.4	62.1	62.0	61.8	61.6	61.4
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	60.8	61.1	61.6	62.0	62.1	62.0	62.1	61.9	61.8	61.6	61.4	61.1	61.0
Hourly Means	61.82	62.28	62.69	63.09	63.40	63.47	63.38	63.08	62.83	62.61	62.36	62.18	61.98	

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = 00028.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.	
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	60.3	60.5	62.0	61.8	61.0	61.2	60.4	61.2	63.7	65.1	67.8	
	3	61.3	62.1	62.3	62.3	63.4	64.2	64.0	65.4	68.4	69.9	69.0	
	4	61.6	61.8	62.1	62.1	—	62.4	62.0	62.8	65.5	68.0	70.2	
	5	62.1	62.7	63.3	63.2	63.0	63.1	63.5	64.0	66.1	67.7	69.1	
	6	63.7	63.9	64.0	64.0	64.8	63.7	64.7	66.1	67.0	68.5	71.0	
	7	62.0	62.1	63.6	62.6	63.0	63.3	63.3	64.3	66.6	67.7	72.1	
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	63.0	62.9	63.3	63.1	63.4	63.9	62.5	62.9	63.8	64.7	66.4	
	10	62.4	63.0	62.6	62.8	63.0	62.8	63.0	63.1	63.9	66.8	69.0	
	11	63.0	62.8	63.0	62.5	63.0	63.3	63.1	64.1	65.9	67.8	70.0	
	12	61.7	62.3	62.6	63.2	63.6	63.0	63.7	64.3	67.1	70.7	73.6	
	13	59.6	59.3	58.0	60.5	61.5	60.3	59.5	60.0	63.1	65.0	66.1	
	14	57.1	56.9	57.8	58.3	59.0	60.0	60.2	62.2	63.5	66.5	68.8	
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	59.0	60.8	60.5	60.4	60.2	60.0	59.8	59.7	60.4	62.2	60.0	
	17	58.9	57.8	61.8	60.1	60.4	60.1	60.0	63.5	64.1	64.9	66.0	
	18	59.1	61.0	61.6	62.0	62.9	62.1	61.0	63.0	64.6	67.1	68.3	
	19	61.2	62.6	61.5	62.0	61.7	62.0	62.0	63.9	67.1	69.3	70.4	
	20	61.8	61.2	61.0	61.5	62.0	62.5	61.4	61.9	64.7	68.2	71.2	
	21	60.1	59.9	60.6	61.1	60.7	61.8	61.1	62.0	64.8	67.0	68.5	
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	61.3	61.9	60.4	60.0	61.0	59.9	60.0	59.5	60.0	63.3	64.9	
	24	61.2	61.0	61.9	63.3	62.0	62.4	62.3	63.2	64.8	67.0	68.8	
	25	59.7	59.0	59.4	60.9	61.1	61.0	60.8	62.2	64.8	65.0	67.2	
	26	55.6	56.8	57.6	57.9	58.7	58.9	59.5	61.9	63.0	64.8	63.1	
	27	60.2	58.8	58.6	58.6	58.8	59.4	59.2	60.1	63.5	64.1	64.0	
	28	60.4	60.7	60.6	60.4	60.8	61.2	61.0	62.9	64.0	64.9	65.0	
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	61.2	60.7	61.0	61.3	60.6	60.3	61.1	62.9	64.0	66.1	67.5	
	31	61.0	60.8	61.7	62.0	62.0	62.2	62.8	64.9	67.1	69.0	70.2	
Hourly Means	60.71	60.90	61.26	61.46	61.66	61.73	61.61	62.77	64.67	66.59	68.01		

TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	61.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2
	3	61.9	61.7	61.6	61.5	61.5	61.3	61.3	61.2	61.1	61.1	61.8
	4	61.3	61.3	61.3	61.2	—	60.8	60.8	60.7	60.6	60.7	60.9
	5	61.1	61.1	61.0	61.0	61.0	60.9	60.9	60.7	60.5	60.8	61.0
	6	61.9	61.9	61.8	61.7	61.6	61.5	61.1	61.1	61.1	61.1	61.1
	7	61.9	61.6	61.5	61.3	61.1	61.0	61.0	61.0	61.0	61.1	61.3
	8	—	—	—	—	—	—	—	—	—	—	—
	9	61.0	61.0	60.9	60.8	60.7	60.6	60.6	60.4	60.2	60.2	60.4
	10	61.8	61.7	61.5	61.4	61.5	61.1	61.0	61.0	60.9	61.0	61.0
	11	62.0	62.0	62.0	61.9	61.8	61.8	61.7	61.6	61.4	61.7	61.9
	12	62.7	62.6	62.5	62.4	62.4	62.1	62.0	62.0	62.0	62.0	62.3
	13	63.1	63.0	63.0	62.9	62.6	62.4	62.2	62.1	62.0	62.5	63.0
	14	64.0	63.7	63.6	63.4	63.2	63.0	62.9	62.8	62.8	62.9	62.9
	15	—	—	—	—	—	—	—	—	—	—	—
	16	61.8	61.8	61.8	61.8	61.7	61.4	61.4	61.4	61.4	61.4	61.6
	17	61.7	61.6	61.5	61.4	61.3	61.3	61.3	61.3	61.4	61.6	61.6
	18	61.1	61.1	61.0	61.0	60.9	60.9	60.8	60.8	60.6	60.6	60.8
	19	61.2	61.0	61.1	60.9	60.9	60.9	60.9	60.8	60.8	60.9	61.0
	20	61.3	61.0	61.0	61.0	60.9	60.9	60.7	60.5	60.2	60.7	61.0
	21	61.4	61.2	61.0	60.9	60.9	60.8	60.7	60.7	60.6	60.8	60.9
	22	—	—	—	—	—	—	—	—	—	—	—
	23	60.7	60.7	60.7	60.7	60.4	60.2	60.2	60.2	60.1	60.3	60.8
	24	61.1	60.9	60.9	60.9	60.9	60.8	60.7	60.7	60.7	60.8	61.0
	25	61.8	61.9	61.9	61.7	61.6	61.6	61.6	61.6	61.6	61.7	61.9
	26	62.2	61.9	61.9	61.8	61.8	61.7	61.6	61.6	61.6	61.8	62.0
	27	62.4	62.0	62.0	61.9	61.9	61.7	61.6	61.2	61.1	61.5	61.9
	28	61.4	61.3	61.2	61.1	61.0	60.9	60.9	60.9	60.9	61.0	61.3
	29	—	—	—	—	—	—	—	—	—	—	—
	30	60.6	60.6	60.6	60.6	60.3	60.3	60.2	60.1	60.0	60.0	60.3
	31	61.0	60.8	60.7	60.6	60.7	60.5	60.2	60.1	60.0	60.0	60.2
Hourly Means	61.67	61.55	61.50	61.41	61.34	61.21	61.13	61.06	60.98	61.12	61.35	

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Faht. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .
NOVEMBER.	1	70.8	70.8	68.2	66.9	65.0	63.9	62.4	61.4	61.8	61.2	61.8	62.3
	2	67.7	66.4	63.9	60.7	59.0	59.2	59.6	59.8	60.2	57.4	53.3	53.0
	3	64.6	67.3	69.1	65.6	63.3	59.0	54.4	51.1	50.0	51.7	52.8	54.8
	4	67.5	67.4	65.9	64.0	61.1	59.1	58.1	57.3	57.2	58.0	58.2	58.7
	5	68.8	67.9	66.6	64.1	62.1	60.8	61.1	60.5	60.6	60.2	59.9	60.1
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	67.1	67.0	66.0	63.8	62.4	61.1	60.4	60.0	58.9	58.4	58.2	58.9
	8	68.8	67.7	66.9	65.6	64.1	63.0	62.0	60.1	59.9	59.7	59.9	59.9
	9	70.0	69.2	67.0	65.0	64.3	64.0	63.3	61.9	59.9	58.7	56.8	57.5
	10	57.7	53.1	54.6	54.4	51.2	56.2	50.8	52.0	52.5	55.8	55.5	54.9
	11	64.0	62.0	61.8	60.5	59.7	59.2	59.5	58.0	57.5	57.0	55.2	56.7
	12	63.5	64.6	64.2	62.8	61.0	59.6	58.0	57.2	57.3	57.0	57.1	58.2
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	67.1	67.8	66.9	63.9	63.4	62.2	61.1	60.2	59.3	59.2	59.4	59.7
	15	67.1	67.3	66.0	65.1	63.7	63.0	61.8	60.9	60.2	60.2	59.9	60.1
	16	65.1	63.1	61.3	61.3	61.8	61.2	58.1	55.0	53.0	53.1	55.0	56.8
	17	64.0	64.0	63.8	64.9	65.3	63.9	61.5	59.4	58.9	57.8	57.2	57.7
	18	66.0	65.3	64.9	63.9	62.9	62.9	62.0	60.2	60.3	61.1	60.9	60.0
	19	67.8	67.3	65.8	64.0	63.1	61.9	60.8	60.3	61.3	62.3	62.5	61.8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	66.2	65.0	64.5	63.8	62.3	60.0	58.4	57.2	55.8	53.7	50.0	47.7
	22	50.0	50.1	46.2	44.6	43.9	47.0	49.4	49.6	51.0	53.1	52.8	53.4
	23	56.0	56.0	56.8	56.9	54.8	53.6	53.1	52.1	54.0	53.1	53.8	54.0
	24	59.0	57.2	57.0	57.9	56.0	52.2	54.1	57.0	55.5	54.6	55.6	54.9
	25	62.2	60.8	60.0	58.2	58.0	57.4	57.0	56.0	55.5	55.2	55.9	56.5
	26	65.1	64.1	62.6	60.9	59.6	58.8	58.1	57.8	57.0	56.9	57.0	57.7
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	64.1	63.1	63.0	63.0	63.3	62.8	61.9	60.9	60.3	60.0	59.9	60.2
	29	64.8	62.1	64.9	64.9	65.9	65.0	62.2	60.2	60.8	60.6	61.7	61.1
	30	64.0	62.0	60.2	59.8	59.0	57.1	55.4	55.1	56.9	56.1	56.2	56.2
Hourly Means	64.58	63.79	63.00	61.79	60.62	59.77	58.63	57.74	57.52	57.39	57.15	57.40	58.07
TEMPERATURE OF THE BIFILAR MAGNET.													
NOVEMBER.	1	60.8	61.2	61.9	62.5	62.9	63.0	62.8	62.5	62.0	61.9	61.7	61.6
	2	61.5	61.9	62.7	63.2	63.7	63.7	64.0	63.6	63.0	62.7	62.2	62.0
	3	62.1	62.8	63.4	64.0	64.5	64.9	64.1	64.1	64.1	64.1	63.6	63.1
	4	62.9	63.6	64.0	64.9	65.4	65.9	65.8	65.2	64.8	64.2	63.9	63.7
	5	62.9	63.3	63.8	64.0	64.5	64.6	64.9	64.7	64.1	63.8	63.4	63.3
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	62.9	63.1	63.8	64.3	64.9	65.0	65.0	64.9	64.5	64.0	64.0	63.8
	8	63.7	64.0	64.8	65.0	65.0	65.0	65.0	64.8	64.5	64.1	64.0	63.9
	9	63.5	64.2	64.7	65.0	65.3	65.7	65.5	65.0	64.9	64.4	64.0	64.0
	10	63.1	63.3	63.7	63.9	64.0	64.1	64.2	64.0	63.8	63.6	63.5	63.3
	11	62.8	63.0	63.1	63.2	63.5	63.8	63.9	63.8	63.5	63.2	63.0	63.0
	12	62.6	62.9	63.5	64.0	64.0	64.0	64.0	63.9	63.7	63.4	63.1	63.0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	62.3	62.8	63.3	63.7	63.9	63.9	63.8	63.4	63.1	63.0	63.0	62.8
	15	62.0	62.6	63.0	63.4	63.8	63.8	64.0	63.7	63.3	63.1	63.0	62.9
	16	62.2	62.7	63.0	63.4	63.8	64.0	64.0	64.0	63.8	63.4	63.1	63.0
	17	62.4	62.9	63.0	63.4	63.6	63.9	63.8	63.7	63.6	63.1	63.0	63.0
	18	62.2	62.8	63.0	63.5	63.8	64.0	64.2	64.1	64.0	63.9	63.8	63.6
	19	62.8	62.9	63.0	63.6	63.9	64.0	64.0	64.0	63.9	63.7	63.6	63.3
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	62.2	62.9	63.4	64.1	64.8	65.1	65.5	65.3	65.1	64.9	64.5	64.0
	22	64.0	64.3	64.9	65.2	65.6	65.7	65.8	65.7	65.6	65.2	65.0	64.5
	23	63.8	63.8	64.0	64.0	64.1	64.1	64.0	63.9	63.9	63.8	63.7	63.7
	24	62.9	63.1	63.6	64.0	64.2	64.4	64.3	64.1	64.0	64.0	63.8	63.7
	25	63.5	64.0	64.7	65.0	65.1	65.2	65.2	65.0	64.8	64.2	64.1	64.0
	26	63.9	64.2	64.9	65.0	65.4	65.4	65.1	65.0	64.9	64.9	64.5	64.1
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	63.4	64.0	64.7	65.2	65.9	66.1	66.1	65.7	65.1	64.8	64.6	64.2
	29	63.5	63.9	64.1	64.7	65.0	65.0	65.0	64.9	64.7	64.5	64.1	64.0
	30	63.8	64.0	64.6	64.9	65.0	65.3	65.0	64.9	64.7	64.2	64.0	64.0
Hourly Means	62.83	63.24	63.72	64.12	64.45	64.60	64.58	64.38	64.13	63.85	63.62	63.46	63.29

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.
NOVEMBER.	1	62.2	62.3	63.0	62.9	62.5	62.0	61.7	63.0	65.9	66.9	67.4	64.06
	2	56.8	57.8	58.2	58.8	60.0	60.0	61.9	65.1	66.0	65.8	64.4	60.42
	3	56.2	57.2	58.2	58.3	59.0	59.9	60.8	63.9	64.1	66.0	66.2	59.61
	4	59.5	59.8	59.9	59.7	61.0	60.5	60.4	62.3	65.1	67.9	68.6	61.52
	5	—	—	—	—	—	—	—	—	—	—	—	62.51
	6	61.0	61.1	61.7	61.0	61.0	60.8	61.2	62.1	64.3	65.8	67.4	61.66
	7	59.9	59.7	59.5	59.3	59.8	60.0	60.0	61.9	64.0	65.9	68.0	64.37
	8	60.5	64.4	64.7	64.1	64.5	64.4	65.2	67.8	70.4	71.5	69.7	62.52
	9	60.8	60.8	60.7	61.3	60.0	59.9	61.8	64.2	63.9	65.4	62.6	56.10
	10	56.0	57.2	57.1	57.5	57.8	58.2	58.9	58.5	58.7	58.9	61.0	58.93
	11	56.8	56.5	57.3	57.2	57.4	57.2	57.8	60.1	61.0	62.3	63.5	60.34
	12	—	—	—	—	—	—	—	—	—	—	—	62.15
	13	58.0	58.0	58.0	58.5	59.0	58.5	59.5	61.2	65.2	67.0	67.0	62.49
	14	59.9	59.5	59.8	60.4	60.6	60.8	61.7	63.2	64.8	65.0	66.1	59.15
	15	60.2	60.2	60.5	61.0	60.6	60.7	60.8	63.8	65.2	65.9	65.4	60.90
	16	58.4	58.6	58.4	58.2	58.0	57.8	59.3	60.8	62.0	62.4	63.0	62.45
	17	57.9	57.9	57.8	57.8	58.0	58.6	59.2	62.0	64.9	65.0	65.9	63.11
	18	60.2	60.6	60.7	60.8	61.0	60.8	61.1	63.0	65.5	66.8	67.8	54.40
	19	—	—	—	—	—	—	—	—	—	—	—	53.31
	20	62.0	61.5	60.5	62.0	61.1	60.8	61.3	63.8	66.4	68.2	68.3	55.92
	21	46.4	46.8	52.0	59.8	56.0	53.0	47.0	45.6	46.4	49.9	50.0	57.07
	22	54.7	56.1	56.7	56.0	59.2	57.9	59.8	59.0	60.2	60.0	54.3	58.39
	23	55.3	56.4	55.4	55.5	56.0	56.9	57.9	59.6	60.8	60.6	59.1	60.75
	24	57.5	57.0	56.5	56.9	57.2	57.7	58.0	59.0	59.9	61.0	62.7	62.55
	25	57.1	57.2	57.8	57.9	58.0	57.8	58.9	60.0	61.1	61.9	63.9	63.12
	26	—	—	—	—	—	—	—	—	—	—	—	59.88
	27	60.7	60.8	60.3	60.7	60.8	61.1	62.0	63.8	64.7	65.0	64.0	62.45
	28	60.8	61.8	62.0	61.5	61.2	62.2	64.0	66.2	67.4	64.0	67.3	63.11
	29	60.8	61.2	62.8	61.2	63.0	63.7	64.8	66.0	66.0	65.0	65.0	62.55
	30	59.1	58.8	59.6	60.4	60.2	60.9	61.2	63.5	64.4	65.2	67.0	63.12
Hourly Means	58.41	58.81	59.20	59.56	59.73	59.70	60.24	61.90	63.40	64.20	64.45		
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	°
NOVEMBER.	1	61.2	61.0	61.0	61.0	60.9	60.8	60.8	60.6	60.5	60.7	60.9	61.48
	2	61.7	61.6	61.4	61.3	61.4	61.4	61.3	61.2	61.1	61.1	61.1	62.13
	3	62.7	62.4	62.3	62.3	62.1	62.0	62.0	61.9	61.9	62.1	62.4	62.99
	4	63.1	63.0	62.9	62.7	62.6	62.5	62.5	62.4	62.1	62.2	62.6	63.59
	5	—	—	—	—	—	—	—	—	—	—	—	63.31
	6	62.9	62.8	62.8	62.8	62.8	62.7	62.5	62.4	62.4	62.3	62.6	63.57
	7	63.3	63.1	62.9	62.8	62.8	62.8	62.8	62.7	62.8	62.8	63.0	63.74
	8	63.4	63.2	63.0	63.0	63.0	63.0	62.8	62.7	62.6	62.7	63.0	63.91
	9	63.6	63.4	63.2	63.1	63.1	63.0	63.0	62.9	62.8	62.8	62.9	63.18
	10	63.0	63.0	62.8	62.8	62.6	62.4	62.4	62.4	62.2	62.5	62.6	62.83
	11	62.9	62.6	62.4	62.4	62.4	62.2	62.0	62.0	62.0	62.1	62.2	62.78
	12	—	—	—	—	—	—	—	—	—	—	—	62.64
	13	62.1	62.1	62.0	62.0	62.0	62.0	61.9	61.9	61.8	61.9	62.0	62.66
	14	62.7	62.3	62.1	62.0	61.9	61.8	61.8	61.8	61.7	61.7	61.8	62.86
	15	62.6	62.2	62.0	62.0	62.0	62.0	62.0	62.0	61.9	61.9	62.0	62.85
	16	62.7	62.4	62.4	62.4	62.6	62.5	62.1	62.1	62.0	62.0	62.1	63.24
	17	62.9	62.7	62.7	62.6	62.5	62.3	62.2	62.1	62.1	62.0	62.0	62.82
	18	63.1	63.0	63.0	62.9	63.0	62.9	62.8	62.8	62.6	62.7	62.6	64.01
	19	—	—	—	—	—	—	—	—	—	—	—	64.44
	20	62.0	62.0	62.0	62.0	62.0	62.1	62.0	62.0	61.9	62.0	62.0	63.37
	21	64.0	63.9	63.8	63.8	63.7	63.7	63.6	63.6	63.4	63.3	63.7	63.43
	22	64.2	64.0	64.0	63.9	63.8	63.6	63.3	63.2	63.3	63.3	63.5	64.03
	23	63.2	63.1	63.0	62.9	63.0	62.8	62.7	62.6	62.4	62.5	62.6	63.89
	24	63.6	63.0	63.0	63.0	63.0	62.9	62.8	62.8	62.8	62.8	63.0	64.18
	25	63.9	63.8	63.7	63.6	63.6	63.4	63.3	63.0	63.0	63.1	63.6	63.80
	26	—	—	—	—	—	—	—	—	—	—	—	63.77
	27	63.0	63.0	63.0	63.0	63.0	62.8	62.8	62.8	62.8	62.9	63.0	
	28	63.9	63.7	63.6	63.4	63.3	63.2	63.2	63.1	63.0	63.0	63.1	
	29	63.7	63.4	63.2	63.0	63.0	62.9	62.9	62.8	62.7	62.9	63.4	
	30	63.7	63.4	63.3	63.1	63.0	62.8	62.7	62.5	62.3	62.6	62.9	
Hourly Means	63.04	62.85	62.75	62.68	62.66	62.56	62.47	62.40	62.31	62.38	62.58		

HORIZONTAL FORCE.														
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
	Sc. Div.	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	69.1	68.1	69.3	66.5	61.9	60.0	59.2	58.7	59.0	59.9	59.9	60.1	60.3
	2	68.1	67.1	66.1	66.0	65.0	65.0	63.4	61.8	61.1	60.6	61.5	61.5	62.2
	3	73.1	71.6	70.8	68.9	66.5	64.0	62.0	60.8	60.0	60.0	60.0	60.6	60.9
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	70.0	68.4	65.7	65.6	64.9	62.9	61.1	59.1	58.0	59.8	59.8	59.9	60.0
	6	62.1	61.0	61.0	61.1	61.0	60.3	60.0	58.9	57.8	58.0	58.9	59.1	59.0
	7	66.2	65.8	64.0	62.1	60.8	57.0	55.7	55.0	55.8	57.5	55.7	54.5	60.4
	8	64.0	63.2	61.4	60.9	61.0	59.3	58.0	57.1	56.8	56.8	58.0	58.1	58.2
	9	68.0	66.7	65.0	63.6	59.8	56.1	53.1	45.0	44.1	44.4	47.9	52.9	51.0
	10	60.7	60.8	60.2	59.5	58.5	57.5	56.0	54.4	52.3	52.3	54.8	55.9	57.0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	66.3	65.0	63.1	62.9	61.5	60.6	60.0	59.1	58.8	58.1	58.9	58.5	59.0
	13	66.0	66.1	65.9	65.9	65.2	64.7	65.8	62.0	59.1	57.0	55.3	56.5	57.0
	14	64.2	64.0	62.8	62.0	60.9	59.6	58.0	57.0	57.0	56.8	56.7	57.0	57.1
	15	65.0	64.9	63.0	60.7	58.8	57.9	56.2	55.0	55.9	55.0	56.0	56.9	56.1
	16	64.9	63.3	62.0	60.9	59.2	58.2	57.6	55.8	55.3	55.4	56.0	56.0	57.0
	17	63.3	63.2	63.7	62.9	60.8	59.6	58.0	57.5	57.3	57.1	57.1	57.8	59.1
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	66.1	67.0	65.0	63.0	61.1	59.0	57.1	56.3	57.0	56.2	57.1	56.0	57.8
	20	66.9	65.1	63.1	62.1	61.8	61.3	60.6	59.9	58.8	57.9	58.1	58.4	59.0
	21	66.3	66.0	64.9	63.6	62.6	60.0	58.6	58.7	58.3	57.8	58.0	57.4	58.2
	22	66.8	67.1	66.0	64.5	62.0	61.0	59.9	59.0	58.4	59.0	60.1	60.0	59.1
	23	63.1	62.2	60.9	57.5	56.0	55.0	54.1	54.0	53.1	53.9	54.0	54.1	54.1
	24	61.8	62.2	61.8	59.9	58.3	57.2	56.8	55.9	55.0	54.8	54.9	55.0	55.3
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	63.8	63.8	63.6	63.0	61.0	60.1	58.8	57.0	57.0	57.1	57.2	57.8	57.7
	27	64.1	64.2	64.1	61.8	59.3	59.1	57.8	56.8	57.0	57.0	56.2	56.5	57.0
	28	62.0	62.1	62.5	62.0	58.9	58.5	57.2	55.8	53.2	54.2	55.4	56.0	56.0
	29	61.8	63.6	62.9	60.0	57.7	56.0	54.9	53.9	52.2	51.9	52.0	53.1	52.5
	30	62.3	61.3	59.2	60.8	60.8	57.8	58.3	56.3	56.0	56.5	57.2	57.0	57.0
	31	64.9	65.9	64.8	62.3	60.0	59.8	58.2	58.1	58.2	58.2	58.0	59.0	59.0
	32	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	65.22	64.80	63.81	62.59	60.94	59.54	58.38	57.00	56.39	56.41	56.84	57.24	57.67	
TEMPERATURE OF THE BIFILAR MAGNET.														
DECEMBER.	1	63.2	63.9	64.1	64.5	64.7	64.8	64.8	64.6	64.0	63.8	63.8	63.6	63.3
	2	62.5	62.9	63.3	63.8	63.9	63.9	63.9	63.8	63.6	63.4	63.1	63.0	62.9
	3	63.0	63.2	63.8	64.0	64.2	64.2	64.1	64.0	63.9	63.8	63.7	63.5	63.1
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	63.3	63.7	64.2	64.7	65.0	65.1	65.1	65.0	64.8	64.4	64.0	64.0	63.9
	6	63.0	63.1	63.4	63.7	63.8	63.9	63.9	63.8	63.8	63.7	63.2	63.2	63.1
	7	63.0	63.2	63.7	64.0	64.1	64.2	64.4	64.2	63.9	63.7	63.4	63.1	63.0
	8	62.4	62.8	63.3	64.0	64.1	64.4	64.2	64.0	63.9	63.8	63.4	63.1	63.0
	9	62.8	63.0	63.4	63.9	64.1	64.7	64.8	64.9	64.8	64.9	64.7	64.2	64.0
	10	63.9	64.6	65.6	66.0	66.9	67.1	67.1	67.0	66.7	66.0	65.8	65.1	65.0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	63.7	64.0	64.4	64.9	65.0	65.0	65.0	65.0	64.9	64.6	64.1	64.0	64.0
	13	63.3	63.8	64.0	64.8	65.0	65.2	65.0	65.0	64.9	64.6	64.1	64.0	64.0
	14	63.6	64.0	64.5	64.9	65.1	65.5	65.6	65.5	65.2	65.0	64.9	64.4	64.1
	15	64.5	65.0	65.7	65.9	66.1	66.6	66.8	66.8	66.2	65.9	65.7	65.3	65.1
	16	64.2	64.9	65.0	65.7	65.9	66.0	66.2	66.6	66.3	66.0	65.7	65.1	65.0
	17	64.7	65.0	65.6	66.0	66.2	66.7	66.8	66.7	66.3	66.0	65.7	65.1	64.9
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	64.2	64.6	64.9	65.0	65.3	65.6	65.3	65.0	65.0	64.9	64.8	64.7	64.6
	20	63.8	64.0	64.5	65.0	65.3	65.9	65.9	65.6	65.4	65.0	64.9	64.7	64.5
	21	63.9	64.0	64.2	64.7	65.0	65.4	65.6	65.6	65.2	65.0	64.8	64.7	64.7
	22	64.1	65.0	65.5	66.0	66.5	66.9	67.1	67.0	66.9	66.8	66.3	66.0	65.8
	23	65.6	66.1	67.0	68.0	68.8	69.0	69.0	69.0	68.9	68.1	67.9	67.6	67.1
	24	66.7	67.1	67.8	68.1	68.5	68.8	68.8	68.5	68.0	67.9	67.8	67.2	67.0
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	66.0	66.2	66.9	66.9	67.0	67.0	66.9	66.9	66.6	66.4	66.1	65.9	65.7
	27	65.6	66.0	66.5	67.0	67.7	67.9	67.9	67.8	67.2	67.0	66.9	66.5	66.3
	28	65.3	65.8	66.1	66.6	66.8	66.9	67.0	67.0	66.7	66.5	66.0	65.9	65.8
	29	65.9	66.3	67.1	67.9	68.0	68.1	68.1	67.9	67.8	67.1	67.0	66.9	66.5
	30	65.5	65.9	66.2	66.9	67.0	67.2	67.5	67.2	67.0	66.9	66.7	66.2	66.0
	31	65.1	65.7	65.8	66.0	66.0	66.1	66.6	66.7	66.4	66.1	65.9	65.8	65.6
	32	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	64.18	64.58	65.05	65.51	65.78	66.00	66.05	65.97	65.71	65.46	65.20	64.92	64.74	

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.	
DECEMBER.	1	61.4	62.2	62.4	62.3	60.6	62.0	63.2	66.2	67.8	71.0	69.1	63.34
	2	62.1	62.1	62.0	62.0	62.8	63.2	64.3	67.8	70.2	72.4	73.6	64.66
	3	—	—	—	—	—	—	—	—	—	—	—	64.30
	4	62.2	61.9	61.1	61.0	62.0	62.4	63.1	64.6	67.1	69.0	69.6	
	5	61.9	63.3	63.3	63.4	61.0	62.5	61.4	61.6	62.2	62.1	62.8	62.53
	6	59.8	59.9	59.2	60.0	60.9	61.0	62.5	64.9	66.4	66.4	64.8	61.00
	7	57.8	59.2	60.1	61.5	60.6	60.6	61.8	64.4	66.2	66.3	66.0	60.62
	8	58.1	59.3	59.8	59.7	60.1	60.2	61.4	63.9	66.1	67.4	67.6	60.68
	9	51.8	50.9	51.3	52.9	52.9	54.4	54.6	57.5	59.2	60.1	60.2	55.14
	10	—	—	—	—	—	—	—	—	—	—	—	58.47
	11	58.0	58.8	58.6	58.8	58.1	58.0	58.9	61.3	63.1	64.6	65.1	
	12	59.9	59.6	59.4	59.8	60.0	59.8	61.0	62.2	64.4	66.0	65.9	61.24
	13	57.4	57.8	58.0	58.3	58.7	58.8	60.0	62.2	62.4	64.0	62.6	61.11
	14	58.7	58.4	58.2	57.8	57.7	58.6	59.0	59.9	61.3	63.5	64.3	59.60
	15	57.0	55.9	56.8	57.0	57.9	57.1	59.0	60.4	62.3	64.8	65.2	58.95
	16	57.2	57.6	57.4	57.5	57.6	58.2	58.6	59.7	61.2	62.3	62.8	58.82
	17	—	—	—	—	—	—	—	—	—	—	—	59.47
	18	—	56.0	55.8	56.0	56.3	56.8	57.3	59.8	62.1	64.4	66.0	
	19	58.0	57.4	57.7	58.1	58.0	58.3	59.5	61.2	63.0	63.1	66.0	59.96
	20	59.1	59.4	59.8	60.8	60.6	61.3	62.6	64.0	64.7	64.2	65.8	61.47
	21	58.8	58.6	59.0	58.8	59.3	59.4	59.7	59.1	61.9	64.0	65.8	60.62
	22	59.1	59.8	59.0	58.0	59.3	60.0	60.4	61.0	61.5	63.1	63.9	61.17
	23	55.0	55.3	55.4	55.7	56.0	56.9	57.3	58.0	58.0	58.8	60.7	56.63
	24	—	—	—	—	—	—	—	—	—	—	—	58.92
	25	58.0	59.3	59.7	59.5	59.3	58.9	60.0	61.2	62.5	62.7	64.1	
	26	57.4	57.8	58.0	59.0	59.1	59.9	59.5	59.9	60.8	61.8	63.5	59.77
	27	57.0	56.8	56.8	57.3	58.6	58.3	59.4	61.2	62.5	62.2	62.2	59.30
	28	56.1	57.0	56.8	56.8	56.2	56.5	57.8	58.3	58.8	60.3	62.0	57.93
	29	54.0	54.7	55.3	55.3	56.7	57.8	60.6	59.6	59.1	60.9	62.0	57.02
	30	56.9	59.1	59.9	60.8	59.1	59.5	59.7	60.9	62.1	62.5	64.1	59.38
	31	—	—	—	—	—	—	—	—	—	—	—	60.73
	32	58.5	58.6	58.3	58.7	59.3	59.3	60.5	62.9	62.8	65.0	67.3	
Hourly Means	58.12	58.40	58.48	58.77	58.84	59.25	60.11	61.62	62.95	64.18	64.93		
TEMPERATURE OF THE BIFILAR MAGNET.													
DECEMBER.	1	63.0	62.8	62.7	62.6	62.6	62.6	62.4	62.2	62.0	62.0	62.0	63.33
	2	62.9	62.8	62.7	62.4	62.5	62.5	62.5	62.3	62.1	62.4	62.6	62.99
	3	—	—	—	—	—	—	—	—	—	—	—	63.29
	4	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.7	62.5	62.7	62.9	
	5	63.8	63.6	63.5	63.5	63.3	63.2	63.1	63.1	63.0	63.0	63.0	63.89
	6	63.0	63.0	63.0	62.9	62.9	62.9	62.8	62.7	62.6	62.5	62.7	63.19
	7	62.9	62.9	62.9	62.8	62.8	62.7	62.4	62.3	62.1	62.1	62.1	63.16
	8	62.9	62.9	62.9	62.8	62.8	62.8	62.6	62.4	62.1	62.1	62.2	63.12
	9	63.9	63.9	63.8	63.8	63.8	63.7	63.6	63.3	63.0	63.1	63.3	63.89
	10	—	—	—	—	—	—	—	—	—	—	—	64.75
	11	63.8	63.7	63.7	63.6	63.4	63.3	63.3	63.1	63.0	63.1	63.2	
	12	63.9	63.8	63.7	63.6	63.5	63.3	63.2	63.1	63.1	63.0	63.0	63.99
	13	63.9	63.8	63.7	63.6	63.3	63.1	63.0	63.0	62.9	62.9	63.1	63.92
	14	64.0	63.9	63.9	63.7	63.8	63.5	63.4	63.2	63.2	63.4	63.9	64.26
	15	65.0	64.9	64.7	64.6	64.2	64.1	64.1	64.0	64.0	64.1	64.0	65.14
	16	65.0	64.8	64.8	64.6	64.6	64.5	64.3	64.1	64.0	64.0	64.1	65.06
	17	—	—	—	—	—	—	—	—	—	—	—	65.12
	18	—	64.6	64.6	64.6	64.2	64.0	64.0	64.0	64.0	64.0	64.0	
	19	64.4	64.3	64.2	64.1	64.0	63.9	63.9	63.8	63.6	63.6	63.7	64.47
	20	64.2	64.2	64.1	64.1	64.0	63.9	63.9	63.8	63.6	63.7	63.7	64.49
	21	64.6	64.2	64.3	64.3	64.1	64.0	64.0	64.0	63.9	63.9	63.9	64.50
	22	65.6	65.5	65.2	65.0	64.9	64.8	64.9	64.9	64.9	64.9	65.0	65.65
	23	66.9	66.7	66.6	66.4	66.1	66.0	66.0	65.9	65.9	65.9	66.1	67.11
	24	—	—	—	—	—	—	—	—	—	—	—	66.75
	25	65.7	65.6	65.6	65.5	65.5	65.4	65.3	65.3	65.1	65.2	65.7	
	26	65.6	65.5	65.4	65.4	65.3	65.3	65.3	65.2	65.0	65.0	65.3	65.95
	27	66.1	66.2	66.1	65.9	65.8	65.6	65.6	65.3	65.2	65.1	65.2	66.35
	28	65.7	65.7	65.6	65.4	65.3	65.0	65.0	65.0	65.0	65.1	65.3	65.85
	29	66.1	66.0	66.0	65.9	65.9	65.8	65.3	65.2	65.1	65.2	65.2	66.51
	30	65.9	65.8	65.7	65.6	65.4	65.2	65.1	65.0	65.0	65.0	65.0	66.04
	31	—	—	—	—	—	—	—	—	—	—	—	65.52
	32	64.9	64.9	65.0	65.0	65.0	65.0	65.0	64.9	64.9	65.0	65.0	
Hourly Means	64.48	64.40	64.34	64.24	64.14	64.03	63.96	63.84	63.73	63.78	63.90		

VERTICAL FORCE.														
One Scale Division = .0005 parts of the V. F.														
Mean Göttingen } Time. }	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means. <sup>g</sup>	
	Sc. Div.	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	3.2 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	13.2	13.4 <sup>b</sup>	13.1	12.5	13.0	12.9	12.9	12.9	13.8	13.6	14.0	14.2	13.9
	4	11.3	12.4	10.8	11.7	11.6	12.5	12.6	12.3	11.8	11.7	12.2	11.8	—
	5	Vib. <sup>c</sup>	14.3	14.0	14.3	13.6	12.9	12.4	11.4	11.5	11.6	11.7	12.4	—
	6	10.2	10.3	10.4	10.9	10.9	10.9	10.6	10.6	10.6	10.6	10.6	10.0	9.7
	7	9.3	8.4	7.8	8.2	8.2	9.3	9.2	9.7	9.5	9.3	9.3	9.3	8.5
	8	8.4	8.4	8.8	10.0	9.3	9.0	8.5 <sup>a</sup>	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	7.8	7.4	7.2	8.2	6.0	—
	10	7.3	9.0	9.8	9.7	9.4	9.4	9.3	9.2	9.3	9.3	Vib. <sup>c</sup>	7.5	—
	11	7.4	9.0	8.8	12.2	Vib. <sup>c</sup>	10.7	10.6	10.5	10.4	9.0	7.0	9.3	—
	12	6.0	6.1	7.4	6.9	10.0	7.5	7.5	7.1	6.9	6.9	6.5	5.8	—
	13	5.7	7.1	6.9	8.9	8.5	7.5	7.0	6.8	7.2	7.3	7.0	5.5	—
	14	3.7	4.0	5.6	6.9	7.4	6.6	6.2	5.9	5.2	—	—	7.3	—
	15	8.2	9.5	9.4	11.1	11.3	Vib. <sup>c</sup>	8.5	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	7.5	7.5	7.1	6.8	6.5	—
	17	6.6	5.8	7.2	9.5	9.8	9.0	8.8	8.1	7.9	8.3	8.3	8.0	—
	18	6.8	7.7	8.3	9.5	9.2	9.3	8.6 <sup>a</sup>	7.4	7.4	7.2 <sup>c</sup>	6.8	5.8	—
	19	6.1	7.4	7.9	7.6	6.4	6.1	6.8	5.6	5.4	8.9	4.2 <sup>d</sup>	4.4 <sup>d</sup>	—
	20	2.4 <sup>d</sup>	10.1	9.7	9.0	12.2	11.6	11.6	10.8	10.4	10.4	10.5	10.5	—
	21	11.0	11.9	11.2	10.6	10.4	9.8	9.1	9.7	10.2	Vib. <sup>c</sup>	8.1	8.0	—
	22	8.6	9.0	10.1	10.1	9.3	9.3	8.7 <sup>a</sup>	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	8.7	8.3	8.3	6.8	7.7	—
	24	8.3	9.6	11.9	12.5	11.6	10.5	9.9	9.9	9.6	9.2	9.1	8.8	—
	25	8.2	8.4	11.4	12.6	11.9	10.6	10.6 <sup>a</sup>	10.0	8.2	8.2	7.7	7.6	—
	26	7.6	Vib. <sup>c</sup>	11.6	12.0	11.6	10.3	9.2	9.0	8.7	8.7	8.2	7.3	—
	27	8.1	9.8	Vib. <sup>c</sup>	17.8	17.3	17.4	17.4	17.0	16.5	16.4	16.9	16.9	—
	28	18.8 <sup>a</sup>	— <sup>e</sup>	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	4.1	4.3	5.2	5.7	5.7	—
	31	6.5	6.8	9.0	10.5	9.8	9.4	9.4	9.5	9.5	8.9	9.8	8.7	—
Hourly Means <sup>f</sup>	8.02	8.76	9.60	10.33	10.26	9.77	9.45	9.11	8.88	9.13	8.73	8.31	—	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	65.4	—	66.4	66.1	65.6	65.2	65.0	64.6	64.5	64.3	64.2	64.0	
	4	64.6	65.1	65.6	65.6	65.2	65.0	64.8	64.5	64.4	64.0	63.9	64.0	
	5	—	65.9	67.0	67.4	66.5	65.9	65.2	65.2	65.1	64.6	64.6	64.4	
	6	64.8	65.4	66.1	66.0	65.4	65.2	65.1	64.6	64.5	64.4	64.4	64.6	
	7	64.6	65.3	65.5	65.4	65.1	64.6	64.3	64.1	64.0	63.5	63.5	63.5	
	8	63.8	64.2	64.6	65.0	64.6	64.4	64.2	—	—	—	—	—	
	9	—	—	—	—	—	—	—	64.6	64.5	64.2	64.1	64.0	
	10	64.9	66.0	66.7	67.0	66.2	65.6	65.4	65.2	65.0	64.5	—	64.4	
	11	65.1	66.1	67.4	67.4	—	66.4	66.0	65.4	65.0	64.7	64.5	64.8	
	12	65.5	67.1	67.8	68.5	67.5	66.6	66.1	65.7	65.4	65.2	65.0	65.0	
	13	65.4	66.5	67.7	67.8	67.0	66.8	66.4	66.0	65.9	65.6	65.5	65.3	
	14	66.0	67.1	67.7	67.8	67.2	66.8	66.4	66.2	66.1	—	—	65.4	
	15	66.1	67.0	67.6	68.0	67.5	—	66.7	—	—	—	—	—	
	16	—	—	—	—	—	—	—	65.1	65.1	65.0	64.9	64.9	
	17	66.0	67.0	67.5	68.2	67.8	67.2	66.8	66.5	66.4	66.2	66.1	66.0	
	18	66.4	67.1	68.0	67.8	67.5	67.1	67.0	66.9	66.5	—	66.0	66.1	
	19	66.6	67.1	67.5	67.4	67.1	67.0	67.0	66.8	66.6	66.6	66.4 <sup>d</sup>	66.2 <sup>d</sup>	
	20	66.5 <sup>d</sup>	67.0	66.9	67.0	66.9	66.8	66.1	66.0	65.6	65.0	65.0	65.0	
	21	65.5	66.5	67.1	67.5	67.0	66.5	66.0	65.6	65.1	—	65.2	65.3	
	22	66.0	67.0	67.6	68.0	67.5	67.0	66.6	—	—	—	—	—	
	23	—	—	—	—	—	—	—	66.6	66.5	66.2	66.0	66.1	
	24	67.0	68.2	69.8	70.2	69.5	68.8	68.3	67.7	67.3	67.0	66.8	66.6	
	25	67.4	68.6	70.0	71.0	70.4	69.4	68.8	68.4	68.0	68.0	67.5	67.6	
	26	68.0	—	70.0	70.3	69.7	69.2	68.9	68.2	68.0	68.0	68.0	67.9	
	27	68.6	69.9	—	70.1	69.2	68.9	68.6	68.3	68.0	67.6	67.4	67.4	
	28	68.0	— <sup>e</sup>	—	—	—	—	—	—	—	—	—	—	
	29	—	—	—	—	—	—	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	68.1	68.0	67.4	67.4	67.8	
	31	69.5	70.3	71.1	71.8	71.2	70.5	70.0	69.4	69.0	68.8	68.6	68.5	
Hourly Means <sup>f</sup>	65.93	66.72	67.53	67.78	67.26	66.76	66.41	66.06	65.85	65.55	65.46	65.40	—	

<sup>a</sup> The time of vibration of the magnet observed.  
<sup>b</sup> Five minutes early; omitted in means; temperature not recorded.

<sup>c</sup> Fifteen minutes late; omitted in means; temperature not recorded.

<sup>d</sup> Omitted in means.

<sup>e</sup> Magnetometer re-adjusted; connexion broken.

<sup>f</sup> Observations of the 1st, 2nd, 27th, 28th, and 30th, omitted in the means.

<sup>g</sup> Daily and monthly means not taken, owing to the frequent removal of the magnet.

VERTICAL FORCE.														
One Scale Division = .0005 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means. <sup>g</sup>	
	Sc. Div.	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	7.8	6.7	8.9	9.5	9.7	10.4	9.9	10.0	9.5	10.5 <sup>a</sup>	10.3	10.7	—
	2	11.2	10.8	10.9	12.0	11.9	12.0	12.1	11.8	11.8	11.3	11.3	11.3	—
	3	9.8	10.1	12.0	11.7	12.1	12.7	12.8	13.4	13.2	13.2	12.8	12.2	—
	4	12.5	12.9	12.9	12.4	11.5	11.7	11.9	13.1	12.9	12.6	12.5	12.8	—
	5	13.7	14.3	13.4	Vib. <sup>b</sup>	12.9	12.3	13.8 <sup>b</sup>	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	10.6	10.3	10.3	9.4	7.7	—
	7	8.6	9.4	12.5	13.2	13.2	Vib. <sup>b</sup>	11.4	13.6	11.6	11.2	9.4	9.7	—
	8	10.2	12.2	13.7	13.3	12.8	12.4	14.5	13.3	12.9	12.9	12.5	11.2	—
	9	10.4	10.8	10.7 <sup>c</sup>	10.3	11.1	11.7	13.7	13.7	13.7	13.3	13.4	12.9	—
	10	13.1	14.3	15.2	16.1	15.3	14.9	14.7	13.1	13.4	14.7	14.7	14.5	—
	11	14.7	14.0	15.0	15.6	16.1	Vib. <sup>b</sup>	16.3	15.2	15.6	15.8	17.0	15.7	—
	12	15.4	15.0	15.7	16.0	16.5	16.4	16.8 <sup>b</sup>	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	19.2	18.8	18.6	Vib. <sup>b</sup>	18.8	—
	14	17.3	16.4	17.8	19.5	18.3	18.8	18.9	19.6	18.0	15.5	Vib. <sup>b</sup>	17.2	—
	15	16.8	17.4	18.1	18.5	18.4	19.0	19.1	19.2	19.2	Vib. <sup>b</sup>	—	20.1	—
	16	Vib. <sup>b</sup>	Vib. <sup>b</sup>	19.0	19.5	20.4	19.5	20.3	19.4	20.1	19.9	20.6	22.0	—
	17	21.0	20.6	20.0	20.1	20.3	20.4	20.6	20.4	20.0	20.1	20.8	20.5	—
	18	20.2	20.3	21.2 <sup>d</sup>	21.2	20.8	20.6	21.2	20.6	20.4	22.5	19.6	19.8	—
	19	19.3	19.9	20.1	20.5	20.9	20.8	20.5 <sup>b</sup>	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	18.6	17.7	17.7	18.2	17.2	—
	21	17.8	18.2	19.7	20.1	20.0	20.0	20.0	20.1	19.9	Vib. <sup>b</sup>	19.2	19.9	—
	22	18.9	19.3	20.2	21.4	21.4	21.3	21.4	21.4	21.4	22.1	23.1	21.4	—
	23	Vib. <sup>b</sup>	Vib. <sup>b</sup>	23.8	23.9	23.7	22.8	22.8	23.4	23.3	22.5	21.8	21.3	—
	24	22.4	23.6	24.7	24.4	Vib. <sup>b</sup>	23.8 <sup>e</sup>	Vib. <sup>b</sup>	Vib. <sup>b</sup>	6.3	4.4	5.5	4.6	—
	25	4.7	4.7	6.2	7.5	7.1	6.6	6.6	5.8	6.2	5.0	9.1	6.4	—
	26	4.4	3.7	5.4	7.3	7.5	6.3	5.9	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	5.0	4.0	3.7	3.5	3.3	—
	28	3.9	3.0	5.1	7.2	7.2	6.2	5.7	5.3	5.0	5.2	4.6	3.6	—
Hourly Means <sup>f</sup>	12.40	12.49	14.41	15.01	14.94	14.85	14.99	14.87	14.60	14.00	14.23	14.32	—	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.															
	°	°	°	°	°	°	°	°	°	°	°	°	°		
FEBRUARY.	1	68.9	69.6	70.3	70.4	70.1	69.8	69.4	69.2	69.0	68.8 <sup>a</sup>	68.6	68.8	— <sup>g</sup>	
	2	69.4	70.8	70.9	70.6	70.0	69.5	69.4	69.0	68.7	68.4	68.1	68.0	—	
	3	68.2	68.6	69.3	69.4	69.0	68.8	68.7	68.4	68.0	67.8	67.6	67.4	—	
	4	67.5	68.0	68.0	68.0	67.7	67.4	67.0	67.1	67.0	66.8	66.8	66.8	—	
	5	67.0	67.1	67.4	—	67.6	67.2	67.0	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	67.3	67.4	66.9	66.8	66.8	—	
	7	67.1	67.9	69.2	69.6	69.2	—	68.3	68.0	67.6	67.6	67.3	67.2	67.1	—
	8	68.2	69.2	69.5	69.4	68.9	68.4	68.0	67.6	67.6	67.3	67.2	67.1	—	
	9	67.6	68.1	68.0 <sup>c</sup>	68.3	68.0	68.0	67.8	67.6	67.4	67.1	67.0	67.0	—	
	10	67.5	68.3	68.7	68.8	68.4	68.2	68.1	68.0	67.8	67.7	67.4	67.4	—	
	11	68.0	68.5	69.0	69.1	68.8	—	68.3	68.1	68.0	67.6	67.4	67.2	—	
	12	67.5	68.1	68.4	68.5	68.4	68.2	68.1	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	67.6	67.4	67.0	—	66.8	—	
	14	67.0	67.6	67.4	68.7	68.2	67.8	67.9	67.4	67.1	67.0	—	66.5	—	
	15	67.0	67.4	67.7	67.7	67.4	67.2	67.3	67.2	67.1	—	—	67.0	—	
	16	—	—	67.4	67.4	67.3	67.3	67.2	67.2	67.1	66.8	66.7	66.8	—	
	17	66.8	66.9	67.1	67.4	67.4	67.4	67.2	66.6	66.6	66.5	66.4	66.5	—	
	18	66.7	67.1	67.6 <sup>d</sup>	68.0	67.6	67.0	66.8	66.4	66.4	66.2	66.1	66.1	—	
	19	66.8	67.7	68.6	68.6	68.2	67.5	67.3	—	—	—	—	—	—	
	20	—	—	—	—	—	—	—	67.0	66.8	66.5	66.5	66.5	—	
	21	67.0	68.2	69.2	69.8	69.2	68.5	68.1	68.0	67.8	—	67.0	67.3	—	
	22	67.9	68.4	69.3	69.6	69.2	68.7	68.5	68.0	68.0	68.0	67.8	67.8	—	
	23	—	—	70.6	71.0	70.4	69.6	69.0	69.0	68.7	68.5	68.2	68.0	—	
	24	69.0	70.0	—	71.8	—	70.5 <sup>e</sup>	—	—	69.3	69.4	68.8	68.8	—	
	25	69.6	70.7	71.6	71.6	71.0	70.2	70.2	69.5	69.3	69.3	69.7	69.0	—	
	26	69.3	70.0	70.7	70.8	70.5	70.0	69.4	—	—	—	—	—	—	
	27	—	—	—	—	—	—	—	68.4	68.0	67.6	67.4	68.0	—	
	28	68.8	70.2	71.4	71.6	71.0	70.2	69.4	68.7	68.0	67.9	67.9	68.2	—	
Hourly Means <sup>f</sup>	67.92	68.64	69.15	69.36	68.97	68.56	68.30	67.97	67.78	67.58	67.46	67.41	—		

<sup>a</sup> Eleven minutes late.  
<sup>b</sup> Time of vibration observed.  
<sup>c</sup> Four minutes late.  
<sup>d</sup> Two and a-half minutes late.

<sup>e</sup> Late, time not recorded.  
<sup>f</sup> Observations of the 5th, 6th, 12th, 13th, 19th, 20th, and 21st omitted in the means.

<sup>g</sup> Daily and monthly means not taken, owing to the frequent removals of the magnet.



VERTICAL FORCE.														
One Scale Division = .0006 parts of the V. F.														
Mean Göttingen Time.	0h.	2h.	4h.	6h.	8h.	10h.	12h.	14h.	16h.	18h.	20h.	22h.	Daily and Monthly Means. <sup>d</sup>	
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.	Sc. Div.	
	1	24.5	— <sup>a</sup>	21.4	22.1	23.1	22.5	22.2	21.6 <sup>b</sup>	20.7	20.7	20.7	21.3	—
	2	21.2	24.0	24.7	24.7	23.3	23.0	22.5	22.5	20.6	19.8	20.7	21.3	—
	3	18.3	18.8	19.0	17.8	21.8	16.1	16.1	15.8	15.6	Vib. <sup>5</sup>	14.2	14.5	—
	4	14.8	16.3	16.6	16.3	15.8	Vib. <sup>5</sup>	14.5	14.3	14.2	14.2	13.1	12.1	—
	5	11.1	10.2	9.9	10.2	9.9	9.2	9.1 <sup>a</sup>	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	8.6	4.9	6.6	8.9	9.5	—
	7	11.4	11.5	12.8	12.8	13.5	14.4	14.9	14.4	14.4	14.9	4.1	4.8	—
	8	4.9	5.5	6.1	5.5	6.0	6.0	5.4	5.4	5.6	5.2	5.1	5.2	—
	9	4.8	4.9	4.8	4.9	5.1	4.8	4.8	5.0	4.6	4.6	4.1	4.1	—
	10	4.1	3.8	3.9	3.8	4.2	3.3	2.4	2.0	2.2	1.3	0.4	1.3	—
	11	1.1	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	1.3	—
	12	1.1	1.1	1.2	1.1	1.1	2.2	0.6 <sup>a</sup>	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	4.4	4.2	4.9	5.1	4.4 <sup>a</sup>	—
	14	4.3	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	26.4	27.2	27.0	26.9	26.4	25.0	24.5	23.8	23.1	22.4	21.1	21.5	—
	19	21.4	19.7	20.3	20.6	19.9	19.2	18.9 <sup>a</sup>	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	10.4	10.0	9.6	11.5	10.4	—
	21	9.4	9.2	9.6	9.2	9.2	8.9	8.9	9.2	9.2	9.1	8.7	8.8	—
	22	8.7	8.7	8.7	8.5	8.5	8.0	7.7	7.8	7.6	7.6	7.6	7.4	—
	23	7.4	7.4	7.1	7.1	7.0	6.8	10.1	7.9	7.5	7.2	7.0	7.2	—
	24	7.0	7.1	7.0	7.1	7.5	7.3	7.1	7.2	6.8	6.8	6.2	6.1	—
	25	5.7	6.1	6.2	6.1	5.8	5.7	5.7	5.5	5.1	5.1	5.1	4.9	—
	26	4.8	4.8	4.9	5.0	4.9	4.5	4.3 <sup>a</sup>	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	41.8	Vib. <sup>5</sup>	36.0	35.6	35.1	—
	28	33.5	33.6	34.0	31.6	30.1	27.9	26.5	26.0	24.8	23.5	22.7	22.0	—
	29	20.7	20.8	21.2	20.7	20.2	18.3	17.0	17.0	16.0	Vib. <sup>5</sup>	14.3	14.3	—
	30	13.4	12.6	12.2	12.9	12.3	10.9	10.9	9.3	8.5	7.5	7.5	7.5	—
31	6.9	Vib. <sup>5</sup>	7.1 <sup>a</sup>	—	12.9	11.1	10.9	10.2	9.2	8.9	8.2	7.6	—	
Hourly Means <sup>c</sup>	7.43	7.73	7.86	7.74	7.72	7.43	7.51	7.30	6.97	6.72	6.54	6.76	—	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
MARCH.	1	69.7	—	73.0	73.3	72.8	71.6	71.0	70.4 <sup>b</sup>	70.0	69.8	69.8	69.8	— <sup>d</sup>
	2	69.9	72.6	73.6	73.6	72.6	72.0	71.4	70.9	70.7	70.2	70.2	70.8	—
	3	71.7	73.4	75.2	74.7	74.3	73.3	72.6	72.2	71.6	—	71.0	71.2	—
	4	71.7	72.8	73.8	74.2	73.5	—	72.2	71.8	71.4	71.4	71.1	70.9	—
	5	70.8	71.1	71.6	71.4	71.0	70.4	70.0	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	69.3	69.1	69.0	68.9	68.7	—
	7	69.0	70.0	70.5	70.5	70.0	69.8	69.5	69.3	68.9	68.9	68.6	68.4	—
	8	69.0	69.9	71.0	71.4	70.7	70.2	70.0	69.8	69.7	69.5	69.2	69.0	—
	9	69.4	69.8	70.2	70.4	70.0	69.8	69.5	69.1	69.0	68.5	68.5	68.8	—
	10	68.9	69.3	70.2	70.4	70.0	69.4	69.0	69.0	68.8	68.6	68.4	68.6	—
	11	69.4	70.0	70.5	71.0	70.6	69.8	69.3	68.9	68.8	68.5	68.2	68.2	—
	12	68.9	69.9	70.4	70.4	69.8	69.0	68.8	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	68.0	68.0	67.5	67.4	67.6	—
	14	68.2	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	69.1	70.6	71.7	71.8	71.0	70.2	69.8	69.1	68.8	68.8	68.6	68.6	—
	19	69.4	70.5	70.6	71.0	70.4	70.0	69.4	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	69.7	69.5	69.3	69.2	69.1	—
	21	69.6	70.7	71.3	71.0	70.2	69.8	69.6	69.2	69.0	69.0	68.7	68.4	—
	22	68.7	69.4	69.8	70.2	69.8	69.2	68.8	68.4	68.0	67.8	67.8	68.0	—
	23	68.6	69.8	70.6	70.4	70.0	70.0	70.0	69.8	69.8	69.8	69.6	69.0	—
	24	69.3	69.6	69.6	69.6	70.0	70.0	69.4	69.0	68.6	68.6	68.4	68.4	—
	25	68.7	69.5	70.4	70.4	70.0	69.6	69.0	69.0	68.7	68.6	68.4	68.4	—
	26	69.1	70.0	71.1	71.4	70.6	70.0	69.5	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	69.6	—	68.9	68.5	68.4	—
	28	69.2	70.6	71.4	71.3	70.5	69.8	69.3	69.2	68.9	68.6	68.6	69.1	—
	29	70.3	71.5	72.3	72.5	72.0	71.3	70.9	70.4	70.0	—	69.7	70.0	—
	30	70.5	71.2	71.7	72.1	71.7	71.2	70.4	70.2	70.0	69.7	69.5	69.6	—
	31	70.0	—	72.2	—	71.8	71.0	70.3	69.9	69.4	69.2	69.0	69.0	—
Hourly Means <sup>c</sup>	69.15	70.06	70.72	70.84	70.39	69.98	69.60	69.31	69.11	68.91	68.74	68.76	—	

<sup>a</sup> Magnet vibrated and re-adjusted.  
<sup>b</sup> Five minutes late.

<sup>c</sup> The observations of the 1st, 3rd, 4th, 5th, 6th, 7th, 12th, 13th, 18th, 19th, 20th, 26th, 27th, 28th, 29th, 30th, and 31st, omitted in the Means.

<sup>d</sup> Daily and monthly means not taken owing to the frequent removals of the magnet.

VERTICAL FORCE.														
One Scale Division = .0007 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means. <sup>c</sup>	
	Sc. Div.	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	16.3	17.0	17.6	17.7	17.7	16.8	16.3	15.8	15.4	16.2	15.5	14.9	—
	2	15.0	15.9	16.0	15.7	16.2	14.2	14.3 <sup>a</sup>	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	12.0	12.0	11.6	11.6	11.6	—
	4	11.7	11.7	12.3	12.1	Vib. <sup>5</sup>	11.0	11.0	11.4	11.2	10.8	10.8	9.3	—
	5	9.0	10.7	10.6	10.6	9.9	9.6	10.0	10.0	10.0	—	5.3	10.4	—
	6	10.4	11.8	12.5	12.0	11.8	10.9	10.9	10.4	10.1	10.3	10.3	9.0	—
	7	9.4	10.6	11.1	11.4	11.5	Vib. <sup>5</sup>	10.8	10.8	10.8	10.5	10.3	9.8	—
	8	11.1	11.5	11.5	11.0	10.0	10.1	10.1	10.0	10.0	10.0	9.3	9.2	—
	9	9.3	10.7	9.9	9.9	9.9	9.7	9.6 <sup>a</sup>	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	9.6	10.3	10.6	10.6	11.0	—
	11	10.6	12.5	12.0	11.5	11.4	11.4	10.8	11.2	11.0	10.9	10.7	10.7	—
	12	10.6	11.3	12.4	13.2	12.0	11.5	11.6	11.5	11.4	10.8	10.8	12.5	—
	13	10.5	12.1	12.4	12.3	12.3	12.2	12.4	12.3	12.3	12.3	12.0	12.4	13.2
	14	13.3	13.3	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	14.4	15.3	—
	15	14.2	14.5	14.1	13.9	14.5	14.1	14.0	14.8	14.3	14.3	15.6	14.7	—
	16	14.5	14.5	15.1	15.2	14.8	14.0	14.1 <sup>a</sup>	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	11.0	10.7	10.7	10.7	10.8	—
	18	10.8	13.5	14.2	13.2	12.5	12.5	11.9	11.1	11.1	11.0	11.0	12.5	—
	19	12.3	12.6	12.3	12.3	11.2	11.2	11.2	11.3	11.3	10.8	10.3	10.1	—
	20	Vib. <sup>5</sup>	Vib. <sup>5</sup>	12.5	12.4	12.6	12.1	12.3	13.9	13.2	13.1	13.2	12.8	—
	21	15.3	16.6	16.4	18.3	17.8	17.2	17.2	17.0	16.6	16.6	16.0	16.4	—
	22	17.0	17.4	17.9	17.3	17.1	17.0	16.4 <sup>a</sup>	16.4	16.4	—	15.1	13.8	—
	23	15.2	16.5	17.4	17.3	17.0	15.9	15.9	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	14.7	14.4	13.8	13.8	13.8	—
	25	13.7	14.6	15.5	15.8	15.8	14.9	14.8	14.5	14.5	14.5	14.2	13.7	—
	26	13.7 <sup>b</sup>	14.8	15.3	15.2	14.9	14.2	14.2	14.2	13.7	—	Vib. <sup>5</sup>	13.3	—
	27	13.2	13.8	14.2	16.1	15.3	15.2	14.9	14.5	14.5	14.2	14.2	14.5	—
	28	14.9	15.2	16.4	16.4	15.8	15.2	14.5	14.3	14.3	14.2	14.2	14.7	—
	29	14.7	15.5	15.8	15.4	13.8	13.6	13.5	13.4	13.3	12.3	13.1	13.1	—
	30	13.1 <sup>c</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	3.8	3.1	4.6	4.6	3.7	—
Hourly Means <sup>d</sup>	12.63	13.55	13.78	13.83	13.51	13.16	12.94	12.92	12.78	12.50	12.33	12.57	—	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
APRIL.	1	69.6	70.7	72.0	72.5	71.8	71.0	70.5	70.2	69.9	69.7	69.1	69.2	—
	2	70.0	71.3	72.0	72.1	71.5	70.6	70.1	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	69.0	69.0	68.8	68.7	68.8	—
	4	69.2	70.1	70.7	70.0	—	69.3	69.1	68.8	68.6	68.2	68.2	68.4	—
	5	68.5	69.4	70.0	70.0	69.3	69.0	68.8	68.6	68.3	—	68.2	68.4	—
	6	69.5	70.8	71.2	71.0	70.0	69.6	69.3	69.1	69.0	68.6	68.5	68.6	—
	7	69.4	70.6	71.2	71.5	71.0	—	69.6	69.0	68.7	68.6	68.5	68.5	—
	8	69.3	70.0	70.0	69.8	69.2	69.0	68.5	68.2	67.9	67.6	67.5	67.4	—
	9	68.0	69.1	69.4	69.1	68.6	68.0	67.7	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	68.4	68.3	68.2	68.0	68.0	—
	11	68.0	68.4	68.6	68.4	68.4	68.2	68.0	67.8	67.7	67.4	67.3	67.4	—
	12	68.0	69.1	69.7	69.4	68.6	68.2	68.0	67.8	67.4	67.6	67.2	67.3	—
	13	67.9	68.7	69.4	69.4	68.9	68.4	68.0	67.8	67.6	67.4	67.4	67.4	—
	14	67.8	68.1	68.3	68.3	68.0	68.0	67.9	67.8	67.7	67.5	67.4	67.5	—
	15	68.0	68.4	68.6	68.8	68.8	68.6	68.9	68.6	68.4	68.2	67.9	67.6	—
	16	68.1	69.0	69.7	69.6	69.0	68.6	68.4	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	68.0	67.8	67.4	67.2	67.4	—
	18	68.5	69.8	70.8	70.8	69.5	69.0	68.5	68.0	67.8	67.7	67.7	67.7	—
	19	68.0	68.9	69.6	69.6	69.1	68.6	68.2	68.0	67.9	67.6	67.4	67.6	—
	20	—	—	70.9	71.0	70.0	69.1	69.1	69.1	68.8	68.6	68.4	68.3	—
	21	68.8	69.4	70.0	70.7	70.5	69.9	69.2	68.5	68.2	68.0	67.6	67.7	—
	22	68.4	69.2	70.0	69.7	69.4	68.8	68.2	67.8	67.5	—	67.0	67.2	—
	23	68.0	69.1	70.0	70.4	69.9	69.0	68.6	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	67.7	67.5	67.2	67.2	67.3	—
	25	68.0	69.0	69.5	70.0	69.5	69.0	68.6	68.0	67.8	67.6	67.5	67.4	—
	26	68.0 <sup>b</sup>	69.0	69.2	69.0	68.5	68.0	67.8	67.4	67.3	—	—	66.9	—
	27	67.7	68.6	69.8	69.8	69.0	68.4	67.9	67.4	67.1	67.2	66.8	67.0	—
	28	67.6	68.5	69.1	69.1	68.3	67.8	67.5	67.2	67.1	66.8	66.6	66.6	—
	29	67.0	67.6	68.2	68.0	67.4	67.0	66.8	66.4	66.0	65.8	65.8	65.8	—
	30	66.1	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	66.0	65.8	65.4	65.4	65.5	—
Hourly Means <sup>d</sup>	68.36	69.27	69.85	69.85	69.25	68.75	68.59	68.17	67.94	67.78	67.59	67.59	—	

<sup>a</sup> Time of vibration observed.<sup>b</sup> Five minutes late.<sup>c</sup> Magnet removed and its horizontal time of vibration observed.<sup>d</sup> The observations of the 2nd, 3rd, 9th, 10th, 16th, 17th, 23rd, 24th, 30th, and 31st, are omitted in the means, the disturbance of the magnet in the observations of vibration having effected its mean position.<sup>e</sup> Daily and monthly means not taken owing to the frequent removals of the magnet.

VERTICAL FORCE.													
One Scale Division = .0006 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means. <sup>f</sup>
	Sc. Div.	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. 2	5.2	5.2	5.5	5.8	5.8	5.8	4.0	3.3	3.6	1.0	4.5	5.6	—
3	6.0	6.0	6.2	6.4	6.4	6.4	6.0	6.4	4.3	5.7	5.9	6.1	—
4	Vib. <sup>g</sup>	Vib. <sup>g</sup>	7.5	7.2	6.5	6.2	6.3	6.5	6.4	6.4	6.4	7.1	—
5	8.3	8.3	7.8 <sup>a</sup>	7.1	7.1	7.0	7.0	6.9	6.9	6.9	6.9	7.8	—
6	10.4	11.6	12.4	Vib. <sup>g</sup>	10.8	11.6	11.6	10.2	10.3	10.0	9.4	9.3	—
7	10.5	11.9	—	9.4	9.4	9.4	9.4 <sup>b</sup>	—	—	—	—	—	—
8	—	—	—	—	—	—	—	7.6	7.6	6.9	6.9	7.0	—
9	8.4	8.8	8.9	8.9	7.1	7.6	7.3	7.2	7.2	7.1	6.9	6.5	—
10	6.6	7.3	7.3	7.3	7.1	6.3	5.6	6.0	5.9	5.6	5.7	6.7	—
11	Vib. <sup>g</sup>	6.8	8.7	8.4	7.8	7.7	6.9	6.9	6.9	6.7	7.1	6.5	—
12	6.5	7.4	7.1	7.4	7.4	7.4	7.4	7.0	6.7	6.8	8.1	8.5	—
13	8.4	8.4	9.1	8.8	8.8	8.1	6.8	6.7	6.8	6.9	7.1	7.2	—
14	7.5	7.5	—	7.8	8.4	7.8	7.3 <sup>b</sup>	—	—	—	—	—	—
15	—	—	—	—	—	—	—	6.3	6.2	6.1	5.3	5.6	—
16	5.5	5.7	5.7	6.9	6.9	6.9	6.8	6.4	6.1	5.9	Vib. <sup>g</sup>	5.6	—
17	6.5	7.7	7.7	7.1	6.9	6.3	6.3	6.1	6.2	5.8	6.0	6.4	—
18	7.2	4.8	4.9	4.6	4.8	Vib. <sup>g</sup>	6.1	5.8	5.6	5.5	4.7	5.2	—
19	5.2	5.7	5.8	5.9	5.9	5.5	5.4	—	5.1	4.7 <sup>c</sup>	4.6	4.6	—
20	5.1	5.3	5.4	5.7	5.3	5.3	5.1	5.1	5.2	4.6	5.4	5.1	—
21	6.6	6.9	—	7.3	7.2	6.8	6.8 <sup>b</sup>	—	—	—	—	—	—
22	—	—	—	—	—	—	—	5.9	5.7	5.4	4.7	4.7	—
23	5.4	6.0	7.8	7.3	6.8	6.7	6.3	6.1	6.1	6.0	5.5	5.5	—
24	5.7	6.5	7.6	7.2	6.5	6.5	5.3	5.4	5.4	5.4	Vib. <sup>g</sup>	5.4	—
25	6.9	7.3	8.4	8.0	7.3	Vib. <sup>g</sup>	6.1	5.7	5.8	5.6	Vib. <sup>g</sup>	6.2	—
26	Vib. <sup>g</sup>	6.6	6.3	6.9	6.5	5.9	5.3	5.3	5.3	5.2	5.3	5.3	—
27	5.3	5.3	4.9	5.2	5.5	4.6	Vib. <sup>g</sup>	5.7	5.4	5.7	5.6	Vib. <sup>g</sup>	—
28	5.3	6.3	5.9	5.6	5.9	4.8	4.8	—	—	—	—	—	—
29	—	—	—	—	—	—	—	3.1	3.3	3.3	3.2	3.5	—
30	4.1	4.5	4.0	4.6	3.9	3.8	2.2	2.0	1.5	1.5	1.5	1.8	—
31	2.1 <sup>d</sup>	—	—	—	—	—	—	—	11.3	10.8	10.6	11.2	—
Hourly Means <sup>e</sup>	6.42	6.74	7.05	6.78	6.68	6.52	6.12	5.90	5.73	5.56	5.78	6.00	—

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	°
MAY. 2	66.1	67.0	68.1	68.4	67.6	67.0	66.8	66.4	66.2	66.0	66.0	66.0	—
3	66.8	67.8	69.0	69.0	68.4	67.9	67.4	67.0	66.9	66.9	66.4	66.4	—
4	—	—	69.1	69.1	68.5	68.2	67.9	67.8	67.5	67.4	67.4	67.4	—
5	68.0	68.4	—	68.8	68.6	68.3	68.0	68.0	68.0	67.8	67.8	67.9	—
6	69.0	69.8	71.4	—	71.5	71.0	70.1	69.5	69.1	68.8	68.6	68.8	—
7	69.8	70.3	70.1	70.0	69.7	69.3	69.0	—	—	—	—	—	—
8	—	—	—	—	—	—	—	68.9	68.6	68.2	68.1	68.5	—
9	69.2	70.2	70.9	71.0	70.0	69.4	69.0	68.4	68.0	67.8	67.6	67.9	—
10	68.6	69.4	70.0	70.1	68.7	68.4	68.0	67.7	67.5	67.1	67.1	67.1	—
11	—	69.3	69.7	69.5	68.8	68.1	67.6	67.4	67.2	67.0	66.9	67.0	—
12	67.7	68.4	68.6	68.5	68.0	67.7	67.2	67.0	66.9	66.5	66.5	66.7	—
13	67.0	67.7	68.4	68.4	68.0	67.4	67.0	66.4	66.2	66.1	66.1	66.3	—
14	67.0	67.6	68.3	68.0	67.6	67.2	66.8	—	—	—	—	—	—
15	—	—	—	—	—	—	—	66.0	65.8	65.4	65.4	65.7	—
16	66.1	67.1	67.6	67.5	67.1	66.5	66.4	66.0	66.0	65.5	—	65.3	—
17	66.0	66.8	67.1	67.3	66.8	66.4	66.1	65.9	65.5	65.4	65.4	65.6	—
18	66.1	66.2	66.6	66.9	66.3	—	65.6	65.3	65.0	64.6	64.6	64.7	—
19	65.2	66.0	66.9	66.6	66.2	65.6	65.4	—	65.0	64.6 <sup>c</sup>	64.6	64.5	—
20	65.2	66.4	67.0	67.1	66.1	65.6	65.4	65.2	65.1	65.2	65.0	65.3	—
21	66.4	67.6	68.2	68.0	67.9	67.1	66.7	—	—	—	—	—	—
22	—	—	—	—	—	—	—	65.7	65.5	65.1	65.0	65.4	—
23	66.1	67.4	68.4	68.5	67.8	67.1	66.7	66.4	66.0	66.0	65.8	65.8	—
24	66.8	67.8	68.4	68.0	67.5	67.0	66.8	66.5	66.4	66.1	—	66.0	—
25	66.8	67.5	68.2	68.0	67.1	—	66.4	66.2	66.0	65.8	—	65.4	—
26	—	66.8	67.0	67.0	66.2	66.0	65.6	65.5	65.3	65.0	64.8	64.6	—
27	65.0	65.6	66.5	66.5	66.0	65.4	—	65.0	65.0	64.9	65.0	—	—
28	65.1	66.1	67.1	67.0	66.6	66.1	65.5	—	—	—	—	—	—
29	—	—	—	—	—	—	—	63.5	63.5	63.4	63.4	63.5	—
30	64.1	65.0	65.9	65.7	65.1	64.6	64.3	64.0	63.8	63.8	63.7	63.6	—
31	—	—	—	—	—	—	—	64.0	63.8	63.4	63.2	63.2	—
Hourly Means <sup>e</sup>	66.57	67.46	68.19	68.04	67.59	67.19	66.82	66.43	66.19	65.99	65.93	65.99	—

<sup>a</sup> Omitted in means; temperature not recorded.<sup>b</sup> Time of vibration observed.<sup>c</sup> Two minutes and a-half late.<sup>d</sup> Magnet removed, and horizontal time of vibration observed.<sup>e</sup> Observations of the 7th, 8th, 14th, 15th, 21st, 22nd, and 31st omitted in the means.<sup>f</sup> Daily and monthly means not taken, owing to the frequent removals of the magnet.

VERTICAL FORCE.														
One Scale Division = .0006 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	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.	
JUNE.	1	11.5	11.7	12.1	11.8	11.8	11.4	11.2	11.7	10.7	10.5	10.5	11.0	11.32
	2	7.1	9.4	9.2	8.7	9.0	9.1	9.3	9.3	9.3	9.6	9.6	10.0	9.13
	3	10.8 <sup>a</sup>	10.0	8.4	7.8	8.3	8.7	8.7	8.5	8.4	7.6	7.7	7.9	8.57
	4	7.5	7.9	6.9	7.0	6.6	8.6	8.8	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	7.9	7.9	7.8	7.8	8.6	7.78
	6	8.9	9.4	9.4	9.6	9.5	9.0	9.0	8.9	8.6	8.6	8.6	8.1	8.97
	7	8.7 <sup>b</sup>	9.7	9.5	8.4	7.4	7.4	7.2	6.6	6.5	6.5	6.4	6.4	7.56
	8	7.1	7.4	7.3	7.1	6.7	6.6	6.6	7.0	7.0	7.0	6.3	5.5	6.80
	9	6.0	6.0	6.5	7.2	7.2	6.2	6.2	6.3	6.3	6.2	6.1	6.9	6.42
	10	7.2	7.1	7.1	7.2	7.5	6.4	5.2	6.5	5.9	5.8	5.6	5.7	6.43
	11	6.0	6.0	5.4	5.8	5.9	5.9	6.0	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	6.2	6.2	6.2	6.4	5.7	5.97
	13	6.4	6.4	7.0	7.8	7.5	7.1	6.8	6.8	6.7	5.9	6.5	7.4	6.86
	14	8.0 <sup>b</sup>	7.5	6.6	7.0	6.6	7.1	6.8	6.4	6.4	5.8	5.8	6.5	6.71
	15	7.2	6.5	6.8	8.0	8.1	8.1	7.4	7.2 <sup>a</sup>	7.0	6.8	6.8	8.0	7.33
	16	7.9	7.1	8.7	9.7	9.5	9.5	9.5	9.2	8.6	8.5	8.5	8.8	8.79
	17	9.8	9.7	11.0	11.0	10.8	10.2	9.8	9.3	9.1	8.4	8.0	8.0	9.59
	18	9.4	11.4	11.5	13.0	12.4	12.1	11.4	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	11.5	11.3	10.7	10.4	11.1	11.35
	20	12.1	13.4	13.2	12.6	12.4	10.9	10.1	10.2	9.9	9.6	9.6	9.7	11.14
	21	10.9	10.3	11.5	11.6	11.1	11.1	10.8	10.4	10.3	10.3	9.8	8.1	10.52
	22	8.7	9.2	10.1	10.0	9.8	9.6	8.4	7.9	8.0	8.0	8.0	8.0	8.81
	23	7.8	9.1	8.7	9.0	8.2	8.4	8.2	8.0	6.3	5.8	5.9	5.9	7.61
	24	5.6	6.6	7.8	8.0	8.0	7.3	6.9	6.8	4.6	5.2	5.2	5.3	6.44
	25	5.8	6.5	7.2	7.2	6.7	6.2	5.8	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	5.8 <sup>c</sup>	5.7	5.7	5.5	5.0	6.09
	27	5.8	6.9	7.3	5.9	6.2	6.0	6.1	5.5	5.5	5.5	5.5	6.1	6.02
	28	6.5	6.0	6.2	6.2	6.0	5.7	5.7	5.7	4.5	4.7	4.6	5.2	5.58
	29	6.4	6.0	4.9	4.6	4.6	5.0	5.0	4.4	4.4	4.2	4.2	3.6	4.78
	30	4.5 <sup>d</sup>	—	—	—	—	—	—	9.8	11.2	11.4	10.4	8.6	—
Hourly Means <sup>e</sup>	7.96	8.29	8.41	8.49	8.31	8.14	7.88	7.76	7.40	7.24	7.17	7.30	—	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means.	
JUNE.	1	64.0	65.1	66.0	65.8	65.2	64.7	64.3	64.2	64.0	63.4	63.3	63.6	64.47
	2	63.9	64.5	65.4	65.2	64.4	64.2	63.9	63.6	63.6	63.5	63.5	63.5	64.10
	3	63.3 <sup>a</sup>	63.6	63.5	63.4	63.4	62.6	62.6	62.4	62.3	62.1	62.1	62.0	62.78
	4	62.7	63.2	63.5	63.3	63.4	63.2	63.1	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	62.0	61.6	61.6	61.5	61.7	62.57
	6	62.0	62.8	63.9	64.0	63.7	63.0	62.7	62.5	62.1	61.8	61.8	61.8	62.68
	7	62.0	62.5	62.6	62.4	61.8	61.3	60.9	60.4	60.4	60.3	60.3	60.1	61.25
	8	60.9	61.8	62.2	62.0	61.5	61.4	61.1	61.0	61.0	60.8	60.6	60.6	61.24
	9	61.0	61.6	62.2	62.1	61.4	61.3	61.2	61.2	60.9	60.4	60.5	60.8	61.22
	10	61.0	61.2	62.0	62.0	62.0	61.6	61.4	61.2	61.1	60.9	60.8	60.6	61.32
	11	60.9	61.6	62.1	61.9	61.6	61.2	61.2	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	61.1	61.0	61.0	60.9	61.0	61.29
	13	61.6	62.7	63.4	63.0	63.0	62.4	62.0	61.7	61.6	61.3	61.1	61.1	62.08
	14	61.7	62.1	62.6	62.6	62.1	61.7	61.4	61.1	61.1	61.2	61.2	61.2	61.67
	15	61.8	62.5	63.0	63.4	63.3	62.6	62.2	62.0 <sup>a</sup>	61.8	61.5	61.5	61.8	62.28
	16	62.4	62.8	64.5	64.8	64.4	64.0	63.7	63.0	63.0	62.8	62.6	62.8	63.40
	17	63.6	64.8	65.4	65.6	65.2	64.4	63.5	63.0	62.6	62.2	62.1	62.6	63.75
	18	64.1	66.1	67.4	68.0	67.4	66.6	65.5	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	65.3	64.9	64.7	64.5	64.6	65.76
	20	65.1	66.0	66.7	66.5	65.8	65.1	64.7	64.3	64.2	64.0	64.0	64.3	65.06
	21	65.0	65.9	66.5	66.4	66.0	65.3	64.9	64.4	64.2	64.0	64.0	63.8	65.03
	22	64.0	64.6	65.2	65.2	64.6	64.1	64.2	64.2	64.1	63.8	63.7	63.4	64.26
	23	63.5	64.3	64.9	64.7	64.5	64.2	63.5	63.1	62.8	62.5	62.4	62.4	63.57
	24	63.0	64.0	64.5	64.6	64.0	63.4	62.9	62.9	62.4	62.1	62.1	62.0	63.16
	25	62.6	63.1	64.0	64.1	63.5	63.0	62.9	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	62.5 <sup>c</sup>	62.4	62.1	62.0	62.4	62.88
	27	62.9	63.5	64.0	64.0	63.2	62.8	62.4	62.0	62.0	61.7	61.5	61.4	62.62
	28	62.0	62.1	62.6	62.4	61.9	61.5	61.2	61.2	61.1	60.9	60.8	61.0	61.56
	29	61.2	61.7	62.3	62.2	61.6	61.4	61.2	61.0	61.0	60.8	60.7	60.9	61.33
	30	61.4	—	—	—	—	—	—	62.2	61.7	61.3	61.2	61.4	—
Hourly Means <sup>e</sup>	62.65	63.36	64.02	63.98	63.56	63.08	62.74	62.45	62.29	62.06	61.98	62.06	—	

<sup>a</sup> Two minutes late.

<sup>b</sup> Magnet vibrated in vertical plane without removal.

<sup>c</sup> Four and a-half minutes late.

<sup>d</sup> Magnet removed and vibrated in horizontal plane.

<sup>e</sup> Observations of the 30th omitted in the means.

VERTICAL FORCE.														
One Scale Division = .0007 parts of the H. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	Daily and Monthly Means.	
JULY.	1	8.3	9.0	6.9	7.2	7.8	8.1	6.0	6.0	5.7	6.0	7.9	7.5	7.20
	2	8.4	9.2	9.2	8.6	7.9	7.8	8.0	—	—	—	—	—	7.11
	3	—	—	—	—	—	—	—	4.5	4.5	5.5	3.3	8.4	
	4	8.3	9.3	9.4	9.0	8.6	8.0	8.1	8.1	8.1	8.1	7.6	6.9	8.29
	5	8.1	8.6	8.3	8.3	8.1	8.1	8.1	7.7	7.9	7.8	7.6	7.2	7.98
	6	7.9	9.0	8.8	9.4	9.4	9.9	8.4	7.9	7.9	8.0	8.0	7.2 <sup>a</sup>	8.48
	7	7.7	8.0	8.0	8.6	9.3	8.9	8.4	8.4	8.3	8.3	7.9	8.3	8.34
	8	9.2	9.9	10.6	9.7	9.0	8.7	8.4	8.4	8.0	7.5	7.2	8.0	8.72
	9	8.9	9.8	11.1	10.9	10.0	8.9	8.7	—	—	—	—	—	9.03
	10	—	—	—	—	—	—	—	7.7	7.5	8.9	7.6	8.4	
	11	8.1	8.6	9.3	9.2	9.6	9.5	9.6	8.2	8.0	8.0	7.8	8.6	8.71
	12	7.9	7.2	7.9	8.5	8.7	8.7	8.0	7.6	7.2	7.3	7.5	7.7	7.85
	13	8.2 <sup>a</sup>	8.5	8.0	7.9	7.9	7.9	7.7	7.1	7.1	6.2	6.7	6.9	7.51
	14	7.7	7.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.5	6.5	6.8	6.38
	15	7.1	7.6	7.8	7.5	7.5	7.4	7.2	3.1	3.1	3.1	4.0	4.4	5.82
	16	4.8	5.0	4.6	4.7	4.9	4.0	3.8	—	—	—	—	—	4.31
	17	—	—	—	—	—	—	—	4.3	3.7	3.9	3.5	4.5	
	18	4.7	5.1	6.0	6.5	6.8	7.0	6.6	6.3	4.7	4.5	4.3	4.2	5.56
	19	4.5	5.4	5.5	5.6	5.7	5.6	5.6	4.6	4.7	4.6	4.0	2.4	4.85
	20	2.8 <sup>a</sup>	4.2	4.8	5.1	4.0	5.6	6.3	6.7	6.3	6.0	5.3	6.1	5.27
	21	5.7	6.2	7.2	6.4	6.2	6.0	5.6	5.5	5.5	5.3	5.0	1.5	5.51
	22	2.0	2.6	2.8	3.2	3.0	3.0	3.0	2.2	2.2	1.7	1.4	2.2	2.44
	23	2.8	3.5	3.1	3.0	3.3	3.2	3.2	—	—	—	—	—	2.78
	24	—	—	—	—	—	—	—	2.8	2.0	2.2	2.2	2.1	
	25	2.0	3.8	5.3	5.3	4.8	4.8	3.6	3.1	3.0	2.6	2.6	3.2	3.67
	26	3.0	2.5	3.2	4.3	4.7	3.5	3.3	2.8	3.0	3.0	2.4	1.3	3.08
	27	1.3	2.0	2.4	3.0	3.0	3.0	3.1	2.6	2.5	2.5	2.5	3.1	2.58
	28	3.1	3.5	3.7	4.5	4.7	4.3	3.8	3.6	3.1	3.2	3.6	3.6	3.73
	29	3.5	3.8	3.8	3.7	3.8	3.4	3.4	3.5	2.5	2.9	3.3	4.3	3.49
	30	5.1 <sup>b</sup>	—	—	7.4	7.4	7.5	7.9	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	5.6	5.0	4.9	4.0	4.1	
Hourly Means <sup>c</sup>	5.84	6.40	6.54	6.64	6.58	6.45	6.15	5.54	5.30	5.34	5.19	5.39		
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
JULY.	1	61.6	61.7	61.8	61.6	61.0	61.1	61.0	60.4	60.0	60.2	60.6	60.2	60.93
	2	60.6	61.4	62.1	62.2	62.1	61.8	61.7	—	—	—	—	—	60.77
	3	—	—	—	—	—	—	—	59.3	59.4	59.4	59.8	59.4	
	4	60.0	60.5	61.0	60.5	60.7	60.4	60.1	60.0	59.6	59.7	59.5	59.5	60.13
	5	60.0	60.4	60.9	61.0	60.6	60.4	60.3	61.1	61.1	59.6	59.6	59.9	60.41
	6	61.2	61.0	62.0	62.4	62.3	61.5	61.0	60.0	60.0	60.0	59.9	60.0	60.94
	7	60.2	60.8	61.8	62.2	62.0	61.4	60.8	60.5	60.4	60.4	60.1	60.7	60.94
	8	61.1	62.4	63.0	63.0	62.7	62.0	61.5	61.0	60.8	60.6	60.3	60.6	61.58
	9	61.1	62.0	62.4	62.5	62.0	61.4	61.3	—	—	—	—	—	61.13
	10	—	—	—	—	—	—	—	60.3	60.2	60.0	60.0	60.3	
	11	60.7	61.5	61.8	62.0	61.3	61.1	60.7	60.1	60.0	60.0	60.0	60.0	60.77
	12	60.4	61.4	62.3	62.3	62.0	61.4	61.0	60.7	60.6	60.2	60.0	59.6	60.99
	13	60.0	60.6	61.0	61.2	60.6	60.0	59.5	59.3	59.3	59.2	59.0	58.9	59.88
	14	59.1	59.7	60.0	60.1	59.7	59.4	59.4	59.3	59.4	59.3	59.1	59.3	59.48
	15	59.6	60.2	61.0	60.7	60.2	60.1	59.7	59.0	59.0	59.2	59.1	59.0	59.73
	16	59.4	59.8	60.4	60.4	60.0	59.5	59.2	—	—	—	—	—	59.68
	17	—	—	—	—	—	—	—	59.5	59.5	59.4	59.3	59.7	
	18	59.8	60.4	61.4	62.0	61.8	61.0	60.8	60.4	60.1	60.0	59.9	59.9	60.63
	19	60.3	60.8	61.7	62.0	61.6	61.0	60.2	60.0	59.8	59.2	58.9	59.0	60.38
	20	59.5	61.2	62.0	62.0	61.3	61.0	61.0	61.0	60.7	60.4	60.2	60.0	60.86
	21	60.0	60.4	61.0	61.0	60.6	60.0	59.6	59.0	58.8	58.5	58.4	58.3	59.63
	22	58.8	59.4	60.1	60.4	59.8	59.2	59.0	58.6	58.4	58.4	58.2	58.0	59.03
	23	58.6	59.6	60.3	60.0	59.8	59.3	59.1	—	—	—	—	—	59.08
	24	—	—	—	—	—	—	—	58.6	58.4	58.4	58.4	58.4	
	25	58.8	59.8	60.8	61.4	61.0	60.3	59.5	59.2	59.2	58.8	58.8	58.8	59.70
	26	59.0	59.5	61.0	61.4	61.4	60.9	60.5	60.0	59.6	59.6	59.4	59.9	60.18
	27	60.1	60.7	61.5	61.7	61.3	61.0	60.6	60.5	60.3	60.2	60.0	60.2	60.68
	28	60.6	61.2	62.1	62.5	62.2	61.5	61.2	61.0	60.8	60.8	60.5	60.4	61.23
	29	60.6	61.4	61.9	61.9	61.5	61.3	61.2	61.0	61.0	60.6	60.4	60.0	61.07
	30	60.1	—	—	61.2	60.9	60.6	60.4	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	60.6	60.6	60.4	60.2	60.0	
Hourly Means <sup>c</sup>	60.04	60.71	61.41	61.54	61.18	60.72	60.40	59.99	59.86	59.68	59.58	59.60		

<sup>a</sup> Magnet vibrated in the vertical plane.<sup>b</sup> Magnets removed, and the horizontal time of vibration observed.<sup>c</sup> Observations of the 30th and 31st omitted in the means.

VERTICAL FORCE.														
One Scale Division = .0008 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	2 <sup>h</sup> .	4 <sup>h</sup> .	6 <sup>h</sup> .	8 <sup>h</sup> .	10 <sup>h</sup> .	12 <sup>h</sup> .	14 <sup>h</sup> .	16 <sup>h</sup> .	18 <sup>h</sup> .	20 <sup>h</sup> .	22 <sup>h</sup> .	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.	
AUGUST.	1	4.1	4.3	4.6	4.8	4.8	4.8	4.5	4.1	4.1	4.1	3.3	4.36	
	2	3.8	4.3	4.5	4.5	3.8	4.0	4.0	3.9	3.4	3.4	3.4	4.05	
	3	6.2	6.8	7.4	7.5	6.7	5.8	5.8	5.4	5.5	5.4	5.1	4.7	6.02
	4	5.2 <sup>a</sup>	4.9	5.4	6.1	6.1	5.8	6.1	5.8	5.8 <sup>b</sup>	5.7	4.9	4.9	5.56
	5	4.6	5.0	4.9	5.0	4.9	5.2	5.2	5.0	5.0	5.0	5.0	5.2	5.00
	6	5.5	5.5	5.1	5.4	5.1	4.5	4.5	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	3.8	3.8	3.7	4.5	5.8	4.77
	8	4.8	5.0	5.8	6.2	6.4	5.8	5.8	6.0	5.8	6.1	5.6	5.4	5.72
	9	5.6	6.0	5.0	5.0	5.5	5.4	4.3	4.3	4.2	4.3	3.7	3.7	4.75
	10	3.6	3.7	3.9	3.7	4.2	3.9	3.9	3.8	3.8	3.2	3.2	3.9	3.73
	11	4.5	5.1	4.4	4.4	4.4	4.6	4.4	4.4 <sup>c</sup>	4.0	3.9	3.9	3.8	4.32
	12	3.7	3.2	2.8 <sup>a</sup>	4.0	4.0	3.8	3.8	3.6	4.5	4.5	4.3	4.4	3.88
	13	5.0	5.2	4.9	5.0	5.0	5.0	4.7	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	4.1	4.2	4.1	4.1	4.3	4.63
	15	5.1	6.6	7.0	7.0	5.9	5.8	5.2	5.2	5.0	5.0	4.9	5.9	5.72
	16	6.2	6.1	6.1	5.6	6.1	6.4	6.3	6.0	5.8	5.5	5.0	4.6	5.81
	17	4.6	6.1	6.8	5.5	5.5	5.5	6.3	5.0	4.9	5.1	4.8	3.7	5.32
	18	4.5	4.8	3.8	3.8	3.9	3.5	3.6	3.3	3.3	3.1	2.4	2.2	3.52
	19	2.0	2.1	2.0	1.6	1.8	2.1	1.9	2.3	2.2	1.9	2.1	2.4	2.03
	20	3.0	3.5	2.9	2.5	2.7	2.6	2.5	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	2.8	2.8	3.0	2.9	2.9	2.84
	22	3.5	3.5	4.3	4.7	4.2	3.5	3.5	3.5	3.5	3.8	3.6	3.9	3.79
	23	3.7	5.4	5.6	5.3	4.9	4.5	4.5	4.5	4.1	4.5	4.4	5.6	4.75
	24	5.9	6.6	5.1	5.4	5.4	5.2	5.2	5.0	5.0	4.7	4.7	5.1	5.28
	25	5.4 <sup>a</sup>	6.4	6.4	5.8	5.6	5.5	7.5	6.9	4.6	4.5	4.4	3.9	5.57
	26	4.0	4.3	4.1	4.3	4.9	4.9	4.8	5.4	5.2	5.3	4.8	4.7	4.72
	27	4.5	5.0	5.3	5.3	5.3	5.3	5.2	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	5.7	5.3	4.8	4.8	5.7	5.18
	29	5.9	6.2	7.0	7.2	7.1	2.3	2.0	1.8	1.5	1.7	1.7	2.2	3.88
	30	2.6	3.7	3.5	2.6	3.0	2.9	3.0	3.0	3.0	2.8	2.8	2.8	2.98
	31	3.3 <sup>d</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	4.52	4.97	4.95	4.93	4.89	4.56	4.57	4.42	4.24	4.20	4.04	4.25	—	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
AUGUST.	1	60.0	60.2	60.6	61.1	61.0	61.0	60.6	60.5	60.5	60.2	60.2	60.1	60.50
	2	60.2	60.5	61.2	61.6	61.2	61.0	60.5	60.5	60.2	59.8	59.7	59.8	60.52
	3	60.4	61.3	62.0	62.4	61.8	61.2	60.9	60.7	60.4	60.0	59.6	60.1	60.90
	4	60.6	61.5	62.0	62.1	61.8	61.5	60.8	60.5	60.4 <sup>b</sup>	60.2	60.0	60.0	60.95
	5	60.5	60.7	61.0	61.2	61.1	60.9	60.5	60.6	60.3	60.0	59.9	59.9	60.55
	6	60.1	60.8	61.0	60.9	60.6	60.3	60.2	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	59.4	59.2	59.1	59.1	59.4	60.01
	8	59.5	60.2	60.6	60.6	60.4	60.1	59.8	59.6	59.4	59.0	58.8	58.9	59.74
	9	59.3	59.8	60.1	60.3	60.0	59.9	59.8	59.6	59.4	59.0	59.0	59.2	59.62
	10	59.6	60.0	60.2	60.4	60.0	59.6	59.4	59.1	59.0	58.8	58.7	58.8	59.47
	11	59.6	60.5	61.0	61.4	61.0	60.4	60.0	59.8 <sup>c</sup>	59.4	59.3	59.0	59.2	60.05
	12	59.8	60.8	61.5	61.6	61.0	60.7	60.4	60.2	59.8	59.4	59.0	59.3	60.29
	13	60.0	60.6	61.1	61.2	60.8	60.5	60.4	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	59.1	59.0	59.0	59.0	59.0	59.98
	15	60.0	62.3	63.3	63.2	62.7	61.8	61.0	60.6	60.4	60.2	60.2	60.0	61.31
	16	60.3	61.0	61.6	61.9	61.4	60.9	60.5	60.4	59.8	59.6	59.5	59.4	60.53
	17	60.0	61.0	61.6	61.6	61.2	60.8	60.6	60.2	60.0	59.5	59.4	59.3	60.43
	18	59.5	60.0	60.6	60.5	59.9	59.5	59.2	58.7	58.4	58.2	58.1	58.0	59.22
	19	58.2	59.0	59.2	59.2	59.0	58.7	58.4	58.2	58.1	58.0	57.9	58.1	58.50
	20	58.4	58.8	59.0	59.2	59.2	58.9	58.8	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	58.8	58.8	58.8	58.7	58.8	58.85
	22	59.4	60.6	61.0	60.8	60.5	60.1	59.9	59.8	59.6	59.1	59.1	59.1	59.92
	23	59.5	60.8	61.4	61.6	61.1	60.6	60.1	60.1	60.1	59.7	59.5	59.5	60.33
	24	59.6	60.3	60.6	60.8	60.7	60.4	60.1	60.0	59.6	59.4	59.3	59.3	60.01
	25	59.7	60.5	61.4	62.0	61.4	60.6	60.2	59.8	59.5	59.4	59.2	59.0	60.23
	26	59.6	60.4	61.2	61.0	60.6	60.3	60.1	60.0	59.8	59.4	59.3	59.1	60.07
	27	59.6	60.2	60.7	60.8	60.6	60.4	59.9	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	58.8	58.7	58.4	58.4	58.3	59.57
	29	58.7	59.6	60.9	61.0	60.5	60.1	60.0	59.3	59.0	58.8	58.6	58.6	59.59
	30	59.0	60.1	60.8	61.0	60.4	60.0	59.6	59.6	59.6	59.4	59.1	59.1	59.81
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	59.66	60.44	60.99	61.13	60.77	60.39	60.07	59.77	59.55	59.30	59.17	59.20	—	

<sup>a</sup> Magnet vibrated in the vertical plane.

<sup>b</sup> Two minutes late.

<sup>c</sup> Five minutes late.

<sup>d</sup> Magnet removed, and horizontal time of vibration observed.

<sup>e</sup> Observations of the 31st omitted in the means.

VERTICAL FORCE.														
One Scale Division = .0008 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
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.	Sc. Div.	
	2	—	51.5	52.1	52.3	52.5	51.2	51.2	50.7	50.4	50.8	50.7	50.3	51.4
	3	48.4	48.7	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.2	49.3	49.3	49.3
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	47.4	47.6	48.1	48.1	48.1	47.8	48.0	48.2	48.6	48.5	47.9	47.1	47.1
	6	46.9	46.9	47.2	47.6	49.2	48.9	48.3	48.3	47.8	47.8	47.6	48.0	48.1
	7	47.8	47.6	47.4	47.1	47.1	47.4	47.6	48.1	48.0	48.0	47.8	47.7	52.0
	8	50.1	51.6	53.1	53.1	53.1	53.6	53.5	54.0	54.2	54.3	54.4	54.4	— <sup>a</sup>
	9	52.9	52.6	53.8	53.9	53.5	52.1	52.1	51.8	51.4	52.4	52.3	52.2	52.0
	10	50.3	50.8	50.1	50.2	51.0	51.0	51.4	51.1	50.7	50.5	50.3	50.0	50.0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	47.5	47.4	47.3	47.3	47.3	47.6	47.6	47.8	47.9	47.9	47.7	47.8	47.8
	13	48.2	48.4	48.2	48.1	48.5	48.3	48.0	48.0	47.8	47.8	46.7	47.2	47.2
	14	48.9	49.2	49.2	51.1	46.7	47.7	48.0	47.8	47.8	47.8	47.2	47.2	47.3
	15	42.1	42.1	42.1	42.3	42.5	42.5	42.5	42.6	42.8	43.0	42.9	42.9	42.9
	16	—	—	—	—	—	52.9	53.0	53.2	53.2	53.2	53.0	53.0	52.9
	17	53.7	53.7	53.4	53.4	53.4	53.4	53.4	53.2	53.9	53.3	52.4	52.4	52.4
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	52.7	54.1	54.7	55.4	55.4	55.4	55.4	55.4	54.7	54.7	54.5	54.5	55.9
	20	53.0	53.1	53.7	54.3	54.7	55.3	55.0	54.8	53.8	53.6	53.6	53.4	53.3
	21	54.2	54.4	54.4	54.3	54.6	54.2	54.2	53.7	55.2	55.1	54.8	55.8	55.6
	22	53.5	53.3	53.0	53.0	52.9	52.9	52.8	52.8	52.7	52.6	52.6	52.4	52.7
	23	54.8	54.8	54.7	54.5	54.5	54.5	54.5	54.4	52.9	52.9	52.6	52.4	52.7
	24	50.4	50.6	50.7	50.7	50.7	50.7	50.5	50.9	50.6	50.7	50.8	50.5	50.7
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	50.6	50.6	50.7	51.1	51.8	51.8	51.6	51.2	51.2	50.9	51.3	51.2	52.5
	27	55.4	55.4	55.6	55.8	55.9	56.0	56.0	56.3	56.4	56.3	56.1	55.0	55.2
	28	48.8	48.8	48.8	49.8	49.8 <sup>c</sup>	51.2	51.2	51.1	51.2	50.6	50.8	50.6	50.6
	29	49.8	49.8	50.1	50.7	51.2	51.1	51.0	51.1	50.7	50.8	51.2	51.2	52.1
	30	52.5	— <sup>a</sup>	—	—	53.5	53.1	52.9	52.9	52.8	52.8	53.4	53.3	53.3
Hourly Means <sup>e</sup>	50.76	50.92	51.06	51.34	51.34	51.33	51.30	51.24	51.10	51.06	50.89	50.80	51.24	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
SEPTEMBER.	°	°	°	°	°	°	°	°	°	°	°	°	°	
	2	—	60.1	60.8	61.2	61.3	61.3	61.1	61.0	60.8	60.7	60.7	60.5	60.6
	3	59.3	59.6	60.0	60.1	60.4	60.4	60.4	60.2	60.1	60.0	59.6	59.6	59.4
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	59.0	59.4	59.8	60.0	60.0	60.0	60.1	60.0	60.0	59.8	59.5	59.4	59.3
	6	58.9	59.1	59.5	60.1	60.2	60.2	60.1	60.0	59.7	59.6	59.4	59.3	59.2
	7	59.0	59.1	59.6	60.0	60.4	60.9	60.9	60.7	60.5	60.2	60.2	60.0	59.8
	8	59.3	59.6	59.8	60.2	60.4	60.6	60.8	60.7	60.6	60.4	60.1	60.0	—
	9	59.9	59.5	61.1	61.6	62.0	62.0	62.0	61.4	61.4	61.2	61.0	60.6	60.5
	10	60.2	60.8	61.2	61.2	61.6	61.8	61.7	61.4	61.3	61.1	61.0	61.0	60.6
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	59.4	59.7	60.1	60.6	60.7	60.6	60.6	60.4	60.2	60.0	60.0	59.9	59.8
	13	59.4	59.8	60.2	60.8	61.2	61.2	61.2	61.0	60.8	60.6	60.3	60.0	60.0
	14	59.8	60.1	60.6	61.0	61.3	61.3	61.4	61.2	61.0	60.4	60.4	60.2	60.1
	15	59.9	60.3	60.8	61.1	61.2	61.2	61.2	61.0	60.8	60.7	60.4	60.3	60.3
	16	—	—	—	—	—	62.6	62.4	61.8	61.5	61.3	61.4	61.2	61.0
	17	60.4	60.9	61.1	61.4	61.4	61.4	61.4	61.2	61.1	61.0	60.7	60.6	60.4
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	60.8	61.4	62.0	62.2	62.5	62.4	62.5	62.0	61.6	61.4	61.0	60.8	60.5
	20	60.3	61.0	61.4	61.8	62.0	62.1	62.0	61.7	61.4	61.1	61.0	60.8	60.5
	21	60.7	61.3	62.0	62.1	62.5	62.4	62.3	62.0	61.9	61.7	61.4	61.3	61.2
	22	61.0	61.4	61.8	62.1	62.2	62.2	62.0	61.8	61.7	61.5	61.5	61.5	61.3
	23	60.0	60.0	60.0	60.0	60.1	60.3	60.5	60.1	60.3	60.1	60.0	59.7	59.4
	24	59.5	60.2	60.4	61.0	61.2	61.3	61.2	61.1	60.9	60.7	60.4	60.0	59.9
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	59.7	60.4	61.3	62.0	62.9	63.2	63.4	63.1	63.0	62.7	62.3	62.0	61.8
	27	61.5	62.0	62.4	63.0	63.5	63.6	63.5	63.3	62.9	62.8	62.5	62.2	61.9
	28	61.7	62.4	63.3	64.3	65.1	65.5	65.4	65.2	64.9	64.4	64.0	63.6	63.2
	29	62.5	63.1	64.2	65.0	65.6	66.2	66.0	65.7	65.2	64.6	64.3	64.0	63.5
	30	62.4	—	—	—	64.4	64.6	64.5	64.2	64.0	63.5	63.4	63.2	63.0
Hourly Means <sup>e</sup>	60.17	60.56	61.11	61.53	61.84	61.95	61.92	61.67	61.49	61.26	61.04	60.84	60.64	

<sup>a</sup> Magnet removed and re-adjusted.<sup>b</sup> Four minutes late.<sup>c</sup> Magnet vibrated without removal between 4th and 5th.

VERTICAL FORCE.													
One Scale Division = .0008 parts of the V. F.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily Means.	
SEPTEMBER.	2	50.4	50.6	50.5	50.4	50.3	50.2	49.8	49.6	48.8	48.8	48.4	50.56
	3	—	—	—	—	—	—	—	—	—	—	—	48.83
	4	49.0	49.2	48.8	49.0	48.4	48.4	48.4	48.4	47.5	47.9	47.4	47.72
	5	47.2	47.7	47.6	47.4	47.6	47.6	47.5	47.7	47.8	47.3	47.3	48.13
	6	48.9	48.8	49.6	49.5	49.5	48.8	47.8	47.6	47.6	47.1	47.3	49.76
	7	51.6	51.7	51.7	52.6	52.9	52.8	52.6	52.4	52.1	50.1	50.1	—
	8	—	—	53.7	54.1	54.1	54.1	52.4	52.6	52.6	52.6	52.6	51.50
	9	51.4	51.2	51.2	50.9	50.2	50.0	49.9	49.3	49.3	49.6	50.1	—
	10	—	—	—	—	—	—	—	—	—	—	—	49.15
	11	48.6	47.9	47.4	47.3	47.1	47.1	47.2	47.2	46.5	48.2	47.7	47.60
	12	47.8 <sup>b</sup>	48.0	47.9	47.8	47.5	47.5	47.5	47.5	46.7	47.5	47.7	47.55
	13	47.0	46.9	47.3	47.3	46.9	46.3	46.3	46.3	46.3	49.1	49.2	47.21
	14	47.3	47.1	47.1	47.0	46.9	46.7	46.6	46.6	46.9	42.5	42.5	—
	15	42.8	42.4	— <sup>a</sup>	—	—	—	—	—	—	—	—	—
	16	52.9	53.6	53.6	53.6	53.6	53.4	53.4	53.4	53.9	55.1	53.4	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	51.8	51.8	51.8	51.8	52.9	54.2	53.6	53.6	53.6	48.8	51.3	52.80
	19	55.0	55.1	55.2	55.1	54.9	54.8	54.9	54.2	53.6	53.2	52.7	54.65
	20	53.3	54.3	54.2	54.3	54.6	54.6	54.7	54.7	54.5	53.8	53.8	54.10
	21	55.7	55.2	55.3	56.4	56.2	52.6	52.9	53.1	53.1	53.1	53.4	54.48
	22	53.5	53.5	53.5	53.3	53.6	53.4	51.8	51.9	51.9	55.1	54.8	53.12
	23	52.6	52.6	52.5	52.6	52.6	53.0	53.0	50.1	50.1	50.3	50.3	52.91
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	50.7	48.4	48.5	48.5	49.0	53.2	53.2	53.2	53.6	50.6	49.8	50.72
	26	54.8	56.2	56.2	56.1	56.3	55.7	55.9	56.3	56.3	55.4	55.4	53.38
	27	55.2	55.2	54.1	54.1	54.0	53.8	54.3	54.3	54.3	49.1	49.1	54.70
	28	50.4	50.3	50.5	50.3	50.3	50.3	49.9	49.6	49.6	49.2	50.3	50.17
	29	52.1	52.1 <sup>d</sup>	52.1	51.4	52.0	51.6	50.9	50.8	50.7	52.1	52.4	51.21
	30	53.8	53.7	53.8	53.3	53.3	53.5	53.5	53.4	53.4	52.0	52.2	—
	Hourly Means <sup>e</sup>	51.16	51.13	51.10	51.10	51.13	51.08	50.89	50.69	50.51	49.94	50.05	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
SEPTEMBER.	2	60.2	60.2	60.1	59.9	59.5	59.4	59.2	59.0	59.0	59.0	59.0	60.20
	3	—	—	—	—	—	—	—	—	—	—	—	59.33
	4	58.8	58.8	58.8	58.7	58.7	58.7	58.4	58.4	58.4	58.5	58.6	59.37
	5	59.2	59.2	59.2	59.1	59.0	59.0	58.9	58.8	58.9	58.5	58.7	59.23
	6	59.1	59.1	59.0	59.0	58.8	58.6	58.5	58.4	58.4	58.5	58.8	59.73
	7	59.7	59.5	59.4	59.4	59.3	59.2	59.2	59.1	59.0	59.1	59.2	—
	8	—	—	60.4	60.0	59.7	59.6	59.4	59.4	59.4	59.4	59.5	60.56
	9	60.3	60.2	60.2	60.1	60.0	59.9	59.8	59.7	59.6	59.7	59.8	—
	10	—	—	—	—	—	—	—	—	—	—	—	60.25
	11	59.6	59.5	59.6	59.5	59.1	59.0	59.0	59.0	58.8	59.0	59.1	59.71
	12	59.8 <sup>b</sup>	59.6	59.4	59.3	59.1	59.0	59.0	59.0	58.9	58.9	59.0	60.03
	13	59.8	59.8	59.8	59.6	59.4	59.4	59.3	59.2	59.1	59.3	59.4	—
	14	59.9	59.9	59.8	59.7	59.7	59.5	59.3	59.4	59.3	59.4	59.6	—
	15	60.0	59.9	—	—	—	—	—	—	—	—	—	—
	16	60.9	60.5	60.4	60.4	60.3	60.3	60.2	60.1	60.1	60.1	60.4	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	59.8	59.6	59.6	59.6	59.5	59.5	59.4	59.4	59.4	60.0	60.2	60.38
	19	60.5	60.3	60.2	60.1	60.1	59.8	59.7	59.6	59.5	59.4	59.6	60.83
	20	60.4	60.5	60.4	60.3	60.0	59.9	59.6	59.6	59.6	60.0	60.1	60.73
	21	61.1	61.1	61.1	61.0	60.7	60.7	60.5	60.5	60.4	60.5	60.9	61.30
	22	61.1	60.8	60.6	60.5	60.5	60.4	60.4	60.4	60.2	60.0	60.0	61.12
	23	59.4	59.4	59.4	59.3	59.2	59.0	58.9	58.8	58.8	59.0	59.1	59.62
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	59.5	59.4	59.4	59.2	59.4	59.3	59.2	59.2	59.2	59.0	59.2	59.99
	26	61.6	61.5	61.3	61.2	60.8	60.7	60.5	60.4	60.4	60.7	61.0	61.58
	27	61.7	61.4	61.3	61.2	61.2	61.1	61.1	61.0	60.9	61.0	61.3	62.01
	28	63.0	62.8	62.7	62.6	62.3	62.1	62.0	61.9	61.9	62.1	62.1	63.27
	29	63.4	63.0 <sup>d</sup>	62.9	62.7	62.6	62.5	62.4	62.1	62.2	62.1	62.3	63.67
	30	62.9	63.1	62.8	62.7	62.4	62.3	62.3	62.2	62.2	62.4	62.5	—
	Hourly Means <sup>e</sup>	60.40	60.29	60.22	60.12	59.96	59.86	59.75	59.68	59.63	59.72	59.87	

<sup>d</sup> Five minutes late.

<sup>e</sup> Observations of the 8th, 15th, 16th, and 30th omitted in the Means, on account of re-adjustments.



VERTICAL FORCE.															
One Scale Division = .0006 parts of the V. F.															
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .		
OCTOBER.	1	52.4	52.6	52.7	52.5	53.1	53.0	53.3	52.7	52.8	53.3	53.0	52.6	51.9	
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	
	3	50.2	51.0	51.2	51.3	51.4	51.1	51.1	50.4	49.3	49.3	50.8	50.8	50.9	
	4	50.8	50.3	50.2	49.9	50.6	50.9	50.7	50.8	50.7	50.6	50.6	50.6	50.3	50.3
	5	48.9	49.1	49.1	49.5	49.9	50.0	50.7	50.7	50.5	50.5	49.7	49.8	49.6	49.6
	6	49.3	49.5	49.5	50.2	50.6	50.8	51.2	51.7	51.2	50.8	51.5	50.8	51.2	51.2
	7	50.2	50.4	51.1	51.3	51.3	51.6	48.9	51.1	52.1	52.6	52.2	51.9	52.0	52.0
	8	49.8	50.2	50.4	50.6	— <sup>a</sup>	52.0	52.2	51.8	51.5	50.8	50.6	50.4	50.0	50.0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	48.3	48.6	48.9	49.4	47.8	47.6	46.9	46.7	47.5	46.5	45.8	45.6	46.4	46.4
	11	42.3	42.3	42.6	43.0	43.5	43.7	44.6	44.6	45.4	45.4	44.3	43.3	43.9	43.9
	12	44.3	44.9	45.2	45.8	46.0	46.0	46.0	46.3	46.0	46.0	45.6	45.6	45.5	45.5
	13	42.9	43.5	43.6	44.8	45.5	46.1	46.3	46.3	46.4	45.5	45.5	46.7	46.3	46.3
	14	45.2	45.1	45.5	44.9	45.2	46.1	46.9	47.1	46.5	46.6	46.7	45.5	45.7	45.7
	15	43.4	43.4	44.3	44.5	45.1	44.4	44.4	44.0	44.0	43.9	43.4	44.3	44.3	44.3
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	42.9 <sup>b</sup>	—	—	—	44.1	44.5	44.8	44.2	44.2	43.9	44.5	45.1	45.0	45.0
	18	42.3	43.1	43.9	43.9	44.3	44.5	43.9	44.4	44.7	45.0	45.0	45.0	44.8	44.8
	19	43.9	43.7	43.8	44.2	44.8	44.8	45.1	45.2	45.1	45.2	44.5	42.6	41.4	41.4
	20	40.0	40.3	40.9	41.6	42.0	42.2	40.9	40.9	40.3	40.3	41.9	41.9	43.0	43.0
	21	42.1	43.1	43.4	45.3	46.5	46.9	46.3	46.2	46.1	45.5	45.0	44.5	45.5	45.5
	22	42.9	42.9	42.9	42.9	42.8	47.4	46.4	45.9	45.8	42.7	42.4	41.8	41.7	41.7
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	42.7	43.0	42.6	42.6	42.6 <sup>c</sup>	43.0	43.2	43.3	44.9	45.0	44.9	43.7	43.6	43.6
	25	42.2	42.2	42.5	42.7	43.5	43.9	44.2	44.7	44.8	44.8	44.8	44.8	44.8	44.8
	26	46.2	45.9	46.2	46.0	47.2 <sup>b</sup>	48.3	48.7	48.5	52.0	53.0	53.0	53.1	53.1	53.1
	27	51.6	52.2	52.9	53.1	53.6	54.1	54.1	53.3	53.3	53.3	53.2	53.2	52.9	52.9
	28	51.7	52.6	53.3	53.0	52.9	52.6	52.6	52.2	51.1	51.1	51.3	51.3	51.3	51.3
	29	49.3	49.7	49.7	49.3	49.8	49.8	49.8	50.0	50.0	50.0	49.6	49.8	50.0	50.0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	48.9	49.1	49.3	49.6	49.7	49.7	49.9	49.8	49.6	49.7	49.8	50.4	50.5	50.5
Hourly Means <sup>e</sup>	46.33	46.60	46.89	47.14	47.49	47.85	47.75	47.78	47.92	47.78	47.69	47.47	47.52	47.52	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.															
OCTOBER.	1	62.7	63.0	63.0	63.1	63.1	63.1	63.0	62.8	62.6	62.5	62.4	62.2	62.2	
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	
	3	61.5	62.0	62.6	63.4	63.6	63.8	63.5	63.2	62.9	62.4	62.1	62.0	61.7	61.7
	4	61.1	61.1	61.4	62.0	62.2	62.4	62.3	62.0	62.0	61.8	61.6	61.4	61.3	61.3
	5	60.8	61.2	61.4	61.7	62.0	62.0	62.0	61.9	61.7	61.6	61.5	61.3	61.2	61.2
	6	61.0	61.5	62.1	62.8	63.2	63.1	63.0	62.9	62.6	62.3	62.2	61.9	61.7	61.7
	7	61.0	61.1	61.4	62.0	62.2	62.4	62.4	62.4	62.3	62.1	62.0	61.8	61.6	61.6
	8	61.4	61.9	62.3	62.8	—	63.8	63.5	63.4	63.0	62.6	62.4	62.3	62.0	62.0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	60.5	61.0	61.6	62.3	63.1	63.3	63.4	63.2	63.0	62.7	62.3	62.0	61.7	61.7
	11	61.1	61.6	62.4	63.0	63.2	63.5	63.4	63.3	63.0	62.7	62.4	62.3	62.0	62.0
	12	61.6	62.0	62.6	63.2	63.5	63.8	63.7	63.5	63.4	63.3	63.2	62.9	62.5	62.5
	13	62.2	62.4	62.9	63.5	64.2	64.7	65.0	64.5	64.4	64.0	63.7	63.2	63.2	63.2
	14	63.1	63.6	64.4	64.9	65.2	65.4	65.6	65.4	65.1	65.0	64.9	64.4	64.1	64.1
	15	62.7	63.0	63.5	63.6	63.8	64.0	64.0	63.8	63.5	63.3	63.1	63.0	62.7	62.7
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	61.2	—	—	—	62.4	62.3	62.1	62.0	61.9	61.9	61.9	61.7	61.6	61.6
	18	61.1	61.3	61.5	61.7	61.7	61.8	61.9	61.7	61.5	61.4	61.3	61.2	61.1	61.1
	19	60.7	61.1	61.5	61.7	62.0	62.0	62.0	61.7	61.6	61.4	61.3	61.3	61.1	61.1
	20	61.1	61.3	61.5	61.9	62.2	62.3	62.1	62.1	62.1	61.8	61.7	61.5	61.3	61.3
	21	60.9	61.4	62.0	62.2	62.4	62.5	62.5	62.4	62.1	62.0	61.7	61.5	61.4	61.4
	22	61.0	61.3	61.8	61.9	62.2	62.5	62.3	62.1	61.9	61.8	61.5	61.3	61.1	61.1
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	60.6	61.2	61.8	62.0	62.2 <sup>c</sup>	62.4	62.4	62.1	62.0	61.8	61.5	61.4	61.3	61.3
	25	61.1	61.6	62.1	62.4	62.8	63.0	63.0	62.7	62.5	62.3	62.2	62.1	62.0	62.0
	26	62.0	62.3	62.9	62.9	63.0	63.4	63.3	63.0	63.0	62.7	62.5	62.4	62.2	62.2
	27	62.3	63.0	63.3	63.5	63.6	64.0	63.8	63.5	63.3	63.0	62.7	62.5	62.4	62.4
	28	61.7	62.1	62.3	62.4	62.6	62.6	62.6	62.4	62.1	61.9	61.6	61.5	61.4	61.4
	29	61.3	61.5	61.8	62.2	62.4	62.5	62.4	62.0	62.0	61.7	61.5	61.4	61.2	61.2
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	60.4	60.6	61.1	61.5	61.9	61.6	61.8	61.7	61.5	61.3	61.3	61.1	60.8	60.8
Hourly Means <sup>e</sup>	61.40	61.76	62.20	62.58	62.85	63.00	62.98	62.76	62.59	62.37	62.18	61.98	61.80	61.80	

<sup>a</sup> Magnet removed and re-adjusted.<sup>b</sup> Time of vibration observed.

VERTICAL FORCE.												
One Scale Division = .0006 parts of the V. F.												
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	50.3	52.2	51.9	52.0	52.1	52.1	52.1	52.0	51.7	49.9	49.8
	3	50.8	50.7	50.8	50.5	50.1	49.9	50.0	50.5	50.5	50.6	50.6
	4	50.2	50.0	50.0	49.8	—	50.0	50.0	50.0	49.8	49.6	49.0
	5	49.6	49.9	50.0	49.9	49.7	49.7	49.5	49.5	49.3	49.3	49.3
	6	51.1	51.6	51.6	51.6	51.7	51.4	52.9	52.9	50.5	50.3	50.3
	7	51.9	51.9	51.9	52.1	52.1	52.1	51.2	51.2	51.2	49.8	49.8
	8	—	—	—	—	—	—	—	—	—	—	—
	9	47.7	47.8	47.6	47.6	47.5	47.5	47.1	46.9	46.9	48.2	48.1
	10	46.2	46.1	45.5	45.5	45.5	45.5	45.5	44.7	43.9	42.6	42.3
	11	43.5	44.9	44.8	44.6	44.6	43.7	43.8	45.0	45.1	44.6	44.6
	12	45.5	45.5	45.4	45.4	45.4	44.0	45.1	45.1	45.1	42.8	42.8
	13	46.1	45.8	45.4	43.2	42.6	42.6	42.5	42.7	42.1	43.9	44.2
	14	44.3	44.3	44.0	44.0	44.0	43.1	41.7	41.7	41.2	43.5	43.8
	15	—	—	—	—	—	—	—	—	—	—	—
	16	41.6	42.0	42.3	42.3	41.8	42.2	41.9	42.9	44.0	43.6	42.9
	17	45.0	44.8	44.8	44.8	44.8	45.3	46.0	44.4	44.4	42.3	42.3
	18	44.8	45.3	44.8	44.8	44.7	45.4	45.1	45.0	44.9	45.7	44.5
	19	43.3	42.9	43.6	43.5	44.0	43.2	43.0	41.0	41.1	41.4	39.7
	20	42.8	43.1	43.2	42.8	43.2	43.2	43.2	42.7	42.7	43.9	43.7
	21	45.7	45.3	45.0	44.9	44.9	52.7	47.6	48.5	46.3	42.1	42.8
	22	—	—	—	—	—	—	—	—	—	—	—
	23	39.1	39.0	39.0	39.0	38.9	41.0	41.0	40.9	40.8	43.5	42.5
	24	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	42.2	42.2
	25	46.2	46.3	46.3	46.3	46.2	46.2	46.2	46.2	45.3	45.0	46.3
	26	53.0	53.0	50.6	50.7	50.3	51.1	50.7	51.1	50.4	51.9	51.3
	27	52.9	52.9	52.9	52.9	52.5	52.5	52.4	52.1	51.9	51.2	51.2
	28	51.5	51.5	50.0	49.9	49.9	49.4	48.8	48.8	48.8	49.6	49.3
	29	—	—	—	—	—	—	—	—	—	—	—
	30	49.1	49.1	49.4	49.0	48.6	48.5	46.6	49.7	50.0	50.0	49.0 <sup>d</sup>
	31	50.9	51.1	51.2	50.8	51.3	50.8	50.6	50.6	50.6	49.8	49.8
Hourly Means <sup>c</sup>	47.31	47.48	47.28	47.10	46.95	47.30	46.93	47.07	46.80	46.48	46.31	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—
	2	61.0	60.9	60.8	60.7	60.8	60.7	60.6	60.6	60.7	60.8	61.0
	3	61.5	61.3	61.2	61.2	61.0	60.9	60.8	60.7	60.7	60.6	61.0
	4	61.1	61.0	60.9	60.8	—	60.5	60.5	60.4	60.4	60.4	60.4
	5	61.0	60.9	60.9	60.8	60.5	60.5	60.3	60.2	60.1	60.4	60.8
	6	61.6	61.4	61.2	61.2	61.1	61.0	60.9	60.8	60.8	60.8	61.0
	7	61.4	61.3	61.2	61.1	61.0	60.8	60.8	60.7	60.7	60.8	61.1
	8	—	—	—	—	—	—	—	—	—	—	—
	9	60.6	60.6	60.4	60.4	60.4	60.3	60.3	60.1	60.0	60.0	60.0
	10	61.5	61.4	61.2	61.1	61.1	60.9	60.9	60.6	60.6	60.6	60.7
	11	62.0	61.7	61.6	61.6	61.4	61.3	61.2	61.1	61.0	61.1	61.4
	12	62.4	62.2	62.1	62.1	62.0	61.8	61.7	61.1	61.6	61.6	61.9
	13	62.9	62.8	62.6	62.4	62.3	62.1	62.0	61.8	61.8	62.0	62.5
	14	63.8	63.4	63.2	63.0	62.8	62.6	62.5	62.4	62.2	62.4	62.5
	15	—	—	—	—	—	—	—	—	—	—	—
	16	61.5	61.5	61.5	61.4	61.4	61.3	61.2	61.2	61.1	61.0	61.1
	17	61.4	61.3	61.2	61.1	61.0	61.0	60.9	60.9	61.0	61.0	61.0
	18	61.0	60.9	60.8	60.7	60.6	60.6	60.5	60.4	60.2	60.2	60.4
	19	61.0	61.0	61.1	60.9	60.9	60.5	60.5	60.6	60.5	60.6	61.0
	20	61.2	61.0	60.8	60.7	60.6	60.6	60.4	60.1	60.1	60.3	60.6
	21	61.3	61.0	60.9	60.7	60.6	60.4	60.3	60.2	60.2	60.3	60.4
	22	—	—	—	—	—	—	—	—	—	—	—
	23	60.4	60.2	60.2	60.1	60.1	60.0	60.0	60.0	60.0	60.0	60.2
	24	61.2	60.9	60.8	60.7	60.7	60.5	60.3	60.2	60.2	60.4	60.7
	25	61.7	61.5	61.4	61.3	61.2	61.2	61.1	61.1	61.1	61.3	61.5
	26	62.0	61.8	61.7	61.6	61.4	61.3	61.1	61.0	61.0	61.2	61.6
	27	62.2	61.8	61.6	61.5	61.4	61.3	61.1	61.0	61.0	61.1	61.5
	28	61.2	61.1	61.0	60.9	60.8	60.7	60.6	60.6	60.4	60.6	61.0
	29	—	—	—	—	—	—	—	—	—	—	—
	30	60.6	60.5	60.4	60.2	60.1	60.2	60.1	60.0	60.0	59.8	60.0 <sup>d</sup>
	31	60.8	60.6	60.5	60.4	60.4	60.0	60.0	59.8	59.7	59.8	60.0
Hourly Means <sup>c</sup>	61.51	61.34	61.23	61.13	61.05	60.90	60.81	60.71	60.67	60.75	61.01	

<sup>c</sup> Two minutes late.

<sup>d</sup> Half a minute late.

<sup>e</sup> Observations of the 8th, 9th, and 17th, omitted in the means.

VERTICAL FORCE.														
One Scale Division = .0006 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
NOVEMBER.	1	49·8 <sup>a</sup>	—	—	—	51·3	51·9	—	51·2	51·8	51·4	50·9	49·3	49·7
	2	49·0	49·3	49·8	49·6	50·4	51·3	51·3	51·3	51·0	51·1	50·8	51·1	51·2
	3	49·6	51·4	50·0	50·5	50·5	51·2	52·3	52·5	52·7	52·3	52·3	55·5	54·4
	4	49·9	50·1	50·9	51·7	52·5	53·3	53·4	53·5	52·9	54·5	54·1	52·8	52·6
	5	55·7	55·7	55·4	55·4	55·3	55·1	55·7	55·7	55·6	55·6	55·7	55·5	56·5
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	48·7	48·6	47·8	48·1	48·5	49·1	49·7	49·7	49·4	49·4	49·5	49·2	49·2
	8	49·4	49·9	50·4	50·4	50·0	50·0	50·4	50·4	50·3	50·0	50·3	50·1	50·0
	9	50·1 <sup>b</sup>	48·2	48·3	48·5	48·9	49·4	49·4	49·3	50·3	50·6	50·4	50·2	50·1
	10	50·6	50·0	50·9	51·3	52·1	52·3	51·3	51·6	50·9	50·7	51·0	51·0	51·0
	11	51·0	50·9	50·5	50·7	50·7	50·7	51·3	51·8	51·5	51·8	51·8	52·0	52·1
	12	50·5	50·1	49·7	49·8	49·8	51·1	51·1	51·1	51·6 <sup>c</sup>	51·6	49·9	50·7	49·7
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	49·6	49·7	50·3	50·5	50·1	49·6	50·0	50·0	49·8	49·8	48·7	48·9	49·2
	15	47·6	47·7	48·1	48·5	48·9	49·1	49·4	49·5	49·8	50·0	50·0	49·9	49·8
	16	52·5	53·0	53·1	52·6	53·2	53·8	53·8	53·8	52·4	52·3	52·4	52·3	52·2
	17	51·1	50·7	50·7	51·2	51·8	52·6	52·6	52·9	53·2	53·2	52·0	52·2	53·1
	18	50·4	51·5	51·8	52·0	53·0	53·7	53·8	54·3	54·3	53·8	53·5	53·0	53·0
	19	51·6	51·9	51·2	51·6	51·8	51·8	51·8	51·7	51·7	51·7	52·4	52·2	52·3
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	55·3	55·3	55·3	55·5	56·5	56·7	57·4	57·5	57·5	57·5	56·7	56·7	56·9
	22	57·5	57·3	57·7	57·9	58·1	57·5	58·8	57·4	61·3	59·2	59·5	59·3	59·6
	23	53·5	53·6	53·5	53·3	53·9	54·0	53·9	53·9	53·9	54·1	57·9	58·5	57·9
	24	56·0	55·4	55·4	55·4 <sup>b</sup>	—	57·0	57·7	57·3	58·2	58·0	57·8	57·4	57·4
	25	57·6	57·9 <sup>d</sup>	—	—	54·0	54·8	55·0	55·0	55·0	54·7	54·2	53·6	53·6
	26	51·2	51·1	51·7	51·7	52·3	52·5	52·7	52·7	52·7	52·7	52·2	52·2	52·7
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	50·2	50·8	50·8	51·1	52·2	52·2	52·1	52·1	51·8	51·6	51·6	51·3	50·9
	29	48·2	48·5	48·3	48·3	48·6	47·3	46·1	46·1	51·8	51·8	51·1	50·9	51·7
	30	48·3	48·3	48·3	48·5	48·6	48·7	47·7	48·9	49·0	49·0	49·0	49·3	49·1
	Hourly Means <sup>e</sup>	51·15	51·21	51·25	51·42	51·64	52·08	52·24	52·29	52·65	52·57	52·52	52·61	52·61
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
NOVEMBER.	1	60·4	—	—	—	62·4	62·4	—	62·1	62·0	61·7	61·6	61·5	61·3
	2	61·3	61·7	62·2	62·6	62·9	63·3	63·2	63·0	62·8	62·5	62·1	62·0	61·8
	3	61·8	62·3	63·0	63·4	64·0	64·6	64·7	64·6	64·4	64·0	63·6	63·0	62·6
	4	62·5	63·0	63·6	64·2	64·8	65·0	65·1	64·7	64·5	64·2	63·8	63·4	63·1
	5	62·3	62·7	63·2	63·6	63·7	63·9	64·1	63·8	63·6	63·4	63·2	63·0	62·9
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	62·5	62·8	63·2	63·6	64·1	64·3	64·5	64·4	64·3	63·8	63·5	63·2	63·0
	8	62·9	63·4	64·0	64·1	64·3	64·4	64·5	64·3	64·2	64·0	63·6	63·4	63·2
	9	63·1	63·8	64·1	64·4	64·8	65·0	65·0	64·8	64·4	64·1	63·8	63·5	63·3
	10	62·6	63·0	63·2	63·6	63·5	63·7	63·7	63·7	63·6	63·3	63·0	62·9	62·8
	11	62·4	62·6	62·8	62·8	63·0	63·2	63·3	63·2	63·0	63·0	62·8	62·5	62·4
	12	62·0	62·5	63·0	63·2	63·5	63·5	63·7	63·5	63·3 <sup>c</sup>	63·0	62·8	62·6	62·3
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	62·0	62·2	62·9	63·0	63·4	63·4	63·5	63·2	63·0	62·8	62·5	62·4	62·3
	15	61·8	62·1	62·5	62·9	63·2	63·4	63·3	63·1	62·9	62·7	62·5	62·4	62·1
	16	61·7	62·0	62·4	62·6	63·0	63·4	63·5	63·5	63·4	63·2	63·0	62·6	62·5
	17	61·9	62·2	62·7	62·6	63·0	63·0	63·2	63·2	63·2	63·0	62·8	62·9	62·6
	18	62·0	62·4	62·7	63·0	63·3	63·4	63·6	63·6	63·6	63·4	63·2	63·0	63·0
	19	62·1	62·3	62·6	63·0	63·3	63·5	63·4	63·4	63·4	63·3	63·1	63·0	62·7
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	61·7	62·4	62·7	63·4	64·1	64·4	64·8	64·7	64·5	64·1	64·1	63·9	63·7
	22	63·5	64·0	64·4	64·6	65·0	65·1	65·2	65·2	65·3	65·1	64·8	64·6	64·3
	23	63·3	63·4	63·6	63·6	63·7	63·7	63·6	63·5	63·5	63·4	63·2	63·1	63·0
	24	62·5	62·7	63·1	63·4	—	64·0	63·9	63·7	63·6	63·5	63·3	63·2	63·0
	25	63·0	63·4	—	—	65·0	65·0	65·1	64·8	64·5	64·2	64·0	63·8	63·8
	26	63·4	63·8	64·3	64·6	65·1	65·1	65·0	64·8	64·7	64·5	64·2	64·0	63·7
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	63·0	63·5	64·2	64·6	65·1	65·4	65·5	65·3	65·0	64·6	64·3	64·0	63·6
	29	63·0	63·1	63·7	64·1	64·4	64·5	64·4	64·4	64·3	64·0	63·9	63·6	63·4
	30	63·2	63·4	63·9	64·3	64·6	64·7	64·5	64·5	64·2	64·1	63·7	63·6	63·4
	Hourly Means <sup>e</sup>	62·44	62·80	63·25	63·55	63·90	64·08	64·13	64·01	63·87	63·64	63·37	63·16	62·95

<sup>a</sup> Magnet removed and re-adjusted.<sup>b</sup> Time of vibration observed.<sup>c</sup> Two minutes late.

VERTICAL FORCE.														
One Scale Division = .0006 parts of the V. F.														
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.		
NOVEMBER.	1	49.5	49.6	49.9	49.6	49.3	49.2	49.2	49.1	49.0	49.0	—		
	2	50.9	50.8	50.8	50.8	50.8	50.1	50.1	50.1	50.1	50.6	50.0	50.51	
	3	53.3	52.7	—	52.0	52.3	51.6	51.4	51.1	50.9	50.4	49.9	51.77	
	4	52.4	52.7	52.0	52.0	51.1	53.2	53.2	55.0	55.5	55.7	55.7	52.95	
	5	—	—	—	—	—	—	—	—	—	—	—	—	
	6	55.8	56.2	56.3	56.9	55.6	54.5	54.5	53.4	53.6	48.8	48.7	51.88	
	7	49.0	48.7	48.5	48.5	48.4	48.4	48.4	49.3	49.3	49.6	49.4	48.93	
	8	49.5	49.3	49.2	49.2	49.2	49.3	49.3	49.9	49.9	50.5	49.5	49.85	
	9	49.7	49.5	49.5	49.3	49.3	50.5	51.2	51.3	51.4	50.6	50.6	49.86	
	10	51.0	50.9	50.9	50.9	50.8	50.9	50.8	49.4	48.0	50.7	51.1	50.84	
	11	52.1	52.0	52.0	49.8	49.9	48.3	47.4	49.1	49.0	49.0	49.8	50.63	
	12	—	—	—	—	—	—	—	—	—	—	—	—	
	13	49.3	48.7	48.8	48.9	51.2	50.6	50.1	50.1	50.0	49.3	49.1	50.12	
	14	49.3	49.0	49.1	48.9	48.9	48.9	48.9	48.9	48.4	48.4	48.4	49.30	
	15	49.8	49.8	49.7	49.7	49.3	49.3	49.5	49.5	49.4	52.9	52.5	49.57	
	16	52.2	48.9	50.8	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.5	52.20	
	17	53.1	52.7	52.7	52.7	52.7	52.7	52.7	52.2	52.1	50.4	50.3 <sup>b</sup>	52.15	
	18	53.1	53.0	53.0	53.0	53.0	52.5	52.2	52.2	52.2	52.8	52.2	52.80	
	19	—	—	—	—	—	—	—	—	—	—	—	—	
	20	51.6	51.6	51.8	52.0	51.3	54.4	55.6	55.4	55.7	55.9	55.3	52.68	
	21	56.7	56.7	57.0	56.9	56.8	56.5	55.9	59.0	58.4	57.9	57.8	56.85	
	22	59.2	59.3	58.6	58.6	58.7	58.0	57.7	57.3	58.0	54.4	52.9	58.07	
	23	57.8	57.5	57.5	57.5	57.5	57.5	57.5	54.7	54.7	55.2	55.7	55.62	
	24	57.2	57.1	57.1	56.7	56.7	55.9	56.0	56.0	56.2	57.6	57.6	56.83	
	25	53.9	53.6	53.4	53.4	52.8	52.7	52.7	52.7	52.6	52.5	52.1	—	
	26	—	—	—	—	—	—	—	—	—	—	—	—	
	27	49.4	49.4	52.3	52.5	52.0	52.0	51.4	51.6	51.0	50.8	50.8	51.73	
	28	52.1	51.3	51.0	51.0	50.7	50.5	50.5	50.5	50.0	50.8	49.6	51.11	
	29	51.7	49.8	49.8	49.2	49.0	48.6	48.6	48.6	48.4	48.3	48.3	49.12	
	30	49.1	49.1	49.1	49.3	51.0	50.8	50.4	50.4	50.5	50.8	51.1	49.35	
Hourly Means <sup>c</sup>	52.30	51.95	52.07	52.00	52.00	51.95	51.90	51.95	51.87	51.76	51.57			
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
	°	°	°	°	°	°	°	°	°	°	°	°		
NOVEMBER.	1	61.1	61.0	60.6	60.5	60.5	60.5	60.4	60.3	60.2	60.3	60.6	—	
	2	61.6	61.5	61.4	61.2	61.1	61.0	61.0	60.9	60.8	61.0	61.2	61.84	
	3	62.3	62.6	62.4	62.1	62.0	61.9	61.7	61.6	61.6	61.8	62.2	62.86	
	4	63.0	62.6	62.3	62.2	62.0	62.0	61.9	61.8	61.7	61.7	61.9	63.13	
	5	—	—	—	—	—	—	—	—	—	—	—	—	
	6	62.6	62.5	62.4	62.3	62.4	62.3	62.2	62.1	62.1	62.0	62.0	62.85	
	7	62.9	62.9	62.7	62.6	62.4	62.3	62.2	62.0	62.0	62.0	62.2	62.4	63.08
	8	63.0	63.0	62.9	62.8	62.7	62.5	62.3	62.2	62.2	62.2	62.2	62.4	63.27
	9	63.1	63.0	63.0	62.9	62.8	62.6	62.5	62.3	62.2	62.2	62.2	62.4	63.46
	10	62.6	62.5	62.4	62.3	62.3	62.3	62.2	62.1	62.0	62.0	62.0	62.1	62.81
	11	62.3	62.2	62.2	62.1	62.0	61.9	61.8	61.6	61.6	61.6	61.7	61.8	62.43
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	62.0	62.0	61.8	61.7	61.7	61.7	61.7	61.6	61.5	61.4	61.4	61.7	62.40
	14	62.2	62.0	61.9	61.9	61.8	61.5	61.4	61.4	61.3	61.3	61.3	61.5	62.28
	15	62.1	62.0	61.9	61.8	61.8	61.7	61.5	61.6	61.5	61.3	61.3	61.4	62.23
	16	62.3	62.2	62.2	62.2	62.0	62.0	61.8	61.8	61.8	61.8	61.8	61.8	62.45
	17	62.4	62.4	62.3	62.2	62.1	62.1	62.1	62.0	61.9	61.8	61.8	61.8	62.48
	18	62.8	62.8	62.7	62.6	62.5	62.4	62.3	62.3	62.1	62.0	62.0	62.0	62.78
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	62.0	62.0	61.9	61.8	61.8	61.8	61.6	61.5	61.4	61.5	61.6	61.6	62.42
	21	63.6	63.6	63.6	63.6	63.3	63.2	63.2	63.2	63.1	63.0	63.0	63.3	63.58
	22	64.0	63.9	63.7	63.6	63.5	63.3	63.0	63.0	63.0	63.0	63.0	63.2	64.10
	23	62.8	62.8	62.7	62.6	62.5	62.4	62.2	62.0	62.0	62.0	62.2	62.2	62.95
	24	63.0	62.9	62.8	62.6	62.6	62.6	62.5	62.5	62.4	62.3	62.3	62.4	62.98
	25	63.7	63.6	63.6	63.5	63.2	63.0	63.0	62.8	62.7	63.0	63.2	63.2	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	62.8	62.8	62.8	62.8	62.8	62.6	62.5	62.4	62.3	62.4	62.4	62.6	63.58
	28	63.5	63.5	63.4	63.2	63.1	63.0	62.9	62.8	62.8	62.8	62.6	62.7	63.82
	29	63.2	63.0	63.1	62.9	62.8	62.6	62.4	62.4	62.4	62.4	62.4	62.8	63.37
	30	63.2	63.2	63.0	62.8	62.6	62.4	62.3	62.2	62.2	62.1	62.5	62.5	63.36
Hourly Means <sup>c</sup>	62.72	62.66	62.57	62.45	62.36	62.25	62.13	62.05	62.00	61.99	62.16			

<sup>a</sup> An insect found on the magnet.

<sup>c</sup> The observations of the 1st and 25th omitted in the means.

VERTICAL FORCE.														
One Scale Division = .0007 parts of the V. F.														
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	
	Sc. Div.	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	51.2	51.2	51.1	50.9 <sup>a</sup>	—	—	—	—	54.7	54.7	54.2	54.2	
	2	52.2	51.6	52.0	52.6	53.9	54.5	54.4	54.0	54.1	53.9	53.6	53.4	
	3	47.4	47.5	48.2	49.0	48.6	48.2	48.7	48.7	49.4	49.4	47.9	47.9	48.0
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	48.2	48.1	48.0	48.1	48.6	48.6	48.5	48.5	48.8	48.6	48.9	48.9	48.9
	6	47.6	47.6	47.4	47.7	47.9	47.9	47.9	47.9	47.1	47.1	46.8	47.1	47.1
	7	43.9	43.4	43.4	44.3	44.3	45.0	45.1	45.0	44.9	44.6	44.6	48.0	47.7
	8	45.8	46.0	45.6	45.4	45.4	45.6	46.2	46.6	46.6	46.6	46.5	46.2	46.2
	9	47.2	47.8	47.6	48.1	48.1	47.9	47.9	47.8	47.5	47.8	47.9	47.7	47.4
	10	46.2	46.2	46.3	46.7	47.3	47.7	47.7	47.7	47.7	47.7	47.6	49.6	49.7
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	48.3	48.7	48.7	48.8	48.8	49.2	49.3	49.5	49.4	49.4	49.9	49.5	49.2
	13	48.9	49.2	49.5	49.3 <sup>c</sup>	49.5	50.5	50.5	49.7	49.6	49.0	49.0	48.7	49.4
	14	47.8	47.8	47.9	48.3	48.3	48.5	46.8	47.1	48.4	48.3	48.7	48.5	50.0
	15	44.7	45.0	45.3	45.4	45.4	45.3	44.7	44.7	45.2	45.5	44.7	44.7	44.4
	16	44.1	44.2	44.2	44.2	44.2	43.7	44.4	44.6	44.6	43.8	44.3	46.9	45.2
	17	54.5	54.5	54.5	54.3	54.3	54.3	54.3	54.6	54.8	54.8	54.6	54.5	54.0
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	52.1 <sup>c</sup>	50.8	51.7	52.0	50.7	51.2	51.6	51.0	51.0	50.8	50.5	50.7	49.4
	20	54.4	54.1	56.0	54.5	54.2	54.2	54.2	54.9	54.9	54.4	57.3	55.3	54.7
	21	54.5	54.5	55.2	54.7	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8
	22	55.7	55.0	56.0	55.9	56.2	56.1	56.1	55.5	56.1	55.9	55.8	55.6	55.6
	23	55.5	56.3	57.0	56.4	57.6	57.8	58.0	58.1	58.1	57.6	57.6	57.5	57.1
	24	56.9	56.9	56.5	56.5	56.5	56.4	56.3	56.7	56.7	57.0	57.1	57.1	57.1
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	56.5	56.4	56.7	56.7	56.5	56.5	56.5	56.5	56.5	56.1	55.9	55.9	55.9
	27	56.0	56.1	56.2	56.2	56.4	56.4	56.4	56.4	55.9	55.9	55.7	55.7	55.7
	28	59.5	57.2	56.9	57.1	57.1	57.1	57.9	58.1	57.6	57.4	56.4	57.5	57.0
	29	60.2	60.2	60.5	60.8	60.0	58.9	59.0	58.4	58.4	58.7	58.7	59.3	59.6
	30	59.0 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>c</sup>	51.65	51.50	51.78	51.84	51.90	52.00	52.08	52.04	52.05	51.95	51.89	52.07	51.92	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
DECEMBER.	1	62.9	63.3	63.6	64.0	—	—	—	—	64.0	63.8	63.4	63.2	63.0
	2	62.0	62.2	62.8	63.2	63.4	63.5	63.5	63.4	63.4	63.3	62.9	62.7	62.5
	3	62.6	63.0	63.4	63.6	63.8	63.9	63.8	63.7	63.5	63.4	63.2	63.1	63.0
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	63.0	63.3	63.8	64.0	64.4	64.6	64.8	64.7	64.5	64.2	64.1	63.9	63.8
	6	62.8	62.9	63.0	63.2	63.3	63.4	63.5	63.4	63.3	63.2	63.0	63.0	63.0
	7	62.4	62.8	63.2	63.4	63.9	63.8	64.0	63.9	63.8	63.5	63.2	63.0	62.9
	8	62.1	62.4	63.0	63.4	63.7	64.0	63.8	63.6	63.4	63.3	63.1	63.0	62.8
	9	62.1	62.4	63.0	63.4	63.7	64.0	64.3	64.4	64.4	64.3	64.1	64.1	64.0
	10	63.5	64.0	64.7	65.2	66.0	66.4	66.7	66.6	66.2	65.9	65.5	65.0	64.8
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	63.3	63.7	64.0	64.3	64.5	64.5	64.6	64.6	64.5	64.3	64.0	63.9	63.7
	13	63.0	63.3	63.7	64.0	64.4	64.8	64.6	64.5	64.3	64.1	64.0	63.9	63.7
	14	63.0	63.4	64.1	64.1	64.6	65.0	65.1	65.1	65.0	64.8	64.5	64.2	64.0
	15	64.0	64.6	65.2	65.3	65.7	66.2	66.2	66.1	66.0	65.7	65.3	65.1	65.0
	16	64.0	64.1	64.6	65.0	65.2	65.5	65.7	66.3	66.0	65.6	65.5	65.1	65.0
	17	64.1	64.5	65.0	65.0	66.0	66.2	66.0	66.0	66.0	65.6	65.3	65.0	64.6
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	63.8	64.2	64.3	64.7	64.8	65.0	65.0	64.8	64.8	64.6	64.5	64.4	64.2
	20	63.3	63.5	64.0	64.4	64.8	65.1	65.2	65.1	65.0	64.9	64.6	64.5	64.3
	21	63.3	63.5	63.8	64.0	64.0	64.6	65.1	65.1	65.0	64.7	64.5	64.4	64.3
	22	63.9	64.5	65.0	65.3	65.8	66.3	66.4	66.6	66.5	66.2	66.0	66.0	65.6
	23	65.0	65.6	66.5	67.4	67.9	68.3	68.4	68.4	68.2	68.0	67.6	67.3	67.1
	24	66.0	66.4	66.9	67.4	67.8	68.0	68.0	67.9	67.7	67.5	67.3	67.0	66.8
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	65.4	65.6	66.0	66.4	66.4	66.5	66.4	66.4	66.0	65.9	65.9	65.7	65.6
	27	65.0	65.4	65.9	66.0	66.9	67.2	67.1	67.1	66.9	66.7	66.5	66.3	66.2
	28	65.0	65.2	65.6	65.8	66.0	66.3	66.4	66.3	66.1	66.0	65.9	65.6	65.5
	29	65.2	65.9	66.5	66.8	67.1	67.4	67.6	67.5	67.3	67.0	66.4	66.4	66.3
	30	65.0	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>c</sup>	63.67	64.04	64.51	64.83	65.20	65.46	65.52	65.46	65.31	65.11	64.86	64.70	64.53	

<sup>a</sup> Magnet removed for horizontal vibrations.<sup>b</sup> One and a-half minutes late.<sup>c</sup> Time of vibration in the vertical plane observed.

VERTICAL FORCE.													
One Scale Division = .0007 parts of the V. F.													
Mean Göttingen Time.	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily 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.	
DECEMBER.	1	54.6	54.6	54.8	54.3	54.3	54.3	54.3	54.0	53.0	52.5	—	
	2	53.4	53.4	53.4	53.4	53.3	53.3	53.2	53.1	52.8	49.2	47.7	52.91
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	47.4	46.5	46.2	45.7	44.1	46.5	46.2	46.4	46.6	48.5	48.4	47.56
	5	48.8	48.6	48.6	48.6	48.3	48.3	48.2	48.2	48.2	48.0	47.8	48.43
	6	47.1	47.1	46.3	46.3	47.0	47.4	47.4	45.0	43.9	43.9	43.0	46.73
	7	47.5	47.4	47.3	46.8	46.8	46.5	46.4	46.4	46.4	46.0	45.8	45.73
	8	46.2	46.2	46.2	46.2	46.1	46.1	46.1	46.2	46.2	46.6	46.7	46.15
	9	47.3	47.3	47.6	47.6	47.8	47.2	47.2	46.9	47.1	46.1	46.1	47.45
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	48.1	48.1	48.1	47.8	47.8	47.8	47.8	46.1	46.4	45.7 <sup>b</sup>	45.2	47.37
	12	49.5	49.3	49.2	49.2	49.0	49.0	48.9	49.4	49.3	48.8	48.8	49.13
	13	50.5	49.2	48.9	48.2	48.3	47.7	47.7	47.8	47.8	47.9	47.8	48.94
	14	— <sup>d</sup>	—	—	—	—	—	—	—	—	—	44.3	—
	15	44.4	44.4	44.4	44.4	44.2	44.4	44.1	44.1	44.5	44.5	44.5	44.70
	16	— <sup>d</sup>	—	—	—	—	—	—	—	—	54.1	54.5	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	53.9	53.9	53.9	53.7	53.6	53.6	53.6	53.4	52.8	52.9	54.06
	19	49.7	49.7	50.7	51.8	52.2	53.5	54.7	55.3	55.8	55.5	53.8	51.92
	20	54.4	54.4	54.4	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.5	54.55
	21	54.8	54.8	54.8	54.5	54.8	55.2	55.4	55.8	55.8	55.7	55.7	54.92
	22	55.6	55.6	55.6	55.6	55.6	55.6	55.4	55.4	55.4	55.3	55.3	55.66
	23	56.9	56.8	56.8	56.8	56.6	56.6	56.4	56.4	56.4	56.9	56.9	57.00
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	56.1	55.8	55.9	55.9	55.9	54.5	55.8	55.8	56.5	56.0	56.9	56.37
	26	55.9	55.9	55.9	55.9	56.7	55.5	55.5	55.4	55.4	55.4	56.0	56.09
	27	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.0	55.9	55.9	59.1	56.10
	28	56.9	57.4	57.0	56.8	56.7	56.9	57.8	55.7	59.1	59.4	59.8	57.51
	29	59.6	60.5	60.5	60.7	60.1	59.8	60.9	59.8	59.5	59.5	59.0	59.69
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	51.70	51.73	51.70	51.63	51.58	51.61	51.76	51.50	51.66	51.44	51.44	—	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
DECEMBER.	1	62.8	62.7	62.6	62.6	62.3	62.1	62.0	62.0	61.7	61.6	61.6	
	2	62.5	62.4	62.3	62.1	62.1	62.2	62.2	62.0	61.9	62.1	62.4	62.63
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	62.7	62.6	62.5	62.4	62.2	62.1	62.0	62.0	62.0	62.4	62.5	62.89
	5	63.5	63.3	63.2	63.2	63.1	63.0	62.9	62.9	62.7	62.5	62.6	63.58
	6	62.9	62.8	62.7	62.6	62.4	62.3	62.2	62.2	62.0	62.0	62.3	62.81
	7	62.8	62.8	62.7	62.6	62.5	62.3	62.2	62.1	62.0	62.0	62.0	62.91
	8	62.6	62.6	62.6	62.5	62.2	62.1	62.0	62.0	61.8	61.9	62.0	62.75
	9	63.8	63.8	63.7	63.6	63.4	63.4	63.4	63.1	62.9	62.9	63.3	63.56
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	63.4	63.3	63.2	63.1	63.0	62.9	62.8	62.7	62.5	62.8 <sup>b</sup>	63.0	64.30
	12	63.5	63.3	63.3	63.2	63.1	63.0	62.9	62.8	62.7	62.5	62.6	63.62
	13	63.5	63.4	63.0	63.0	63.0	62.6	62.6	62.4	62.3	62.4	62.7	63.47
	14	—	—	—	—	—	—	—	—	—	63.2	63.5	—
	15	64.7	64.4	64.3	64.0	64.0	63.8	63.6	63.6	63.5	63.6	63.6	64.73
	16	—	—	—	—	—	—	—	—	—	63.6	63.9	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	64.3	64.1	64.1	64.0	63.8	63.6	63.5	63.4	63.5	63.6	64.67
	19	64.0	63.9	63.8	63.8	63.6	63.6	63.5	63.5	63.4	63.2	63.2	64.11
	20	64.1	64.1	64.0	63.8	63.6	63.4	63.4	63.2	63.0	63.0	63.1	64.06
	21	64.2	64.0	64.1	64.1	64.0	63.8	63.7	63.7	63.5	63.3	63.6	64.10
	22	65.3	65.1	65.0	64.8	64.6	64.6	64.5	64.4	64.5	64.4	64.6	65.25
	23	66.8	66.8	66.3	66.2	65.8	65.5	65.4	65.3	65.3	65.4	65.7	66.68
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	65.2	65.2	65.2	65.2	65.2	65.1	65.0	65.0	65.0	64.8	65.0	66.28
	26	65.4	65.2	65.0	65.0	65.0	65.0	64.7	64.7	64.6	64.8	65.0	65.53
	27	66.1	65.9	65.8	65.6	65.5	65.4	65.1	65.0	65.0	64.9	65.0	65.94
	28	65.3	65.2	65.1	64.9	64.8	64.7	64.6	64.6	64.5	64.7	64.9	65.38
	29	66.0	65.7	66.3	65.7	65.5	65.4	65.3	65.1	64.9	64.9	64.9	66.13
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means <sup>e</sup>	64.20	64.10	64.00	63.89	63.76	63.64	63.53	63.45	63.34	63.36	63.53	—	

<sup>d</sup> Insects found on the magnet.

<sup>e</sup> Observations of the 1st, 14th, 16th, and 30th, omitted in the means.

January 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'·711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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		20·2	20·3	19·9	21·0	20·2	20·0	19·9	20·0	20·0	19·9	17·8
6	0		20·4	20·2	20·1	20·9	20·1	20·0	20·0	19·9	20·0	19·8	17·8
12	0		20·4	20·2	20·2	20·9	20·2	20·1	19·9	19·9	20·0	19·2	18·0
18	0		20·4	20·4	20·4	20·9	20·1	20·1	19·9	19·9	20·0	19·0	18·3
24	0		20·8	20·0	20·6	20·9	20·1	20·1	19·9	19·9	20·0	18·8	18·6
30	0		20·7	20·0	20·8	20·9	20·1	20·1	19·9	19·8	20·0	18·4	18·8
36	0		20·9	20·0	20·9	20·9	20·1	20·1	19·9	19·8	20·0	18·2	19·0
42	0		20·8	20·0	21·0	—	20·0	20·1	19·9	19·8	20·0	18·1	19·1
48	0		20·6	19·9	21·0	20·4	20·0	20·1	19·9	19·7	20·0	18·0	19·4
54	0		20·4	19·9	21·0	20·2	20·0	20·0	19·9	19·5	20·0	17·8	19·6
M. S.			One Scale Division = ·00019 parts of the H. F.					HORIZONTAL FORCE.					
			51·8	51·0	52·4	55·3	54·8	54·8	54·5	55·1	55·1	55·1	55·4
2	0		51·8	51·0	52·4	55·3	54·8	54·8	54·5	55·1	55·1	55·4	57·1
8	0		51·6	51·0	53·1	55·1	54·9	54·9	54·6	55·0	55·1	55·4	57·0
14	0		51·6	51·0	54·0	55·0	55·0	54·9	54·5	54·9	55·1	55·9	57·0
20	0		51·6	51·0	54·9	54·9	54·9	54·9	54·5	54·9	55·1	56·0	57·2
26	0		51·3	51·1	55·2	54·9	54·9	54·9	54·8	54·9	55·0	56·1	57·1
32	0		51·1	51·2	55·8	54·9	55·0	54·9	54·9	54·9	55·0	56·4	57·1
38	0		51·1	51·5	56·0	54·9	55·0	54·8	55·1	54·9	55·0	56·9	57·1
44	0		51·1	51·6	56·1	54·9	54·9	54·8	55·2	54·9	55·2	56·9	57·2
50	0		51·1	52·0	55·9	54·5	54·9	54·5	55·2	54·9	55·1	57·0	57·3
56	0		51·0	52·1	55·7	54·4	54·9	54·4	55·2	55·0	55·1	57·1	57·8
Thermometer			67·5	67·5	67·4	67·7	67·2	67·0	67·0	66·9	66·9	66·9	67·0
M. S.			One Scale Division = ·0005 parts of the V. F.					VERTICAL FORCE.					
			6·4	6·2	7·3	6·2	5·5	5·4	5·4	7·9	8·7	8·4	—
4	0		6·4	6·2	7·3	6·2	5·5	5·4	5·4	7·9	8·7	8·4	—
10	0		6·5	6·6	7·2	—	5·5	5·4	5·2	7·1	8·4	8·4	—
16	0		6·5	6·5	7·3	5·9	5·8	5·4	5·3	7·9	8·8	7·4	—
22	0		6·4	6·5	6·6	5·7	5·8	5·4	5·6	7·4	8·6	7·2	—
28	0		6·1	6·7	6·2	5·8	5·4	5·4	5·5	7·3	8·6	7·7	—
34	0		6·1	7·5	6·4	5·6	5·4	5·4	5·4	7·2	8·8	8·0	—
40	0		6·4	7·6	6·7	5·6	5·4	5·4	5·5	7·2	9·0	vibrating <sup>a</sup>	—
46	0		6·4	7·0	vibrating	5·4	5·4	5·4	6·0	7·6	9·0	—	—
52	0		6·4	6·9	6·3	5·7	5·4	—	6·2	8·6	8·6	—	—
58	0		6·2	6·8	6·2	5·6	5·4	5·4	6·5	8·9	8·4	—	—
Thermometer			67·0	67·0	67·0	66·9	66·8	66·6	66·6	66·5	66·6	66·4	66·4
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
19	10	0	28·215	63·2	62·6	S. 46 E.	1600	1·0	Rain.				
	11	0	28·232	63·2	62·6	S. 36 E.	1600	1·0	Rain; overcast.				
	12	0	28·228	63·2	62·5	S. 38 E.	1600	1·0	Rain; overcast.				
	13	0	28·209	62·6	62·2	S. 54 E.	1600	1·0	Rain.				
	14	0	28·190	62·6	62·0	S. 42 E.	—	1·0	Overcast.				
	15	0	28·174	62·6	62·2	S. 49 E.	—	1·0	Drizzling rain.				
	16	0	28·162	62·2	61·7	S. 27 E.	1600	1·0	Drizzling rain.				
	17	0	28·163	61·4	60·9	S. 18 E.	—	1·0	Overcast.				
	18	0	28·172	60·6	60·0	S. 23 E.	2700 +	1·0	Overcast.				
	19	0	28·191	62·3	61·8	S. 30 E.	2500	1·0	Overcast.				
	20	0	28·212	62·8	62·1	S. 39 E.	1600	1·0	Overcast.				
	21	0	28·215	63·2	62·3	S. 24 E.	2000	1·0	Overcast.				
<sup>a</sup> The readings between 19 <sup>h</sup> 40 <sup>m</sup> increased considerably and were irregular; at 23 <sup>h</sup> 46 <sup>m</sup> it was perceived that an insect had got upon the needle; the insect was removed, and the observations recommenced at 1 <sup>h</sup> 34 <sup>m</sup> .													

MAGNETICAL OBSERVATIONS.													January 19th and 20th.	
DECLINATION.													Angular Value of one Scale Division = 0' 711.	
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	Sc. Div.	Sc. Div.
20.0	20.8	20.1	19.9	19.9	20.8	20.7	20.1	21.1	21.2	21.0	21.6	21.9	20.0	20.8
20.1	20.7	20.1	20.0	20.0	20.9	20.6	20.1	21.1	21.1	21.0	21.6	21.9	20.1	20.7
20.1	20.3	20.1	19.9	20.0	21.0	20.4	20.1	21.5	21.0	21.0	21.6	21.9	20.1	20.3
20.2	20.3	20.1	19.9	20.0	21.0	20.4	20.2	21.6	20.9	21.1	21.7	21.9	20.2	20.3
20.2	20.0	20.0	19.9	20.0	21.0	20.4	20.2	21.6	21.0	21.1	21.6	21.9	20.2	20.0
20.4	20.1	20.0	20.0	20.1	21.0	20.4	20.2	21.5	20.9	21.1	21.8	21.9	20.4	20.1
20.6	20.2	20.0	20.0	20.1	21.0	20.2	20.4	21.5	21.0	21.1	21.8	21.9	20.6	20.2
20.5	20.2	20.0	20.0	20.1	21.0	20.1	20.7	21.4	21.0	21.1	21.8	21.9	20.5	20.2
20.4	20.1	19.9	19.9	20.1	20.9	20.1	21.0	21.4	21.0	21.2	21.9	21.9	20.4	20.1
20.7	20.1	19.9	19.9	20.3	20.9	20.1	21.0	21.4	21.0	21.4	21.9	22.0	20.7	20.1
HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah°. = .00028.	
57.9	59.5	60.9	62.1	62.1	61.9	60.9	59.7	58.8	58.1	57.2	56.6	55.8	57.9	59.5
58.0	59.9	61.0	62.3	62.2	62.0	60.9	59.2	58.9	58.1	57.1	56.1	55.8	58.0	59.9
58.0	60.0	61.0	62.2	62.3	62.0	60.6	59.1	58.7	58.0	57.1	56.0	55.1	58.0	60.0
58.1	60.0	61.0	62.4	62.1	62.0	60.2	59.1	58.6	57.9	57.1	56.0	55.1	58.1	60.0
58.2	60.0	61.2	62.3	62.1	62.0	60.0	59.0	58.4	57.7	57.0	56.0	55.1	58.2	60.0
58.4	60.6	61.6	62.5	62.1	61.9	60.0	59.0	58.5	57.7	57.0	56.0	55.1	58.4	60.6
58.9	60.7	61.9	62.6	62.1	61.9	60.0	59.0	58.4	57.5	57.0	55.8	55.0	58.9	60.7
58.9	60.9	62.0	62.6	62.0	61.7	59.9	59.0	58.3	57.5	56.9	55.6	55.0	58.9	60.9
59.2	60.8	62.0	62.1	62.0	61.1	59.7	59.0	58.2	57.3	56.8	55.5	55.0	59.2	60.8
59.6	60.8	62.1	62.1	61.9	61.0	59.4	59.0	58.2	57.2	56.7	55.5	55.0	59.6	60.8
67.0	66.8	66.8	66.9	67.0	67.0	67.6	67.4	67.2	67.3	67.0	67.2	67.0	67.0	66.8
VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah°. = .	
—	—	—	—	vibrating	10.5	9.8	10.4	9.3	9.0	9.2	11.2	12.8	—	—
—	—	—	—	vibrating	vibrating	9.7	9.9	9.0	9.0	9.3	10.6	12.5	—	—
—	—	—	—	vibrating	10.3	9.7	9.9	9.1	8.9	9.3	11.2	11.9	—	—
—	—	—	—	vibrating	10.2	9.7	9.9	8.8	8.8	9.3	11.5	12.3	—	—
—	—	—	—	vibrating	9.7	9.7	8.8	9.1	9.3	9.3	10.7	12.1	—	—
—	—	—	—	10.4	9.7	9.7	8.9	9.1	9.3	9.6	10.6	12.0	—	—
—	—	—	—	10.4	10.0	9.7	8.9	9.2	9.2	9.9	10.6	11.6	—	—
—	—	—	—	10.0	10.0	9.7	9.0	9.0	9.0	10.0	11.0	11.6	—	—
—	—	—	—	10.1	9.8	9.7	9.2	8.9	9.1	vibrating	vibrating	11.6	—	—
—	—	—	—	10.1	9.8	9.7	8.6	9.0	9.2	12.2	11.8	11.6	—	—
66.5	66.2	66.4	66.5	67.0	67.0	67.0	66.9	66.9	67.0	66.7	66.9	66.9	66.5	66.2
Declination and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Direction.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.									
D.	H.	M.	In.	°	°	°	Feet.							
19	22	0	28.219	63.8	62.8	S. 30 E.	1600	1.0	Overcast.					
	23	0	28.214	64.3	63.8	S. 28 E.	1600	1.0	Overcast.					
20	0	0	28.213	64.8	64.0	S. 35 E.	1800	1.0	Overcast.					
	1	0	28.212	64.5	63.8	S. 34 E.	1600	1.0	Rain.					
	2	0	28.205	64.4	63.6	S. 40 E.	1900	1.0	Overcast.					
	3	0	28.183	64.0	63.2	S. 42 E.	1600	1.0	Overcast; thick, wet mist.					
	4	0	28.183	63.4	62.6	S. 44 E.	2500	1.0	Overcast.					
	5	0	28.177	63.8	62.6	S. 38 E.	2200	1.0	Overcast.					
	6	0	28.180	64.1	62.9	S. 34 E.	2000	1.0	Overcast.					
	7	0	28.182	63.3	62.1	S. 40 E.	2000	1.0	Overcast.					
	8	0	28.189	63.0	61.9	S. 34 E.	2000	1.0	Overcast.					
	9	0	28.196	62.4	61.4	S. 36 E.	1900	1.0	Overcast.					



February 25th and 26th.			MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.						
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	
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		23.4	21.7	21.9	21.1	20.1	19.2	19.1	18.8	18.8	18.1	16.0	
6	0		22.8	21.6	21.5	21.1	20.0	19.1	19.1	18.9	19.0	18.0	15.8	
12	0		22.1	21.2	21.2	21.0	20.0	19.1	19.1	18.9	18.8	18.0	15.6	
18	0		21.7	21.1	21.2	21.0	20.0	19.3	19.0	18.9	18.7	17.9	15.3	
24	0		21.6	21.0	21.2	20.9	20.0	19.8	19.1	18.8	18.7	17.8	15.1	
30	0		21.6	21.0	21.2	20.9	19.6	19.3	19.0	18.8	18.7	17.3	15.2	
36	0		21.1	21.2	21.2	20.7	19.5	19.2	18.9	18.8	18.8	17.0	15.0	
42	0		21.2	21.4	21.2	20.5	19.5	19.1	18.9	18.8	18.7	17.0	14.8	
48	0		21.6	21.6	21.0	20.2	19.5	19.1	18.8	18.7	18.6	16.6	14.5	
54	0		21.7	21.6	21.0	20.1	19.2	19.1	18.8	18.7	18.8	16.5	14.1	
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.						
M.	S.													
2	0		50.6	51.5	52.0	52.1	52.1	53.9	52.0	52.0	52.3	53.0	53.8	
8	0		50.6	51.6	52.1	52.1	52.5	53.3	52.1	52.0	52.1	53.1	54.3	
14	0		50.6	51.4	52.1	52.5	52.9	53.3	52.0	52.0	52.2	53.1	54.0	
20	0		50.6	51.5	51.9	52.5	52.5	53.7	52.0	52.0	52.5	53.0	54.2	
26	0		50.7	51.6	51.7	52.9	53.0	53.7	52.0	52.0	52.5	53.0	54.4	
32	0		50.8	51.6	52.0	52.9	53.0	53.0	52.0	52.0	52.6	53.0	54.8	
38	0		51.1	51.6	52.1	52.9	53.0	53.0	52.0	51.9	52.6	52.9	55.1	
44	0		51.4	51.6	52.1	52.9	53.9	52.8	52.0	52.0	52.8	52.8	55.7	
50	0		51.4	52.0	51.5	52.9	53.0	52.3	52.0	52.1	52.8	52.9	56.4	
56	0		51.5	52.0	51.5	52.9	53.3	52.0	52.0	52.3	52.9	53.1	57.0	
Thermometer			71.0	70.9	70.7	70.2	70.0	69.9	69.9	69.9	70.0	69.9	69.9	
			One Scale Division = .0005 parts of the V. F.					VERTICAL FORCE.						
M.	S.													
4	0		7.3	6.5	6.9	6.4	6.1	6.2	5.1	4.8	6.5	6.3	7.9	
10	0		6.4	6.5	6.7	6.3	5.7	6.2	6.2	5.5	5.4	6.5	6.8	
16	0		6.4	6.2	6.7	6.3	5.7	6.2	6.2	5.2	6.3	6.2	7.1	
22	0		6.5	6.2	6.7	6.3	5.7	6.2	6.2	4.6	6.1	6.9	6.8	
28	0		6.8	vibrating	6.7	6.3	5.7	6.2	6.2	5.1	5.0	9.6	6.8	
34	0		6.4	vibrating	6.3	6.1	5.6	6.3	6.2	5.2	7.0	8.8	vibrating	
40	0		6.3	6.6	6.3	6.1	5.6	6.2	6.2	5.1	5.0	9.2	vibrating	
46	0		6.5	6.5	6.3	6.1	5.6	6.2	1.0	4.6	5.7	10.1	7.7	
52	0		6.6	6.2	6.3	6.1	5.6	6.2	vibrating	4.6	5.7	9.5	7.7	
58	0		6.3	6.6	6.4	5.8	5.6	6.2	4.8	5.0	5.9	9.1	7.3	
Thermometer			70.2	0.2	70.2	69.7	69.5	69.4	69.3	69.4	69.3	69.6	69.7	
Increasing Numbers denote decreasing wester														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Direction.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.									
D.	H.	M.	In.	°	°	°	Feet.							
25	10	0	28.255	65.5	63.7	S. 46 E.	2700+	0.9	Fair; a few stars; cumuli.					
	11	0	28.263	65.1	63.0	—	2600	0.9	Moon and stars visible.					
	12	0	28.260	64.8	62.8	—	2600	0.9	Fair, clear; cumulo-strati.					
	13	0	28.242	64.8	63.0	—	2700	1.0	Overcast.					
	14	0	28.239	64.6	62.8	—	1900	0.9	Fair; moonlight.					
	15	0	28.226	64.4	62.8	—	2600	0.9	Fair; moon and stars.					
	16	0	28.231	64.4	63.0	S. 40 E.	1900	1.0	Overcast; fair.					
	17	0	28.214	64.6	63.1	—	2200	1.0	Overcast.					
	18	0	28.216	64.6	63.2	—	2000	0.9	Moon and stars visible.					
	19	0	28.240	64.2	62.8	—	1700	1.0	Overcast.					
	20	0	28.244	64.3	62.3	—	2600	0.8	Fair; cumulo-strati.					
	21	0	28.244	65.2	63.5	—	2000	0.8	Fair.					

MAGNETICAL OBSERVATIONS.													February 25th and 26th.		
DECLINATION.												Angular Value of one Scale Division = 0'·711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	Sc. Div.	Sc. Div.	Sc. Div.
13·9	13·1	14·3	20·2	24·1	25·4	24·2	21·8	19·9	19·8	20·4	20·9	20·9	Sc. Div.	Sc. Div.	Sc. Div.
13·7	13·0	15·0	20·9	24·9	25·5	24·1	21·2	19·7	19·8	20·8	20·9	20·9	Sc. Div.	Sc. Div.	Sc. Div.
13·8	13·0	15·2	21·0	25·1	25·6	23·8	21·0	19·8	19·7	20·9	20·9	21·0	Sc. Div.	Sc. Div.	Sc. Div.
13·4	13·0	15·9	21·5	25·2	25·6	23·6	20·7	19·8	19·7	20·9	20·8	21·0	Sc. Div.	Sc. Div.	Sc. Div.
13·4	13·0	16·6	22·0	25·5	25·6	23·2	20·5	19·9	19·8	21·0	20·8	21·0	Sc. Div.	Sc. Div.	Sc. Div.
13·3	13·2	17·2	22·1	25·6	25·3	23·1	20·4	19·8	19·8	21·0	20·8	21·0	Sc. Div.	Sc. Div.	Sc. Div.
13·2	13·3	17·9	22·9	25·6	25·1	23·0	20·2	19·9	20·0	21·0	21·0	21·0	Sc. Div.	Sc. Div.	Sc. Div.
13·1	13·5	18·5	23·0	25·7	24·9	22·9	20·1	19·9	20·0	21·0	21·0	21·0	Sc. Div.	Sc. Div.	Sc. Div.
12·9	14·0	19·0	23·5	25·7	24·8	22·3	20·1	19·9	20·1	21·0	21·0	20·9	Sc. Div.	Sc. Div.	Sc. Div.
12·9	14·0	19·8	24·0	25·7	24·6	22·0	20·1	19·9	20·2	20·9	21·0	20·9	Sc. Div.	Sc. Div.	Sc. Div.
HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = ·00028.		
57·4	59·0	60·9	61·0	60·0	57·9	55·8	53·2	51·7	50·6	51·0	51·0	51·8	Sc. Div.	Sc. Div.	Sc. Div.
57·7	59·0	60·9	61·0	60·0	57·6	55·4	53·1	51·2	50·6	51·0	51·1	51·7	Sc. Div.	Sc. Div.	Sc. Div.
57·9	58·8	61·0	61·0	59·1	57·4	55·0	53·0	51·0	50·8	51·0	51·6	51·0	Sc. Div.	Sc. Div.	Sc. Div.
58·1	59·0	61·2	61·0	59·0	57·2	55·0	53·0	51·0	51·0	51·0	51·8	50·9	Sc. Div.	Sc. Div.	Sc. Div.
58·1	59·0	61·3	60·9	59·0	57·0	54·8	52·8	51·1	51·0	51·1	51·9	50·9	Sc. Div.	Sc. Div.	Sc. Div.
57·9	59·1	61·1	60·5	58·9	56·9	54·7	52·6	51·0	51·0	51·1	51·9	51·0	Sc. Div.	Sc. Div.	Sc. Div.
58·1	59·7	61·1	60·6	58·5	56·7	54·1	52·5	51·0	51·0	51·0	51·9	51·0	Sc. Div.	Sc. Div.	Sc. Div.
58·1	60·0	61·1	60·5	58·2	56·4	54·0	52·1	51·0	51·0	51·0	51·8	51·0	Sc. Div.	Sc. Div.	Sc. Div.
58·5	60·1	61·1	60·1	58·0	56·1	53·9	52·0	50·8	51·0	51·0	51·8	50·5	Sc. Div.	Sc. Div.	Sc. Div.
58·6	60·5	61·1	60·0	57·9	56·0	53·6	51·9	50·6	50·6	51·0	51·8	50·5	Sc. Div.	Sc. Div.	Sc. Div.
69·8	69·6	69·6	69·8	70·0	70·8	71·2	71·4	71·6	71·7	71·0	71·0	71·0	Sc. Div.	Sc. Div.	Sc. Div.
VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = ·		
7·3	6·3	5·5	4·4	3·9	3·8	4·3	5·8	6·2	7·3	7·3	7·8	6·7	Sc. Div.	Sc. Div.	Sc. Div.
6·8	6·3	5·1	4·2	3·3	4·0	4·5	5·8	6·4	7·0	7·3	7·4	6·7	Sc. Div.	Sc. Div.	Sc. Div.
6·7	6·3	5·1	4·2	2·9	4·0	4·6	5·8	6·7	7·0	7·3	7·4	6·7	Sc. Div.	Sc. Div.	Sc. Div.
6·7	6·3	5·1	4·1	3·7	3·7	4·5	6·1	7·3	7·0	7·3	7·4	6·6	Sc. Div.	Sc. Div.	Sc. Div.
6·7	6·3	5·1	4·1	3·4	4·1	4·6	6·1	7·3	7·2	7·3	7·4	6·6	Sc. Div.	Sc. Div.	Sc. Div.
6·7	5·5	4·8	4·1	3·4	4·1	4·8	6·1	7·0	7·2	7·3	6·8	6·6	Sc. Div.	Sc. Div.	Sc. Div.
6·7	5·5	4·8	3·8	3·5	4·2	5·2	6·2	7·1	7·2	7·3	6·8	6·6	Sc. Div.	Sc. Div.	Sc. Div.
6·8	5·5	4·8	3·8	3·5	4·1	5·3	6·2	7·1	7·2	7·3	6·8	6·3	Sc. Div.	Sc. Div.	Sc. Div.
6·4	5·5	4·4	3·5	3·5	4·1	5·3	6·2	7·5	7·2	7·3	6·8	6·3	Sc. Div.	Sc. Div.	Sc. Div.
6·4	5·5	4·4	4·1	3·7	4·3	5·4	6·2	7·3	7·3	7·5	6·7	6·3	Sc. Div.	Sc. Div.	Sc. Div.
69·1	69·0	69·0	69·3	69·6	70·0	70·5	70·7	71·0	70·8	70·7	70·5	70·1	Sc. Div.	Sc. Div.	Sc. Div.
Declination and increasing Horizontal and Vertical Force.															
METEOROLOGICAL OBSERVATIONS.															
Mean Göttingen Time.			Barometer at 32°.	Thermometer.		Wind. Direction.	Height of Clouds.	Extent of Cloudy Sky.	Weather.						
				Dry.	Wet.										
D.	H.	M.	In.	°	°	°	Feet.								
25	22	0	28·256	66·0	63·6	S. 32 E.	2600	0·9	Nearly overcast.						
	23	0	28·258	67·4	64·6	—	2600	0·9	Nearly overcast.						
26	0	0	28·254	68·1	64·3	—	2700+	0·9	Fair, sun; cumulo-strati.						
	1	0	28·248	70·2	65·1	—	2700+	0·9	Fair, sun; cumuli.						
	2	0	28·224	69·5	64·5	—	2700+	0·9	Fair.						
	3	0	28·203	69·2	65·0	—	2700+	0·9	Fair.						
	4	0	28·185	69·8	65·6	S. 40 E.	2600	0·8	Sun; cumuli.						
	5	0	28·180	68·4	64·8	—	2700+	0·8	Fair, sun; cumuli.						
	6	0	28·170	67·6	64·4	—	2700+	0·6	Fair.						
	7	0	28·179	66·4	63·6	—	2700+	0·8	Fair, sun.						
	8	0	28·200	65·4	62·8	—	2700+	0·7	Fair; stars visible.						
	9	0	28·212	65·1	62·8	—	2700	0·9	Fair; cumuli.						

March 23rd and 24th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time			Angular Value of one Scale Division = 0'.711.						DECLINATION.			
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0		21.3	20.9	20.2	18.7	19.1	18.7	17.9	18.1	18.7	18.5
6	0		21.4	20.9	20.2	18.0	19.1	18.5	17.7	18.1	18.7	18.0
12	0		21.5	21.0	20.0	18.1	19.1	18.2	17.8	18.1	18.7	18.0
18	0		21.5	21.0	20.0	18.2	19.1	18.1	17.8	18.1	18.7	18.0
24	0		21.2	20.8	19.8	18.1	19.0	18.1	17.8	18.3	18.8	17.5
30	0		21.1	20.4	19.5	18.1	19.0	18.0	17.8	18.1	19.0	18.0
36	0		21.1	20.4	19.7	18.2	19.1	18.0	17.9	18.1	19.0	17.8
42	0		21.1	20.2	20.0	18.2	19.0	17.9	17.9	18.2	18.8	17.5
48	0		21.0	20.4	20.0	19.0	19.0	17.9	17.9	18.0	18.3	18.5
54	0		21.0	20.3	19.8	19.1	18.9	17.9	18.1	18.5	18.6	17.2
One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.												
M.	S.											
2	0		48.3	51.2	51.1	51.8	52.0	52.0	51.9	53.8	55.0	55.9
8	0		48.8	51.6	51.1	51.2	52.0	52.1	52.0	53.9	54.8	56.0
14	0		49.8	52.2	52.2	51.2	52.0	52.0	52.1	54.1	55.1	56.1
20	0		49.8	52.6	53.5	51.9	52.0	52.0	52.1	54.0	55.1	56.2
26	0		49.9	52.4	53.7	51.9	52.0	52.0	52.1	54.8	55.2	56.2
32	0		50.1	51.8	52.5	52.0	52.1	52.0	52.1	54.8	55.2	55.9
38	0		51.8	51.2	52.0	52.1	52.1	52.0	52.1	54.1	55.4	56.0
44	0		52.1	50.9	51.5	52.2	52.1	52.0	52.9	54.3	55.7	55.8
50	0		52.0	51.1	53.0	52.1	52.0	52.0	53.0	54.8	55.8	55.8
56	0		51.4	51.4	52.8	52.1	52.0	52.0	53.1	54.8	55.8	55.8
Thermometer			70.3	70.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.9
One Scale Division = .0006 parts of the V. F. VERTICAL FORCE.												
M.	S.											
4	0		6.8	9.1	9.9	8.1	8.1	7.9	7.5	7.3	7.2	7.2
10	0		7.3	9.1	vibrating	8.1	8.1	7.9	7.5	7.3	7.2	7.2
16	0		7.3	9.1	8.2	8.1	8.1	7.8	7.6	7.3	7.2	7.2
22	0		9.1	9.8	8.2	8.1	8.1	7.8	7.6	7.3	7.2	7.2
28	0		9.0	10.0	8.2	8.1	8.2	7.8	7.6	7.3	7.2	7.2
34	0		9.0	10.0	8.2	8.1	8.1	7.8	7.6	7.2	7.2	7.0
40	0		9.1	10.0	8.2	8.1	8.0	7.7	7.5	7.2	7.2	7.0
46	0		9.0	10.0	8.2	8.1	7.9	7.7	7.3	7.2	7.2	7.0
52	0		9.2	10.1	8.1	8.1	7.9	7.5	7.3	7.2	7.2	7.0
58	0		8.8	10.1	8.1	7.9	7.9	7.5	7.3	7.2	7.2	7.0
Thermometer			70.0	70.0	70.0	70.0	69.8	69.8	69.8	69.9	69.8	69.8
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
23	10	0	28.218	66.2	65.4	S. 38 E.	1700	1.0	Overcast.			
	11	0	28.226	66.6	65.9	S. 48 E.	1600	1.0	Overcast; misty.			
	12	0	28.237	66.5	65.9	S. 38 E.	1700	1.0	Overcast.			
	13	0	28.220	66.1	65.6	S. 34 E.	1700	1.0	Overcast.			
	14	0	28.220	65.4	64.9	S. 47 E.	1600	1.0	Overcast; misty.			
	15	0	28.204	64.4	63.9	S. 52 E.	1600	1.0	Overcast; rain.			
	16	0	28.194	65.3	64.8	S. 34 E.	1600	1.0	Overcast; rain.			
	17	0	28.188	64.5	64.0	S. 30 E.	—	1.0	Overcast; dark.			
	18	0	28.184	65.3	64.8	S. 30 E.	—	1.0	Overcast; rain.			
	19	0	28.202	65.1	64.7	S. 27 E.	—	1.0	Mist; rain.			
	20	0	28.226	65.1	64.5	S. 45 E.	1600	1.0	Wet mist.			
	21	0	28.242	65.6	65.2	S. 47 E.	1600	1.0	Wet mist.			

MAGNETICAL OBSERVATIONS.												March 23rd and 24th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.							
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
16.0	16.8	19.4	21.5	22.1	21.0	18.2	17.0	17.8	18.3	20.0	21.3	22.3	
16.0	16.9	19.3	21.6	22.1	20.9	18.1	16.9	17.8	18.9	20.1	21.3	22.1	
16.0	17.1	19.1	21.9	22.0	20.7	17.9	17.0	17.8	18.9	20.3	21.3	22.1	
15.9	17.5	19.1	22.0	22.0	20.4	17.8	17.0	17.7	18.9	20.3	21.3	22.0	
15.9	18.0	19.5	22.0	22.0	20.1	17.5	17.2	17.9	19.0	20.6	21.4	21.9	
16.0	18.0	20.0	22.1	21.9	19.7	17.4	17.4	18.0	19.0	20.7	21.8	21.8	
16.1	18.0	20.0	22.0	21.4	19.9	17.4	17.7	18.0	19.5	20.8	22.0	21.8	
16.2	18.2	20.3	22.0	21.4	19.1	17.1	17.8	18.2	19.8	20.9	22.1	21.8	
16.2	18.9	20.6	22.0	21.1	19.0	17.0	17.9	18.1	19.5	21.0	22.3	21.8	
16.4	19.1	20.9	22.1	21.1	18.8	17.0	17.7	18.2	19.9	21.1	22.8	21.6	
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. = .00028.							
57.2	58.2	57.0	59.0	60.0	61.0	61.0	59.2	56.0	55.0	52.9	50.1	55.2	
57.8	57.5	56.8	59.0	60.0	60.9	60.8	58.5	55.5	54.9	52.2	49.8	55.1	
58.0	57.5	56.8	59.6	60.1	61.0	60.3	58.0	55.0	54.9	52.1	49.1	55.1	
58.0	57.2	56.9	59.9	60.1	61.0	60.3	58.0	54.3	54.0	52.1	49.0	55.0	
57.8	57.2	57.0	60.0	60.1	61.0	60.0	57.8	54.2	53.9	52.9	49.0	54.9	
57.6	56.7	57.2	60.0	60.5	61.1	60.0	57.7	54.4	53.2	52.8	50.8	54.0	
58.0	56.8	57.5	60.0	60.5	61.0	59.9	57.2	54.7	53.2	52.1	52.1	53.4	
58.2	56.8	57.8	59.9	60.6	61.0	59.7	56.9	54.7	53.2	51.9	53.3	53.4	
58.7	56.9	58.2	59.9	60.8	61.0	59.2	56.8	54.8	53.0	51.1	54.1	53.8	
59.0	56.8	58.6	60.0	61.0	60.9	59.0	56.2	55.0	52.9	50.8	55.0	53.4	
69.8	69.6	69.5	69.4	69.9	70.0	70.1	70.2	70.3	70.1	70.0	70.0	70.2	
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. =							
7.5	7.0	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.7	7.8	7.7	7.5	
7.6	7.0	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.7	7.8	7.5	7.5	
7.7	7.0	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.7	7.5	7.5	7.3	
7.7	7.0	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.7	7.5	7.5	7.3	
7.5	7.0	7.0	7.2	7.1	7.0	7.0	6.9	6.8	7.7	7.5	7.5	7.3	
7.3	7.0	7.0	7.1	7.1	7.0	7.0	6.9	6.9	7.7	7.5	7.5	7.3	
7.3	7.0	7.0	7.1	7.1	7.0	7.0	6.9	7.1	7.7	7.5	7.5	7.3	
7.3	7.0	7.0	7.1	7.1	7.0	7.0	6.9	7.1	7.5	7.5	7.5	7.3	
7.2	7.0	7.0	7.1	7.1	7.0	7.0	6.9	7.1	7.5	7.5	7.5	7.3	
69.4	69.0	69.0	69.3	69.5	69.6	69.6	69.6	69.7	69.6	70.0	70.0	70.0	
Declination, and increasing Horizontal and Vertical Force.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
D.	H.	M.		Dry.	Wet.	Direction.							
23	22	0	In.	°	°	°	Feet.						
			28.254	65.8	65.4	S. 35 E.	1600	1.0	Rain.				
			28.259	66.2	65.8	S. 47 E.	1600	1.0	Rain.				
24	0	0	28.260	67.6	67.1	S. 45 E.	1900	1.0	Overcast.				
	1	0	28.244	66.9	66.4	S. 41 E.	1900	1.0	Overcast.				
	2	0	28.220	67.1	66.5	S. 50 E.	1600	1.0	Overcast; rain.				
	3	0	28.197	66.7	66.1	S. 47 E.	2200	1.0	Overcast; fair.				
	4	0	28.193	66.9	66.1	S. 42 E.	2400	1.0	Overcast.				
	5	0	28.185	67.4	66.3	S. 44 E.	2400	1.0	Overcast.				
	6	0	28.190	66.5	65.4	S. 41 E.	2100	1.0	Overcast; showery.				
	7	0	28.214	66.0	65.1	S. 40 E.	1900	1.0	Overcast.				
	8	0	28.221	66.4	65.5	S. 40 E.	1700	1.0	Overcast.				
	9	0	28.226	66.0	65.2	S. 40 E.	1600	1.0	Thick mist.				

April 20th and 21st. MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.					DECLINATION.				
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	18.8	18.8	18.5	19.0	19.2	17.4	17.9	19.0	19.0	20.2
6	0	19.0	18.7	18.5	19.0	19.0	18.0	18.2	19.2	19.2	20.8
12	0	18.9	18.7	18.4	19.0	19.0	18.2	19.0	19.2	19.2	20.8
18	0	18.8	18.6	18.3	19.2	19.1	18.2	19.4	19.2	19.2	20.7
24	0	18.9	18.6	18.3	19.0	19.0	18.8	19.7	19.2	19.6	21.0
30	0	18.8	18.6	18.3	19.0	19.2	18.0	19.4	19.1	19.8	21.2
36	0	18.8	18.6	18.4	19.1	19.2	17.6	19.2	19.0	19.9	21.1
42	0	18.9	18.5	18.5	19.7	19.0	17.4	19.2	19.0	20.0	21.8
48	0	19.0	18.5	18.8	19.8	18.0	17.2	19.1	19.0	20.2	21.8
54	0	18.9	18.5	19.0	19.3	17.7	17.5	19.0	19.0	20.2	21.5
One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.											
M.	S.										
2	0	52.6	53.0	54.0	53.9	56.5	55.3	51.9	54.9	54.7	54.4
8	0	52.7	53.0	54.0	54.0	57.1	55.9	52.9	54.9	54.6	55.0
14	0	52.6	52.8	54.2	54.5	57.9	55.0	53.8	54.1	54.8	55.0
20	0	52.7	52.6	54.3	58.0	56.1	54.9	54.4	54.0	54.2	55.1
26	0	53.4	52.9	54.4	58.1	56.1	54.9	54.9	53.8	54.0	55.7
32	0	53.4	53.2	54.2	58.4	56.0	53.9	55.0	54.0	53.8	55.7
38	0	53.6	53.5	54.2	58.1	56.1	53.1	55.3	54.1	53.4	55.7
44	0	53.4	53.6	54.0	57.9	56.1	52.3	55.1	54.1	53.2	55.7
50	0	53.2	53.4	53.8	57.3	56.1	52.0	55.4	54.2	53.6	55.0
56	0	53.1	53.5	54.0	56.9	55.9	51.9	55.0	54.3	53.9	54.7
Thermometer		69.8	69.6	69.4	69.2	69.1	69.0	69.0	68.9	69.0	69.0
One Scale Division = .00066 parts of the V. F. VERTICAL FORCE.											
M.	S.										
4	0	12.0	13.9	12.9	13.4	13.9	14.1	13.2	14.1	vibrating	13.5
10	0	12.2	14.0	12.9	15.0	13.8	14.0	12.8	14.1	13.4	13.5
16	0	12.2	13.4	13.1	14.4	13.8	13.9	12.8	13.5	13.3	13.6
22	0	12.1	13.4	13.1	14.4	13.4	13.7	12.8	13.6	13.4	13.5
28	0	12.0	13.0	13.0	14.1	13.5	13.6	11.9	13.6	13.4	13.5
34	0	12.1	12.8	13.5	13.8	13.5	13.2	vibrating	13.6	13.5	13.2
40	0	12.1	12.6	13.6	13.9	13.2	13.2	12.5	13.2	13.5	13.2
46	0	12.1	12.4	13.6	13.9	13.2	13.2	13.4	13.1	13.5	13.2
52	0	vibrating	12.3	13.4	13.9	13.2	13.2	13.6	13.1	13.5	13.2
58	0	vibrating	12.3	13.4	13.9	13.2	13.2	13.6	13.1	13.5	13.2
Thermometer		69.1	69.0	69.1	69.4	69.1	68.9	68.8	68.8	68.6	68.6
Increasing Numbers denote decreasing westerly											
METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.					
D.	H.	M.	In.	°	°	°	Feet.				
20	10	0	28.240	64.0	60.8	S. 31 E.	2700+	0.8	Cloudy; moon and stars visible.		
	11	0	28.239	64.0	61.0	S. 29 E.	2700+	0.9	Nearly overcast.		
	12	0	28.243	63.6	60.1	S. 31 E.	2700+	0.9	Cloudy.		
	13	0	28.243	63.5	60.3	S. 32 E.	2700+	0.6	Moon and stars visible.		
	14	0	28.237	63.5	60.3	S. 33 E.	—	0.9	Nearly overcast.		
	15	0	28.223	63.4	60.7	S. 33 E.	—	1.0	Overcast; rain.		
	16	0	28.207	63.4	60.8	S. 33 E.	—	1.0	Overcast.		
	17	0	28.207	63.4	60.4	S. 35 E.	—	1.0	Overcast; dark.		
	18	0	28.207	63.1	59.8	S. 35 E.	—	1.0	Fair; stars visible.		
	19	0	28.221	60.5	57.6	S. 35 E.	2700+	1.0	Fair.		
	20	0	28.246	61.3	58.2	S. 35 E.	2700+	0.9	Fair; cumuli.		
	21	0	28.268	64.1	59.5	S. 35 E.	2700+	1.0	Overcast.		

MAGNETICAL OBSERVATIONS.													April 20th and 21st.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
19.3	18.9	18.8	20.4	21.1	20.1	18.6	16.8	16.9	18.1	18.5	18.6	19.1		
18.9	18.8	18.7	20.6	21.0	20.0	18.2	16.6	17.0	18.2	18.4	18.8	19.1		
19.2	18.7	18.8	20.7	20.9	20.0	18.0	16.8	17.0	18.2	18.4	18.8	19.0		
19.1	18.7	19.0	20.7	20.8	19.9	17.8	16.9	17.3	18.4	18.4	18.8	18.9		
19.0	18.6	19.4	20.8	20.6	19.9	17.6	17.0	17.8	18.5	18.4	18.9	18.9		
19.0	18.3	19.8	20.8	20.2	20.0	17.4	17.1	17.9	18.5	18.3	18.9	19.0		
19.0	18.2	19.9	20.7	20.3	20.0	17.1	17.1	18.0	18.5	18.2	18.9	19.1		
19.0	18.2	20.0	20.9	20.6	19.8	16.9	17.1	18.2	18.5	18.2	19.0	19.1		
18.9	18.2	20.1	21.0	20.6	19.3	16.8	16.9	18.3	18.5	18.3	19.0	19.0		
18.9	18.2	20.2	21.2	20.3	19.0	16.9	16.8	18.2	18.5	18.5	19.1	19.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah <sup>t</sup> . = .00028.								
57.0	60.1	61.0	58.2	58.0	57.9	54.8	50.0	50.3	50.2	46.8	48.8	50.8		
57.7	60.3	60.0	58.0	58.0	57.8	54.0	50.0	49.9	49.7	46.8	48.7	50.8		
57.9	60.4	59.2	57.4	58.1	57.7	53.1	50.3	50.0	49.0	46.8	48.8	50.8		
58.2	60.8	59.1	57.0	58.1	57.3	52.5	50.8	50.5	48.3	46.8	48.8	50.8		
58.8	61.0	59.8	57.2	58.2	57.1	52.0	50.9	50.7	48.0	47.2	48.8	50.8		
58.9	61.5	59.6	57.2	58.1	57.0	51.9	51.1	50.7	47.5	48.1	49.0	51.0		
59.0	61.5	58.8	57.3	58.1	56.7	51.7	51.0	50.9	47.2	48.2	49.3	51.0		
59.1	61.4	58.2	57.8	58.1	56.1	51.0	51.0	51.0	47.3	48.2	50.0	50.7		
59.3	61.2	57.8	57.9	58.1	55.7	50.7	50.9	51.0	46.9	48.3	50.7	50.0		
60.0	61.3	58.0	58.0	58.0	55.1	50.2	50.7	50.8	46.8	48.6	50.8	49.8		
68.8	68.7	69.0	69.1	69.6	69.9	70.4	70.8	70.9	71.1	71.0	71.0	70.8		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah <sup>t</sup> . =								
12.8	12.6	12.8	15.4	16.2	16.6	16.6	—	17.1	18.3	18.1	17.8	vibrating		
12.8	12.7	12.7	15.6	16.2	16.6	16.6	16.3	17.1	18.3	18.3	17.5	17.8		
12.8	12.7	vibrating	15.7	16.6	16.6	15.5	16.3	18.3	18.3	18.3	18.1	17.8		
12.8	12.7	vibrating	15.7	16.6	16.6	16.9	17.1	17.8	18.3	17.9	17.8	17.8		
12.8	12.5	vibrating	15.8	16.6	16.6	vibrating	16.6	17.8	18.3	18.2	17.8	17.8		
12.8	12.7	vibrating	15.8	16.6	16.6	vibrating	17.0	17.8	18.1	18.0	17.8	17.5		
12.8	12.7	13.4	15.9	16.6	16.6	16.8	17.0	18.4	18.1	18.0	17.8	17.5		
12.8	12.7	13.8	16.0	16.6	16.6	15.7	17.0	18.2	18.1	17.8	17.8	17.5		
12.8	12.7	14.8	16.1	16.6	16.6	15.7	17.0	18.3	18.0	17.8	17.8	17.5		
12.8	—	15.3	16.1	16.6	16.6	16.4	17.0	18.3	18.1	17.8	17.8	17.2		
68.1	68.3	68.5	68.8	69.0	69.4	69.7	70.0	70.4	70.7	70.4	70.5	70.3		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
D.	H.	M.		Dry.	Wet.	Direction.								
20	22	0	In.	°	°	°	Feet.							
			28.273	65.6	60.9	S. 35 E.	2700+	0.9	Cloudy.					
			28.291	68.0	62.6	S. 34 E.	2700+	1.0	Overcast; cumulo-strati.					
21	0	0	28.289	67.6	62.3	S. 35 E.	2700+	1.0	Overcast; strati.					
	1	0	28.280	68.5	62.5	S. 36 E.	2700+	1.0	Overcast.					
	2	0	28.259	71.0	64.6	N. 54 E.	2700+	0.9	Fair; cumulo-strati.					
	3	0	28.247	70.4	63.6	N. 52 E.	2700+	1.0	Fair.					
	4	0	28.236	70.2	63.2	N. 52 E.	2700+	0.9	Fair.					
	5	0	28.236	69.6	63.4	N. 85 E.	2700+	0.6	Sunshine; cumulo-strati.					
	6	0	28.247	66.8	62.2	N. 84 E.	2700+	0.3	Fair; cumulo-strati.					
	7	0	28.252	65.7	61.8	N. 84 E.	2700+	1.0	Fair.					
	8	0	28.262	64.4	61.2	N. 84 E.	2700+	0.3	Fair; moon and stars visible.					
	9	0	28.286	64.1	61.3	N. 84 E.	2700+	0.5	Fair; moon and stars.					

May 27th and 28th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		17.7	18.0	18.2	18.1	18.0	18.0	17.9	17.2	17.5	17.7	18.9
6	0		17.6	18.1	17.9	18.1	18.0	18.0	18.0	17.2	17.5	17.8	18.8
12	0		17.6	18.0	17.9	18.1	17.9	18.0	17.7	17.2	17.6	18.0	18.7
18	0		17.6	17.9	17.9	18.1	17.9	18.0	17.8	17.4	17.6	18.2	18.8
24	0		17.6	17.9	17.9	18.1	17.9	18.0	17.8	17.6	17.6	18.3	18.8
30	0		17.7	17.9	17.9	18.0	17.9	17.9	17.8	17.7	17.6	18.5	18.6
36	0		17.6	17.9	18.0	18.0	17.7	17.9	17.6	17.8	17.7	18.7	18.5
42	0		17.6	17.9	18.0	18.0	17.8	17.5	17.4	17.7	17.7	18.8	18.3
48	0		17.8	17.8	18.0	18.0	17.9	17.4	—	17.7	17.8	18.8	18.1
54	0		18.0	17.7	18.0	18.0	17.9	17.8	17.2	17.6	17.8	18.9	18.0
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
2	0		61.1	61.7	60.5	62.0	62.0	62.0	63.1	63.2	63.1	62.8	63.3
8	0		61.1	61.4	60.8	62.1	62.0	62.9	63.1	63.2	63.1	62.7	63.4
14	0		61.2	61.2	60.8	62.1	62.0	63.0	63.4	62.9	63.0	62.9	63.2
20	0		61.4	61.1	60.7	62.1	62.0	63.4	62.8	63.0	62.9	62.9	63.5
26	0		61.3	61.0	60.8	62.3	62.0	63.1	63.2	63.4	62.8	63.0	63.7
32	0		61.1	61.0	61.3	62.1	62.0	63.5	63.4	63.2	62.7	63.1	63.8
38	0		61.1	61.2	61.5	61.8	61.6	63.5	63.2	63.2	62.8	63.1	63.7
44	0		61.4	61.1	61.8	62.0	61.5	63.6	63.4	63.1	62.7	63.0	63.5
50	0		61.9	60.9	62.0	62.0	61.4	63.1	63.2	63.1	62.9	63.0	63.9
56	0		62.0	60.7	62.1	61.8	61.9	63.5	63.2	63.1	62.8	63.2	63.9
Thermometer			65.9	65.9	65.8	65.7	65.5	65.4	65.1	65.2	65.4	65.5	65.6
M. S.			One Scale Division = .00065 parts of the V. F.					VERTICAL FORCE.					
4	0		4.5	4.8	vibrating	5.8	5.7	5.6	5.7	5.7	vibrating	5.7	6.0
10	0		4.6	4.5	4.5	5.8	6.2	5.7	5.7	vibrating	5.8	5.7	5.9
16	0		4.3	4.6	4.5	5.8	5.5	5.9	5.7	5.1	5.8	5.6	5.6
22	0		5.5	4.6	vibrating	5.8	5.4	5.9	5.2	vibrating	5.7	5.6	5.7
28	0		5.4	4.6	vibrating	5.7	5.4	5.7	5.2	vibrating	5.7	5.7	5.7
34	0		vibrating	vibrating	5.6	5.7	5.4	5.6	5.2	5.7	5.7	5.8	5.7
40	0		vibrating	vibrating	5.8	5.7	5.6	5.6	5.5	5.7	5.7	5.6	5.7
46	0		vibrating	4.6	5.8	5.7	5.6	5.6	vibrating	5.7	5.7	5.6	5.6
52	0		4.9	vibrating	5.8	5.7	5.6	5.2	5.9	5.7	5.7	5.6	5.7
58	0		4.9	vibrating	5.8	5.7	5.6	5.4	5.4	5.7	5.7	5.6	5.7
Thermometer			65.4	65.4	65.5	65.3	65.0	65.1	65.0	64.9	64.9	64.9	65.0
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.	Not recorded.	Fair; moon and stars visible. Bright starlight; moon. Overcast. Overcast. Overcast. Overcast. Overcast. Cloudy; moon. Cloudy; moon. Cloudy. Overcast. Overcast. Overcast; showery.				
27	10	0	28.312	62.0	58.4	S. 44 E.							
	11	0	28.315	61.7	59.2	S. 42 E.							
	12	0	28.314	62.0	59.5	S. 47 E.							
	13	0	28.300	61.9	58.2	S. 48 E.							
	14	0	28.282	62.2	57.0	S. 46 E.							
	15	0	28.277	62.0	56.0	S. 48 E.							
	16	0	28.275	62.6	58.1	S. 45 E.							
	17	0	28.255	61.6	57.2	S. 56 E.							
	18	0	28.265	62.4	57.8	S. 56 E.							
	19	0	28.295	61.1	58.4	S. 56 E.							
	20	0	28.305	61.7	59.0	S. 57 E.							
	21	0	28.316	60.6	58.8	S. 36 E.							

MAGNETICAL OBSERVATIONS.													May 27th and 28th.	
DECLINATION.											Angular Value of one Scale Division = 0'.711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
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.		
17.9	15.8	15.3	17.0	17.0	18.2	19.4	19.2	17.4	15.8	16.0	16.6	16.8		
17.6	15.7	15.5	17.2	17.0	18.1	19.6	19.1	17.2	15.5	16.0	16.6	16.8		
17.4	15.1	15.6	17.2	17.0	18.2	19.7	18.9	17.2	15.4	16.1	16.8	17.0		
17.3	15.4	15.9	17.2	17.0	18.1	19.3	18.8	17.0	15.4	16.1	16.9	17.0		
17.1	15.3	15.9	17.2	17.1	18.1	19.2	18.7	16.6	15.6	16.1	16.9	17.0		
17.0	15.4	16.1	17.2	17.5	18.6	19.2	18.5	16.1	15.6	16.2	16.8	17.0		
16.9	15.3	16.4	17.2	17.8	18.9	19.1	18.4	16.1	15.8	16.2	16.8	17.0		
16.5	15.4	16.5	17.2	17.9	19.0	19.1	18.2	15.9	15.8	16.2	16.8	17.0		
16.2	15.3	16.8	17.2	18.1	19.1	19.1	18.0	15.8	15.9	16.4	16.8	17.0		
16.1	15.2	16.9	17.0	18.2	19.1	19.1	17.8	15.8	16.0	16.5	16.8	17.0		
HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = .00028.	
63.9	64.3	66.1	66.7	68.0	68.7	67.1	65.2	63.4	62.0	61.0	61.0	61.3		
63.8	64.9	66.2	67.1	68.0	68.2	67.0	65.0	63.3	62.0	61.0	61.0	61.4		
63.9	65.0	66.2	67.2	67.3	68.2	67.0	64.7	63.1	61.5	61.0	61.0	61.4		
63.8	65.4	66.2	67.8	67.6	68.2	67.0	64.8	62.8	61.5	61.1	61.0	61.3		
63.8	65.6	66.3	68.0	67.2	68.0	66.9	65.0	62.8	61.5	61.1	61.0	61.3		
63.9	65.9	66.1	68.0	67.8	68.0	66.9	64.4	62.3	61.5	61.0	61.0	61.3		
63.9	65.9	66.3	68.0	67.9	68.0	66.6	64.1	62.2	61.5	61.0	60.8	61.6		
64.0	66.1	66.3	68.0	68.0	67.9	66.1	63.8	62.2	61.3	61.0	61.2	61.6		
64.2	66.2	66.5	68.1	68.5	67.5	65.5	63.6	62.1	61.3	61.0	61.4	61.6		
64.2	66.2	66.5	68.0	68.6	67.1	65.9	63.4	62.0	61.3	61.0	61.4	61.6		
65.3	65.1	65.3	65.7	66.2	66.8	67.0	67.7	67.8	67.6	67.1	67.0	66.9		
VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. =	
5.7	vibrating	4.9	5.8	5.9	6.4	6.5	5.6	5.7	5.6	5.9	6.1	vibrating		
5.4	5.9	5.3	5.8	6.1	6.4	6.5	5.6	5.7	5.6	5.9	6.1	vibrating		
5.6	5.9	5.3	5.8	6.2	6.4	6.5	5.9	5.7	5.6	5.9	6.1	vibrating		
5.6	vibrating	5.3	5.8	6.2	6.4	6.5	5.9	5.5	5.6	5.9	5.8	5.9		
5.6	4.8	5.3	5.9	6.2	6.4	6.5	5.8	5.6	5.8	5.9	5.8	5.8		
5.5	5.3	5.3	5.9	6.2	6.4	6.5	5.9	5.6	5.6	5.9	5.4	5.8		
5.4	5.0	5.3	6.0	6.3	6.4	6.0	5.7	5.6	5.6	5.9	5.4	4.8		
5.4	5.2	5.3	6.0	6.3	6.4	5.9	5.7	5.6	5.6	5.9	5.4	4.8		
5.4	5.2	5.3	5.9	6.3	6.6	5.8	5.7	5.6	5.6	5.9	5.4	4.8		
vibrating	5.0	5.3	5.9	6.3	6.5	5.9	5.7	5.6	5.6	5.9	5.5	4.8		
65.0	64.8	65.0	65.1	65.8	66.1	66.8	67.1	67.2	67.0	66.8	66.6	66.4		
Declination and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
D.	H.	M.		Dry.	Wet.	Direction.								
27	22	0	In.	°	°	°	Feet.							
	23	0	28.329	62.4	60.6	S. 32 E.	Not recorded.	Not recorded.	Overcast.					
			28.338	64.4	59.0	S. 43 E.			Fair; cirro-cumuli.					
28	0	0	28.326	65.6	58.2	S. 46 E.			Fair, sun, cumuli.					
	1	0	28.307	66.4	58.5	S. 45 E.			Fair, sun, cumuli.					
	2	0	28.292	67.0	59.8	S. 44 E.			Fair, sun.					
	3	0	28.283	67.0	59.5	S. 38 E.			Fair, sun.					
	4	0	28.269	65.8	59.8	S. 53 E.			Clear, sun.					
	5	0	28.269	64.6	58.8	S. 48 E.			Clear; cumuli.					
	6	0	28.283	64.4	60.3	S. 52 E.			Fair, cumuli.					
	7	0	28.294	62.8	60.4	S. 43 E.			Overcast.					
	8	0	28.312	61.8	60.4	S. 44 E.	Overcast; dark.							
	9	0	28.303	60.8	59.6	S. 45 E.	Overcast; rain.							



June 22nd and 23rd.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		26.1	26.3	27.0	25.7	25.9	25.9	25.3	24.2	26.1	26.5	28.3
6	0		26.1	26.3	27.0	25.2	25.4	25.9	25.0	24.5	25.9	26.5	28.1
12	0		26.1	26.4	27.0	26.0	25.9	45.9	25.0	25.0	25.4	26.7	28.0
18	0		26.4	26.4	26.9	26.1	26.0	26.1	25.0	25.5	26.0	26.7	27.8
24	0		26.2	26.5	26.9	26.1	25.9	26.4	25.0	25.3	26.3	27.0	27.7
30	0		26.4	26.8	26.9	26.1	25.5	26.1	25.3	25.2	26.3	27.4	27.8
36	0		26.5	26.8	26.9	26.5	25.6	26.1	25.2	25.2	26.1	27.9	27.5
42	0		26.8	27.0	26.9	26.5	25.9	26.0	25.4	25.3	26.3	28.1	27.1
48	0		26.7	27.2	26.9	26.1	25.9	26.0	25.0	25.9	26.3	28.3	27.0
54	0		26.5	27.1	26.0	25.9	25.9	25.5	24.7	26.0	26.6	28.4	27.0

		One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.						
M.	S.												
2	0		65.8	64.5	65.3	66.2	63.1	63.0	62.8	60.8	63.1	62.8	62.1
8	0		65.8	64.7	66.0	64.3	62.1	64.0	62.9	60.5	63.1	62.8	61.4
14	0		66.0	64.7	65.8	64.1	62.0	63.1	62.6	61.0	63.6	62.8	61.5
20	0		66.1	64.8	66.1	63.7	61.8	62.9	62.2	60.8	62.8	62.7	61.6
26	0		65.8	64.8	66.4	63.7	62.0	63.8	62.2	61.0	62.3	62.7	61.9
32	0		65.9	64.8	66.6	64.0	62.0	63.2	61.1	61.5	61.8	62.0	62.0
38	0		65.4	65.5	66.5	63.8	61.8	63.0	61.3	61.8	62.6	61.9	61.4
44	0		65.8	66.0	67.0	64.1	62.0	63.1	61.0	62.2	62.5	61.3	61.1
50	0		64.8	66.0	67.1	64.0	62.8	63.8	61.0	63.0	61.9	61.0	61.4
56	0		65.0	66.0	67.4	63.5	62.2	62.6	61.0	63.1	62.3	60.9	61.8

Thermometer		64.5	64.5	64.7	64.7	64.7	64.4	64.2	64.2	64.0	64.0	64.1

		One Scale Division = .00065 parts of the V. F.					VERTICAL FORCE.						
M.	S.												
4	0		9.7	8.6	8.4	7.8	7.8	7.9	8.0	8.0	9.1	8.5	8.2
10	0		9.8	8.9	8.4	7.8	7.8	7.2	8.0	8.8	8.3	8.1	8.1
16	0		9.8	8.7	8.4	7.8	8.0	7.2	8.0	8.8	7.9	8.1	7.6
22	0		9.6	8.7	8.4	7.8	8.0	7.2	8.0	8.8	7.9	8.1	7.8
28	0		9.6	8.7	8.4	7.9	8.0	8.0	8.0	8.8	8.1	8.1	7.6
34	0		9.8	8.8	8.4	7.9	8.0	8.0	8.0	8.2	7.8	8.1	7.7
40	0		9.9	8.8	8.4	7.9	8.0	8.0	8.0	7.7	8.0	8.1	8.0
46	0		9.3	8.8	8.2	7.9	8.0	8.0	8.0	8.0	8.0	8.1	7.8
52	0		9.2	8.5	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.1	7.8
58	0		8.8	8.4	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	7.8

Thermometer		64.1	64.2	64.2	64.2	64.2	64.1	64.1	63.9	63.8	63.8	63.7

Increasing Numbers denote decreasing westerly

METEOROLOGICAL OBSERVATIONS.									
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.			
D.	H.	M.	In.	°	°	°	Feet.		
22	10	0	28.385	61.2	59.3	S. 46 E.	2100	1.0	Cloudy; moon at intervals.
	11	0	28.399	60.8	59.3	S. 48 E.	2400	0.9	Cloudy; moon.
	12	0	28.407	59.8	58.2	S. 45 E.	2500	1.0	Overcast.
	13	0	28.397	60.3	59.0	S. 39 E.	2100	1.0	Overcast.
	14	0	28.385	59.6	56.8	S. 37 E.	2700+	1.0	Overcast.
	15	0	28.371	59.8	55.8	S. 33 E.	2700+	1.0	Overcast.
	16	0	28.359	60.0	55.8	S. 30 E.	2700+	1.0	Cloudy; faint moonlight.
	17	0	28.351	60.0	55.8	S. 50 E.	2700+	1.0	Overcast.
	18	0	28.351	59.6	55.0	S. 37 E.	2700+	1.0	Overcast.
	19	0	28.363	59.6	55.5	S. 32 E.	2700+	1.0	Overcast.
	20	0	28.379	60.0	56.4	S. 38 E.	2700+	1.0	Overcast.
	21	0	28.399	61.1	56.8	S. 35 E.	—	1.0	Overcast.

MAGNETICAL OBSERVATIONS.													June 22nd and 23rd.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
27.0	26.4	27.0	27.0	26.0	24.9	24.1	25.0	25.0	24.0	24.0	23.5	24.2		
27.0	26.4	27.0	26.9	26.0	25.0	24.1	25.1	24.9	24.0	23.7	23.9	24.3		
27.4	26.3	27.0	26.7	25.5	25.0	23.9	25.1	24.4	24.0	23.6	23.8	24.3		
27.8	26.3	27.0	26.1	25.2	24.9	24.2	25.1	24.4	24.0	23.6	23.8	24.3		
27.6	26.3	27.0	26.6	25.1	24.7	24.8	25.0	24.4	24.0	23.5	23.9	24.1		
27.2	26.5	27.1	26.0	25.2	24.7	24.8	25.0	24.6	23.8	23.7	24.0	24.3		
26.2	26.4	27.1	26.0	25.1	24.5	24.8	24.9	24.5	23.8	23.8	23.9	24.2		
26.6	26.9	27.1	25.9	25.0	24.3	24.9	24.9	24.3	23.8	23.9	23.9	24.2		
26.4	26.9	27.1	26.0	24.9	24.2	24.9	24.9	24.0	23.9	23.5	23.9	24.0		
26.6	27.0	27.0	25.9	24.9	24.1	24.9	24.9	24.0	23.9	23.3	24.0	24.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. = .00028.								
62.0	63.4	65.2	67.0	63.2	63.1	62.8	62.2	62.8	62.0	58.8	58.9	58.3		
62.0	63.2	65.7	66.6	63.1	63.2	62.7	62.4	63.0	61.6	58.1	59.1	58.2		
62.2	63.3	65.5	66.2	63.1	63.1	62.8	62.4	63.0	61.3	57.9	59.9	58.6		
62.2	63.8	65.5	66.0	63.0	63.0	62.8	62.4	63.0	61.1	57.1	59.9	59.0		
62.4	64.0	65.9	65.9	62.9	62.9	62.1	62.4	62.8	61.0	56.9	59.9	59.1		
62.7	64.0	66.0	65.5	62.9	63.1	62.0	62.6	62.6	60.9	56.1	59.3	59.0		
63.0	64.1	66.3	65.0	62.9	63.0	62.0	62.8	62.9	60.6	56.1	58.8	59.0		
63.0	64.8	66.9	64.9	63.0	63.0	62.0	62.7	62.8	60.0	56.1	58.7	58.7		
63.1	65.0	66.0	64.0	63.0	63.2	62.3	62.8	62.4	59.8	57.0	58.3	58.4		
63.4	65.0	65.5	64.0	63.1	63.0	62.6	63.0	62.0	59.1	58.0	58.3	58.1		
64.0	63.9	63.8	63.9	64.1	64.7	65.0	65.3	65.4	65.1	64.9	64.7	64.7		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. =								
7.8	8.0	8.0	7.9	7.9	9.1	8.6	8.9	8.8	9.0	8.6	8.3	8.3		
7.8	8.0	7.7	7.8	7.9	9.6	8.6	8.9	8.8	9.0	8.6	8.4	8.3		
7.9	7.1	7.7	7.8	7.9	9.6	8.6	8.9	8.8	8.6	8.2	8.3	8.3		
8.0	7.1	7.7	7.8	7.9	9.6	8.9	8.9	8.8	8.7	8.2	8.3	8.3		
8.0	7.1	7.7	7.8	8.2	9.6	8.6	8.9	8.7	8.6	8.2	8.2	8.7		
8.0	7.3	7.8	7.8	8.1	9.6	8.6	8.9	8.4	8.6	8.2	8.2	7.5		
8.2	7.3	7.8	7.8	8.1	9.6	9.0	8.8	8.6	8.6	8.2	8.2	7.5		
8.3	8.0	7.8	7.9	8.6	9.0	9.0	8.8	9.0	8.6	8.2	8.2	7.5		
8.3	8.0	7.8	7.9	8.8	9.0	9.2	8.7	9.0	8.6	8.2	8.2	8.4		
8.0	8.0	7.8	7.9	9.1	9.0	8.7	8.7	9.0	8.6	8.2	8.3	8.4		
63.5	63.4	63.4	63.5	63.9	64.3	64.7	64.9	65.0	64.7	64.3	64.5	64.3		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.				Feet.							
22	22	0	28.418	60.2	57.7	S. 35 E.	2700	1.0	Overcast; fair.					
	23	0	28.422	61.0	56.8	S. 50 E.	2700+	1.0	Overcast; fair.					
23	0	0	28.409	62.6	57.5	S. 52 E.	2700+	1.0	Overcast; fair.					
	1	0	28.395	63.1	57.4	S. 34 E.	2700+	1.0	Overcast; fair.					
	2	0	28.360	63.1	57.4	S. 47 E.	2700+	1.0	Overcast; fair.					
	3	0	28.341	63.6	58.2	S. 46 E.	2700+	1.0	Overcast; fair.					
	4	0	28.324	62.8	57.8	S. 39 E.	2700+	1.0	Overcast; fair.					
	5	0	28.314	61.4	56.0	S. 40 E.	2700+	1.0	Overcast.					
	6	0	28.315	60.8	56.1	S. 48 E.	2700+	0.9	Fair; cirro-cumuli.					
	7	0	28.313	60.4	56.9	S. 37 E.	2700+	1.0	Overcast; fair.					
	8	0	28.323	59.8	55.8	S. 40 E.	2700+	1.0	Overcast; fair.					
	9	0	28.329	60.1	59.2	S. 34 E.	2700+	1.0	Overcast; fair.					

July 20th and 21st. MAGNETICAL OBSERVATIONS.													
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	21.8	22.2	22.2	23.4	23.0	22.7	22.8	22.7	23.0	23.5	25.0	
6	0	21.8	22.1	22.2	23.9	23.0	22.7	22.8	22.8	23.1	23.7	25.0	
12	0	22.0	22.1	22.1	23.8	23.0	22.4	22.8	22.8	23.2	23.8	24.9	
18	0	22.0	22.0	22.1	23.3	23.0	22.6	22.8	22.8	23.1	24.0	24.9	
24	0	22.1	22.0	22.1	23.1	22.8	22.8	22.8	22.9	23.2	24.0	24.9	
30	0	22.3	22.1	22.2	23.1	22.8	22.8	22.8	22.9	23.2	24.1	25.1	
36	0	22.7	22.2	22.4	23.1	22.8	22.8	22.7	22.8	23.3	24.3	25.1	
42	0	22.6	22.2	22.8	23.2	22.8	22.8	22.8	22.8	23.3	24.8	25.1	
48	0	22.7	22.5	22.9	23.1	22.8	22.8	22.8	23.0	23.4	24.9	25.0	
54	0	22.4	22.3	23.0	23.0	22.8	22.8	22.7	23.1	23.4	25.0	25.0	
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
			60.5	61.6	61.0	64.5	63.8	62.7	62.2	62.6	63.2	64.2	64.3
2	0	60.5	61.1	61.1	64.5	63.8	62.5	62.2	62.6	63.2	64.4	64.0	
8	0	60.8	61.2	61.0	64.5	63.7	62.4	62.2	62.6	63.3	64.2	64.4	
14	0	61.0	60.8	61.0	64.1	63.3	62.3	62.2	62.6	63.1	64.2	64.4	
20	0	61.2	60.8	61.2	64.0	63.2	62.2	62.4	62.9	63.2	64.3	64.3	
26	0	61.6	60.8	62.0	64.0	63.2	62.1	62.2	63.0	63.7	64.6	65.0	
32	0	61.9	60.8	63.0	64.0	63.1	62.0	62.6	63.0	63.8	64.7	65.0	
38	0	61.8	60.8	63.1	64.0	63.1	62.1	62.9	63.0	64.2	64.7	65.0	
44	0	61.9	60.9	63.8	64.0	63.1	62.1	62.8	63.1	64.2	64.2	65.2	
50	0	61.8	61.0	64.0	64.0	62.9	62.2	62.6	63.4	64.3	64.3	65.3	
56	0	61.8	61.0	64.0	64.0	62.9	62.2	62.6	63.4	64.3	64.3	65.3	
Thermometer			61.0	61.0	61.0	61.0	61.0	60.9	60.9	60.9	60.7	60.5	60.4
M. S.			One Scale Division = .00074 parts of the V. F.					VERTICAL FORCE.					
			5.7	6.3	6.5	6.5	6.7	6.7	6.5	6.2	6.0	5.6	5.4
4	0	5.7	6.3	6.5	6.5	6.7	6.7	6.5	6.2	6.0	5.6	5.4	
10	0	5.5	6.3	6.6	7.0	6.7	6.7	6.6	6.2	6.0	5.6	5.4	
16	0	5.5	6.3	6.6	7.0	6.7	6.7	6.6	6.2	5.5	5.6	5.4	
22	0	5.5	6.3	6.4	6.6	6.7	6.2	6.6	6.2	5.5	5.6	5.4	
28	0	5.5	6.3	6.2	6.5	6.7	6.3	6.5	6.2	5.5	5.6	5.4	
34	0	5.5	6.3	6.1	6.5	6.6	6.3	6.2	6.0	5.4	5.3	5.4	
40	0	6.3	6.3	6.4	6.5	6.6	6.3	6.2	6.0	5.4	5.4	5.4	
46	0	6.3	6.3	6.4	6.5	6.6	6.3	6.2	6.0	5.4	5.4	5.4	
52	0	6.3	6.3	6.5	6.5	6.6	6.3	6.2	6.0	5.4	5.3	5.4	
58	0	6.3	6.3	6.5	6.7	6.6	6.3	6.2	6.0	5.4	5.3	5.4	
Thermometer			61.0	61.0	61.0	61.0	61.0	60.8	60.7	60.7	60.4	60.3	60.2
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	Inch.	°	°	°	Feet.						
20	10	0	28.428	56.9	55.8	S. 37 E.	2400	1.0	Overcast.				
	11	0	28.438	57.0	55.9	S. 43 E.	2600	1.0	Overcast.				
	12	0	28.430	56.9	55.9	S. 26 E.	2400	1.0	Showery.				
	13	0	28.424	57.0	56.0	S. 31 E.	2400	1.0	Overcast.				
	14	0	28.409	56.4	55.2	S. 28 E.	2400	1.0	Overcast.				
	15	0	28.387	56.2	54.6	S. 20 E.	2700+	1.0	Nearly overcast; a few stars.				
	16	0	28.372	56.0	55.0	S. 26 E.	2700+	1.0	Overcast.				
	17	0	28.373	56.2	54.0	S. 39 E.	2700+	1.0	Overcast.				
	18	0	28.385	56.0	53.6	S. 30 E.	2700+	1.0	Overcast.				
	19	0	28.401	55.5	52.6	S. 21 E.	2700+	0.9	Overcast.				
	20	0	28.421	55.1	51.4	S. 22 E.	2700+	0.8	Overcast.				
	21	0	28.435	56.3	52.2	S. 29 E.	2700+	0.9	Fair; cumuli.				

MAGNETICAL OBSERVATIONS.													July 20th and 21st.	
DECLINATION.													Angular Value of one Scale Division = 0'.711.	
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	Sc. Div.	Sc. Div.
25.0	23.7	23.5	23.4	23.3	23.5	22.8	22.1	22.0	22.0	21.7	21.5	22.0	Sc. Div.	Sc. Div.
25.2	23.8	23.4	23.0	23.3	23.4	22.8	22.0	22.0	21.9	21.7	21.4	22.1	Sc. Div.	Sc. Div.
24.8	23.8	23.3	23.0	23.3	23.3	22.8	22.0	22.1	22.0	21.8	21.5	22.1	Sc. Div.	Sc. Div.
24.4	23.8	23.3	23.0	23.3	23.1	22.7	22.0	22.0	22.0	21.8	21.7	22.2	Sc. Div.	Sc. Div.
24.9	23.9	23.3	23.0	23.3	23.1	22.7	21.9	22.0	22.0	21.7	21.8	22.3	Sc. Div.	Sc. Div.
24.7	24.0	23.3	23.0	23.4	23.0	22.7	21.9	22.0	21.9	21.5	21.9	22.4	Sc. Div.	Sc. Div.
24.2	24.0	23.2	23.0	23.7	22.9	22.6	21.8	22.0	21.9	21.4	22.0	22.4	Sc. Div.	Sc. Div.
24.2	24.0	23.2	23.0	23.7	22.8	22.4	21.7	22.1	21.8	21.3	22.0	22.6	Sc. Div.	Sc. Div.
23.9	24.0	23.1	23.2	23.7	22.8	22.2	21.9	22.1	21.7	21.3	22.0	22.7	Sc. Div.	Sc. Div.
23.8	23.9	23.3	23.3	23.7	22.8	22.1	21.9	22.0	21.7	21.4	22.0	22.8	Sc. Div.	Sc. Div.
HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fall. = .00028.	
65.5	67.1	68.0	69.8	68.4	66.0	63.8	63.1	61.6	61.1	61.3	61.8	61.6	Sc. Div.	Sc. Div.
65.8	67.1	68.6	69.1	68.1	66.0	63.8	63.0	61.5	61.1	61.3	61.8	61.6	Sc. Div.	Sc. Div.
65.9	67.1	68.8	69.3	68.0	65.2	63.8	62.9	61.4	61.1	61.2	61.8	61.8	Sc. Div.	Sc. Div.
66.0	67.6	68.8	69.2	67.6	65.0	64.0	62.9	61.5	61.1	61.0	61.8	61.8	Sc. Div.	Sc. Div.
66.1	67.9	69.0	69.0	67.2	64.8	63.9	62.9	61.5	61.1	60.9	61.9	61.8	Sc. Div.	Sc. Div.
66.5	67.5	69.0	69.0	67.0	64.5	64.0	62.1	61.5	61.0	60.9	61.9	61.8	Sc. Div.	Sc. Div.
66.5	67.9	69.1	68.9	66.9	64.3	64.0	62.0	61.7	61.0	60.9	61.8	61.9	Sc. Div.	Sc. Div.
66.9	67.9	69.1	68.9	66.5	64.2	63.9	61.9	61.5	61.1	61.0	61.8	61.8	Sc. Div.	Sc. Div.
66.9	68.0	69.2	68.9	66.2	64.0	63.8	61.8	61.1	61.2	61.2	61.7	62.0	Sc. Div.	Sc. Div.
67.3	68.0	69.9	68.8	66.1	63.9	63.6	61.6	61.1	61.3	61.3	61.7	62.1	Sc. Div.	Sc. Div.
60.0	60.0	60.0	60.1	60.5	60.9	61.1	61.1	61.3	61.2	61.2	60.9	60.6	Sc. Div.	Sc. Div.
VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fall. =	
5.4	5.8	5.7	5.7	6.1	6.4	7.1	6.7	6.4	6.3	7.0	6.2	6.2	Sc. Div.	Sc. Div.
5.4	5.7	5.7	5.7	6.1	6.4	7.1	6.7	6.3	6.3	7.0	6.2	6.2	Sc. Div.	Sc. Div.
5.4	5.7	5.7	5.7	6.1	6.4	6.8	6.7	6.3	6.3	6.5	6.2	6.2	Sc. Div.	Sc. Div.
5.4	5.7	5.7	5.7	6.1	6.4	6.8	6.4	6.3	6.3	6.5	6.2	6.1	Sc. Div.	Sc. Div.
5.4	5.7	5.7	5.7	6.1	6.4	6.8	6.4	6.3	6.3	6.2	6.2	6.1	Sc. Div.	Sc. Div.
5.4	5.7	5.4	5.7	6.1	6.5	6.8	6.4	6.3	6.3	6.2	6.2	6.1	Sc. Div.	Sc. Div.
6.1	5.7	5.4	5.7	6.1	6.6	6.9	6.4	6.3	6.3	6.2	6.2	6.1	Sc. Div.	Sc. Div.
6.1	5.7	5.4	6.1	6.1	6.7	6.9	6.4	6.4	6.3	6.2	6.2	6.1	Sc. Div.	Sc. Div.
6.1	5.7	5.7	6.1	6.2	6.8	7.2	6.4	6.4	6.3	6.2	6.2	6.0	Sc. Div.	Sc. Div.
6.1	5.7	5.7	6.1	6.2	6.8	7.2	6.4	6.4	6.3	6.2	6.2	6.0	Sc. Div.	Sc. Div.
59.9	60.0	59.9	60.0	60.1	60.4	60.8	61.0	61.0	61.0	60.7	60.6	60.1	Sc. Div.	Sc. Div.
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind. Direction.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.									
D.	H.	M.	Inch.	°	°	°	Feet.							
20	22	0	28.445	57.0	51.6	S. 28 E.	2700+	1.0	Dull; overcast.					
	23	0	28.457	57.5	51.8	S. 34 E.	2700+	1.0	Overcast; fair.					
21	0	0	28.446	58.6	53.0	S. 28 E.	2700+	1.0	Cloudy; fair.					
	1	0	28.438	58.1	53.2	S. 38 E.	2700+	1.0	Overcast; fair.					
	2	0	28.419	59.6	53.6	S. 28 E.	2700+	1.0	Overcast; fair.					
	3	0	28.411	58.3	52.9	S. 42 E.	2700+	0.8	Cloudy; cumulo-strati.					
	4	0	28.407	58.6	52.1	S. 38 E.	2700+	0.2	Clear; fair; cirro-cumuli.					
	5	0	28.401	57.4	51.0	S. 38 E.	2700+	0.0	Clear; fine; sun.					
	6	0	28.405	56.3	50.4	S. 42 E.	2700+	0.2	Fair.					
	7	0	28.410	55.4	50.4	S. 31 E.	2700+	0.5	Fair; sunset.					
	8	0	28.422	55.4	50.9	S. 35 E.	2700+	0.9	Moon and stars visible.					
	9	0	28.423	54.8	48.8	S. 30 E.	2700+	0.1	Moon and stars.					

August 26th and 27th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		21.9	22.0	23.1	22.8	22.4	23.0	22.9	22.9	23.5	24.1	
6	0		21.9	22.0	23.1	22.8	22.5	23.2	22.9	23.0	23.6	24.0	
12	0		21.8	22.0	23.1	22.9	22.5	23.2	22.9	23.2	23.6	24.0	
18	0		21.9	22.0	23.1	23.1	22.5	23.2	22.9	22.8	23.6	24.0	
24	0		22.1	22.0	23.1	23.0	22.7	23.2	22.8	22.9	23.7	24.0	
30	0		22.1	22.2	23.1	22.9	22.7	23.2	22.9	23.0	23.8	24.0	
36	0		22.1	23.0	23.0	22.7	22.9	23.3	23.0	23.1	23.8	24.0	
42	0		22.1	23.1	23.0	22.8	23.1	23.3	23.0	23.2	23.9	24.0	
48	0		22.1	23.1	22.9	22.8	23.2	23.1	23.0	23.4	23.9	24.0	
54	0		22.0	23.1	22.8	22.7	23.0	23.0	23.0	23.4	24.2	24.0	
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		61.9	62.5	65.6	61.8	62.7	64.2	64.4	63.8	64.2	63.9	
8	0		61.9	62.1	65.0	61.9	63.2	64.2	64.0	63.8	63.9	64.2	
14	0		62.0	62.1	64.9	62.0	63.0	64.9	63.8	64.0	63.9	64.9	
20	0		62.9	62.7	64.0	62.1	62.9	65.1	63.9	64.1	63.9	65.0	
26	0		62.9	62.9	63.4	62.5	62.8	65.3	63.8	64.0	63.7	65.0	
32	0		63.0	64.1	62.8	62.1	62.9	65.3	63.8	64.2	63.5	65.0	
38	0		63.0	65.4	62.4	62.6	63.3	65.0	63.8	64.3	63.5	65.0	
44	0		63.0	66.0	62.0	62.9	63.3	64.9	63.7	64.0	63.4	65.0	
50	0		63.1	66.0	62.0	62.9	63.3	64.7	63.7	64.1	63.5	65.0	
56	0		62.0	65.9	61.9	62.9	63.4	64.4	63.8	64.1	63.3	65.0	
Thermometer			60.3	60.2	60.2	60.1	60.0	60.0	59.9	59.9	60.0	59.8	59.7
			One Scale Division = .00077 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
4	0		4.8	4.8	5.1	4.8	5.5	5.4	5.0	5.3	5.4	5.0	
10	0		4.9	4.8	4.8	5.5	5.7	5.4	5.1	5.3	5.4	4.7	
16	0		4.9	4.8	4.8	5.5	5.7	5.4	5.1	5.3	5.4	4.7	
22	0		4.9	4.8	4.8	5.5	5.5	5.4	5.1	5.3	5.1	4.7	
28	0		4.9	4.8	4.8	5.5	5.5	5.4	5.1	5.3	5.1	4.7	
34	0		4.8	4.8	4.7	5.5	5.5	5.4	5.0	5.4	5.1	4.7	
40	0		4.8	4.8	4.7	5.3	5.5	5.4	5.2	5.4	5.0	4.7	
46	0		4.8	4.8	4.7	5.3	5.5	5.2	5.2	5.4	5.0	4.7	
52	0		4.8	4.8	4.7	5.3	5.4	5.2	5.3	5.3	5.0	4.7	
58	0		4.8	4.8	4.7	5.4	5.4	5.2	5.3	5.3	5.0	4.7	
Thermometer			60.3	60.3	60.1	60.0	60.0	60.0	59.8	59.7	59.4	59.4	59.3
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
26	10	0	28.355	55.6	52.6	S. 31 E.	—	1.0	Overcast; dark.				
	11	0	28.354	55.7	53.7	S. 30 E.	—	1.0	Overcast; dark.				
	12	0	28.353	55.7	52.2	S. 45 E.	—	1.0	Overcast.				
	13	0	28.342	55.9	52.7	S. 50 E.	—	1.0	Overcast.				
	14	0	28.330	55.5	52.2	S. 40 E.	2700+	1.0	Overcast.				
	15	0	28.332	55.2	51.6	S. 50 E.	2700+	1.0	Overcast.				
	16	0	28.312	55.3	52.0	S. 48 E.	2700+	1.0	Overcast.				
	17	0	28.302	55.0	52.3	S. 56 E.	2700+	1.0	Overcast.				
	18	0	28.295	55.0	51.8	S. 38 E.	2700+	1.0	Overcast.				
	19	0	28.304	54.8	51.2	S. 40 E.	2700+	1.0	Overcast.				
	20	0	28.315	55.2	51.9	S. 44 E.	2700+	1.0	Overcast.				
	21	0	28.334	56.0	52.2	S. 44 E.	2700+	1.0	Overcast.				

MAGNETICAL OBSERVATIONS.													August 26th and 27th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
23.9	22.9	20.9	21.2	21.9	22.0	23.0	24.1	24.2	23.0	22.2	22.0	21.9		
23.9	22.1	20.8	21.2	22.1	22.0	23.1	24.5	24.1	23.0	22.2	22.0	21.9		
23.9	22.0	20.8	21.6	22.0	22.2	23.2	24.9	24.0	22.9	22.2	21.9	21.9		
23.9	21.9	20.8	21.9	22.0	22.4	23.3	24.9	24.0	22.9	22.2	21.8	21.9		
23.8	21.8	20.8	22.0	22.0	22.2	23.5	24.9	24.0	22.9	22.1	21.8	21.9		
23.8	21.2	20.8	22.1	21.9	22.4	23.9	24.9	23.9	22.8	22.1	21.8	22.0		
23.5	21.3	20.8	22.0	21.9	22.6	23.8	24.9	23.6	22.6	22.0	21.8	22.0		
23.0	21.8	20.8	22.0	21.9	22.5	23.9	24.9	23.3	22.4	22.0	21.8	22.0		
23.4	21.1	21.0	21.9	21.9	22.9	23.9	24.9	23.1	22.4	22.0	21.8	22.0		
23.0	21.0	21.0	21.9	22.0	23.0	23.9	24.7	23.1	22.3	22.0	21.9	22.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. = .00028.								
65.0	65.3	67.0	67.0	68.9	68.1	67.5	65.2	65.0	64.2	64.3	63.5	62.7		
65.0	65.3	67.0	67.2	68.8	68.0	67.2	65.3	64.8	64.1	64.2	63.4	62.4		
64.9	65.8	67.0	67.5	68.7	68.2	67.0	65.8	64.5	64.0	64.1	63.2	62.9		
64.9	66.2	66.9	67.7	68.8	68.0	67.0	65.8	64.1	64.0	63.9	63.0	62.9		
64.9	66.1	66.9	68.0	68.4	68.0	66.9	65.9	64.0	64.2	64.1	62.9	62.5		
64.9	66.7	66.9	68.0	68.3	68.0	66.2	65.3	64.0	64.2	64.2	62.9	63.2		
65.0	66.4	67.0	68.0	68.3	67.9	66.0	65.3	64.0	64.0	64.1	62.9	63.5		
65.0	66.7	67.2	68.1	68.3	67.9	65.5	65.2	64.2	64.0	64.0	62.9	63.5		
65.0	66.9	67.4	68.3	68.2	67.9	65.0	65.1	64.1	64.4	63.8	62.9	63.2		
65.0	67.0	67.2	68.7	68.2	67.8	65.1	65.1	64.2	64.4	63.7	62.9	63.0		
59.2	59.4	59.6	59.9	60.1	60.4	60.8	60.9	61.0	61.0	60.9	60.9	60.7		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. =								
4.7	4.7	4.7	4.5	4.4	5.2	5.2	5.3	5.4	5.3	5.3	5.7	5.6		
4.7	4.7	4.5	4.5	4.5	5.2	5.3	5.3	5.3	5.3	4.9	5.7	5.6		
4.7	4.7	4.5	4.5	4.5	5.2	5.3	5.3	5.3	5.3	4.9	5.4	5.3		
4.7	4.7	4.5	4.6	4.8	5.2	5.3	5.3	5.3	5.3	5.0	5.6	5.3		
4.7	4.7	4.5	4.6	4.9	5.2	5.3	5.5	5.3	5.3	4.9	5.6	5.3		
4.7	4.7	4.5	4.6	4.9	5.2	5.3	5.5	5.3	5.3	4.9	5.6	5.3		
4.7	4.7	4.5	4.6	4.9	5.2	5.3	5.5	5.3	5.3	5.0	5.6	5.3		
4.7	4.7	4.5	4.6	4.9	5.2	5.3	5.5	5.3	5.3	5.2	5.6	5.3		
4.7	4.7	4.5	4.6	5.0	5.2	5.3	5.5	5.3	5.3	5.3	5.6	5.3		
4.7	4.7	4.5	4.5	5.0	5.2	5.3	5.5	5.3	5.3	5.3	5.6	5.3		
59.1	59.1	59.1	59.6	59.5	60.2	60.2	60.7	60.8	60.8	60.7	60.6	60.4		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.	°	°	°	Feet.							
26	22	0	28.349	57.2	53.7	S. 42 E.	2700+	1.0	Overcast; dull.					
	23	0	28.355	58.1	54.3	S. 26 E.	2700+	1.0	Overcast.					
27	0	0	28.354	58.8	55.6	S. 47 E.	2700+	1.0	Overcast; dull.					
	1	0	28.345	59.2	56.3	—	2600	1.0	Overcast; rain.					
	2	0	28.337	58.8	55.4	S. 49 E.	2700+	1.0	Overcast; dull.					
	3	0	28.323	59.1	56.6	S. 58 E.	2000	1.0	Overcast; rain.					
	4	0	28.315	59.6	56.6	S. 61 E.	1900	1.0	Overcast; rain.					
	5	0	28.322	57.9	55.7	S. 54 E.	2000	1.0	Overcast; dull.					
	6	0	28.327	57.1	55.6	S. 56 E.	2200	1.0	Overcast.					
	7	0	28.325	56.6	55.4	S. 40 E.	2200	1.0	Overcast.					
	8	0	28.331	56.1	55.1	S. 50 E.	—	1.0	Overcast.					
	9	0	28.334	56.0	55.0	S. 38 E.	—	1.0	Overcast; rain.					

September 21st and 22nd. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.					DECLINATION.					
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0	21.0	20.9	20.6	21.5	22.0	21.5	21.7	22.5	22.9	24.8	23.0
6	0	21.0	20.9	20.4	21.8	22.2	21.6	22.5	22.4	22.9	24.9	22.9
12	0	20.8	20.9	20.6	22.2	22.3	21.7	22.1	22.3	22.9	24.9	22.4
18	0	20.6	21.1	20.9	22.8	22.1	21.5	21.9	22.3	22.9	24.9	22.1
24	0	20.8	21.1	21.0	23.0	21.9	21.4	21.9	22.2	23.0	24.8	22.0
30	0	20.9	21.1	21.2	23.0	21.9	21.4	21.6	22.4	23.0	24.5	21.8
36	0	20.9	20.9	21.3	22.9	22.2	21.4	21.9	22.6	23.1	24.0	21.5
42	0	20.9	21.0	21.3	22.9	22.1	21.4	21.9	22.8	23.5	23.9	21.0
48	0	20.9	20.9	21.7	22.6	21.8	21.4	22.1	22.8	23.9	23.2	20.9
54	0	20.9	20.8	21.7	22.2	21.6	21.5	22.3	22.8	24.3	23.1	20.5
One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.												
M.	S.											
2	0	58.2	58.7	58.1	61.2	63.1	60.7	61.0	60.9	61.0	61.3	61.1
8	0	57.8	58.5	58.2	63.6	62.3	60.5	61.1	60.9	61.0	61.5	61.1
14	0	57.1	58.2	58.5	66.0	61.7	60.6	60.9	60.9	61.0	61.1	61.4
20	0	57.1	58.2	58.8	67.3	61.4	60.4	61.0	60.9	61.0	61.1	61.4
26	0	57.6	57.9	58.8	68.0	61.1	60.4	61.0	60.5	61.0	61.0	61.2
32	0	57.9	57.5	58.9	67.5	60.9	60.4	60.9	60.4	61.0	61.0	61.3
38	0	58.2	57.5	58.8	67.0	60.8	60.7	60.9	60.8	61.1	61.0	61.0
44	0	58.4	58.0	58.8	66.2	60.7	60.8	60.9	60.9	61.1	61.0	60.9
50	0	58.7	58.4	59.9	65.0	60.7	60.8	60.9	60.9	61.1	61.0	61.1
56	0	58.8	58.1	60.7	64.0	60.5	60.8	60.9	61.1	61.0	61.0	60.9
Thermometer		61.9	61.8	61.6	61.5	61.3	61.3	61.3	61.0	61.0	60.8	60.9
One Scale Division = .00087. VERTICAL FORCE.												
M.	S.											
4	0	54.8	55.8	55.7	55.3	55.3	55.3	56.4	56.2	52.6	52.9	53.1
10	0	55.8	55.8	55.7	55.3	55.3	55.3	56.4	56.2	52.8	53.1	53.1
16	0	55.8	55.8	55.7	55.3	55.3	56.0	56.5	56.2	52.8	53.1	53.1
22	0	55.5	55.8	55.7	55.3	55.3	56.4	56.5	52.7	52.8	53.1	53.1
28	0	56.1	55.8	55.7	55.3	55.3	56.4	56.5	52.7	52.8	53.1	53.1
34	0	56.1	55.8	55.7	55.3	55.3	56.4	56.5	52.6	52.8	53.1	53.1
40	0	56.1	55.8	55.7	55.3	55.3	56.4	56.5	52.6	52.8	53.1	53.1
46	0	55.8	55.6	55.7	55.3	55.3	56.4	56.5	52.6	52.8	53.1	53.1
52	0	55.8	55.6	55.7	55.4	55.3	56.4	56.5	52.6	52.9	53.1	53.1
58	0	55.8	55.6	55.7	55.2	55.3	56.4	56.2	52.6	52.9	53.1	53.1
Thermometer		61.4	61.3	61.2	61.1	61.1	61.1	61.0	60.7	60.7	60.5	60.5
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
21	10	0	28.374	57.4	55.2	S. 54 E.	2700+	1.0	Overcast.			
	11	0	28.380	56.5	54.2	S. 55 E.	2700+	1.0	Overcast.			
	12	0	28.379	56.5	53.8	S. 52 E.	2700+	1.0	Overcast.			
	13	0	28.375	57.2	54.8	S. 51 E.	2600	1.0	Overcast.			
	14	0	28.353	57.5	55.6	S. 50 E.	2400	1.0	Overcast.			
	15	0	28.333	56.3	54.7	S. 50 E.	2700+	1.0	Overcast.			
	16	0	28.315	56.2	54.2	S. 52 E.	2700+	1.0	Overcast.			
	17	0	28.309	56.5	54.7	S. 51 E.	2600	1.0	Overcast.			
	18	0	28.311	56.6	54.4	S. 47 E.	2700+	1.0	Overcast.			
	19	0	28.321	57.3	55.6	S. 47 E.	1900	1.0	Overcast.			
	20	0	28.337	56.8	55.2	S. 56 E.	2400	1.0	Overcast.			
	21	0	28.337	57.9	56.0	S. 50 E.	2000	1.0	Overcast.			

MAGNETICAL OBSERVATIONS.													September 21st and 22nd.	
DECLINATION.						Angular Value of one Scale Division = 0'·711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
20·2	17·5	15·9	16·2	17·8	19·9	20·9	20·9	20·2	20·1	19·8	20·0	20·1		
20·0	17·2	16·0	16·5	17·9	19·9	20·5	21·0	20·2	20·1	19·5	20·0	20·1		
19·9	17·1	16·1	16·5	18·0	20·0	20·2	21·0	20·1	20·2	19·4	20·0	20·2		
19·3	16·9	16·0	17·0	18·1	20·0	20·4	21·1	20·1	20·2	19·3	20·0	20·3		
19·0	16·7	16·0	16·9	18·5	20·4	20·9	21·1	20·0	20·4	19·0	20·0	20·3		
19·0	16·5	16·1	17·0	18·9	20·5	20·9	21·0	20·0	20·1	19·0	20·1	20·3		
18·5	16·3	16·1	17·1	19·0	20·6	20·9	20·8	20·0	20·0	19·7	20·0	20·3		
18·4	16·2	16·2	17·1	19·2	20·7	20·9	20·6	19·9	20·0	20·0	20·0	20·2		
18·0	16·3	16·1	17·9	19·2	20·7	20·9	20·6	20·1	19·9	20·1	20·0	20·5		
17·9	16·1	16·1	17·9	19·9	20·9	21·0	20·6	20·1	19·8	20·0	20·0	20·7		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah°. = 00028.								
60·9	60·2	61·8	63·3	63·7	63·1	63·9	62·0	61·1	61·0	56·1	55·9	55·9		
60·3	60·1	62·1	63·9	63·1	63·1	63·1	62·0	61·1	60·9	55·8	55·4	56·0		
60·2	60·1	62·3	63·9	63·1	63·1	63·0	62·0	61·0	60·2	55·0	55·1	56·1		
60·5	59·9	62·9	64·0	63·1	63·0	62·9	62·0	61·1	60·5	54·3	55·3	56·1		
61·0	59·8	63·2	63·9	63·0	62·1	62·9	62·0	61·1	60·0	55·0	55·2	56·0		
61·2	59·0	63·5	63·9	63·0	62·8	62·9	61·9	61·0	60·0	55·9	55·3	56·0		
61·1	60·4	63·5	63·9	63·0	62·9	63·0	61·8	60·9	59·8	56·7	55·3	56·0		
61·1	60·7	63·9	64·0	63·0	63·0	62·9	61·0	60·9	59·5	56·9	55·5	56·1		
61·0	60·9	63·8	63·9	62·9	63·1	62·9	61·1	60·9	58·3	56·7	55·8	56·8		
61·0	61·2	63·3	63·9	62·9	63·8	62·9	61·1	60·9	57·0	56·3	55·9	56·9		
60·8	60·8	61·0	61·1	61·7	62·0	62·1	62·5	62·4	62·3	62·0	62·0	61·8		
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah°. =								
53·1	53·2	53·4	53·5	53·3	53·0	53·0	52·9	52·9	52·8	52·4	52·7	52·6		
53·1	53·2	53·4	53·5	53·3	53·0	53·0	52·9	52·5	52·8	52·4	52·7	52·7		
53·1	53·3	53·4	53·5	53·3	53·0	53·0	52·9	52·5	52·8	52·4	52·7	52·7		
53·1	53·3	53·4	53·5	53·3	53·0	53·0	52·9	52·5	52·8	52·6	52·7	52·7		
53·1	53·3	53·5	53·5	53·0	52·9	53·0	52·9	52·5	52·8	52·6	52·6	52·6		
53·1	53·3	53·5	53·5	53·0	53·0	53·0	52·9	52·7	52·8	52·6	52·6	52·6		
53·1	53·3	53·5	53·5	53·0	53·0	53·0	52·9	52·7	52·8	52·6	52·6	52·6		
53·1	53·3	53·5	53·3	53·0	53·0	53·0	52·9	52·7	52·8	52·7	52·6	52·6		
53·1	53·3	53·5	53·3	53·0	53·0	53·0	52·9	52·8	52·8	52·7	52·6	53·0		
53·1	53·4	53·5	53·3	53·0	53·0	52·9	52·9	52·8	52·8	52·7	52·6	53·1		
60·4	60·5	60·9	61·0	61·4	61·8	62·1	62·2	62·2	62·0	61·8	61·7	61·5		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.	°	°	°	Feet.							
21	22	0	28·349	58·6	57·0	S. 42 E.	1800	1·0	Overcast.					
	23	0	28·359	58·7	57·7	S. 51 E.	1800	1·0	Overcast; showery.					
22	0	0	28·360	60·5	58·8	S. 51 E.	1900	1·0	Overcast.					
	1	0	28·351	60·7	58·4	S. 58 E.	2000	1·0	Overcast.					
	2	0	28·330	61·3	58·7	S. 60 E.	1800	1·0	Overcast.					
	3	0	28·310	61·0	57·9	S. 49 E.	2500	1·0	Overcast.					
	4	0	28·298	60·1	58·1	S. 50 E.	1800	1·0	Mist.					
	5	0	28·306	59·4	57·8	S. 42 E.	1800	1·0	Rain.					
	6	0	28·312	58·4	57·3	S. 47 E.	1700	1·0	Overcast.					
	7	0	28·321	57·6	56·8	S. 46 E.	1800	1·0	Drizzling rain.					
	8	0	28·335	57·8	57·0	S. 51 E.	—	1·0	Rain; dark.					
	9	0	28·351	57·4	57·0	S. 52 E.	—	1·0	Overcast; dark.					



October 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		20.8	21.4	21.5	20.9	20.5	19.8	20.2	19.2	19.3	19.7	18.3
6	0		21.4	21.2	21.5	21.0	20.5	19.9	20.2	19.1	19.5	19.1	18.4
12	0		21.5	21.2	21.3	21.0	20.4	20.0	20.2	19.1	19.3	19.0	18.5
18	0		21.5	21.2	21.3	21.2	20.5	20.0	20.2	19.1	19.3	18.9	18.7
24	0		21.0	21.1	21.2	21.1	20.6	19.8	20.0	19.1	19.3	18.5	19.0
30	0		21.0	21.0	21.1	21.0	20.7	19.8	19.8	19.1	19.3	18.2	19.1
36	0		21.0	21.0	21.1	20.9	20.4	19.9	19.2	19.0	19.3	18.2	19.2
42	0		21.0	21.0	20.9	20.7	20.2	19.9	19.1	19.0	19.3	18.2	19.0
48	0		21.0	21.1	21.0	20.5	20.1	19.9	19.1	19.0	19.7	18.2	19.3
54	0		21.3	21.2	21.0	20.5	19.9	20.0	19.2	19.1	19.8	18.2	19.4
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
2	0		59.8	61.2	60.8	61.2	62.6	61.5	62.0	61.7	62.0	62.0	63.9
8	0		61.6	61.0	60.8	61.2	62.3	61.7	62.0	61.5	62.0	61.8	64.2
14	0		61.8	60.9	60.6	62.9	62.3	61.8	62.0	61.8	62.0	61.7	64.8
20	0		61.4	60.9	60.4	63.9	62.2	61.7	61.8	61.9	61.8	61.7	65.0
26	0		60.7	60.8	60.6	63.9	62.3	61.8	61.5	61.9	61.4	61.9	65.6
32	0		60.7	60.7	60.2	63.9	62.2	61.8	61.2	61.9	61.6	62.1	66.0
38	0		60.8	60.7	60.1	63.1	62.1	62.1	61.6	61.7	61.9	62.8	66.0
44	0		60.8	60.8	60.3	63.0	62.1	62.2	61.7	61.9	61.8	63.0	66.1
50	0		60.9	60.8	60.9	62.9	61.9	62.3	61.8	62.0	61.8	63.1	66.4
56	0		61.2	60.8	61.2	62.6	61.8	62.3	61.8	62.0	61.8	63.6	66.8
Thermometer			61.5	61.4	61.2	61.2	61.0	61.1	60.9	60.9	60.9	60.9	60.8
M. S.			One Scale Division = .00060 parts of the V. F.					VERTICAL FORCE.					
4	0		44.4	42.1	43.2	43.2	43.1	43.6	43.8	44.0	43.2	43.0	42.2
10	0		44.3	42.1	43.2	42.8	43.5	43.6	43.8	44.0	43.2	43.0	41.4
16	0		44.3	42.6	43.3	42.8	43.2	43.6	44.0	43.7	43.2	43.0	40.9
22	0		44.1	42.6	43.4	43.0	43.2	43.6	44.0	43.7	43.2	43.0	41.0
28	0		44.1	41.5	43.5	43.0	43.1	43.7	44.0	43.8	42.6	43.0	40.8
34	0		44.1	41.5	43.5	42.9	43.3	43.4	44.0	43.2	42.6	43.0	40.8
40	0		43.6	41.5	43.5	42.9	43.4	43.2	44.0	43.2	42.6	43.0	41.5
46	0		42.9	41.4	43.5	42.9	43.4	43.5	44.0	43.2	42.6	42.4	41.8
52	0		42.6	41.4	43.5	42.9	43.3	43.5	44.0	43.2	43.0	41.0	41.9
58	0		42.6	41.4	43.3	42.9	43.6	43.5	44.0	43.2	43.0	41.0	41.1
Thermometer			61.3	61.3	61.1	61.0	61.0	61.1	60.9	60.9	60.5	60.5	60.6
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
19	10	0	28.288	56.0	55.0	S. 42 E.	2700	1.0	Overcast; moon at intervals.				
	11	0	28.291	56.2	54.8	S. 36 E.	2700+	1.0	Overcast.				
	12	0	28.299	56.4	54.5	S. 50 E.	2700+	1.0	Overcast.				
	13	0	28.291	56.7	54.3	S. 42 E.	2700+	1.0	Overcast.				
	14	0	28.274	57.1	55.8	S. 30 E.	1600	1.0	Overcast; rain.				
	15	0	28.244	55.8	54.5	S. 40 E.	2700+	1.0	Overcast.				
	16	0	28.237	56.0	54.4	S. 34 E.	2500	1.0	Overcast.				
	17	0	28.245	56.0	53.8	S. 34 E.	2700+	1.0	Overcast.				
	18	0	28.248	56.8	54.8	S. 34 E.	2600	1.0	Overcast.				
	19	0	28.260	56.2	54.9	S. 40 E.	2200	1.0	Overcast; showery.				
	20	0	28.278	56.6	55.5	S. 40 E.	1600	1.0	Thick mist; rain.				
	21	0	28.304	57.7	56.4	S. 55 E.	2700+	0.8	Fair; sun.				

MAGNETICAL OBSERVATIONS.													October 19th and 20th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
19.4	20.9	24.0	26.3	27.0	25.8	23.1	20.0	18.6	19.0	20.4	21.0	20.8		
19.4	20.9	24.2	26.6	27.0	25.5	22.8	19.9	18.2	19.0	20.4	21.0	20.8		
19.3	21.2	24.5	27.0	26.9	25.6	22.5	19.7	18.2	19.4	20.5	21.0	21.0		
19.4	21.7	25.0	27.0	26.9	25.2	22.1	19.2	18.1	19.6	20.5	21.0	21.0		
19.6	22.0	25.0	26.9	26.9	24.8	21.9	19.0	18.2	19.6	20.7	21.0	21.1		
19.6	22.2	25.0	26.9	26.5	24.3	21.3	19.1	18.2	19.8	20.5	21.0	21.1		
19.8	22.8	25.3	26.8	26.3	24.0	21.1	19.0	18.3	19.9	20.8	20.8	21.0		
20.0	23.0	25.8	26.8	26.1	23.8	21.0	19.0	18.6	20.0	20.8	20.8	21.0		
20.1	23.1	26.0	26.8	26.0	23.7	20.6	18.8	18.8	20.3	20.8	20.7	21.0		
20.2	23.6	26.2	26.9	26.0	23.3	20.2	18.8	18.8	20.3	20.9	20.8	21.0		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fahr. = .00028.								
67.1	69.3	70.4	70.0	67.1	67.8	66.9	65.4	64.2	61.1	59.1	60.0	59.1		
67.4	69.3	70.2	70.0	67.0	67.1	66.8	65.5	63.9	61.0	59.5	60.0	59.0		
67.8	69.9	70.2	70.0	67.1	67.0	66.8	65.3	63.7	60.8	59.8	60.0	59.0		
68.0	70.1	70.5	69.9	67.1	66.9	66.8	65.1	63.3	61.0	60.0	60.0	59.0		
68.0	70.2	70.4	69.1	67.1	66.9	66.6	65.1	63.0	60.8	60.0	60.0	59.1		
68.6	70.5	70.3	68.3	67.2	66.9	66.2	65.0	62.7	60.4	60.1	60.0	59.0		
69.0	70.7	70.2	67.9	67.3	67.0	66.2	64.8	62.2	60.1	60.2	59.7	58.9		
69.2	70.4	70.1	67.4	67.3	66.9	66.1	64.8	62.0	60.0	60.1	59.5	58.9		
69.4	70.0	70.1	67.1	67.6	66.8	65.6	64.6	61.9	60.0	60.1	59.3	59.4		
69.3	70.2	69.9	67.1	67.8	66.9	65.6	64.4	61.5	59.9	60.0	59.1	59.3		
60.8	60.9	61.0	61.2	61.6	61.8	62.1	62.6	62.6	62.7	62.1	62.1	62.0		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fahr. =								
41.1	41.2	39.7	40.1	40.7	41.0	41.6	42.3	42.2	41.1	40.6	40.3	41.7		
41.4	40.5	39.7	40.4	40.7	41.2	41.6	42.3	42.2	41.1	40.3	40.3	41.7		
41.4	40.5	39.4	40.4	40.8	41.2	42.0	42.3	42.0	41.1	40.3	40.3	41.7		
41.4	40.0	39.4	40.4	40.8	41.2	42.0	42.3	42.0	41.1	40.3	40.3	41.7		
41.4	40.0	39.4	40.3	40.8	41.2	42.0	42.3	42.0	41.1	40.3	40.3	41.7		
41.4	40.0	39.5	40.3	40.8	41.2	42.0	42.3	42.0	41.1	40.3	40.3	41.7		
41.4	40.0	39.5	40.3	40.8	41.6	42.0	42.3	42.0	41.1	40.3	40.3	41.7		
41.4	40.4	39.9	40.3	40.8	41.6	42.0	42.2	41.9	40.9	40.3	40.3	41.7		
41.4	40.4	39.9	40.3	40.8	41.6	42.0	42.2	40.9	40.9	40.3	40.3	41.9		
41.4	39.7	40.0	40.3	40.9	41.6	42.0	42.2	40.9	40.9	40.3	40.3	41.9		
60.5	60.6	61.0	61.1	61.3	61.5	61.9	62.2	62.3	62.1	62.1	62.1	61.8		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.	°	°	°	Feet.							
19	22	0	28.315	58.4	57.1	S. 62 E.	1600	1.0	Rain.					
	23	0	28.314	58.4	57.2	S. 47 E.	2400	1.0	Overcast.					
20	0	0	28.309	59.3	57.8	S. 44 E.	1900	1.0	Overcast.					
	1	0	28.305	60.0	58.1	S. 42 E.	2700+	1.0	Overcast; fair.					
	2	0	28.289	62.2	59.3	S. 57 E.	2200	1.0	Overcast; fair.					
	3	0	28.281	61.1	58.4	S. 54 E.	2700	1.0	Overcast.					
	4	0	28.264	60.7	57.5	S. 52 E.	2600	0.9	Cloudy.					
	5	0	28.258	59.8	56.5	S. 42 E.	2700	1.0	Overcast.					
	6	0	28.264	59.0	56.3	S. 42 E.	2700	0.9	Nearly overcast.					
	7	0	28.265	58.3	55.0	S. 34 E.	2700+	1.0	Overcast; fair.					
	8	0	28.272	58.1	55.8	S. 36 E.	—	1.0	Overcast.					
	9	0	28.295	57.8	56.2	S. 30 E.	2700+	1.0	Overcast; fair.					

November 25th and 26th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		20.2	20.0	19.9	19.4	19.0	18.8	18.7	18.8	18.7	18.3	17.5
6	0		20.4	20.1	19.9	19.3	19.1	18.7	18.7	18.7	18.7	18.1	17.5
12	0		20.3	20.0	19.8	19.3	19.0	18.7	18.8	18.6	18.7	18.0	17.5
18	0		20.3	20.1	19.8	19.4	18.9	18.8	18.9	18.4	18.8	17.9	17.1
24	0		20.3	20.0	19.8	19.2	18.9	18.9	18.9	18.4	18.8	17.8	17.0
30	0		20.1	20.0	19.6	19.2	19.0	18.9	18.9	18.4	18.8	17.6	17.0
36	0		20.0	20.0	19.5	19.1	19.0	18.9	18.9	18.4	18.9	17.7	16.9
42	0		20.0	20.0	19.4	19.1	18.9	18.8	18.9	18.4	18.9	17.7	16.9
48	0		20.0	19.9	19.4	19.0	18.8	18.8	18.9	18.5	18.8	17.4	17.0
54	0		20.0	19.9	19.4	19.0	18.8	18.7	18.9	18.5	18.8	17.3	17.0
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
2	0		55.9	56.5	57.0	57.1	57.2	57.8	57.9	58.0	57.8	58.9	60.0
8	0		56.0	56.6	57.0	57.1	57.4	58.0	57.9	57.9	57.8	58.9	60.0
14	0		56.1	56.7	57.0	57.1	57.4	58.1	57.9	57.9	57.9	58.9	60.1
20	0		56.1	56.7	57.0	57.1	57.4	58.1	58.0	57.9	58.0	59.2	60.2
26	0		56.1	56.7	57.0	57.1	57.5	58.1	58.1	57.8	58.0	59.3	60.4
32	0		56.1	56.9	57.0	57.1	57.6	58.0	58.2	57.8	58.0	59.4	60.7
38	0		56.1	57.0	57.0	57.1	57.6	58.0	57.8	57.8	58.1	59.7	60.8
44	0		56.1	56.9	57.0	57.1	57.7	58.0	58.0	57.8	58.1	59.8	60.9
50	0		56.1	56.9	57.0	57.1	57.7	57.9	58.0	57.8	58.5	60.0	61.0
56	0		56.3	57.0	57.1	57.2	57.6	57.7	57.9	57.8	58.6	60.0	61.0
Thermometer			64.1	64.0	63.9	63.9	63.8	63.7	63.6	63.6	63.4	63.3	63.0
M. S.			One Scale Division = .00056 parts of the V. F.					VERTICAL FORCE.					
4	0		54.2	53.6	54.3	53.9	53.6	53.4	53.4	53.4	52.8	52.7	52.7
10	0		54.2	53.6	54.3	54.0	53.6	53.4	53.4	53.4	52.8	52.7	52.6
16	0		53.9	53.6	53.9	54.0	53.6	53.4	53.4	53.3	52.8	52.8	52.6
22	0		53.8	53.6	53.9	53.8	53.5	53.4	53.4	53.1	52.9	52.8	52.6
28	0		53.8	53.4	53.9	53.8	53.5	53.4	53.4	53.1	52.9	52.8	52.6
34	0		53.6	53.6	53.9	53.5	53.5	53.4	52.8	53.1	52.9	52.7	52.6
40	0		53.6	53.6	53.9	53.5	53.4	53.4	52.8	53.1	52.9	52.7	52.6
46	0		53.6	53.6	53.9	53.6	53.4	53.4	52.8	53.1	52.9	52.7	52.6
52	0		53.6	53.5	53.9	53.6	53.4	53.4	52.8	52.6	52.9	52.5	52.6
58	0		53.6	53.6	53.9	53.6	53.4	53.4	52.8	52.7	52.7	52.7	52.6
Thermometer			64.0	63.8	63.8	63.7	63.6	63.6	63.5	63.2	63.0	63.0	62.8
Increasing Numbers denote decreasing westerly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.							
D.	H.	M.	In.	°	°	°	Feet.						
25	10	0	28.303	60.0	58.5	S. 49 E.	—	1.0	Nearly overcast; a few stars visible.				
	11	0	28.305	59.4	57.7	S. 40 E.	—	1.0	Overcast; dark.				
	12	0	28.303	59.0	57.3	S. 56 E.	—	0.9	Fair; a few stars visible.				
	13	0	28.287	58.7	56.9	S. 52 E.	—	0.6	Fair; starlight.				
	14	0	28.272	58.8	57.8	S. 56 E.	—	1.0	Overcast; drizzling rain.				
	15	0	28.255	58.5	57.0	S. 54 E.	2000	1.0	Overcast; a few dim stars.				
	16	0	28.253	58.6	56.8	S. 62 E.	2700+	1.0	Overcast.				
	17	0	28.256	58.6	57.2	S. 58 E.	2700+	0.9	Fair; a few stars visible.				
	18	0	28.264	58.7	56.6	S. 50 E.	2700	1.0	Overcast.				
	19	0	28.282	58.8	56.6	S. 50 E.	2700+	1.0	Overcast.				
	20	0	28.298	60.4	57.2	S. 51 E.	2700+	0.6	Fair; sun; cumuli.				
	21	0	28.314	61.2	57.4	S. 55 E.	2700+	0.8	Fair; cumuli.				

MAGNETICAL OBSERVATIONS.													November 25th and 26th.	
DECLINATION.											Angular Value of one Scale Division = 0'.711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
17.1	17.3	18.2	21.0	22.6	22.5	21.1	19.6	19.2	19.7	20.2	20.3	20.3		
17.1	17.3	18.7	21.1	22.8	22.2	20.9	19.4	19.1	19.8	20.1	20.3	20.3		
17.1	17.5	18.8	21.4	23.0	22.1	20.9	19.3	19.2	19.9	20.1	20.2	20.4		
17.1	17.8	18.9	21.6	23.0	22.1	20.5	19.2	19.2	19.9	20.1	20.2	20.5		
17.1	17.9	19.0	21.7	23.1	22.0	20.2	19.1	19.3	19.9	20.1	20.2	20.7		
17.1	17.9	19.3	21.8	23.0	22.0	20.0	19.1	19.3	19.9	20.1	20.2	20.7		
16.9	17.9	19.8	22.0	23.0	21.9	19.9	19.0	19.4	20.0	20.1	20.3	20.7		
17.0	18.0	20.0	22.2	23.0	21.7	19.9	19.0	19.3	20.0	20.1	20.3	20.6		
17.1	18.0	20.2	22.3	23.0	21.4	19.8	19.0	19.4	20.0	20.1	20.2	20.6		
17.2	18.1	20.9	22.5	22.7	21.2	19.5	19.2	19.6	20.1	20.2	20.3	20.6		

HORIZONTAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. = .00028.	
61.1	61.9	63.9	65.1	64.1	62.6	60.9	59.6	58.8	58.1	57.8	57.0	56.9		
61.1	61.9	64.0	65.3	64.1	62.1	60.9	59.6	58.2	58.1	57.8	57.1	57.1		
61.1	62.0	64.0	65.5	64.1	62.0	60.9	59.6	58.2	58.0	57.7	57.1	57.1		
61.2	62.1	64.0	65.1	64.1	62.0	60.5	59.4	58.1	58.0	57.6	57.0	57.1		
61.2	62.6	64.1	65.0	64.0	61.8	60.5	59.2	58.1	58.0	57.6	57.0	57.1		
61.3	63.0	64.1	64.9	63.8	61.2	60.2	59.2	58.0	58.0	57.4	57.0	57.1		
61.4	63.0	64.8	64.9	63.8	61.1	60.1	59.0	58.0	57.9	57.2	57.0	57.1		
61.6	63.1	64.9	64.9	63.3	61.1	60.1	58.9	58.0	57.9	57.1	57.1	57.0		
61.7	63.7	65.0	64.5	63.0	61.1	60.1	58.9	58.0	57.9	57.2	57.1	57.0		
61.9	63.9	65.1	64.1	62.8	61.0	59.8	58.9	58.1	57.9	57.1	57.0	57.0		
63.0	63.1	63.6	63.9	64.2	64.9	65.0	65.4	65.4	65.1	65.0	64.9	64.9		

VERTICAL FORCE.													Change in the magnetic moment of the Bar for 1° Fah. =	
52.6	52.5	51.1	51.1	51.1	51.7	51.7	52.3	52.5	52.7	52.7	52.4	52.2		
52.6	52.3	51.0	51.1	51.1	51.7	51.7	52.3	52.5	52.7	52.7	52.4	52.2		
52.6	52.3	51.0	51.1	51.1	51.7	51.7	52.3	52.6	52.7	52.7	52.4	52.2		
52.6	52.2	51.0	51.1	51.6	51.7	51.7	52.3	52.6	52.7	52.7	52.4	52.2		
52.6	52.1	51.0	51.1	51.6	51.7	51.7	52.0	52.3	52.6	52.7	52.4	52.2		
52.6	52.1	51.0	51.1	51.7	51.7	51.7	52.0	52.3	52.7	52.7	52.4	52.2		
52.6	52.1	51.1	51.1	51.7	51.7	51.7	52.0	52.5	52.7	52.7	52.4	52.2		
52.6	52.1	51.2	51.1	51.7	51.7	51.7	52.0	52.5	52.7	52.7	52.4	52.2		
52.6	52.1	51.2	51.1	51.7	51.7	51.7	52.3	52.5	52.7	52.7	52.2	52.2		
62.7	63.0	63.2	63.4	63.8	64.3	64.6	65.1	65.1	65.0	64.8	64.7	64.5		

Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
D.	H.	M.	In.	Dry.	Wet.	Direction.	Feet.					
25	22	0	28.320	63.5	59.4	S. 59 E.	2700+	0.9	Fair; sun; cumuli.			
	23	0	28.313	63.8	59.5	S. 51 E.	2700+	0.9	Fair; sun; cumuli.			
26	0	0	28.301	63.2	59.8	S. 54 E.	2700+	0.9	Fair; sun.			
	1	0	28.293	67.0	60.7	S. 52 E.	2700+	0.5	Fair; sun.			
	2	0	28.286	66.6	60.7	S. 57 E.	2700+	0.8	Fair; sun; cumuli.			
	3	0	28.267	65.2	59.9	S. 55 E.	2700	0.6	Fair; sun; cumuli.			
	4	0	28.250	64.0	59.6	S. 26 E.	2700+	0.9	Cloudy.			
	5	0	28.243	62.4	59.2	S. 40 E.	2400	0.8	Fair; sunshine.			
	6	0	28.238	61.9	58.9	S. 47 E.	2700	0.9	Fair; sun; cumuli.			
	7	0	28.249	60.5	58.5	S. 50 E.	2400	1.0	Overcast.			
	8	0	28.261	59.9	57.9	S. 52 E.	2700+	1.0	Overcast.			
	9	0	28.281	59.7	57.8	S. 53 E.	—	1.0	Overcast.			

December 21st and 22nd.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.				
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0		19.0	19.1	19.2	19.0	18.8	18.6	18.3	17.9	17.8	17.0
6	0		19.0	19.1	19.5	19.0	18.8	18.7	18.2	17.9	17.8	16.8
12	0		19.0	19.1	19.1	19.1	18.8	18.7	18.1	17.8	17.7	16.2
18	0		19.0	19.1	19.1	19.0	18.7	18.7	18.0	17.8	17.5	16.0
24	0		19.0	19.1	19.1	19.1	18.7	18.6	17.8	17.8	17.5	16.0
30	0		19.0	19.1	19.0	19.1	18.6	18.5	17.7	17.8	17.2	15.4
36	0		19.0	19.1	19.0	19.0	18.6	18.5	17.6	17.8	17.2	15.0
42	0		19.0	19.1	19.0	19.0	18.5	18.5	17.7	17.7	17.2	15.0
48	0		19.0	19.2	19.0	19.0	18.5	18.4	17.7	17.6	17.1	14.9
54	0		19.0	19.2	19.0	19.0	18.5	18.4	17.8	17.6	17.0	14.3
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.				
M.	S.											
2	0		58.0	57.4	58.2	58.8	58.6	59.0	58.8	59.3	59.4	59.7
8	0		58.0	57.4	58.1	59.0	58.8	59.3	59.2	59.3	59.5	59.7
14	0		57.4	57.3	58.1	59.0	58.8	59.2	59.3	59.2	59.5	59.6
20	0		57.3	57.4	58.6	59.1	58.7	59.1	59.1	59.2	59.5	59.4
26	0		57.2	57.2	58.6	59.1	58.8	59.1	59.2	59.4	59.3	59.4
32	0		57.2	57.5	58.7	59.1	58.8	58.9	59.2	59.4	59.4	59.3
38	0		57.2	57.7	58.8	59.0	58.9	58.9	59.2	59.6	59.5	59.3
44	0		57.2	57.9	58.8	59.0	59.1	58.8	59.2	59.6	59.6	59.1
50	0		57.2	58.0	58.8	59.0	59.1	58.7	59.2	59.6	59.5	59.1
56	0		57.3	58.0	58.8	58.2	59.0	58.8	59.2	59.6	59.5	59.1
Thermometer			64.8	64.7	64.7	64.6	64.2	64.3	64.3	64.1	64.0	64.0
			One Scale Division = .0007 parts of the V. F.					VERTICAL FORCE.				
M.	S.											
4	0		54.7	54.8	54.8	54.8	54.8	54.5	54.5	54.7	55.2	55.5
10	0		54.7	54.8	54.8	54.8	54.8	54.5	54.4	54.7	55.2	55.6
16	0		54.7	54.8	54.8	54.8	54.8	54.5	54.4	55.1	55.2	55.8
22	0		54.7	54.8	54.8	54.8	54.8	54.5	55.2	55.2	55.2	55.8
28	0		54.7	54.8	54.8	54.8	54.8	54.5	55.2	55.2	55.2	55.8
34	0		54.7	54.8	54.8	54.8	54.8	54.5	55.1	55.2	55.2	55.8
40	0		54.7	54.8	54.8	54.8	54.8	54.5	55.1	55.2	55.4	55.8
46	0		54.7	54.8	54.8	54.8	54.8	54.5	55.0	55.2	55.4	55.8
52	0		54.7	54.8	54.8	54.8	54.8	54.5	54.9	55.2	55.4	55.8
58	0		54.7	54.8	54.8	54.8	54.8	54.5	54.8	55.2	55.4	55.8
Thermometer			64.5	64.4	64.3	64.2	64.0	64.1	64.1	64.0	63.8	63.7
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.						
D.	H.	M.	In.	°	°	°	Feet.					
21	10	0	28.205	60.2	58.5	S. 42 E.	—	0.9				
	11	0	28.219	59.8	56.4	S. 31 E.	—	1.0				
	12	0	28.219	60.1	56.3	S. 46 E.	2700 +	—				
	13	0	28.209	60.2	58.6	S. 44 E.	—	1.0				
	14	0	28.197	59.8	56.2	S. 40 E.	2700 +	1.0				
	15	0	28.192	59.7	55.5	S. 52 E.	2700 +	1.0				
	16	0	28.187	59.8	55.9	S. 58 E.	2700 +	1.0				
	17	0	28.197	59.2	56.3	S. 49 E.	2700 +	1.0				
	18	0	28.209	59.6	55.1	S. 52 E.	2700 +	1.0				
	19	0	28.227	59.8	56.6	S. 41 E.	2700 +	1.0				
	20	0	28.251	60.5	56.0	S. 57 E.	2700 +	1.0				
	21	0	28.257	61.4	56.4	S. 54 E.	2700 +	1.0				

MAGNETICAL OBSERVATIONS.													December 21st and 22nd.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
13.8	11.2	10.2	12.9	15.0	15.2	15.0	15.4	17.1	17.9	17.8	18.8	19.8		
13.2	11.1	10.3	13.6	15.1	15.2	15.0	15.6	17.4	17.9	18.0	18.9	19.9		
13.2	11.0	10.3	14.0	15.1	15.1	15.1	15.9	17.6	17.9	18.0	19.0	20.0		
13.0	11.0	10.5	14.3	15.0	15.1	15.2	16.0	17.8	17.9	18.0	19.2	20.1		
12.8	10.6	10.9	14.7	15.0	15.2	15.1	16.1	17.9	17.8	18.1	19.2	20.1		
12.1	10.5	11.1	15.0	15.0	15.1	15.1	16.3	18.0	17.7	18.2	19.5	20.1		
12.0	10.1	11.3	15.2	15.0	15.0	15.2	16.8	18.0	17.6	18.2	19.8	20.1		
11.7	10.1	11.8	15.1	15.0	15.0	15.3	16.9	18.0	17.6	18.4	19.8	20.1		
11.8	10.1	11.9	15.1	14.9	14.9	15.4	17.0	18.0	17.7	18.5	19.8	20.1		
11.5	10.1	12.3	15.0	14.8	14.9	15.4	17.1	17.9	17.7	18.6	19.8	20.1		
HORIZONTAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. = .00028.								
61.9	64.0	65.8	66.8	67.1	66.0	64.5	62.0	61.0	59.9	59.0	58.4	59.0		
62.0	64.1	65.8	67.0	67.0	66.0	64.1	62.0	61.0	59.9	59.0	58.7	59.2		
62.2	64.1	65.9	67.1	66.9	66.0	64.1	61.9	61.0	59.9	58.9	58.9	59.9		
62.8	64.8	66.0	67.2	66.8	65.9	63.9	61.9	60.9	59.7	58.8	59.1	59.8		
63.0	64.8	66.1	67.3	66.6	65.9	63.9	61.9	60.8	59.1	58.6	59.1	59.8		
63.1	64.9	66.1	67.4	66.4	65.6	63.3	61.9	61.0	59.0	58.5	59.0	59.8		
63.6	65.0	66.1	67.6	66.6	65.3	63.2	61.9	61.0	59.0	58.2	59.0	59.8		
63.9	65.0	66.1	67.2	66.4	65.1	63.0	61.5	60.3	58.9	58.1	59.0	59.6		
64.0	65.3	66.1	67.1	66.2	65.0	62.7	61.1	60.0	58.9	58.1	59.0	59.8		
64.0	65.8	66.4	67.1	66.1	64.9	62.2	61.0	60.0	58.7	58.1	59.0	59.9		
63.9	63.9	63.9	64.1	65.0	65.5	66.0	66.5	66.9	67.1	67.0	66.9	66.8		
VERTICAL FORCE.						Change in the magnetic moment of the Bar for 1° Fah. =								
55.7	55.7	55.7	55.7	55.2	56.0	55.9	56.2	56.1	56.1	56.1	56.1	55.9		
55.7	55.7	55.7	55.7	55.2	56.0	56.2	56.1	56.1	56.5	56.1	56.1	55.9		
55.7	55.8	55.7	55.7	55.3	56.0	56.2	56.1	56.1	56.5	56.1	56.1	55.9		
55.7	55.8	55.7	55.7	55.3	55.9	56.2	56.1	56.1	56.5	56.1	55.9	55.8		
55.7	55.8	55.7	55.7	55.3	55.9	56.2	56.1	56.1	56.5	56.1	55.9	55.8		
55.7	55.7	55.7	55.7	55.3	55.9	56.2	56.1	56.1	56.5	56.1	55.9	55.8		
55.7	55.7	55.7	55.7	55.7	55.9	56.2	56.1	56.1	55.5	56.1	55.9	55.8		
55.7	55.7	55.7	55.2	55.9	55.9	56.2	56.1	56.1	55.5	56.1	55.9	55.8		
55.7	55.7	55.7	55.0	56.0	55.9	56.2	56.1	56.1	55.5	56.1	55.9	55.8		
63.5	63.3	63.6	63.9	64.5	65.0	65.3	65.8	66.3	66.4	66.6	66.5	66.2		
Declination, and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.	Height of Clouds.	Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.								
D.	H.	M.	In.	°	°	°	Feet.							
21	22	0	28.259	61.9	57.9	S. 48 E.	2700+	1.0	Overcast; fair, strati.					
	23	0	28.255	63.6	58.8	S. 50 E.	2700+	1.0	Overcast; fair, strati.					
22	0	0	28.239	66.5	59.8	S. 52 E.	2700+	1.0	Overcast; strati and cumuli.					
	1	0	28.231	67.2	60.2	S. 59 E.	2700+	0.9	Fair, haze, cumuli, strati.					
	2	0	28.214	67.0	59.7	S. 18 E.	2700+	0.8	Fair, sun, cumuli, strati.					
	3	0	28.204	67.0	61.3	S. 49 E.	2700+	1.0	Overcast, fair, strati.					
	4	0	28.191	68.4	59.8	S. 41 E.	2700+	0.4	Fair, sun, strati, cumuli.					
	5	0	28.176	68.1	60.4	S. 42 E.	2700+	—	Fair, sun, strati, cumuli.					
	6	0	28.173	65.1	60.4	S. 46 E.	2700+	0.5	Fair, sun, cumuli.					
	7	0	28.190	63.6	59.8	S. 38 E.	2700+	0.9	Sky covered with strati, except a small portion in N. hor.					
	8	0	28.204	62.7	59.9	S. 42 E.	2700+	1.0	Overcast; stratus.					
	9	0	28.206	62.2	59.7	S. 32 E.	2100	1.0	Overcast; strati.					



ST. HELENA, 1842.

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METEOROLOGICAL OBSERVATIONS.



BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JANUARY.	1	·260	·222	·188	·176	·189	·218	·215	—	—	—	—	·2001	
	2	—	—	—	—	—	—	—	·178	·148	·181	·204	·222	
	3	·224	·202	·176	·185	·188	·214	·228	·201	·191	·221	·253	·275	·2132
	4	·277	·258	·228	·244	·241	·289	·289	·248	·232	·268	·320	·323	·2681
	5	·298	·270	·221	·209	·226	·272	·281	·253	·239	·265	·292	·304	·2608
	6	·295	·267	·232	·218	·244	·279	·287	·255	·228	·251	·275	·284	·2596
	7	·269	·238	·198	·198	·217	·259	·259	·216	·197	·232	·265	·291	·2366
	8	·291	·269	·230	·225	·247	·287	·285	—	—	—	—	—	·2584
	9	—	—	—	—	—	—	—	·241	·221	·243	·279	·283	·2506
	10	·264	·248	·214	·218	·253	·264	·269	·236	·219	·243	·279	·300	·2400
	11	·288	·262	·218	·220	·237	·251	·234	·220	·213	·223	·251	·263	·2482
	12	·251	·243	·217	·201	·219	·258	·270	·258	·237	·247	·277	·300	·2589
	13	·296	·267	·238	·221	·247	·284	·290	·249	·228	·228	·271	·288	·2455
	14	·280	·245	·200	·198	·223	·264	·274	·253	·224	·234	·283	·286	·1981
	15	·266	·245	·193	·163	·182	·223	·196	—	—	—	—	—	·1855
	16	—	—	—	—	—	—	—	·156	·147	·169	·207	·230	·1849
	17	·208	·187	·156	·147	·170	·200	·204	·179	·158	·177	·213	·226	·1963
	18	·204	·189	·157	·152	·163	·210	·208	·172	·156	·185	·211	·212	·1868
	19	·205	·192	·186	·176	·199	·215	·228	·190	·162	·172	·212	·219	·2234
	20	·213	·205	·183	·180	·189	·196	·187	·160	·143	·151	·199	·235	·2571
	21	·234	·222	·191	·176	·197	·244	·249	·224	·208	·216	·252	·268	·2444
	22	·274	·243	·215	·209	·223	·278	·286	—	—	—	—	—	·2404
	23	—	—	—	—	—	—	—	·284	·247	·253	·277	·296	·2621
	24	·291	·268	·237	·218	·224	·257	·255	·220	·211	·224	·254	·274	·2660
	25	·263	·232	·174	·189	·212	·252	·273	·239	·225	·243	·286	·297	·2411
	26	·291	·266	·240	·238	·255	·282	·285	·241	·219	·243	·289	·296	·1913
	27	·296	·280	·244	·232	·238	·280	·279	·258	·251	·257	·283	·294	·1998
	28	·275	·254	·214	·207	·216	·254	·255	·231	·219	—	·272	·255	·2315
	29	·226	·193	·162	·161	·197	·203	·198	—	—	—	—	—	·2315
	30	—	—	—	—	—	—	—	·171	·161	·179	·213	·232	·2315
	31	·220	·201	·171	·164	·182	·229	·217	·184	·165	·185	·237	·243	·2315
Hourly Means	·2599	·2372	·2032	·1971	·2145	·2485	·2500	·2199	·2019	·2210	·2559	·2691	·2315	
FEBRUARY.	1	·219	·203	·175	·175	·194	·226	·225	·197	·175	·190	·221	·222	
	2	·202	·165	·129	·124	·161	·201	·207	·167	·147	·175	·214	·225	
	3	·223	·189	·160	·154	·184	·217	·229	·193	·182	·195	·235	·251	
	4	·251	·225	·211	·186	·203	·227	·239	·206	·184	·182	·224	·242	
	5	·237	·224	·187	·181	·217	·253	·266	—	—	—	—	—	
	6	—	—	—	—	—	—	—	·188	·163	·192	·228	·250	
	7	·255	·239	·212	·189	·219	·241	·250	·221	·185	·199	·229	·266	
	8	·261	·233	·202	·196	·208	·231	·252	·231	·211	·225	·261	·275	
	9	·264	·233	·207	·193	·210	·240	·238	·209	·177	·171	·193	·220	
	10	·214	·184	·144	·144	·165	·214	·236	·202	·179	·185	·220	·247	
	11	·233	·202	·166	·158	·177	·215	·227	·180	·158	·188	·231	·263	
	12	·263	·225	·193	·192	·205	·225	·247	—	—	—	—	—	
	13	—	—	—	—	—	—	—	·247	·225	·238	·274	·294	
	14	·279	·238	·200	·184	·207	·227	·217	·181	·172	·179	·200	·231	
	15	·211	·174	·127	·118	·125	·168	·169	·129	·112	—	—	·186	
	16	·179	·163	·141	·133	·157	·175	·173	·145	·135	·144	·174	·202	
	17	·210	·178	·152	·134	·168	·203	·215	·174	·168	·186	·212	·200	
	18	·180	·159	·132	·125	·145	·174	·190	·159	·141	·162	·191	·208	
	19	·204	·177	·138	·153	·175	·226	·235	—	—	—	—	—	
	20	—	—	—	—	—	—	—	·218	·192	·188	·216	·234	
	21	·233	·193	·174	·162	·188	·221	·232	·204	·181	·175	·204	·235	
	22	·243	·226	·209	·207	·208	·243	·259	·238	·220	·232	·262	·294	
	23	·292	·270	·238	·237	·250	·277	·291	·271	·257	·251	·292	·331	
	24	·322	·284	·253	·244	·261	·289	·294	·256	·230	·259	·279	·307	
	25	·298	·260	·229	·217	·232	·255	·260	·239	·231	·216	·244	·256	
	26	·254	·224	·185	·170	·200	·228	·230	—	—	—	—	—	
	27	—	—	—	—	—	—	—	·202	·177	·194	·230	·257	
	28	·250	·217	·179	·177	·199	·225	·226	·204	·175	·191	·217	·231	
Hourly Means	·2407	·2119	·1810	·1730	·1941	·2250	·2336	·2025	·1824	·1964	·2283	·2470		

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MARCH.	1	·231	·191	·154	·142	·173	·201	·199	·170	·144	·158	·187	·221	·1809
	2	·203	·162	·126	·120	·149	·183	·185	·156	·150	·163	·200	·225	·1685
	3	·229	·200	·163	·164	·192	·233	·244	·223	·202	·212	·232	·259	·2128
	4	·248	·208	·165	·162	·188	·227	·238	·219	·181	·203	·220	·225	·2070
	5	·215	·165	·154	·155	·182	·220	·228	—	—	—	—	—	·2035
	6	—	—	—	—	—	—	—	·230	·204	·200	·230	·259	·2406
	7	·256	·226	·205	·203	·232	·276	·268	·232	·220	·229	·261	·279	·2335
	8	·266	·226	·205	·202	·221	·262	·263	·232	·204	·210	·245	·266	·2353
	9	·260	·218	·192	·188	·217	·252	·276	·228	·203	·227	·265	·298	·2670
	10	·298	·270	·238	·233	·265	·294	·303	·270	·235	·247	·261	·290	·2508
	11	·291	·258	·227	·217	·221	·266	·270	·240	·219	—	·261	·289	·2484
	12	·278	·246	·213	·207	·228	·255	·263	—	—	—	—	—	·2453
	13	—	—	—	—	—	—	—	·256	·234	·241	·267	·293	·2418
	14	·293	·262	·228	·225	·239	·259	·252	·237	·205	·227	·249	·268	·2400
	15	·270	·223	·195	·186	·226	·260	·268	·253	·229	·238	·265	·289	·2322
	16	·277	·230	·209	·207	·227	·254	·266	·231	·206	·227	·259	·287	·2167
	17	·276	·230	·201	·203	·217	·241	·250	·234	·211	·217	·237	·269	·2087
	18	·256	·209	·189	·178	·212	·226	·236	·218	·199	·211	224	·243	·2003
	19	·240	·210	·161	·167	·184	·220	·226	—	—	—	—	—	·1880
	20	—	—	—	—	—	—	—	·214	·191	·190	·235	·266	·2047
	21	·245	·202	·163	·163	·171	·206	·215	·189	·172	·186	·227	·265	·2081
	22	·254	·203	·160	·164	·188	·203	·199	·164	·129	·150	·203	·239	·1723
	23	·234	·188	·160	·158	·183	·218	·237	·220	·194	·184	·226	·254	·2187
	24	·260	·220	·193	·190	·221	·234	·238	·208	·159	·168	·181	·225	·2549
	25	·210	·165	·137	·137	·151	·171	·174	·163	·153	·173	·205	·229	·2695
	26	·224	·192	·179	·168	·174	·202	·238	—	—	—	—	—	·2555
	27	—	—	—	—	—	—	—	·252	·232	·231	·246	·286	·2238
	28	·272	·234	·198	·211	·235	·262	·279	·288	·259	·254	·269	·298	·2187
	29	·311	·276	·251	·243	·260	·299	·296	·270	·238	·242	·258	·290	·2549
	30	·278	·245	·221	·233	·253	·281	·288	·271	·242	·232	·248	·274	·2695
	31	·260	·227	·209	·191	·209	·256	·258	·224	·195	·196	·223	·238	·2555
Hourly Means	·2568	·2180	·1887	·1858	·2081	·2393	·2466	·2256	·2004	·2083	·2364	·2638	·2294	
APRIL.	1	·229	·194	·161	·159	·179	·205	·206	·191	·170	·187	·208	·231	·1933
	2	·228	·187	·175	·178	·191	·224	·226	—	—	—	—	—	·2162
	3	—	—	—	—	—	—	—	·237	·210	·222	·247	·270	·2265
	4	·270	·218	·210	·202	·215	·237	·242	·229	·207	·206	·238	·244	·2023
	5	·232	·189	·154	·175	·179	·230	·233	·199	·182	—	·208	·244	·1979
	6	·235	·197	·162	·161	·194	·216	·219	·186	·165	·179	·217	·244	·2217
	7	·247	·210	·175	·178	·202	·235	·237	·221	·201	·219	·256	·279	·2369
	8	·288	·249	·217	·223	·218	·244	·263	·243	·205	·197	·237	·259	·1960
	9	·238	·180	·157	·156	·181	·219	·227	—	—	—	—	—	·2338
	10	—	—	—	—	—	—	—	·179	·158	·180	·212	·265	·2390
	11	·260	·232	·190	·195	·210	·236	·258	·250	·221	·221	·257	·276	·2462
	12	·273	·242	·205	·207	·222	·246	·254	·243	·223	·224	·254	·275	·2104
	13	·281	·252	·223	·223	·221	·263	·270	·249	·225	·231	·241	·275	·1989
	14	·272	·225	·187	·178	·192	·235	·237	·202	·175	·177	·211	·234	·2151
	15	·227	·179	·151	·162	·185	·215	·220	·203	·180	·198	·226	·241	·2069
	16	·235	·198	·181	·181	·187	·225	·225	—	—	—	—	—	·2232
	17	—	—	—	—	—	—	—	·233	·217	·209	·233	·257	·2305
	18	·240	·188	·171	·182	·199	·233	·232	·210	·187	·187	·215	·239	·2786
	19	·231	·209	·185	·199	·216	·235	·238	·225	·199	·212	·253	·277	·2709
	20	·268	·221	·201	·208	·215	·240	·243	·237	·207	·207	·245	·273	·2443
	21	·289	·259	·236	·247	·262	·305	·306	·290	·269	·270	·303	·307	·2711
	22	·311	·270	·247	·249	·256	·295	·297	·253	·241	—	·276	·285	·2651
	23	·286	·250	·222	·221	·234	·248	·249	—	—	—	—	—	·2659
	24	—	—	—	—	—	—	—	·221	·210	·226	·262	·303	·2736
	25	·296	·264	·242	·245	·262	·290	·289	·266	·241	·256	·285	·317	·2652
	26	·313	·268	·230	·234	·249	·269	·272	·263	·244	—	·278	·296	·2654
	27	·290	·264	·231	·235	·242	·282	·289	·264	·245	·250	·284	·315	·2736
	28	·300	·266	·254	·240	·252	·271	·287	·283	·266	·266	·290	·308	·2652
	29	·292	·264	·234	·248	·257	·279	·268	·255	·244	·258	·278	·306	·2654
	30	·296	·253	·237	·246	·251	·284	·278	—	—	—	—	—	·2654
	31	—	—	—	—	—	—	—	·260	·249	·247	·272	·312	·2343
Hourly Means	·2664	·2280	·2015	·2051	·2181	·2485	·2525	·2343	·2131	·2186	·2495	·2743	·2343	

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
MAY.	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	·312	·263	·243	·240	·247	·278	·280	·238	·227	·246	·283	·312	·2641
	3	·306	·261	·230	·246	·259	·263	·273	·280	·257	·276	·287	·325	·2719
	4	·309	·272	·247	·244	·265	·290	·293	·282	·269	·273	·286	·307	·2781
	5	·298	·265	·237	·253	·261	·289	·282	·267	·241	·236	·270	·288	·2656
	6	·286	·261	·237	·244	·267	·310	·316	·277	·264	·269	·295	·324	·2792
	7	·315	·276	·252	·273	·294	·330	·318	—	—	—	—	—	·3009
	8	—	—	—	—	—	—	—	·313	·294	·291	·312	·343	·3127
	9	·348	·316	·284	·285	·291	·328	·329	·306	·282	·291	·329	·363	·3087
	10	·363	·320	·278	·283	·304	·317	·312	·287	·274	·297	·325	·344	·2714
	11	·333	·280	·244	·249	·267	·285	·282	·260	·241	·246	·276	·294	·2355
	12	·290	·259	·219	·223	·247	·255	·240	·214	·188	·196	·234	·261	·2122
	13	·243	·210	·174	·183	·182	·221	·226	·213	·183	·207	·236	·268	·2587
	14	·269	·234	·218	·223	·224	·257	·254	—	—	—	—	—	·2711
	15	—	—	—	—	—	—	—	·280	·264	·257	·297	·328	·2277
	16	·321	·291	·256	·269	·289	·301	·289	·241	·230	·232	·254	·280	·2277
	17	·275	·241	·213	·213	·230	·241	·225	·206	·188	·199	·239	·262	·2277
	18	·258	·226	·196	·193	·223	·246	·242	·232	·214	·218	·233	·251	·2358
	19	·250	·210	·189	·218	·240	·266	·267	—	·207	·210	·248	·289	·2580
	20	·288	·245	·223	·225	·235	·282	·288	·266	·228	·248	·274	·294	·2614
	21	·296	·269	·243	·241	·247	·253	·252	—	—	—	—	—	·2758
	22	—	—	—	—	—	—	—	·360	·241	·246	·284	·305	·2880
	23	·304	·273	·253	·251	·261	·286	·306	·276	·252	·260	·280	·308	·3267
	24	·310	·281	·252	·252	·271	·307	·310	·295	·265	·267	·305	·341	·3277
	25	·344	·317	·285	·296	·322	·345	·353	·325	·307	·311	·343	·372	·3035
	26	·377	·335	·301	·296	·324	·346	·350	·323	·294	·299	·331	·357	·3108
	27	·354	·323	·292	·291	·300	·312	·314	·282	·275	·265	·305	·329	·3077
	28	·326	·292	·269	·283	·312	·303	·321	—	—	—	—	—	·2981
	29	—	—	—	—	—	—	—	·328	·310	·309	·329	·348	·2762
	30	·341	·313	·285	·285	·294	·318	·321	·303	·287	·294	·308	·343	·3097
	31	·339	·294	·270	·276	·290	·317	·319	·287	·272	·283	·300	·330	·2762
Hourly Means	·3097	·2741	·2458	·2513	·2672	·2902	·2908	·2736	·2521	·2587	·2870	·3141	·2762	
JUNE.	1	·319	·291	·262	·280	·291	·298	·299	·289	·279	·293	·335	·378	·3012
	2	·366	·335	·326	·339	·348	·377	·365	·361	·348	·351	·378	·401	·3579
	3	·399	·361	·341	·352	·353	·394	·388	·375	·353	·348	·366	·400	·3692
	4	·399	·347	·323	·319	·327	·349	·350	—	—	—	—	—	·3178
	5	—	—	—	—	—	—	—	·273	·247	·257	·294	·329	·2962
	6	·332	·296	·261	·271	·269	·304	·305	·300	·287	·285	·299	·345	·3489
	7	·339	·324	·300	·294	·321	·361	·371	·363	·353	·359	·391	·411	·3920
	8	·418	·393	·370	·362	·385	·407	·411	·399	·372	·359	·384	·444	·3919
	9	·445	·418	·386	·385	·389	·407	·397	·384	·355	·351	·377	·409	·3567
	10	·400	·376	·357	·364	·369	·337	·362	·340	·315	·329	·346	·385	·3135
	11	·376	·338	·300	·308	·323	·328	·338	—	—	—	—	—	·2667
	12	—	—	—	—	—	—	—	·294	·273	·275	·289	·320	·2436
	13	·321	·276	·245	·261	·272	·278	·273	·260	·236	·240	·254	·285	·2397
	14	·269	·255	·226	·232	·255	·274	·265	·244	·214	·216	·230	·243	·2547
	15	·260	·228	·221	·223	·239	·247	·246	·235	·211	·229	·257	·280	·2633
	16	·278	·241	·230	·236	·251	·267	·264	·251	·232	·233	·274	·300	·2902
	17	·295	·267	·255	·258	·256	·269	·262	·248	·244	·244	·266	·296	·3168
	18	·293	·270	·248	·261	·287	·307	·300	—	—	—	—	—	·3532
	19	—	—	—	—	—	—	—	·299	·277	·279	·308	·354	·3796
	20	·343	·315	·283	·274	·294	·297	·322	·329	·309	·325	·343	·379	·3299
	21	·373	·335	·318	·318	·336	·364	·367	·355	·331	·343	·379	·419	·2691
	22	·415	·378	·354	·355	·369	·385	·407	·385	·359	·351	·379	·418	·2931
	23	·409	·360	·324	·315	·323	·333	·331	·312	·297	·298	·316	·341	·3091
	24	·335	·297	·259	·249	·251	·261	·262	·252	·235	·246	·269	·313	·2815
	25	·302	·282	·255	·250	·251	·276	·287	—	—	—	—	—	·3007
	26	—	—	—	—	—	—	—	·326	·318	·305	·309	·356	·3521
	27	·363	·335	·323	·319	·323	·324	·322	·292	·271	·258	·272	·307	·3150
	28	·323	·302	·280	·267	·277	·287	·274	·277	·255	·257	·271	·308	·3077
	29	·321	·290	·268	·288	·307	·321	·321	·289	·279	·283	·301	·341	·3007
	30	·341	·326	·308	·334	·354	·375	·375	·371	·342	·342	·361	·396	·3150
	Hourly Means	·3475	·3168	·2932	·2967	·3085	·3241	·3255	·3117	·2920	·2945	·3172	·3518	·3150

BAROMETRIC PRESSURE.														
Barometer at 32° = 28 English inches + the numbers in the Table.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	.395	.365	.363	.379	.399	.405	.393	.390	.372	.373	.407	.441	.3902
	2	.434	.395	.374	.383	.411	.432	.435	—	—	—	—	—	.3975
	3	—	—	—	—	—	—	—	.391	.365	.354	.382	.414	.3665
	4	.405	.367	.341	.357	.374	.389	.392	.366	.338	.333	.354	.382	.3366
	5	.368	.337	.310	.324	.331	.351	.357	.351	.317	.308	.326	.359	.3207
	6	.345	.327	.300	.310	.324	.337	.337	.320	.298	.292	.310	.348	.3368
	7	.342	.317	.294	.306	.325	.352	.359	.354	.331	.327	.355	.380	.3900
	8	.385	.356	.346	.361	.377	.407	.406	.385	.381	.388	.426	.462	.4550
	9	.472	.440	.431	.450	.468	.497	.488	—	—	—	—	—	.3978
	10	—	—	—	—	—	—	—	.456	.424	.433	.439	.462	.3605
	11	.455	.424	.400	.403	.403	.403	.404	.396	.372	.360	.364	.390	.3819
	12	.391	.359	.340	.334	.347	.369	.375	.359	.341	.343	.366	.402	.4103
	13	.397	.363	.350	.359	.381	.398	.404	.389	.365	.364	.388	.425	.3970
	14	.424	.396	.388	.394	.420	.428	.428	.408	.382	.388	.424	.444	.3462
	15	.433	.403	.381	.393	.405	.427	.420	.398	.364	.358	.375	.407	.3472
	16	.394	.355	.331	.341	.352	.376	.373	—	—	—	—	—	.3715
	17	—	—	—	—	—	—	—	.333	.309	.309	.323	.358	.4032
	18	.362	.335	.325	.342	.359	.381	.367	.341	.308	.316	.338	.392	.4291
	19	.396	.361	.347	.351	.372	.383	.390	.378	.348	.343	.374	.415	.4453
	20	.414	.393	.374	.360	.407	.428	.430	.409	.372	.385	.421	.445	.4290
	21	.446	.419	.407	.405	.422	.449	.448	.439	.406	.406	.437	.465	.3887
	22	.469	.443	.411	.426	.441	.463	.465	.459	.427	.418	.447	.475	.4192
	23	.482	.436	.424	.438	.462	.468	.461	—	—	—	—	—	.4354
	24	—	—	—	—	—	—	—	.402	.369	.380	.408	.418	.4090
	25	.413	.379	.352	.359	.369	.397	.409	.393	.378	.376	.404	.435	.3827
	26	.436	.402	.368	.395	.429	.438	.434	.427	.412	.407	.424	.459	.3712
	27	.464	.420	.405	.415	.432	.448	.451	.446	.426	.422	.431	.465	.3892
	28	.461	.424	.396	.394	.404	.418	.426	.397	.385	.385	.388	.430	.3698
	29	.428	.383	.357	.381	.389	.412	.401	.389	.351	.343	.353	.405	.3892
	30	.405	.375	.350	.345	.363	.386	.383	—	—	—	—	—	.3743
	31	—	—	—	—	—	—	—	.378	.349	.349	.364	.408	.3618
Hourly Means	.4160	.3836	.3640	.3733	.3910	.4093	.4091	.3905	.3650	.3638	.3857	.4187	.3568	
AUGUST.	1	.394	.366	.343	.350	.362	.387	.387	.371	.351	.343	.371	.412	.3698
	2	.409	.381	.355	.379	.382	.411	.403	.384	.367	.366	.398	.435	.3892
	3	.422	.371	.339	.342	.353	.383	.383	.383	.361	.366	.378	.411	.3743
	4	.408	.371	.337	.348	.361	.394	.387	.363	.345	.341	.360	.396	.3676
	5	.393	.355	.335	.345	.354	.374	.389	.373	.348	.330	.350	.396	.3618
	6	.403	.373	.344	.345	.356	.380	.370	—	—	—	—	—	.3570
	7	—	—	—	—	—	—	—	.340	.331	.320	.347	.375	.3545
	8	.382	.343	.332	.339	.352	.376	.374	.358	.321	.330	.357	.390	.3616
	9	.394	.360	.329	.339	.351	.384	.390	.375	.338	.338	.362	.379	.3394
	10	.382	.341	.311	.311	.339	.352	.355	.340	.328	.324	.326	.364	.3258
	11	.365	.331	.307	.305	.333	.346	.346	.322	.294	.297	.318	.345	.3181
	12	.343	.310	.293	.299	.317	.350	.349	.327	.284	.284	.315	.346	.3426
	13	.343	.301	.285	.294	.323	.346	.346	—	—	—	—	—	.3683
	14	—	—	—	—	—	—	—	.350	.344	.360	.396	.423	.3956
	15	.408	.383	.354	.356	.371	.359	.355	.342	.346	.340	.380	.425	.4175
	16	.427	.393	.371	.377	.386	.407	.431	.374	.356	.374	.408	.443	.4093
	17	.441	.404	.387	.393	.408	.430	.432	.415	.398	.400	.440	.462	.3686
	18	.459	.429	.394	.390	.410	.426	.435	.404	.381	.369	.396	.418	.3704
	19	.413	.389	.340	.358	.367	.392	.395	.364	.341	.335	.345	.384	.3473
	20	.386	.365	.344	.354	.371	.394	.406	—	—	—	—	—	.3162
	21	—	—	—	—	—	—	—	.384	.358	.340	.360	.383	.3178
	22	.381	.358	.344	.340	.361	.365	.368	.340	.314	.313	.322	.361	.3417
	23	.358	.339	.303	.299	.308	.330	.334	.315	.290	.278	.302	.338	.3402
	24	.341	.310	.293	.304	.293	.319	.326	.312	.304	.300	.338	.374	.3346
	25	.382	.347	.317	.310	.324	.342	.352	.330	.312	.314	.351	.419	.3486
	26	.390	.353	.338	.345	.347	.355	.353	.330	.312	.295	.315	.349	.3398
	27	.354	.337	.315	.327	.331	.335	.326	—	—	—	—	—	.3269
	28	—	—	—	—	—	—	—	.332	.326	.320	.344	.368	.3892
	29	.363	.339	.306	.328	.342	.378	.392	.360	.334	.326	.349	.366	.3698
	30	.354	.327	.315	.332	.351	.376	.368	.345	.312	.301	.335	.362	.3269
	31 <sup>a</sup>	.368	.329	.305	.301	.307	.334	.344	—	—	—	—	—	.3568
Hourly Means	.3883	.3568	.3320	.3388	.3520	.3727	.3751	.3551	.3345	.3309	.3563	.3894	.3568	

<sup>a</sup> Not included in the means.

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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
SEPTEMBER.	1	—	·326	·307	·297	·290	·287	·289	·289	·307	·322	·322	·324
	2	·357	·341	·314	·297	·288	·297	·304	·311	·327	·339	·341	·353
	3	·358	·344	·333	·311	·303	·309	·315	·319	·339	·354	·366	·368
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	·324	·320	·307	·291	·283	·285	·280	·277	·276	·288	·299	·304
	6	·333	·328	·311	·299	·289	·295	·293	·305	·314	·332	·343	·351
	7	·348	·336	·312	·291	·278	·274	·273	·281	·296	·323	·333	·344
	8	·346	·338	·327	·305	·294	·292	·303	·309	·325	·344	·355	·368
	9	·372	·359	·349	·335	·323	·320	·332	·339	·356	·375	·393	·403
	10	·389	·369	·355	·352	·340	·335	·347	·354	·384	·391	·411	·408
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	·340	·324	·307	·292	·284	·280	·287	·302	·320	·332	·344	·340
	13	·316	·299	·279	·255	·239	·236	·245	·248	·263	·285	·292	·293
	14	·302	·289	·270	·248	·257	·249	·255	·276	·293	·303	·317	·330
	15	·329	·309	·296	·291	·287	·287	·299	·315	·325	·337	·342	·343
	16	·337	·320	·299	·279	·277	·266	·274	·298	·320	·336	·342	·335
	17	·327	·308	·297	·287	·279	·275	·281	·289	·298	·309	·321	·327
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	·346	·339	·320	·304	·294	·292	·294	·313	·327	·344	·362	·374
	20	·375	·349	·342	·322	·312	·318	·312	·330	·343	·354	·373	·371
	21	·379	·361	·342	·316	·306	·306	·316	·333	·347	·359	·374	·380
	22	·360	·351	·330	·310	·298	·306	·312	·321	·335	·351	·362	·362
	23	·338	·322	·306	·287	·282	·281	·293	·297	·307	·310	·320	·324
	24	·330	·305	·288	·276	·263	·255	·267	·277	·283	·298	·313	·308
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	·283	·269	·257	·246	·239	·241	·253	·268	·292	·304	·317	·313
	27	·289	·286	·272	·247	·231	·225	·223	·241	·274	·275	·288	·295
	28	·267	·250	·241	·230	·226	·224	·233	·249	·253	·253	·267	·271
	29	·240	·228	·221	·202	·210	·212	·219	·224	·230	·251	·255	·257
	30	·268	·249	·233	·213	·195	·193	·195	·202	·217	·242	·271	·276
Hourly Means	·3301	·3161	·3006	·2839	·2757	·2746	·2805	·2910	·3058	·3197	·3317	·3355	
OCTOBER.	1	·329	·305	·291	·275	·265	·255	·255	·280	·295	·308	·328	·335
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	·341	·324	·300	·271	·273	·255	·283	·281	·296	·300	·306	·309
	4	·293	·272	·255	·251	·235	·230	·236	·243	·259	·281	·294	·300
	5	·325	·308	·291	·281	·265	·266	·274	·296	·301	·297	·310	·319
	6	·285	·283	·260	·238	·230	·231	·251	·262	·269	·286	·297	·293
	7	·308	·302	·285	·263	·256	·262	·272	·286	·301	·309	·323	·329
	8	·337	·327	·306	·284	·273	·275	·271	·284	·295	·309	·309	·322
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	·307	·287	·276	·255	·255	·261	·267	·268	·281	·296	·307	·321
	11	·353	·347	·334	·311	·301	·297	·313	·317	·330	·347	·361	·373
	12	·350	·334	·321	·299	·301	·297	·293	·299	·325	·326	·318	·316
	13	·305	·284	·261	·247	·228	·226	·226	·233	·242	·261	·259	·261
	14	·261	·252	·240	·215	·222	·223	·227	·242	·257	·267	·276	·287
	15	·284	·265	·253	·237	·234	·231	·235	·247	·258	·280	·284	·286
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	·298	·286	·276	·254	·232	·233	·249	·260	·283	·291	·297	·297
	18	·305	·287	·269	·249	·236	·238	·235	·243	·253	·258	·270	·279
	19	·293	·287	·263	·251	·236	·232	·237	·255	·267	·272	·288	·291
	20	·309	·305	·289	·281	·264	·258	·264	·265	·272	·295	·309	·315
	21	·334	·323	·308	·288	·266	·272	·280	·284	·293	·305	·305	·308
	22	·316	·309	·299	·276	·255	·260	·258	·274	·279	·287	·296	·301
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	·286	·279	·258	·244	·242	·248	·256	·258	·273	·287	·300	·304
	25	·299	·293	·272	·253	·250	·250	·253	·262	·280	·288	·303	·313
	26	·322	·312	·289	·281	·275	·271	·275	·283	·297	·304	·312	·323
	27	·322	·309	·295	·291	·281	·272	·265	·269	·283	·288	·299	·300
	28	·322	·303	·288	·276	·263	·261	·259	·263	·268	·285	·293	·297
	29	·301	·287	·270	·252	·246	·246	·250	·260	·279	·289	·288	·294
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	·275	·262	·250	·236	·218	·209	·212	·223	·242	·263	·271	·285
Hourly Means	·3100	·2974	·2807	·2638	·2540	·2523	·2575	·2663	·2795	·2910	·3001	·3061	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
·322	·313	·307	·299	·289	·292	·306	·312	·333	·347	·361	·366	·3133
·355	·342	·330	·312	·300	·309	·311	·318	·334	·349	·362	·372	·3276
·364	—	—	—	—	—	—	—	—	—	—	—	·3228
—	·328	·316	·295	·294	·282	·288	·290	·302	·310	·328	·332	
·306	·303	·293	·275	·273	·263	·272	·270	·280	·296	·318	·335	·2924
·343	·339	·325	·305	·290	·286	·292	·299	·313	·328	·332	·345	·3163
·346	·342	·327	·312	·302	·293	·293	·303	·322	·338	·353	·359	·3158
·376	·362	·354	·340	·325	·322	·313	·337	·354	·382	·380	·382	·3389
·405	·404	·382	·364	·352	·340	·344	·358	·372	·388	·394	·398	·3649
·394	—	—	—	—	—	—	—	—	—	—	—	·3536
—	·360	·352	·338	·310	·305	·306	·314	·328	·342	·354	·348	
·336	·322	·291	·279	·281	·279	·284	·299	·316	·329	·325	·330	·3093
·298	·291	·274	·266	·254	·254	·260	·280	·290	·305	·306	·310	·2766
·326	·316	·304	·294	·290	·278	·286	·301	·323	·329	·332	·336	·2960
·345	·342	·306	·296	·284	·271	·280	·298	·312	·328	·338	·339	·3125
·331	·315	·313	·299	·280	·265	·270	·266	·296	·316	·324	·331	·3037
·319	—	—	—	—	—	—	—	—	—	—	—	·3112
—	·335	·312	·302	·298	·284	·294	·318	·340	·352	·361	·355	
·365	·354	·340	·324	·326	·326	·328	·332	·352	·362	·374	·378	·3362
·369	·369	·359	·339	·340	·338	·348	·352	·362	·381	·384	·381	·3510
·379	·375	·353	·333	·315	·309	·311	·321	·337	·337	·349	·359	·3415
·355	·345	·325	·300	·291	·285	·293	·301	·313	·336	·336	·341	·3258
·322	·302	·279	·263	·247	·259	·264	·280	·292	·324	·333	·335	·2986
·304	—	—	—	—	—	—	—	—	—	—	—	·2700
—	·259	·235	·224	·214	·215	·221	·237	·256	·275	·287	·290	
·309	·296	·274	·258	·257	·251	·254	·261	·275	·285	·293	·296	·2746
·285	·280	·258	·245	·231	·217	·237	·248	·260	·271	·285	·281	·2602
·252	·247	·234	·218	·212	·211	·207	·227	·235	·257	·254	·254	·2405
·246	·236	·206	·188	·184	·184	·197	·211	·239	·259	·271	·276	·2269
·274	·270	·260	·252	·250	·250	·262	·283	·295	·322	·334	·332	·2558
·3318	·3210	·3042	·2892	·2803	·2757	·2816	·2929	·3089	·3249	·3334	·3369	·3052
·335	—	—	—	—	—	—	—	—	—	—	—	·3082
—	·333	·310	·301	·295	·289	·307	·317	·331	·347	·356	·356	
·303	·288	·262	·248	·235	·233	·243	·256	·281	·296	·309	·301	·2831
·299	·279	·265	·248	·242	—	·261	·263	·295	·311	·325	·333	·2726
·307	·297	·282	·265	·255	·243	·248	·259	·271	·282	·290	·293	·2844
·299	·281	·268	·264	·260	·261	·277	·279	·293	·297	·309	·315	·2745
·322	·310	·292	·269	·251	·259	·259	·283	·305	·327	·341	·330	·2935
·306	—	—	—	—	—	—	—	—	—	—	—	·2898
—	·283	·277	·259	·241	·264	·270	·282	·293	·307	·309	·310	
·316	·310	·301	·289	·289	·289	·293	·309	·332	·352	·359	·359	·2991
·367	·345	·343	·319	·311	·307	·325	·331	·349	·359	·354	·359	·3355
·300	·290	·277	·257	·243	·225	·243	·271	·287	·299	·311	·324	·2961
·244	·228	·217	·206	·191	·187	·197	·209	·236	·250	·271	·272	·2392
·285	·275	·259	·232	·226	·227	·238	·248	·270	·299	·302	·298	·2553
·277	—	—	—	—	—	—	—	—	—	—	—	·2613
—	·274	·263	·240	·234	·228	·247	·267	·279	·285	·292	·292	
·276	·256	·249	·230	·225	·225	·233	·251	·277	·295	·304	·313	·2662
·277	·267	·251	·239	·229	·232	·243	·269	·288	·296	·296	·295	·2627
·299	·291	·274	·244	·237	·245	·248	·260	·278	·304	·315	·314	·2700
·320	·303	·281	·268	·261	·279	·277	·284	·312	·324	·333	·331	·2916
·300	·289	·275	·265	·255	·265	·271	·275	·297	·303	·312	·315	·2912
·293	—	—	—	—	—	—	—	—	—	—	—	·2714
—	·265	·253	·237	·227	·224	·232	·248	·266	·277	·291	·290	
·293	·273	·261	·236	·223	·235	·245	·255	·281	·291	·301	·303	·2680
·307	·292	·284	·268	·258	·253	·262	·283	·300	·310	·321	·323	·2824
·309	·295	·280	·270	·252	·252	·259	·277	·289	·310	·326	·337	·2917
·293	·287	·263	·245	·232	·241	·233	·249	·274	·299	·314	·330	·2806
·292	·285	·261	·251	·243	·243	·260	·281	·295	·306	·317	·313	·2804
·284	—	—	—	—	—	—	—	—	—	—	—	·2645
—	·273	·249	·233	·231	·230	·240	·253	·263	·272	·279	·279	
·273	·249	·235	·223	·207	·209	·210	·222	·240	·252	·260	·251	·2407
·2991	·2853	·2705	·2541	·2443	·2458	·2547	·2685	·2878	·3019	·3114	·3129	·2790

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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
NOVEMBER.	1	.242	.228	.205	.190	.180	.170	.172	.180	.201	.213	.220	.230
	2	.209	.195	.177	.161	.153	.135	.135	.138	.150	.171	.179	.187
	3	.238	.225	.200	.175	.156	.152	.170	.178	.186	.199	.219	.228
	4	.264	.245	.230	.217	.210	.208	.213	.215	.234	.249	.259	.257
	5	.295	.284	.265	.251	.235	.230	.229	.236	.235	.257	.274	.276
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	.252	.250	.235	.231	.223	.223	.229	.235	.237	.241	.253	.261
	8	.293	.287	.270	.253	.241	.237	.239	.242	.255	.269	.275	.276
	9	.299	.283	.269	.259	.256	.256	.264	.283	.292	.309	.329	.339
	10	.322	.308	.288	.275	.267	.273	.267	.267	.278	.289	.294	.306
	11	.296	.286	.260	.243	.233	.221	.223	.228	.232	.250	.268	.271
	12	.286	.262	.247	.237	.231	.230	.241	.247	.261	.282	.280	.284
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	.290	.278	.267	.251	.237	.233	.242	.251	.270	.270	.278	.286
	15	.272	.266	.246	.225	.207	.199	.193	.196	.211	.218	.222	.227
	16	.267	.260	.240	.223	.214	.209	.209	.210	.226	.239	.260	.264
	17	.253	.243	.226	.200	.198	.189	.193	.199	.199	.212	.224	.230
	18	.253	.244	.232	.213	.201	.193	.199	.203	.217	.239	.250	.257
	19	.276	.258	.242	.230	.209	.204	.214	.218	.218	.247	.261	.274
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	.247	.230	.215	.197	.194	.178	.178	.184	.193	.207	.233	.247
	22	.247	.244	.231	.217	.199	.198	.198	.219	.234	.244	.265	.273
	23	.277	.266	.251	.243	.235	.223	.227	.234	.250	.282	.293	.299
	24	.279	.266	.261	.245	.239	.239	.245	.255	.269	.286	.303	.303
	25	.321	.307	.289	.265	.253	.242	.246	.259	.278	.296	.303	.305
	26	.301	.293	.286	.267	.250	.243	.238	.249	.261	.281	.284	.297
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	.341	.335	.319	.296	.280	.274	.275	.282	.304	.327	.347	.353
	29	.337	.320	.301	.276	.263	.253	.254	.263	.284	.303	.321	.325
	30	.344	.325	.307	.289	.269	.269	.257	.257	.271	.292	.295	.300
Hourly Means	.2808	.2688	.2523	.2357	.2243	.2185	.2211	.2280	.2402	.2566	.2688	.2752	
DECEMBER.	1	.324	.315	.291	.285	.283	.258	.261	.279	.283	.314	.317	.333
	2	.307	.292	.282	.268	.259	.252	.253	.271	.293	.313	.324	.342
	3	.320	.306	.300	.283	.261	.249	.241	.243	.251	.266	.283	.289
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	.265	.252	.241	.227	.223	.208	.204	.219	.231	.249	.256	.259
	6	.282	.276	.267	.249	.241	.229	.231	.251	.270	.287	.312	.322
	7	.306	.299	.280	.267	.247	.241	.245	.249	.261	.272	.287	.300
	8	.301	.280	.269	.249	.235	.225	.230	.229	.239	.261	.274	.280
	9	.296	.280	.260	.247	.229	.212	.220	.229	.247	.275	.290	.292
	10	.249	.247	.228	.202	.181	.173	.172	.182	.193	.204	.218	.227
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	.297	.289	.281	.259	.247	.239	.249	.259	.279	.295	.301	.315
	13	.304	.293	.277	.260	.249	.236	.241	.247	.258	.280	.289	.297
	14	.315	.305	.287	.277	.254	.248	.252	.269	.287	.295	.315	.322
	15	.329	.327	.298	.276	.262	.247	.242	.251	.258	.266	.280	.289
	16	.303	.294	.279	.256	.237	.222	.212	.215	.219	.228	.240	.249
	17	.269	.249	.228	.200	.184	.179	.186	.204	.218	.225	.240	.253
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	.285	.279	.257	.243	.226	.204	.211	.221	.219	.237	.238	.239
	20	.240	.229	.211	.187	.170	.154	.162	.176	.192	.205	.220	.231
	21	.242	.231	.219	.198	.186	.178	.182	.190	.193	.203	.205	.219
	22	.239	.231	.214	.204	.191	.176	.173	.190	.204	.206	.217	.232
	23	.246	.234	.222	.206	.194	.187	.197	.205	.218	.235	.246	.261
	24	.241	.240	.227	.211	.188	.182	.185	.193	.207	.218	.221	.226
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	.310	.310	.292	.286	.262	.250	.264	.276	.294	.306	.314	.320
	27	.363	.343	.328	.320	.307	.287	.301	.314	.332	.340	.344	.349
	28	.322	.296	.288	.279	.260	.236	.237	.254	.275	.291	.302	.318
	29	.304	.292	.274	.255	.238	.230	.239	.257	.270	.278	.292	.303
	30	.326	.315	.302	.279	.268	.265	.280	.293	.299	.308	.327	.338
	31	.357	.354	.340	.324	.314	.290	.301	.317	.325	.342	.354	.360
Hourly Means	.2941	.2836	.2682	.2517	.2369	.2243	.2286	.2401	.2524	.2666	.2780	.2876	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
·234	·209	·195	·177	·163	·157	·175	·192	·204	·210	·222	·221	·1996
·185	·184	·160	·154	·161	·173	·187	·199	·221	·245	·253	·253	·1819
·236	·227	·217	·211	·204	·209	·219	·229	·249	·263	·281	·276	·2145
·258	·250	·234	·214	·213	·215	·227	·245	·267	·289	·293	·295	·2417
·272	—	—	—	—	—	—	—	—	—	—	—	·2434
—	·248	·227	·206	·205	·202	·202	·221	·239	·247	·256	·250	·2393
·254	·242	·217	·192	·190	·196	·208	·240	·260	·278	·300	·296	·2602
·262	·252	·235	·228	·222	·222	·240	·256	·281	·295	·308	·308	·2957
·333	·314	·300	·286	·276	·272	·277	·299	·314	·326	·332	·331	·2799
·296	·276	·264	·250	·245	·242	·254	·273	·285	·295	·303	·300	·2499
·264	·261	·245	·227	·219	·223	·225	·239	·249	·261	·283	·291	·2575
·281	—	—	—	—	—	—	—	—	—	—	—	·2563
—	·260	·243	·235	·231	·230	·229	·249	·264	·288	·294	·289	·2217
·268	·254	·251	·239	·227	·217	·216	·238	·250	·268	·284	·287	·2369
·228	·215	·203	·191	·187	·186	·197	·206	·236	·254	·273	·263	·2176
·264	·252	·238	·225	·219	·215	·217	·221	·237	·249	·261	·267	·2365
·230	·216	·192	·189	·191	·197	·207	·221	·241	·255	·259	·259	·2347
·255	·246	·230	·209	·214	·223	·234	·252	·266	·278	·280	·287	·2102
·264	—	—	—	—	—	—	—	—	—	—	—	·2359
—	·258	·243	·213	·203	·189	·201	·221	·235	·249	·255	·251	·2568
·245	·229	·207	·191	·180	·187	·187	·205	·221	—	·243	·236	·2780
·260	·245	·227	·212	·209	·209	·210	·238	·248	·266	·284	·285	·2825
·296	·270	·254	·234	·221	·213	·226	·245	·257	·279	·295	·293	·2865
·303	·286	·269	·256	·257	·262	·279	·294	·306	·322	·327	·322	·3143
·303	·287	·272	·255	·253	·256	·264	·282	·298	·314	·320	·313	·3009
·293	—	—	—	—	—	—	—	—	—	—	—	·2896
—	·308	·289	·272	·256	·258	·280	·301	·327	·346	·350	·346	·2509
·347	·329	·311	·295	·283	·280	·290	·306	·326	·341	·351	·351	·2955
·325	·313	·295	·283	·268	·276	·283	·302	·328	·344	·353	·351	·2956
·299	·292	·274	·262	·257	·264	·274	·293	·309	·315	·315	·322	·2636
·2713	·2586	·2420	·2271	·2213	·2220	·2312	·2487	·2661	·2831	·2913	·2901	·2364
·336	·310	·290	·282	·268	·263	·269	·289	·307	·314	·315	·307	·2805
·330	·316	·296	·281	·273	·277	·279	·297	·309	·321	·331	·328	·2706
·286	—	—	—	—	—	—	—	—	—	—	—	·2637
—	·255	·234	·228	·228	·234	·235	·253	·266	·272	·274	·270	·2536
·253	·243	·231	·209	·199	·194	·210	·228	·252	·264	·272	·284	·2292
·318	·302	·276	·272	·265	·274	·278	·290	·296	·304	·323	·318	·2815
·290	·272	·250	·236	·230	·235	·251	·265	·288	·306	·311	·307	·2710
·272	·254	·246	·242	·240	·244	·256	·281	·299	·309	·305	·307	·2930
·289	·269	·239	·221	·220	·232	·239	·249	·256	·266	·268	·261	·2786
·217	—	—	—	—	—	—	—	—	—	—	—	·2371
—	·267	·247	·227	·220	·218	·233	·252	·269	·282	·290	·302	·2294
·307	·294	·275	·265	·255	·255	·270	·284	·306	·318	·313	·304	·2255
·281	·267	·257	·235	·222	·232	·250	·279	·298	·312	·321	·318	·2108
·315	·297	·271	·259	·253	·263	·288	·308	·330	·346	·344	·331	·2127
·284	·278	·261	·253	·247	·249	·265	·281	·301	·309	·317	·316	·2164
·245	·238	·207	·189	·186	·185	·203	·221	·247	·265	·275	·275	·2267
·254	—	—	—	—	—	—	—	—	—	—	—	·2352
—	—	·209	·193	·191	·195	·215	·248	·270	·283	·289	·295	·3033
·236	·221	·199	·187	·169	·172	·186	·221	·227	·247	·245	·242	·3203
·235	·215	·199	·188	·193	·201	·215	·238	·249	·252	·252	·245	·2881
·219	·209	·197	·192	·187	·197	·209	·227	·251	·257	·259	·255	·2764
·230	·216	·207	·199	·192	·203	·217	·234	·251	·258	·261	·248	·3067
·246	·237	·224	·211	·201	·204	·212	·235	·252	·258	·263	·246	·2975
·220	—	—	—	—	—	—	—	—	—	—	—	·2633
—	·221	·211	·215	·215	·226	·256	·279	·301	·315	·328	·319	·2824
·312	·300	·285	·291	·279	·275	·295	·323	·335	·355	·367	·377	·2691
·344	·328	·316	·298	·286	·277	·292	·306	·321	·331	·329	·331	·2501
·330	·319	·293	·277	·259	·259	·279	·291	·303	·309	·321	·317	·2383
·295	·284	·274	·256	·248	·242	·257	·280	·299	·313	·327	·327	·2307
·334	·316	·298	·287	·277	·265	·281	·301	·333	·351	·357	·360	·2330
·346	·268	·261	·241	·226	·219	·237	·259	·275	·277	·283	·271	·2473
·2824	·2691	·2501	·2383	·2307	·2330	·2473	·2674	·2849	·2961	·3015	·2986	·2674



STANDARD THERMOMETER.														
Hours of Mean Göttingen Time. }	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
JANUARY.	1	66.8	68.3	68.5	66.8	62.6	61.6	61.6	—	—	—	—	63.49	
	2	—	—	—	—	—	—	—	61.6	60.5	60.0	60.9	62.7	
	3	63.9	64.4	63.4	61.7	60.6	60.6	60.3	60.0	59.6	59.6	59.8	62.5	61.37
	4	65.2	65.0	63.6	62.6	61.3	61.0	60.7	60.6	60.3	60.4	60.6	63.8	62.09
	5	66.1	69.4	69.0	65.9	61.8	61.4	61.0	60.8	60.2	59.7	60.2	61.6	63.09
	6	64.1	65.0	65.1	63.4	59.7	60.5	60.5	60.3	60.3	59.8	60.1	61.4	61.68
	7	62.2	65.2	62.5	61.8	60.2	60.7	59.6	59.7	59.6	59.6	59.1	60.5	60.89
	8	61.1	64.2	64.5	63.1	60.5	61.0	60.7	—	—	—	—	—	61.72
	9	—	—	—	—	—	—	—	60.9	60.5	60.5	61.0	62.6	—
	10	66.6	68.7	68.0	66.4	62.3	62.0	61.2	60.8	61.0	60.4	61.3	63.6	63.52
	11	68.0	69.6	68.7	65.1	62.7	61.5	61.0	60.5	60.4	60.1	61.1	64.8	63.62
	12	68.6	70.6	70.2	67.6	62.7	62.0	61.4	61.6	61.6	60.2	61.8	62.9	64.27
	13	66.6	71.5	65.0	65.0	62.8	62.4	61.6	62.0	61.8	61.6	62.0	64.7	63.92
	14	66.5	67.2	69.9	65.2	62.7	62.7	62.6	61.6	61.1	60.9	61.3	62.6	63.69
	15	65.7	67.7	68.4	67.2	63.2	62.6	61.8	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	61.3	60.0	59.7	59.7	62.7	63.33
	17	67.4	65.3	69.0	66.8	63.1	63.7	62.4	62.0	61.8	61.8	62.1	63.7	64.09
	18	65.7	67.0	66.0	64.9	63.6	62.7	62.6	62.3	62.0	—	62.1	63.6	63.86
	19	64.6	65.6	65.2	64.0	62.6	62.4	62.5	62.0	61.5	60.9	62.2	63.4	63.07
	20	64.6	64.3	63.2	63.7	62.3	61.5	61.2	61.1	61.0	60.7	61.4	63.3	62.36
	21	66.7	66.8	68.3	66.3	63.0	62.7	62.6	62.4	62.2	62.0	—	64.5	64.33
	22	68.4	69.1	67.7	66.7	63.6	63.0	62.7	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	62.1	62.2	62.0	62.3	65.5	64.60
	24	68.8	71.4	72.0	68.8	64.2	62.8	61.8	61.7	61.9	62.2	62.8	65.2	65.30
	25	68.7	71.2	72.5	70.8	66.0	64.0	63.7	63.5	63.2	62.7	63.5	65.3	66.26
	26	67.5	71.6	70.6	68.1	65.0	64.2	64.1	63.7	63.6	63.6	64.0	65.9	65.99
	27	67.7	70.2	68.7	67.7	64.3	64.2	63.9	63.1	62.6	62.8	63.6	64.1	65.24
	28	67.1	68.1	70.6	66.3	64.3	63.0	63.0	62.3	62.1	—	62.2	64.7	64.88
	29	68.2	69.9	70.4	69.2	65.0	63.9	63.7	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	62.8	63.4	63.6	64.1	68.3	66.04
	31	70.8	71.7	73.2	72.0	66.5	65.6	65.0	64.5	64.0	64.1	63.8	64.6	67.15
Hourly Means	66.45	68.04	67.85	66.04	62.95	62.45	62.05	61.74	61.48	61.20	61.72	63.79	63.84	
FEBRUARY.	1	67.9	69.7	70.1	68.1	65.8	65.3	64.8	64.5	64.6	64.0	64.4	67.4	66.38
	2	68.3	70.0	69.4	66.7	65.6	65.5	65.0	64.4	64.1	63.9	63.6	64.5	65.92
	3	66.0	67.1	67.4	65.8	64.0	64.2	64.3	64.0	63.0	62.6	62.8	63.8	64.58
	4	65.9	65.3	63.6	64.2	62.7	63.0	63.2	62.6	62.0	62.3	62.9	64.0	63.47
	5	64.7	65.0	66.5	65.4	63.7	63.1	62.8	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	63.0	62.5	61.7	63.0	64.4	63.82
	7	67.4	70.1	72.5	67.5	65.0	64.7	64.3	64.0	63.4	63.5	63.4	64.2	66.05
	8	71.2	69.7	68.5	65.7	64.5	64.0	63.8	63.7	63.5	63.0	63.1	64.8	65.46
	9	65.7	65.7	65.7	65.4	64.5	64.0	64.0	63.8	63.2	63.1	62.9	65.2	64.43
	10	67.7	68.0	67.8	66.8	65.0	64.8	64.6	63.9	63.2	64.2	64.2	65.3	65.46
	11	66.7	68.7	69.4	66.2	65.0	64.8	64.9	64.7	64.5	63.4	62.7	64.4	65.45
	12	65.1	67.2	67.0	67.0	64.6	64.5	64.0	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	63.2	62.8	62.2	62.4	63.8	64.48
	14	66.2	67.8	68.2	66.6	64.0	63.8	63.3	63.3	63.5	62.4	62.5	64.0	64.63
	15	65.3	66.5	65.7	64.7	64.2	63.7	63.8	63.6	64.1	—	—	65.1	64.67
	16	65.1	65.1	65.0	65.2	64.4	64.4	64.4	63.7	64.1	64.0	63.8	64.0	64.43
	17	65.0	64.6	65.6	65.4	64.4	63.7	64.7	63.6	63.5	63.5	63.2	64.4	64.30
	18	65.1	67.2	67.6	65.8	63.9	63.5	62.8	63.0	62.6	62.5	62.7	65.4	64.34
	19	68.3	69.2	69.9	66.2	64.3	63.7	63.6	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	62.4	62.2	62.3	62.7	64.4	64.93
	21	68.2	70.4	70.8	68.4	64.5	64.2	64.3	64.3	63.6	63.5	63.7	67.2	66.09
	22	66.8	68.6	69.8	67.7	65.6	65.2	64.4	63.8	63.7	63.7	63.7	66.0	65.75
	23	71.0	72.4	70.8	70.6	66.0	65.0	65.0	63.9	63.7	63.2	62.7	65.6	66.66
	24	69.5	70.0	70.6	68.6	65.7	64.5	63.7	63.7	63.4	63.0	63.8	66.7	66.10
	25	69.6	72.8	71.6	68.0	65.6	65.2	64.4	64.0	63.8	63.6	63.7	65.9	66.52
	26	68.3	69.8	70.2	67.4	65.0	64.5	63.9	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	62.0	62.1	61.7	62.3	66.8	65.33
	28	69.3	71.6	69.4	69.0	65.2	63.4	62.7	62.2	61.7	61.9	61.6	67.4	65.45
Hourly Means	67.26	68.44	68.46	66.77	64.72	64.28	64.03	63.55	63.28	63.01	63.16	65.27	65.20	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21
MARCH.	1	71°0	73°2	75°0	71°5	67°4	66°0	66°4	64°9	65°1	64°8	65°5	67°8	68°22
	2	71°7	71°7	71°7	66°9	66°8	66°2	65°6	65°5	65°3	64°9	65°8	69°1	67°60
	3	72°9	75°6	77°6	74°6	69°0	67°2	67°2	66°6	66°4	66°2	66°5	69°3	69°92
	4	71°6	73°6	74°5	71°7	68°1	67°4	66°6	66°4	66°0	66°0	65°7	66°1	68°64
	5	67°9	67°7	69°2	66°7	66°6	64°7	64°7	—	—	—	—	—	66°21
	6	—	—	—	—	—	—	—	65°2	65°3	65°0	64°7	66°8	66°79
	7	69°8	70°6	69°6	68°0	66°1	66°2	65°7	65°4	65°4	64°1	64°8	65°8	67°28
	8	67°4	71°3	72°0	69°1	66°9	66°4	66°2	65°5	65°5	65°4	65°3	66°4	66°17
	9	68°2	67°5	68°4	67°6	66°0	65°8	64°8	65°7	64°2	64°0	64°8	67°1	66°18
	10	66°2	69°0	70°3	67°1	65°7	65°2	65°4	65°2	64°6	63°8	64°4	67°3	66°24
	11	68°5	68°5	70°5	69°9	65°3	64°4	64°6	64°1	64°0	—	63°3	65°5	66°13
	12	70°3	69°6	69°8	67°5	65°0	64°4	64°0	—	—	—	—	—	65°98
	13	—	—	—	—	—	—	—	64°0	63°7	64°0	64°7	66°5	66°47
	14	68°0	70°8	69°5	67°6	65°6	65°2	65°0	64°8	64°0	62°6	63°6	65°1	66°62
	15	65°4	70°1	70°7	69°0	65°5	65°3	65°0	64°8	64°6	64°4	64°8	68°0	66°07
	16	69°6	71°7	70°9	70°6	66°4	65°5	64°5	63°9	63°7	63°4	63°7	65°6	66°02
	17	67°1	70°6	71°8	70°0	65°9	64°4	63°7	63°7	63°6	63°5	63°1	65°4	66°59
	18	69°0	70°4	70°9	69°0	65°0	63°8	63°7	63°8	63°8	63°0	63°9	66°0	66°12
	19	69°6	69°8	68°8	67°6	65°7	65°2	64°7	—	—	—	—	—	65°64
	20	—	—	—	—	—	—	—	65°9	65°4	65°2	65°2	66°0	66°71
	21	69°6	70°7	68°6	66°7	65°2	64°8	65°1	65°0	64°6	64°0	63°5	65°6	65°72
	22	68°6	68°0	68°6	68°0	65°3	64°4	63°5	63°1	63°0	62°6	64°3	68°3	66°45
	23	69°9	71°7	70°5	67°4	66°0	65°5	65°7	64°8	64°5	64°5	64°6	65°4	66°70
	24	67°7	67°1	67°6	66°1	—	65°0	65°5	64°5	64°4	64°5	64°4	66°1	66°84
	25	67°8	70°0	70°7	67°0	65°4	65°0	65°0	64°7	64°6	64°7	65°5	67°0	67°69
	26	69°3	71°0	71°4	69°3	65°9	64°6	65°0	—	—	—	—	—	67°07
	27	—	—	—	—	—	—	—	64°8	64°4	64°1	64°5	66°1	66°52
	28	69°7	71°4	70°9	67°5	65°6	64°6	65°3	65°0	64°6	64°5	64°7	68°3	66°76
	29	71°2	72°5	72°3	70°4	67°0	66°2	64°8	64°8	64°8	64°7	65°1	68°5	67°07
	30	69°8	70°6	71°6	69°0	66°6	65°8	65°4	65°0	64°9	64°7	64°4	67°1	66°52
	31	67°9	71°8	70°2	68°4	66°0	65°0	65°0	64°3	63°9	64°0	64°5	67°2	66°76
Hourly Means	69°10	70°61	70°87	68°67	66°15	65°34	65°11	64°87	64°60	64°33	64°64	66°79	66°76	
APRIL.	1	68°7	71°4	71°6	69°8	66°2	65°9	65°7	65°2	63°7	63°0	63°2	65°3	66°64
	2	69°3	70°8	68°0	68°0	65°2	65°0	64°4	—	—	—	—	—	66°28
	3	—	—	—	—	—	—	—	64°7	64°6	64°7	64°6	66°1	65°26
	4	68°3	70°4	66°7	65°9	65°2	64°6	64°7	64°0	63°2	62°6	63°0	64°5	65°83
	5	67°8	68°1	68°0	66°1	65°1	64°8	64°8	64°2	63°6	—	63°9	67°7	66°37
	6	70°6	70°5	69°4	66°1	64°6	64°7	64°9	64°8	64°8	64°5	64°6	66°9	66°27
	7	69°9	70°9	69°6	68°8	65°7	64°4	64°1	63°8	64°0	64°0	64°4	65°7	64°99
	8	69°0	67°2	67°1	65°6	64°5	63°8	64°0	62°7	64°4	63°0	63°0	65°6	65°12
	9	68°7	68°2	65°8	65°2	64°1	63°6	62°7	—	—	—	—	—	65°15
	10	—	—	—	—	—	—	—	64°6	64°9	64°6	64°6	64°4	65°79
	11	65°6	66°6	65°7	65°5	65°2	65°0	64°5	64°5	64°2	64°5	64°5	66°0	65°62
	12	68°7	69°6	69°0	66°6	64°8	64°5	64°6	64°5	63°5	63°5	63°8	66°4	65°22
	13	67°9	68°8	69°0	67°0	65°1	64°8	64°5	64°5	63°5	63°4	63°8	65°1	65°41
	14	65°8	66°5	66°4	65°4	65°1	64°7	65°0	65°0	64°6	64°0	64°6	65°5	65°12
	15	67°0	67°4	67°1	66°0	65°1	65°2	64°9	64°6	64°5	63°7	64°1	65°3	64°39
	16	67°2	68°2	68°4	66°8	65°2	65°0	64°0	—	—	—	—	—	64°93
	17	—	—	—	—	—	—	—	64°7	63°1	62°0	61°7	65°1	64°83
	18	—	68°1	68°2	65°4	64°0	63°2	62°6	62°6	63°2	63°4	63°4	64°2	65°32
	19	67°7	68°5	69°3	65°6	63°8	63°4	63°8	63°6	63°3	62°5	62°0	65°7	65°43
	20	69°0	68°9	69°0	66°5	63°2	63°2	63°2	63°0	63°0	62°7	61°1	65°2	64°58
	21	67°5	71°0	70°4	67°1	64°4	64°0	63°9	62°5	63°0	62°6	61°7	65°8	65°06
	22	67°6	68°0	69°2	66°0	64°6	64°0	63°7	63°4	63°2	—	63°4	66°6	64°15
	23	66°8	68°2	68°5	65°9	63°8	63°7	63°1	—	—	—	—	—	64°66
	24	—	—	—	—	—	—	—	61°5	62°7	62°7	62°7	65°4	64°53
	25	67°5	68°0	68°6	67°1	64°6	64°0	63°4	63°2	63°1	63°0	63°2	65°0	63°37
	26	67°8	67°4	66°1	63°5	63°3	63°0	63°0	63°0	62°6	—	61°8	64°2	64°11
	27	65°7	69°0	68°4	65°9	63°8	63°5	62°8	62°5	62°8	62°6	63°5	65°4	64°66
	28	67°7	68°4	67°7	65°5	63°9	63°7	63°4	63°1	62°6	61°3	62°3	64°8	64°66
	29	66°0	66°3	67°4	63°6	62°6	62°6	63°0	61°4	61°4	61°5	62°1	62°5	63°37
	30	65°9	66°4	66°0	64°5	63°1	63°5	63°0	—	—	—	—	—	64°11
	31	—	—	—	—	—	—	—	62°9	62°8	62°7	62°9	65°6	65°17
Hourly Means	67°75	68°57	68°10	66°13	64°47	64°15	63°91	63°63	63°47	63°15	63°23	65°38	65°17	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
MAY.	1	65.1	69.0	69.0	65.6	63.3	63.0	63.5	62.1	62.9	62.4	61.2	64.5	64.30
	2	66.4	68.2	68.8	65.0	63.8	63.4	63.0	62.5	62.2	62.2	62.3	65.5	64.44
	3	66.8	69.3	68.1	65.6	64.4	64.2	63.5	63.8	63.7	64.0	64.6	66.0	65.33
	4	67.9	67.7	68.1	67.3	65.8	65.1	65.3	64.9	64.7	64.8	65.1	67.0	66.14
	5	68.2	70.4	71.1	68.7	65.7	65.0	64.6	64.4	64.2	63.5	63.0	66.9	66.31
	6	68.6	67.4	67.6	66.0	65.5	64.9	64.6	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	62.6	62.5	62.7	63.2	66.0	65.13
	8	68.2	69.1	67.9	65.2	63.6	63.2	63.1	62.3	62.0	62.0	62.9	65.6	64.59
	9	67.3	68.7	68.0	65.5	63.3	62.8	62.8	62.4	61.6	62.0	62.3	65.3	64.33
	10	67.6	68.1	67.0	64.7	63.2	63.2	63.1	62.9	62.6	62.6	62.4	65.4	64.40
	11	67.7	65.1	65.1	64.6	63.3	62.7	62.7	62.6	62.3	62.5	62.5	64.3	63.78
	12	66.1	67.4	66.7	64.8	63.3	62.6	62.6	62.2	62.0	62.2	62.2	64.4	63.87
	13	66.5	68.3	67.0	64.5	63.7	62.5	62.0	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	62.3	61.7	62.0	63.0	64.5	64.00
	15	65.6	66.9	66.8	64.9	62.7	62.1	62.4	63.0	61.8	61.8	62.0	62.9	63.57
	16	66.4	66.9	66.4	63.7	61.4	62.7	62.1	61.7	62.1	62.5	63.0	64.2	63.59
	17	63.6	64.6	65.0	63.5	62.8	62.4	61.9	60.7	60.4	60.1	61.2	62.7	62.41
	18	65.2	66.8	66.2	63.5	62.0	62.0	62.4	—	61.6	61.8	62.0	64.2	63.43
	19	67.0	66.8	65.6	63.6	61.5	62.1	62.1	61.7	61.5	61.2	61.5	64.5	63.26
	20	67.1	68.0	67.4	65.0	62.5	61.9	62.1	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	61.5	61.2	60.4	60.6	63.6	63.44
	22	64.8	66.3	65.0	63.7	62.1	62.2	62.2	62.0	61.8	61.7	62.0	64.9	63.22
	23	67.7	68.4	65.0	63.5	63.0	62.4	62.7	62.5	61.9	60.9	61.4	64.5	63.66
	24	65.1	67.8	66.4	63.5	62.7	62.5	62.5	61.9	61.7	61.2	61.2	63.2	63.31
	25	65.7	65.4	65.4	63.1	61.6	61.5	60.8	61.1	60.0	60.7	60.7	61.5	62.29
	26	63.7	65.6	65.6	63.0	61.2	61.5	61.5	61.5	61.7	61.7	61.3	62.0	62.52
	27	65.4	66.9	66.0	63.8	61.3	59.7	61.0	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	60.0	60.5	60.7	61.2	63.2	62.47
	29	65.3	66.5	65.9	62.7	61.6	60.2	61.2	61.2	60.8	59.1	58.6	61.5	62.05
	30	64.0	65.5	64.3	61.0	59.6	59.4	58.2	58.3	58.0	57.8	58.2	61.2	60.46
Hourly Means	66.27	67.35	66.75	64.46	66.73	62.56	62.46	62.08	61.82	61.71	61.91	64.21	63.71	
JUNE.	1	64.6	65.5	62.9	61.2	59.5	59.7	60.1	59.8	59.5	59.5	59.6	61.3	61.10
	2	62.2	64.1	64.3	62.0	60.7	61.0	61.0	60.7	60.9	60.5	60.3	60.4	61.51
	3	60.4	60.5	61.0	60.6	60.0	59.5	58.6	57.8	57.9	58.1	57.7	60.3	59.37
	4	61.6	61.4	60.6	60.2	59.8	57.7	58.1	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	58.7	58.0	58.2	58.6	59.9	59.40
	6	61.7	63.7	62.2	60.6	59.0	58.5	59.1	57.8	59.0	58.3	58.1	59.3	59.77
	7	59.8	60.4	60.4	57.7	56.5	56.9	57.0	57.2	56.1	55.8	55.4	58.8	57.67
	8	59.5	60.7	58.3	57.7	57.5	57.5	58.2	57.1	57.2	56.5	57.0	58.0	57.95
	9	59.7	61.7	61.2	59.2	59.0	58.2	58.6	58.2	57.6	58.3	56.5	59.4	58.97
	10	57.9	59.4	61.8	59.9	58.7	57.8	58.9	58.6	58.6	57.8	57.9	57.7	58.75
	11	59.2	62.2	61.2	58.2	56.5	58.0	57.9	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	58.1	58.2	57.4	57.0	59.6	58.62
	13	61.6	62.9	62.2	59.8	59.5	57.6	57.6	57.4	56.6	56.4	57.4	57.5	58.87
	14	59.9	60.1	61.4	59.4	58.0	57.7	57.8	57.9	57.6	57.3	57.7	59.8	58.72
	15	61.1	62.8	62.4	61.5	58.5	58.5	58.6	57.9	58.1	58.7	59.2	61.6	59.91
	16	64.9	66.5	65.9	63.9	61.5	60.6	60.8	60.1	59.4	58.6	58.9	61.4	61.87
	17	64.5	66.2	65.5	63.3	60.6	58.2	57.8	58.5	57.0	56.5	56.5	62.0	60.55
	18	67.3	68.0	68.6	65.9	62.0	60.9	60.2	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	60.7	60.3	60.6	60.5	62.0	63.08
	20	64.5	65.9	65.0	62.5	61.0	60.2	60.3	60.2	60.4	60.0	60.4	62.7	61.92
	21	65.2	65.1	64.2	62.6	61.2	60.3	60.0	59.7	59.4	59.4	59.7	60.6	61.45
	22	62.0	63.8	63.7	61.5	59.6	60.0	59.4	59.4	59.3	59.0	59.3	59.7	60.56
	23	62.2	63.1	62.8	60.4	59.4	59.0	59.0	58.4	58.5	58.4	58.2	59.6	59.92
	24	62.5	64.3	62.1	60.6	58.5	58.1	57.8	58.7	57.2	57.2	57.0	59.8	59.48
	25	60.6	62.4	62.9	60.3	59.0	57.2	56.2	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	57.8	57.8	56.8	56.7	59.6	58.94
	27	61.1	62.9	62.0	59.7	58.4	57.3	57.8	57.7	56.7	56.4	56.7	57.7	58.70
	28	58.1	60.3	58.7	57.6	57.0	57.0	56.6	55.7	55.6	56.0	56.0	57.5	57.17
	29	59.2	60.0	61.0	58.8	57.6	57.9	57.3	57.1	57.4	57.6	57.5	60.1	58.46
	30	61.9	60.3	61.2	60.0	59.1	59.3	58.1	57.7	57.3	58.0	58.0	59.5	59.20
Hourly Means	61.66	62.85	62.44	60.58	59.17	58.64	58.57	58.42	58.14	57.97	57.99	59.84	59.69	

STANDARD THERMOMETER.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21		
JULY.	1	59.3	59.5	58.2	57.9	57.0	57.0	57.1	57.0	57.3	57.4	57.5	58.6	57.82
	2	60.9	62.0	61.6	59.9	58.8	58.9	58.5	—	—	—	—	—	58.52
	3	—	—	—	—	—	—	—	56.4	56.4	55.7	55.9	57.2	57.07
	4	58.5	59.3	58.7	57.2	56.8	56.5	55.6	56.1	56.2	56.2	55.7	58.0	57.60
	5	58.8	60.0	58.3	58.2	57.4	57.1	57.0	56.2	56.5	56.4	56.4	58.9	58.19
	6	60.9	61.0	62.2	60.0	57.6	56.2	56.4	56.3	56.7	56.5	56.8	57.7	58.47
	7	59.9	61.1	62.7	60.8	57.7	56.7	55.7	57.2	57.4	57.0	56.4	59.0	58.35
	8	61.0	61.7	61.5	59.5	57.7	57.3	56.5	56.2	56.5	56.2	56.7	59.4	58.31
	9	61.4	61.5	61.2	59.3	57.8	57.9	57.2	—	—	—	—	—	57.37
	10	—	—	—	—	—	—	—	56.8	56.5	55.3	56.5	58.3	57.05
	11	60.3	61.0	60.2	58.5	56.6	56.0	56.5	55.7	55.3	55.6	55.5	57.2	56.12
	12	59.4	61.2	60.5	58.4	57.0	56.2	56.0	56.1	54.6	54.9	55.0	55.3	58.11
	13	56.1	58.5	58.4	55.5	55.2	54.9	55.1	55.6	55.5	55.7	—	56.8	56.72
	14	59.2	60.5	59.5	58.5	57.5	57.0	57.0	57.2	57.6	57.8	57.0	58.5	56.37
	15	59.5	60.7	59.5	57.1	56.2	55.4	55.2	54.7	55.2	55.1	54.9	57.2	57.94
	16	57.1	58.3	58.9	56.6	55.5	55.4	55.0	—	—	—	—	—	56.16
	17	—	—	—	—	—	—	—	56.0	55.5	55.3	55.6	57.3	56.94
	18	59.7	61.2	61.5	59.0	57.8	56.6	56.5	56.4	56.8	55.6	55.8	58.4	55.82
	19	59.3	59.4	60.4	58.3	56.3	55.1	55.5	54.6	53.4	52.3	52.1	57.2	55.43
	20	58.9	61.8	58.7	56.9	56.4	56.5	56.4	56.0	55.6	55.4	54.4	56.3	55.73
	21	58.3	—	58.4	56.0	55.4	55.6	55.0	54.8	54.7	54.1	54.7	57.0	56.95
	22	56.5	59.7	58.8	56.9	55.8	55.5	54.3	52.7	53.0	52.7	53.4	55.9	57.69
	23	57.8	59.9	55.4	55.5	55.0	54.5	54.5	—	—	—	—	—	58.52
	24	—	—	—	—	—	—	—	54.4	54.6	55.1	55.3	56.8	57.59
	25	59.9	61.3	61.1	59.2	55.7	54.3	53.9	54.9	55.4	55.3	55.7	56.7	57.69
	26	58.3	60.6	60.0	59.5	57.0	55.5	56.5	56.7	55.7	57.0	56.5	59.0	58.52
	27	59.9	61.8	61.7	59.2	57.9	57.3	57.3	57.2	57.3	56.6	57.2	58.9	58.97
	28	60.4	62.3	62.2	60.4	58.4	57.6	57.6	57.8	57.4	57.5	57.6	58.4	58.57
	29	60.7	61.8	60.9	59.8	57.3	58.4	57.9	57.6	57.4	56.5	56.9	57.6	57.59
	30	59.5	60.7	60.1	58.0	56.5	55.2	55.8	—	—	—	—	—	57.39
	31	—	—	—	—	—	—	—	57.4	56.7	57.0	56.5	57.7	—
Hourly Means	59.29	60.67	60.02	58.31	56.86	56.33	56.15	56.08	55.97	55.78	55.84	57.67	57.39	
AUGUST.	1	58.2	58.4	60.8	59.0	58.0	57.4	57.3	57.0	56.8	56.7	56.4	57.6	57.80
	2	58.5	60.4	61.0	59.0	57.6	57.2	56.0	56.8	56.4	56.5	56.6	59.3	57.94
	3	60.7	61.8	61.4	59.2	57.6	57.3	56.8	56.6	56.2	56.2	56.5	59.6	58.32
	4	60.6	60.3	61.3	59.1	57.6	57.4	57.0	57.3	56.7	56.1	56.7	58.7	58.23
	5	60.4	58.7	61.6	58.4	57.5	57.0	56.8	55.8	55.9	55.6	56.3	58.3	57.69
	6	60.4	59.8	59.3	57.2	56.6	57.1	57.4	—	—	—	—	—	57.00
	7	—	—	—	—	—	—	—	55.7	55.5	54.5	54.2	56.3	56.41
	8	56.7	61.2	57.6	57.9	56.7	56.1	55.3	55.2	54.5	54.7	54.4	56.6	56.24
	9	57.5	58.3	58.2	57.3	55.9	55.7	55.6	55.5	54.8	54.7	54.6	56.8	56.56
	10	58.2	58.5	58.7	57.4	56.2	56.0	55.8	55.7	55.4	55.1	54.2	57.5	56.89
	11	59.6	60.0	60.4	58.2	56.9	56.6	55.5	56.4	54.9	53.5	54.0	56.7	56.43
	12	57.6	60.2	59.4	57.2	56.0	55.7	55.4	54.8	54.4	54.6	54.6	57.3	56.52
	13	58.6	59.4	58.9	57.1	55.7	55.1	54.9	—	—	—	—	—	57.82
	14	—	—	—	—	—	—	—	54.9	55.0	54.8	55.4	58.5	57.05
	15	61.6	63.0	60.9	58.8	57.3	55.8	55.7	55.9	55.9	55.8	56.1	57.0	57.12
	16	59.3	60.1	59.5	57.8	56.6	56.2	55.9	55.5	55.0	55.6	56.3	56.8	54.81
	17	60.9	61.1	58.8	58.1	56.9	56.7	56.2	56.5	55.2	54.2	54.4	56.4	54.91
	18	57.3	59.2	57.5	55.3	54.6	54.0	53.7	53.4	52.7	52.4	52.8	54.8	56.72
	19	56.2	57.1	56.2	54.2	54.8	53.8	54.6	54.2	53.8	54.0	53.8	56.2	57.57
	20	57.7	58.4	57.9	56.9	56.4	56.4	55.6	—	—	—	—	—	57.62
	21	—	—	—	—	—	—	—	56.4	56.3	55.6	55.6	57.5	56.72
	22	60.9	61.4	59.2	58.0	56.7	56.9	56.2	56.0	56.0	56.0	56.1	57.5	57.62
	23	61.0	60.0	61.0	58.5	56.5	55.9	56.8	56.5	56.4	56.0	55.7	57.1	56.72
	24	57.6	56.7	61.2	57.7	56.8	56.6	56.3	56.1	55.6	54.9	54.6	56.6	56.69
	25	59.6	61.0	61.6	58.4	56.7	56.2	55.4	55.7	55.7	55.5	55.6	57.5	56.40
	26	60.6	61.7	58.9	57.2	56.4	55.3	55.1	55.0	54.7	54.3	54.5	56.6	57.72
	27	58.5	58.9	59.7	56.5	55.2	55.7	55.3	—	—	—	—	—	57.42
	28	—	—	—	—	—	—	—	55.2	55.4	55.0	54.8	56.6	56.69
	29	59.5	62.0	61.3	58.0	57.7	57.0	56.7	56.2	55.7	55.6	55.3	57.7	56.40
	30	60.0	61.3	61.3	57.6	56.8	56.8	56.0	56.2	55.3	54.8	55.0	58.0	57.72
	31	59.0	59.8	61.6	58.3	56.1	56.0	55.2	55.0	54.8	54.3	54.7	55.5	56.69
Hourly Means	59.14	59.99	59.82	57.71	56.59	56.22	55.87	55.76	55.37	55.07	55.16	57.22	56.99	

STANDARD THERMOMETER.													
Hours of Mean } Göttingen Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean } St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10	
SEPTEMBER.	1	57.0	58.8	57.5	59.4	58.2	57.9	57.4	56.3	55.5	56.0	55.7	55.5
	2	60.3	61.9	61.6	59.8	59.0	58.3	57.6	56.7	56.7	56.6	56.6	56.2
	3	58.8	59.0	58.8	58.5	58.6	58.2	56.3	56.0	56.0	55.7	55.6	55.0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	58.6	59.7	60.0	59.8	58.0	58.1	57.5	56.7	56.0	56.3	56.4	56.5
	6	58.9	59.8	59.9	60.0	59.1	58.3	57.7	56.5	55.9	55.7	55.7	55.5
	7	58.6	59.0	60.7	61.5	61.0	60.1	58.0	56.6	56.6	56.6	56.5	56.5
	8	57.4	59.4	60.0	60.0	59.8	60.1	58.9	57.0	56.6	56.5	56.5	56.0
	9	61.4	62.7	63.4	63.5	61.6	59.5	58.4	57.5	57.1	56.7	56.5	56.4
	10	60.9	61.7	62.4	—	61.0	60.4	58.8	57.9	57.2	57.2	57.2	57.0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	57.6	58.6	59.4	59.6	58.5	57.5	56.7	56.0	55.7	55.5	55.6	55.7
	13	59.4	60.0	61.4	60.5	60.6	59.7	58.2	57.3	56.6	56.6	56.5	56.2
	14	59.9	61.0	61.1	61.5	61.5	59.6	58.4	57.3	56.8	56.5	56.5	56.1
	15	60.1	60.5	61.2	60.4	59.8	58.7	58.2	57.3	57.0	56.9	57.0	56.7
	16	61.2	60.8	61.8	61.1	61.6	60.8	59.5	58.0	57.7	57.5	57.6	57.5
	17	60.0	60.4	61.0	60.5	59.8	59.7	58.6	58.0	57.4	57.7	57.2	57.2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.3	61.8	62.2	62.5	61.2	59.8	58.6	57.4	57.0	56.9	56.6	56.6
	20	62.0	61.4	62.1	60.5	60.6	60.3	58.7	57.3	56.7	56.8	56.7	56.4
	21	61.8	63.2	62.8	61.9	60.9	60.6	58.6	57.8	57.4	57.0	56.8	56.3
	22	60.7	61.0	61.5	61.2	60.2	59.1	57.8	57.0	57.0	56.9	56.6	56.7
	23	57.5	57.0	57.2	57.8	58.3	57.6	57.1	56.5	56.0	56.3	55.2	55.2
	24	60.4	61.0	61.8	61.2	58.0	58.6	57.4	56.7	55.7	55.5	55.0	54.1
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	62.2	64.0	64.0	64.2	64.4	63.9	61.0	59.3	58.5	58.2	57.6	57.4
	27	61.7	62.6	62.9	64.1	63.2	61.8	59.7	58.3	57.9	57.4	57.3	57.0
	28	62.2	63.6	65.3	66.5	65.6	62.8	60.9	59.5	58.7	58.1	57.8	57.4
	29	62.7	64.0	65.8	65.5	66.9	64.6	61.7	59.4	58.7	58.6	58.5	58.5
	30	61.5	63.0	64.2	64.8	64.6	63.3	61.3	59.4	58.9	59.8	58.5	58.5
Hourly Means	60.16	60.99	61.54	61.45	60.85	59.97	58.58	57.46	56.97	56.90	56.68	56.47	
OCTOBER.	1	61.4	60.7	61.2	60.9	60.0	59.2	58.7	57.7	57.7	57.6	57.2	57.0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	62.2	62.8	62.1	64.2	61.1	61.4	59.4	57.8	57.0	56.7	56.7	56.4
	4	58.1	58.0	60.0	61.0	61.0	60.0	58.0	57.2	56.6	56.6	56.8	56.5
	5	59.6	59.6	60.9	60.3	60.3	59.9	58.5	57.6	57.2	57.0	56.9	56.9
	6	61.9	63.0	63.3	63.1	62.5	60.5	59.1	58.1	57.8	57.4	57.2	57.1
	7	59.9	61.0	61.0	61.5	61.0	60.7	59.5	58.2	57.9	57.4	57.4	57.0
	8	61.3	63.0	63.0	63.4	62.7	60.3	59.3	57.8	57.5	57.2	57.1	57.1
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	62.1	62.5	63.6	64.1	63.9	61.9	60.0	58.2	57.6	56.9	56.7	56.6
	11	63.3	64.0	64.6	65.0	63.0	61.8	59.8	58.4	57.3	57.4	57.1	57.2
	12	62.4	63.3	64.7	64.8	63.1	61.6	60.6	59.0	58.9	58.2	58.0	58.1
	13	61.8	62.6	63.6	64.7	64.1	63.3	61.4	59.0	58.0	57.6	57.2	57.0
	14	64.4	65.0	65.4	66.2	65.1	64.5	62.3	59.9	59.2	59.0	58.8	58.2
	15	62.6	63.7	63.1	63.4	63.9	61.4	60.0	58.9	58.2	58.1	58.2	58.0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	60.3	61.6	60.7	60.3	59.9	59.4	58.5	58.1	57.8	57.6	57.1	57.4
	18	60.4	60.3	59.8	60.0	59.0	59.0	58.3	57.5	56.8	56.8	56.7	56.7
	19	60.7	62.0	62.3	60.4	60.9	59.4	58.5	57.0	56.4	56.4	56.0	56.2
	20	59.6	60.3	62.0	61.4	60.9	59.9	58.8	57.8	57.2	57.1	56.8	56.7
	21	62.1	63.3	63.7	63.4	62.0	59.3	58.6	57.5	56.5	56.6	56.2	56.5
	22	61.3	60.9	61.1	59.6	61.0	59.2	58.0	56.7	56.5	56.1	55.8	56.0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	63.2	62.1	63.3	62.0	62.1	60.6	59.4	57.7	57.5	56.8	57.1	57.3
	25	63.6	63.8	64.6	63.3	62.1	62.4	60.4	58.5	58.0	57.8	57.4	57.6
	26	63.0	63.1	63.0	62.8	62.8	61.4	60.0	58.6	58.0	57.7	57.7	57.5
	27	64.6	63.6	63.3	63.5	62.1	62.8	60.4	58.6	57.7	57.4	57.7	57.3
	28	61.4	62.6	61.6	62.2	61.3	60.1	58.8	58.0	57.1	57.0	57.2	56.6
	29	61.9	59.6	61.6	63.6	60.2	59.3	58.3	57.3	57.3	57.2	57.2	57.4
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	61.2	60.6	62.6	60.4	61.5	60.5	59.5	57.7	57.5	57.0	56.9	56.7
Hourly Means	61.70	62.04	62.54	62.52	61.83	60.76	59.39	58.03	57.51	57.25	57.12	57.04	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
55.6	55.7	56.0	55.7	55.8	55.4	55.6	55.7	55.6	57.0	57.6	59.9	56.70
56.4	55.6	55.5	54.6	54.7	54.4	54.4	54.2	54.5	55.4	57.0	57.6	56.91
55.0	—	—	—	—	—	—	—	—	—	—	—	56.25
—	54.9	54.6	54.5	54.4	54.4	54.6	54.6	55.2	55.8	57.3	58.3	56.64
56.1	55.9	55.5	55.3	55.2	55.1	54.7	54.5	54.4	55.3	56.2	57.5	56.80
55.4	55.4	55.4	55.2	54.8	55.0	55.3	55.0	55.3	56.3	58.0	59.2	57.34
56.5	56.5	56.3	56.0	56.0	55.6	55.4	55.3	55.6	56.4	57.1	57.7	57.30
55.5	55.5	55.6	55.6	55.7	55.8	55.6	56.1	56.3	56.9	58.5	59.9	58.13
56.4	56.3	56.0	55.8	55.7	56.2	56.1	56.2	56.4	57.0	58.2	60.2	57.16
56.4	—	—	—	—	—	—	—	—	—	—	—	56.32
—	55.5	55.4	55.5	54.6	54.3	54.0	54.3	54.0	55.3	56.5	57.1	57.35
55.6	54.6	54.5	54.8	55.0	54.8	54.8	55.0	55.0	55.9	57.1	58.2	57.32
56.2	56.3	55.6	55.6	55.5	55.5	55.5	55.5	55.5	56.2	57.5	58.6	57.67
55.8	56.0	55.4	55.2	55.0	55.4	55.1	55.0	55.2	55.5	57.0	58.8	58.39
56.4	56.4	56.2	56.2	55.8	55.6	55.6	55.7	56.3	57.3	59.0	59.8	58.04
57.0	56.7	56.8	56.6	56.6	56.5	56.4	56.5	57.2	58.1	58.6	59.4	57.85
57.0	—	—	—	—	—	—	—	—	—	—	—	57.89
—	56.0	56.3	56.4	55.9	55.9	56.0	56.2	56.7	57.9	59.6	61.5	58.12
56.5	56.1	55.9	55.7	55.4	55.6	55.5	55.3	55.8	56.7	58.0	60.0	57.45
56.7	56.5	56.4	56.1	55.8	55.5	55.4	55.5	56.5	57.0	58.0	60.4	56.22
56.2	56.6	56.6	56.0	55.9	55.7	55.7	56.3	56.5	57.2	58.4	58.8	56.96
56.7	56.6	56.2	56.2	56.0	56.1	56.4	56.1	55.5	55.2	55.8	56.3	59.32
55.5	55.2	55.2	55.2	55.2	54.6	54.4	54.4	54.8	55.9	57.7	59.5	58.67
54.3	—	—	—	—	—	—	—	—	—	—	—	60.09
—	55.1	55.0	55.2	55.4	54.9	55.0	55.5	55.7	57.3	58.0	60.2	59.47
57.4	57.1	57.0	56.7	56.7	56.6	56.4	55.8	56.6	58.0	59.5	61.2	60.09
56.6	56.6	56.6	56.6	56.3	56.0	56.1	56.2	56.4	57.3	59.0	60.5	59.96
57.3	56.9	56.7	56.7	56.7	56.6	56.5	56.5	56.9	57.7	59.5	60.8	57.70
58.3	57.8	57.8	57.5	57.2	57.7	57.3	57.2	58.0	58.7	59.5	60.4	56.36
58.5	58.5	58.0	57.5	57.5	57.4	57.7	57.8	58.2	59.2	60.3	60.7	55.86
56.36	56.17	56.02	55.86	55.72	55.64	55.59	55.63	55.93	56.79	58.03	59.33	56.17
56.9	—	—	—	—	—	—	—	—	—	—	—	56.02
—	56.6	56.6	56.2	56.2	56.3	56.3	56.2	56.7	58.0	58.8	61.0	55.86
56.3	56.5	56.6	56.5	55.9	55.1	54.9	55.0	55.4	56.1	56.3	57.6	55.72
56.4	56.1	55.7	56.0	55.7	—	55.4	55.0	55.3	55.7	57.4	58.6	55.64
56.5	56.4	56.4	56.3	55.8	55.7	55.4	55.5	56.2	57.3	58.9	60.6	55.59
57.0	56.7	56.5	56.3	56.3	56.1	55.9	55.9	56.4	56.9	57.6	58.6	55.63
56.9	57.0	56.8	56.0	56.2	55.9	55.9	55.7	56.4	57.4	59.4	61.0	55.7
56.7	—	—	—	—	—	—	—	—	—	—	—	55.4
—	55.7	55.7	55.5	55.5	55.4	55.4	55.2	55.7	56.7	57.7	59.7	55.4
56.5	56.6	56.4	56.3	56.2	56.4	56.2	56.0	56.5	57.2	58.3	60.7	55.4
57.0	57.3	57.2	57.0	56.7	56.6	56.7	57.0	57.6	58.4	59.6	61.9	55.4
57.7	57.6	57.3	57.1	56.7	56.8	56.8	56.5	57.2	58.3	59.3	60.6	55.4
57.0	57.1	56.7	56.5	56.5	56.4	56.1	56.3	56.8	58.7	61.0	63.1	55.4
57.7	57.6	57.3	56.8	56.8	56.5	56.5	56.6	57.4	58.2	60.1	61.2	55.4
57.8	—	—	—	—	—	—	—	—	—	—	—	55.4
—	57.8	57.6	57.6	57.6	57.3	57.4	57.1	57.5	58.6	59.0	59.9	55.4
57.0	56.7	57.2	56.8	57.0	56.7	57.2	57.1	57.4	57.5	57.7	58.9	55.4
56.7	56.3	56.1	56.0	55.7	55.6	55.3	55.6	55.7	56.4	57.7	59.5	55.4
56.2	56.0	55.7	55.6	55.4	55.4	55.6	55.1	55.6	57.4	57.8	58.4	55.4
56.7	56.5	56.3	56.3	56.2	56.4	55.3	55.9	55.6	58.0	60.0	60.0	55.4
55.7	55.7	55.8	54.8	54.9	53.8	54.7	55.0	55.4	56.3	57.0	58.2	55.4
56.0	—	—	—	—	—	—	—	—	—	—	—	55.4
—	56.3	56.3	56.3	55.7	55.0	56.1	55.7	56.0	57.4	59.0	61.3	55.4
57.1	56.4	56.3	56.2	56.0	55.9	55.7	56.0	56.4	57.6	60.1	62.5	55.4
57.6	57.5	57.3	57.0	57.0	57.0	57.0	57.3	57.6	58.6	60.0	61.4	55.4
57.2	56.9	56.5	56.2	56.1	56.3	56.1	56.6	57.5	58.9	61.6	63.6	55.4
57.5	56.6	56.7	56.6	56.0	56.0	56.3	56.5	57.7	59.2	61.8	62.2	55.4
56.6	56.7	56.2	56.3	56.0	55.9	56.3	56.6	57.4	58.5	60.0	59.7	55.4
57.1	—	—	—	—	—	—	—	—	—	—	—	55.4
—	56.3	56.3	56.3	56.4	56.0	55.5	55.4	56.2	57.5	58.5	61.7	55.4
56.6	56.4	55.7	55.9	55.8	55.2	55.2	55.4	56.0	57.0	58.8	60.6	55.4
56.86	56.67	56.51	56.32	56.17	55.99	55.97	56.01	56.52	57.61	58.98	60.48	56.36

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
NOVEMBER.	1	61.4	62.3	63.6	63.7	61.6	60.6	—	58.0	57.4	57.0	56.8	56.7
	2	63.8	65.1	64.5	64.7	63.3	63.0	60.5	58.7	57.7	57.3	56.7	56.6
	3	65.0	65.7	65.3	66.3	66.3	65.5	64.0	61.0	58.7	57.4	56.7	56.7
	4	64.8	65.2	66.8	67.4	67.0	64.7	62.6	61.4	60.2	59.6	58.8	58.6
	5	63.5	63.9	65.0	64.2	63.6	63.4	63.0	60.4	59.4	58.9	58.8	59.2
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	62.2	63.8	64.7	65.1	64.2	63.2	62.0	61.0	59.9	59.4	58.5	58.5
	8	64.6	65.5	64.1	64.0	63.6	63.0	62.0	60.8	60.1	59.6	59.0	58.8
	9	65.0	65.1	65.4	65.8	65.5	63.5	62.0	60.9	59.8	59.5	59.5	59.2
	10	59.7	60.9	61.2	61.6	61.6	61.1	60.0	59.3	58.7	58.4	58.4	58.4
	11	60.0	60.4	59.5	61.0	62.5	62.6	61.0	59.5	58.5	58.4	58.1	58.4
	12	62.0	64.5	64.5	64.0	63.1	62.8	61.6	59.9	59.4	59.6	58.1	58.0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	62.5	64.0	63.6	63.0	62.3	61.2	59.6	59.2	58.8	59.0	58.4	58.5
	15	62.4	62.4	63.5	64.5	63.2	61.5	60.6	59.8	58.8	58.6	58.4	58.3
	16	62.4	62.6	62.3	63.6	64.0	63.4	62.4	60.5	59.9	59.0	59.2	58.9
	17	61.7	62.4	62.5	62.8	63.3	62.6	61.4	60.5	59.9	59.5	59.4	59.1
	18	61.4	62.8	62.6	63.4	64.4	64.0	62.4	60.9	60.0	59.9	59.6	59.5
	19	60.6	62.1	62.6	63.4	63.2	63.3	61.9	59.9	59.5	59.2	58.8	58.8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	63.0	64.1	65.8	65.7	65.6	65.5	63.5	61.5	60.1	59.8	59.8	59.4
	22	64.8	64.4	65.2	66.4	65.6	65.1	63.7	62.1	61.4	60.4	60.4	60.0
	23	60.7	61.3	61.0	61.2	60.8	61.1	60.3	59.8	59.1	58.9	59.0	58.3
	24	61.6	63.7	63.3	64.3	63.5	61.7	61.0	60.0	59.6	59.6	59.4	59.2
	25	65.6	66.6	65.0	66.5	65.2	65.0	63.6	61.4	60.3	60.1	59.8	59.1
	26	62.7	66.5	66.4	65.4	64.7	62.5	62.2	60.6	59.9	59.5	59.3	59.2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	66.0	67.1	68.0	69.0	67.8	65.0	62.6	61.5	60.4	59.8	59.7	59.3
	29	62.5	63.1	64.8	64.9	63.1	63.0	61.8	60.2	59.6	59.5	59.2	58.8
	30	61.6	64.4	63.5	63.8	64.4	61.4	60.7	59.6	58.9	59.0	58.9	58.8
	Hourly Means	62.75	63.84	64.03	64.45	63.98	63.07	61.86	60.32	59.46	59.11	58.79	58.63
DECEMBER.	1	62.7	63.6	63.0	62.2	62.6	62.1	59.5	58.9	58.5	57.8	58.2	58.4
	2	61.0	63.3	63.6	62.6	61.2	63.1	61.7	59.7	59.4	59.6	59.5	59.1
	3	61.3	64.8	65.2	64.9	63.4	62.2	61.9	60.5	59.9	59.6	59.7	58.6
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	63.7	66.3	66.7	67.2	66.5	64.6	63.0	61.6	60.7	60.5	60.1	60.0
	6	60.0	61.1	61.5	61.7	62.0	62.5	61.3	60.1	59.5	59.5	59.5	59.0
	7	63.2	63.7	65.5	64.3	64.7	63.5	61.9	60.7	60.2	59.9	59.6	59.0
	8	62.8	65.1	66.1	64.8	64.6	63.7	62.2	61.0	60.0	59.6	59.3	59.0
	9	62.2	63.1	64.8	64.7	65.6	65.0	63.4	61.6	60.2	60.0	59.9	59.6
	10	65.7	67.1	67.6	67.4	66.9	66.1	64.9	62.8	60.9	60.4	59.9	59.5
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	64.0	65.4	65.2	64.9	64.9	64.2	62.9	61.2	60.4	60.1	60.0	59.4
	13	61.9	64.6	65.6	64.6	64.0	63.8	62.2	60.9	60.0	59.8	59.8	59.6
	14	64.5	63.8	66.7	67.1	65.0	64.4	64.1	62.2	61.0	60.0	59.6	59.2
	15	66.5	66.0	65.1	67.0	67.7	67.9	65.4	63.1	61.9	60.9	60.6	60.1
	16	63.2	64.9	65.9	66.0	65.0	65.5	65.8	65.0	62.2	61.0	60.3	60.3
	17	64.6	65.7	65.7	66.2	66.3	65.3	65.0	63.1	60.7	59.6	58.9	58.4
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.4	63.0	63.8	63.1	63.3	61.9	61.3	60.8	60.3	59.6	59.5	59.4
	20	62.1	65.0	65.7	66.1	66.9	65.4	63.2	61.8	61.1	60.4	60.4	60.0
	21	61.7	61.4	64.0	64.7	65.5	65.1	64.6	62.5	60.9	60.3	60.0	59.3
	22	65.4	66.6	67.1	67.0	67.6	68.3	66.1	64.2	63.1	62.3	61.6	61.2
	23	67.0	69.4	71.1	72.5	70.9	70.4	68.4	66.1	63.7	63.2	63.0	62.1
	24	66.8	67.0	68.1	68.4	68.0	66.8	65.3	64.4	63.0	62.4	62.0	61.8
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	64.8	66.7	65.7	64.9	63.9	64.4	63.6	62.6	61.8	61.6	61.1	60.9
	27	65.7	66.0	67.7	68.8	67.3	65.8	64.9	63.7	63.0	62.6	62.0	61.9
	28	64.2	64.7	66.1	65.6	66.5	65.3	64.9	63.0	62.0	61.7	61.4	61.0
	29	67.6	69.1	68.3	68.2	68.2	67.4	65.7	64.0	62.6	62.4	61.7	61.6
	30	65.4	66.3	66.8	66.6	68.1	66.9	65.0	63.4	62.6	62.1	61.9	61.9
	31	65.3	66.6	65.1	63.6	65.1	66.6	64.6	63.2	61.6	61.8	61.6	61.5
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	63.88	65.19	65.84	65.74	65.62	65.12	63.81	62.30	61.16	60.69	60.41	60.07	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
56.6	56.6	56.3	56.3	56.4	56.2	56.2	56.3	56.6	58.1	60.6	62.1	56.14
56.7	56.7	56.7	56.6	56.4	56.5	56.6	56.6	57.2	58.7	61.5	62.3	59.35
56.8	57.1	57.0	57.2	57.2	57.0	57.0	57.2	58.4	60.1	60.9	63.3	60.32
58.3	57.8	57.7	57.5	57.7	57.4	57.4	57.8	58.1	58.9	60.5	62.1	60.76
59.0	—	—	—	—	—	—	—	—	—	—	—	60.36
—	58.5	58.4	58.2	58.5	58.3	58.0	58.0	58.5	59.0	60.0	61.0	60.38
58.5	58.4	57.9	57.8	57.8	57.9	57.7	57.9	58.6	59.4	61.7	63.1	60.60
58.5	58.2	58.5	58.2	58.0	58.0	57.7	57.8	58.6	59.8	62.5	63.6	60.54
59.0	58.8	58.7	58.5	58.2	57.8	57.5	57.3	57.9	58.4	59.3	60.4	59.08
58.4	57.8	57.7	57.8	58.0	57.8	57.7	57.6	57.7	58.7	58.4	61.0	59.19
58.5	58.5	58.0	57.8	57.5	57.2	57.0	57.3	58.6	58.6	60.5	61.2	59.95
57.8	—	—	—	—	—	—	—	—	—	—	—	59.47
—	57.7	57.5	57.6	57.9	57.7	57.7	57.5	58.3	59.6	60.4	61.7	59.59
58.4	58.2	57.7	57.7	57.7	57.4	57.4	57.0	57.5	58.0	59.4	60.8	60.21
58.4	58.0	58.0	57.8	57.4	57.4	57.5	57.6	58.0	58.7	59.5	60.0	60.02
58.7	58.8	58.8	58.7	58.5	58.4	58.0	58.2	58.4	59.0	60.1	61.2	60.37
59.0	59.0	58.5	58.6	58.5	58.3	58.2	58.2	58.3	59.0	59.6	60.1	59.62
59.3	59.3	59.3	58.6	58.5	58.4	58.7	58.5	58.7	59.0	59.5	60.1	61.23
58.4	—	—	—	—	—	—	—	—	—	—	—	61.51
—	58.0	57.6	57.5	57.0	57.1	57.1	57.3	57.9	58.6	59.7	61.5	59.51
59.2	59.0	59.0	58.7	58.6	58.5	58.6	58.9	59.4	—	61.6	63.1	60.28
59.8	59.7	59.2	59.1	58.9	59.1	58.6	59.1	59.6	60.4	60.9	62.4	61.27
58.6	58.6	58.6	58.7	58.2	57.6	58.1	58.2	58.6	59.3	60.4	61.8	60.85
59.0	58.8	58.3	58.1	58.5	58.4	58.0	58.5	58.6	60.0	60.3	63.4	61.48
58.6	58.5	58.5	58.1	58.0	58.1	58.0	58.3	59.4	60.5	62.8	63.4	60.52
58.8	—	—	—	—	—	—	—	—	—	—	—	59.57
—	58.9	58.8	58.3	58.4	58.2	58.5	58.2	58.9	60.4	60.7	63.5	60.18
59.1	58.8	58.8	58.5	58.3	58.3	58.0	58.3	59.1	59.8	61.0	61.3	58.79
59.0	58.8	58.5	58.4	58.2	58.4	58.0	57.9	59.2	60.7	63.0	61.8	60.15
58.6	58.5	57.3	56.7	56.6	56.5	56.8	56.7	56.7	57.8	60.6	62.0	60.76
58.50	58.35	58.13	57.96	57.88	57.77	57.69	57.78	58.34	59.22	60.59	61.85	61.47
57.4	57.5	57.3	56.3	56.5	56.0	56.0	55.6	56.4	56.6	57.9	60.0	58.79
59.1	58.2	58.1	58.2	58.7	58.4	57.9	58.2	59.3	60.2	61.5	62.1	60.15
58.6	—	—	—	—	—	—	—	—	—	—	—	60.76
—	59.1	59.0	58.7	58.6	59.0	58.6	58.8	59.4	60.8	62.1	63.6	61.47
59.4	59.4	59.1	59.3	59.0	59.2	59.0	59.1	59.6	59.3	60.6	61.5	59.84
59.4	58.9	58.5	58.6	58.4	58.2	58.0	58.4	58.2	59.2	60.8	61.9	60.38
59.1	58.6	58.6	58.1	58.4	57.7	57.8	58.0	58.1	59.0	59.8	59.8	60.60
58.9	59.0	59.1	58.3	58.5	58.2	57.8	58.0	58.5	59.0	60.0	61.0	61.03
59.5	59.4	59.0	58.6	58.6	58.6	58.6	58.5	58.8	60.1	61.7	63.2	61.98
59.5	—	—	—	—	—	—	—	—	—	—	—	60.96
—	60.0	59.4	59.5	59.4	59.2	59.0	59.1	59.2	60.4	61.5	62.2	60.79
59.4	59.2	58.8	58.8	58.8	58.7	58.6	58.6	58.4	58.5	61.0	61.7	61.57
59.4	59.1	58.7	58.7	58.4	58.0	58.2	58.2	58.4	59.6	61.4	64.0	62.13
59.1	59.0	58.6	58.7	58.6	58.8	58.6	59.0	59.6	61.0	63.5	65.7	61.84
59.8	59.6	59.5	59.2	59.3	59.3	59.3	59.3	59.4	59.5	60.0	61.3	61.46
59.8	59.7	59.8	59.3	59.3	59.3	59.1	59.1	59.2	60.2	61.3	63.0	60.11
57.8	—	—	—	—	—	—	—	—	—	—	—	61.35
—	59.8	59.8	59.4	59.2	59.0	59.0	59.0	59.0	59.9	60.4	61.6	61.21
59.2	58.9	58.7	58.5	58.3	58.3	58.1	58.1	58.5	59.2	59.4	60.0	62.82
59.6	59.6	59.8	59.8	59.3	59.1	59.7	58.2	58.7	59.0	60.1	61.4	64.57
59.4	59.7	59.4	59.3	59.3	59.0	59.0	59.4	59.7	60.7	61.4	62.8	63.40
60.9	60.6	60.1	60.0	59.8	58.9	59.5	60.0	60.3	60.7	61.6	64.8	62.29
61.8	61.6	61.2	60.8	60.9	60.7	60.7	60.7	61.7	63.5	63.4	65.0	63.11
61.5	—	—	—	—	—	—	—	—	—	—	—	62.62
—	60.8	60.5	60.6	60.5	60.6	60.6	60.7	61.3	61.9	64.0	64.7	63.31
60.9	60.8	60.8	60.7	60.8	60.5	60.3	60.3	60.8	61.7	62.2	63.2	63.02
61.8	61.6	61.2	61.0	60.8	60.6	60.7	60.5	60.6	60.9	62.5	63.0	62.76
60.6	61.0	60.8	60.7	60.4	60.4	60.4	60.4	61.0	62.3	63.6	65.0	61.64
61.4	61.1	61.0	60.6	60.7	60.6	60.5	60.4	60.6	61.2	61.9	62.7	60.31
61.4	61.2	60.8	60.9	60.9	60.7	60.7	61.2	61.4	61.5	61.9	63.0	63.02
61.2	—	—	—	—	—	—	—	—	—	—	—	61.64
—	61.8	61.5	61.0	61.2	61.2	60.7	61.1	61.1	62.1	63.0	63.8	61.64
59.85	59.82	59.59	59.39	59.36	59.19	59.13	59.19	59.53	60.31	61.47	62.72	61.64



WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	JANUARY.	1	61.2	61.8	61.5	61.6	60.4	61.1	61.2	—	—	—	—	—	61.06	
		2	—	—	—	—	—	—	—	60.6	60.6	60.0	60.0	62.7	60.31	
		3	63.0	63.2	62.4	61.6	60.4	59.2	59.0	58.9	58.8	58.4	59.1	59.7	59.1	59.59
		4	61.0	61.6	61.7	60.9	58.8	58.7	58.7	59.0	58.2	58.6	58.8	59.1	59.1	61.93
		5	63.5	66.3	66.4	63.9	61.0	60.6	60.8	60.8	60.0	59.7	59.0	59.0	61.2	61.08
		6	62.5	62.6	62.1	62.1	59.6	61.0	60.5	60.5	60.6	60.6	60.0	60.4	61.1	60.42
		7	62.3	62.7	60.8	61.0	60.4	61.0	58.8	59.8	59.9	58.9	59.5	59.9	—	60.45
		8	60.3	61.2	62.0	60.6	60.2	59.8	59.7	—	—	—	—	—	—	60.45
		9	—	—	—	—	—	—	—	—	60.5	59.4	60.4	60.6	60.7	61.42
		10	65.6	67.1	66.0	61.9	60.5	61.1	60.4	58.4	59.7	57.7	58.6	60.1	60.1	59.93
		11	61.5	62.6	62.4	61.8	60.6	59.8	59.7	59.4	57.4	57.8	56.5	59.7	59.7	59.15
		12	66.6 <sup>a</sup>	67.8 <sup>a</sup>	67.6 <sup>a</sup>	65.6 <sup>a</sup>	61.8	60.2	57.6	59.4	58.1	58.6	57.0	60.5	60.5	60.91
		13	61.4	62.4	62.1	61.4	61.2	58.5	60.8	59.4	61.2	60.5	61.2	60.8	60.8	61.42
		14	62.5	62.4	63.3	61.2	60.9	61.0	61.3	60.5	60.8	60.6	61.0	61.0	61.6	60.81
		15	62.1	62.2	62.6	62.3	60.9	61.8	60.8	—	—	—	—	—	—	60.81
		16	—	—	—	—	—	—	—	57.8	59.0	59.2	59.5	61.5	61.5	62.23
		17	62.8	62.4	62.5	62.4	61.4	61.8	62.1	62.0	61.9	61.8	62.2	63.4	63.4	63.52
		18	64.8	65.0	65.0	64.0	63.6	62.8	62.8	62.5	62.2	—	62.4	63.6	63.6	62.62
		19	64.0	64.1	63.7	63.5	62.4	62.6	62.5	62.0	61.7	60.0	62.1	62.8	62.8	61.51
		20	64.0	63.6	62.6	62.9	61.9	61.2	60.8	61.0	60.4	59.7	59.8	60.2	60.2	60.92
		21	63.0	63.2	63.7	61.8	61.0	59.6	60.0	60.0	59.6	57.7	59.6	61.8	61.8	61.12
		22	62.3	63.6	62.3	62.6	60.6	59.8	59.6	—	—	—	—	—	—	61.12
		23	—	—	—	—	—	—	—	60.9	60.6	60.2	59.6	61.3	61.3	61.58
		24	62.8	63.6	63.6	62.4	60.2	60.4	60.4	61.0	61.2	61.0	60.3	62.1	62.1	62.20
		25	64.3	64.4	65.0	63.4	61.6	60.8	60.6	60.8	60.8	60.3	61.3	63.1	63.1	63.67
		26	62.6	64.6	64.4	63.5	62.4	62.5	63.1	63.6	63.7	63.8	64.3	65.6	65.6	64.03
		27	65.5	66.1	65.1	64.8	64.0	64.1	63.9	63.1	61.4	62.9	63.8	63.6	63.6	63.01
		28	65.2	64.9	64.8	64.0	62.8	61.6	61.5	62.0	61.6	—	62.2	62.5	62.5	62.70
		29	63.8	64.9	64.0	63.8	62.0	62.6	62.6	—	—	—	—	—	—	63.67
		30	—	—	—	—	—	—	—	59.0	59.8	62.8	63.2	63.9	63.9	63.67
		31	64.3	64.6	64.0	63.0	63.2	63.2	64.2	63.6	62.4	63.8	63.6	64.2	64.2	61.61
Hourly Means		63.05	63.64	63.36	62.50	61.30	61.03	60.90	60.63	60.42	60.18	60.60	61.80	61.61		
Dry Thermometer.	JANUARY.	1	66.9	68.4	67.6	66.2	62.6	62.4	62.2	—	—	—	—	—	63.76	
		2	—	—	—	—	—	—	—	62.0	61.3	60.6	61.4	63.5	61.73	
		3	63.8	64.0	63.4	62.3	61.0	61.0	60.9	60.6	60.2	60.2	60.4	63.0	62.52	
		4	65.4	65.2	63.7	62.8	61.6	61.3	61.3	61.3	60.9	61.1	61.2	64.4	64.4	63.21
		5	65.7	69.2	68.0	65.2	62.0	61.6	61.6	61.4	61.0	60.2	60.4	62.2	61.6	62.09
		6	64.3	65.2	64.8	63.6	60.2	61.4	60.9	61.0	61.0	60.4	60.7	61.6	60.8	61.24
		7	62.8	65.2	62.3	62.1	60.9	61.4	59.5	60.4	60.4	59.3	59.8	—	—	62.13
		8	61.2	64.2	64.6	63.0	61.7	61.2	61.4	—	—	—	—	—	—	63.70
		9	—	—	—	—	—	—	—	61.0	61.0	61.6	62.0	62.7	64.1	63.85
		10	66.6	68.9	67.4	65.9	62.6	62.4	61.6	60.9	61.6	60.8	61.6	61.6	65.1	62.19
		11	68.3	69.4	68.0	65.1	63.0	61.9	61.2	61.1	60.9	60.6	61.6	62.5	62.9	64.12
		12	68.5 <sup>b</sup>	69.8 <sup>b</sup>	69.8 <sup>b</sup>	66.8 <sup>b</sup>	62.8	62.6	61.8	62.1	62.2	60.6	62.4	64.8	64.8	63.90
		13	66.6	71.3	64.8	64.7	63.1	62.6	62.2	62.7	62.5	61.8	62.4	63.0	63.0	63.50
		14	66.2	67.2	69.1	64.9	63.2	63.2	63.1	61.8	61.9	61.4	61.8	—	—	64.27
		15	66.0	67.8	67.4	66.4	63.2	62.8	62.1	—	—	—	—	—	—	64.25
		16	—	—	—	—	—	—	—	61.7	60.5	60.6	60.6	62.9	64.0	63.34
		17	67.7	65.1	68.6	66.3	63.3	63.1	63.0	62.7	62.4	62.4	62.7	64.0	64.0	62.69
		18	65.3	66.5	66.0	64.9	64.2	63.2	63.2	63.0	62.6	—	62.8	64.0	64.0	64.44
		19	64.4	64.7	65.0	64.4	63.2	63.2	63.2	62.6	62.2	60.6	62.8	63.8	63.8	64.77
		20	64.8	64.4	63.4	64.1	63.0	62.0	61.8	61.8	61.2	60.3	61.9	63.6	63.6	65.33
		21	67.1	66.6	67.8	65.8	63.6	63.2	63.2	62.7	62.7	62.6	63.0	65.0	65.0	66.28
		22	68.4	68.6	67.3	66.4	63.6	63.2	63.2	—	—	—	—	—	—	66.26
		23	—	—	—	—	—	—	—	62.6	62.9	62.4	62.9	65.8	65.8	65.54
		24	69.0	70.8	70.9	68.0	64.0	63.0	62.2	62.3	62.4	62.6	63.2	65.6	65.6	65.17
		25	68.8	70.9	71.6	69.6	65.6	64.4	64.0	63.8	63.6	63.3	64.2	66.1	66.1	66.17
		26	67.6	71.8	70.0	67.4	65.2	64.5	64.6	64.5	64.3	64.3	64.8	66.4	66.4	66.17
		27	67.4	69.8	68.4	67.7	64.8	64.8	64.7	63.7	62.4	63.8	64.6	64.4	64.4	66.17
		28	67.2	68.0	69.9	66.4	64.6	63.6	63.5	63.0	62.8	—	63.0	64.9	64.9	67.22
		29	68.4	69.5	69.7	68.3	64.9	64.4	64.2	—	—	—	—	—	—	66.17
		30	—	—	—	—	—	—	—	63.2	64.0	64.2	64.8	68.5	68.5	67.22
		31	70.5	71.7	72.2	71.0	66.4	65.6	65.4	65.0	64.5	65.0	64.4	64.9	64.9	64.00
Hourly Means		66.42	67.78	67.28	65.70	63.24	62.85	62.54	62.27	62.05	61.70	62.36	64.12	64.00		

<sup>a</sup> Silk dry—omitted.<sup>b</sup> Omitted in the hourly means.

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21		
Wet Thermometer.	FEBRUARY.	1	65.3	66.0	65.7	65.1	64.6	65.0	64.8	64.2	64.6	64.1	64.4	64.9	64.89
		2	66.5	67.0	66.6	66.2	65.6	65.6	65.1	64.4	64.1	64.0	63.8	64.6	65.29
		3	65.6	66.5	65.6	64.9	64.0	64.1	64.2	64.2	63.1	62.8	62.9	64.1	64.33
		4	65.9	65.1	63.4	63.9	62.4	62.6	63.2	62.0	61.4	61.1	62.0	63.4	63.03
		5	64.4	63.3	64.2	62.7	62.2	62.1	61.7	—	—	—	—	—	62.32
		6	—	—	—	—	—	—	—	61.5	61.0	60.2	61.8	62.8	62.8
		7	63.4	63.2	64.0	64.0	62.2	63.3	62.9	62.8	62.4	62.7	63.4	64.6	63.24
		8	65.8	65.1	65.1	63.9	63.4	63.6	62.8	63.4	62.8	62.9	63.1	64.4	63.86
		9	65.0	65.0	65.1	64.0	64.0	63.2	63.3	63.2	62.8	62.5	62.5	64.0	63.72
		10	65.1	65.3	65.4	64.3	64.7	64.8	64.7	64.1	62.8	64.0	64.0	65.1	64.52
		11	65.6	65.8	66.6	65.4	65.0	65.0	65.1	64.8	64.4	63.8	62.0	64.2	64.81
		12	64.4	65.6	65.4	64.8	63.5	64.2	63.4	—	—	—	—	—	63.75
		13	—	—	—	—	—	—	—	63.0	63.0	61.9	62.0	63.8	63.4
		14	64.0	64.8	64.6	63.8	62.8	63.2	61.0	61.0	62.4	60.7	62.6	63.4	62.86
		15	65.0	65.3	64.9	64.1	64.2	63.9	64.1	63.7	63.6	—	—	65.0	64.38
		16	65.0	65.0	65.0	64.9	64.4	64.4	64.6	63.7	64.2	64.2	63.9	64.0	64.44
		17	65.0	64.4	65.6	64.3	64.3	63.0	63.4	63.8	63.4	63.3	63.2	64.2	63.99
		18	64.1	65.0	65.0	63.4	63.7	62.4	61.4	61.8	61.1	61.1	61.6	62.6	62.77
		19	63.4	64.6	64.0	63.4	61.3	60.1	60.6	—	—	—	—	—	61.47
		20	—	—	—	—	—	—	—	59.5	59.4	59.9	60.3	61.2	62.38
		21	62.9	64.4	64.8	63.7	62.0	61.9	62.4	62.8	60.6	60.2	60.5	62.4	62.38
		22	64.1	64.6	64.2	63.8	62.7	64.0	63.6	63.2	62.8	63.3	63.0	64.3	63.63
		23	66.0	64.7	65.9	65.0	64.3	62.2	64.3	63.0	63.2	62.6	62.4	64.7	64.02
		24	65.7	65.1	65.9	65.0	63.6	63.0	63.0	63.2	62.8	62.3	63.0	64.6	63.93
		25	64.1	64.4	66.0	65.1	63.8	63.7	62.8	62.8	63.0	63.2	62.3	63.6	63.73
		26	64.3	64.5	65.6	64.4	62.8	62.8	62.3	—	—	—	—	—	62.90
		27	—	—	—	—	—	—	—	60.9	61.2	60.5	61.9	63.6	62.90
		28	63.6	65.0	64.2	62.6	62.8	61.6	61.0	61.0	60.6	61.0	59.3	64.2	62.24
Hourly Means		64.80	64.99	65.12	64.28	63.51	63.32	63.15	62.83	62.53	62.36	62.43	63.90	63.69	
Dry Thermometer.	FEBRUARY.	1	67.9	69.5	69.6	68.2	66.2	66.0	65.5	64.9	65.2	64.7	65.0	67.2	66.66
		2	68.3	70.0	69.1	67.1	66.2	66.1	65.5	64.8	64.4	64.4	64.2	65.0	66.26
		3	66.0	67.0	67.2	66.2	64.8	64.8	64.9	64.8	63.7	63.4	63.4	64.6	65.07
		4	66.3	65.6	64.0	64.5	62.9	63.2	63.8	62.6	62.2	62.6	63.5	64.4	63.80
		5	65.4	65.1	66.7	65.5	64.2	63.7	63.2	—	—	—	—	—	64.17
		6	—	—	—	—	—	—	—	63.4	62.8	61.9	63.8	64.4	64.17
		7	68.0	70.1	71.6	67.2	65.2	65.3	64.7	64.4	64.2	64.2	64.8	66.4	66.34
		8	71.4	69.4	68.4	65.7	64.7	64.6	64.2	64.3	63.8	63.8	63.9	65.2	65.78
		9	66.0	65.8	66.1	65.4	65.0	64.4	64.4	64.5	64.0	63.9	63.2	65.7	64.87
		10	68.1	68.5	67.7	66.8	65.6	65.4	65.2	64.5	63.3	64.8	64.6	65.9	65.87
		11	66.6	68.8	69.3	66.4	65.6	65.4	65.5	65.2	65.0	64.0	62.3	64.6	65.72
		12	65.2	67.3	67.2	66.9	64.9	65.2	64.6	—	—	—	—	—	64.91
		13	—	—	—	—	—	—	—	63.6	63.5	62.8	62.9	64.8	64.91
		14	66.2	68.0	67.8	66.5	64.4	64.8	63.6	63.8	64.4	62.6	63.5	64.3	64.99
		15	66.5	66.6	66.1	65.0	64.9	64.4	64.5	64.2	64.6	—	—	65.4	65.22
		16	65.2	65.4	65.4	65.2	65.0	65.0	65.0	64.2	64.8	64.6	64.3	64.6	64.89
		17	65.4	64.9	66.1	65.3	65.0	64.2	64.8	64.5	64.2	64.0	64.0	65.0	64.78
		18	65.0	67.2	67.6	65.8	64.4	64.0	63.2	63.4	63.3	63.4	63.4	65.8	64.71
		19	68.4	69.0	69.4	66.2	64.8	64.2	63.9	—	—	—	—	—	65.22
		20	—	—	—	—	—	—	—	63.0	62.7	63.0	63.3	64.7	65.22
		21	68.1	70.4	70.2	67.6	64.6	64.6	64.8	64.8	64.0	63.9	64.3	67.4	66.22
		22	66.8	68.6	69.4	67.8	66.2	65.8	64.8	64.4	64.2	64.4	64.5	66.0	66.07
		23	70.9	71.8	70.5	70.0	66.2	65.2	65.9	64.4	64.3	64.0	63.4	65.7	66.86
		24	69.4	69.5	70.3	68.3	65.9	64.8	64.4	64.4	64.0	63.6	64.3	67.0	66.32
		25	69.9	72.6	71.1	67.9	65.8	65.5	64.8	64.6	64.4	64.6	64.3	66.0	66.79
		26	68.1	69.5	69.8	67.6	65.4	65.0	64.5	—	—	—	—	—	65.62
		27	—	—	—	—	—	—	—	62.6	62.7	62.2	63.2	66.8	65.62
		28	69.0	71.4	69.1	68.6	65.2	63.7	63.0	62.8	62.4	62.7	62.4	67.9	65.68
Hourly Means		67.42	68.42	68.32	66.74	65.13	64.80	64.53	64.09	63.84	63.63	63.76	65.62	65.54	

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	MARCH.	1	66.0	65.4	68.7	67.6	65.1	64.6	64.6	62.8	62.8	63.4	65.1	66.5	65.22	
		2	67.9	68.7	67.6	66.9	66.6	65.4	65.2	65.3	65.0	64.1	65.0	66.6	66.19	
		3	68.2	69.5	71.4	69.6	67.0	66.2	66.2	66.0	65.5	65.4	66.2	67.8	67.42	
		4	68.9	69.1	70.2	68.9	67.3	67.2	65.5	66.2	66.0	66.4	65.7	66.1	67.29	
		5	66.0	65.7	66.5	65.7	65.1	63.6	63.2	—	—	—	—	—	—	64.80
		6	—	—	—	—	—	—	—	—	65.1	65.0	64.2	63.7	63.8	65.52
		7	66.1	67.8	68.1	66.7	65.7	65.8	65.2	64.0	64.9	62.4	64.2	65.3	66.38	
		8	65.6	67.3	69.4	67.4	66.0	66.2	66.2	65.4	65.5	65.6	65.5	66.5	65.84	
		9	67.5	67.4	67.8	66.6	65.8	65.9	64.6	65.8	64.2	64.0	64.6	64.6	65.9	64.87
		10	65.4	67.9	67.0	65.3	65.2	65.0	65.2	64.9	64.4	62.8	62.9	62.5	64.76	
		11	66.2	66.0	67.8	67.5	64.1	63.6	64.1	63.3	63.2	—	62.7	63.9	64.96	
		12	68.3	67.5	68.0	65.6	63.9	63.6	63.4	—	—	—	—	—	63.11	
		13	—	—	—	—	—	—	—	—	63.5	62.5	63.4	64.4	65.4	64.20
		14	64.2	63.8	64.7	62.3	63.0	63.0	64.0	63.8	59.5	61.8	63.0	64.2	65.8	64.26
		15	64.9	65.9	65.1	64.5	63.0	63.0	64.0	64.0	63.8	63.0	63.4	63.5	64.2	63.33
		16	65.5	66.5	65.2	65.2	63.8	64.5	63.4	63.3	63.2	62.8	62.5	61.5	63.6	63.37
		17	64.9	65.4	64.6	64.3	63.8	62.1	61.7	62.4	63.2	62.5	62.3	63.7	65.0	65.09
		18	63.3	62.5	65.2	64.8	62.7	62.0	63.0	62.7	63.3	62.3	—	—	—	64.79
		19	65.6	66.0	65.4	64.2	64.4	65.0	64.6	—	—	—	—	—	—	63.42
		20	—	—	—	—	—	—	—	65.7	65.1	64.9	64.9	65.3	64.6	65.92
		21	67.7	67.3	66.1	64.6	63.8	63.8	64.3	64.7	64.5	63.1	63.0	64.6	63.8	65.37
		22	65.8	65.8	65.4	64.2	63.6	62.4	61.9	61.9	62.0	60.6	63.7	63.8	65.4	65.32
		23	67.0	68.9	67.8	66.2	65.4	65.4	65.9	64.9	64.8	64.8	64.5	65.4	65.2	63.55
		24	67.1	66.5	66.1	65.4	65.5	65.2	65.5	64.2	64.4	64.7	64.3	65.6	65.2	63.37
		25	66.7	66.8	66.9	65.4	64.4	64.8	65.0	64.8	64.5	64.2	65.2	65.2	—	64.47
		26	67.5	67.0	— <sup>a</sup>	64.8	63.3	63.4	63.6	—	—	—	—	—	—	64.94
		27	—	—	—	—	—	—	—	61.8	61.4	61.4	62.4	62.5	—	63.79
		28	64.2	65.2	64.7	63.1	62.0	60.9	63.9	62.2	63.4	63.0	63.2	64.7	66.1	65.13
		29	65.8	65.7	65.7	65.0	64.6	65.0	65.5	64.3	64.6	64.5	64.8	66.1	65.3	65.18
		30	66.5	65.8	66.6	65.7	64.8	65.4	64.9	64.5	64.6	64.4	63.7	65.3	65.2	64.47
		31	66.6	66.3	65.6	64.8	63.8	63.8	64.1	63.6	63.5	63.6	62.8	65.2	—	64.94
Hourly Means		66.27	66.58	66.83	65.64	64.58	64.32	64.39	64.11	63.88	63.58	63.98	65.07	64.94		
Dry Thermometer.	MARCH.	1	70.6	72.4	73.5	70.6	67.0	66.5	66.8	64.9	65.6	65.2	66.4	67.9	68.12	
		2	71.7	71.3	70.9	69.6	67.4	66.6	66.2	65.9	65.8	65.1	66.3	69.4	68.02	
		3	72.8	75.3	76.2	73.2	68.9	67.7	67.6	67.2	66.7	66.6	66.6	69.6	69.92	
		4	71.8	73.6	74.2	71.3	68.4	68.0	67.2	66.9	66.6	66.9	66.3	66.6	68.98	
		5	67.2	67.8	69.2	66.9	66.1	65.2	65.2	—	—	—	—	—	—	66.41
		6	—	—	—	—	—	—	—	65.8	65.6	65.7	65.1	67.1	66.2	67.05
		7	70.0	70.3	69.7	68.0	66.6	66.8	66.2	65.6	66.0	63.8	65.4	66.2	66.9	67.71
		8	67.7	71.2	71.9	68.8	67.1	67.0	66.9	66.0	66.0	66.1	66.9	66.9	66.7	66.47
		9	68.0	67.8	68.4	67.6	66.6	66.6	65.2	66.4	64.8	64.5	65.1	66.7	66.4	66.44
		10	66.3	68.9	69.8	67.2	66.3	66.0	66.1	65.8	65.3	63.7	64.7	67.2	65.9	66.52
		11	68.6	68.7	70.4	69.3	65.5	64.9	65.2	64.7	64.6	—	63.9	65.9	—	66.40
		12	70.3	69.1	69.7	67.3	65.2	64.9	64.6	—	—	—	—	—	—	66.23
		13	—	—	—	—	—	—	—	64.6	64.3	64.7	65.4	66.7	65.3	66.89
		14	67.8	71.0	69.5	67.4	66.0	65.5	65.6	65.2	64.2	63.1	64.2	64.2	68.4	66.87
		15	67.5	70.1	70.2	68.5	65.8	65.8	65.5	65.5	65.2	64.9	65.3	64.5	65.8	66.32
		16	69.6	71.5	70.5	70.0	66.4	66.0	65.0	64.7	64.5	63.9	64.5	65.8	66.4	66.30
		17	67.9	70.8	71.4	69.2	65.8	64.8	64.1	64.4	64.1	64.1	63.5	65.8	66.4	66.88
		18	69.0	70.2	70.6	68.4	65.3	64.4	64.2	64.4	64.5	63.4	64.8	66.4	—	66.45
		19	69.5	69.7	68.8	67.4	66.0	65.8	65.2	—	—	—	—	—	—	66.04
		20	—	—	—	—	—	—	—	66.7	65.9	65.8	65.6	66.2	65.9	66.05
		21	69.8	70.6	68.5	66.9	65.6	65.4	65.5	65.6	65.4	64.3	63.9	65.9	66.4	66.84
		22	69.1	68.0	68.6	67.8	65.6	64.8	64.1	63.8	63.6	63.2	65.1	68.8	66.4	67.07
		23	69.8	71.5	70.0	67.6	66.4	66.2	66.5	65.4	65.3	65.3	65.1	65.8	66.4	66.05
		24	67.6	67.1	66.9	66.5	66.4	65.8	66.0	64.7	65.0	65.3	64.9	66.4	67.0	66.84
		25	67.9	69.8	70.3	67.8	65.8	65.8	65.8	65.6	65.2	64.8	66.3	—	—	66.56
		26	69.3	70.6	—	68.9	66.2	65.4	65.6	—	—	—	—	—	—	67.07
		27	—	—	—	—	—	—	—	65.2	64.9	64.4	65.0	66.7	68.5	67.95
		28	69.9	71.2	70.3	67.7	65.7	64.8	65.9	65.2	65.4	65.0	65.3	68.5	67.1	67.33
		29	71.1	72.3	71.6	70.0	67.4	66.6	66.0	65.3	65.5	65.4	64.6	67.1	67.6	66.85
		30	69.6	70.4	71.5	69.0	66.8	66.6	66.0	65.5	65.6	65.3	64.8	64.7	—	67.03
		31	67.9	71.7	69.8	68.4	66.4	65.6	65.6	64.9	64.8	64.8	64.7	67.6	—	67.03
Hourly Means		69.19	70.48	70.48	68.57	66.39	65.91	65.69	65.40	65.20	64.82	65.23	67.05	67.03		

<sup>a</sup> The floss silk, or muslin covering of the bulb, allowed to dry.

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	APRIL.	1	66°0	65°4	66°6	65°2	64°4	64°9	65°1	64°7	63°4	62°5	63°0	64°2	64°62	
		2	65°0	65°2	66°0	65°0	63°6	64°0	63°4	—	—	—	—	—	64°61	
		3	—	—	—	—	—	—	—	—	64°4	64°4	64°4	64°3	65°6	
		4	65°0	66°4	64°0	64°2	64°5	64°1	64°4	64°4	63°8	63°2	62°9	62°9	64°8	64°18
		5	65°9	65°7	66°1	64°6	64°4	64°1	64°4	64°4	63°4	62°7	—	63°8	65°3	64°58
		6	66°3	67°4	66°4	65°4	63°6	64°2	64°2	63°8	63°8	64°4	63°9	63°9	65°1	64°88
		7	65°9	66°8	65°6	64°6	63°7	62°6	63°1	62°9	63°3	63°6	63°6	63°7	64°5	64°19
		8	65°7	65°1	64°4	62°6	63°6	62°8	63°5	60°3	61°2	61°2	61°2	61°6	61°1	62°76
		9	63°0	64°2	62°6	60°4	61°9	62°6	60°4	—	—	—	—	—	—	63°08
		10	—	—	—	—	—	—	—	—	64°4	64°8	64°2	64°3	64°2	63°86
		11	65°2	66°5	65°5	65°5	65°4	64°0	64°4	64°4	64°2	63°8	64°2	63°3	65°2	64°77
		12	66°3	65°2	65°2	63°8	63°3	63°2	63°4	63°8	63°8	61°5	62°3	62°3	63°1	63°62
		13	64°4	64°7	64°0	63°5	62°8	62°8	62°4	62°8	62°8	63°5	63°3	63°8	65°1	63°59
		14	65°4	65°2	65°9	65°3	65°2	64°9	65°3	65°2	65°2	64°8	64°1	64°8	65°6	65°14
		15	66°8	67°0	66°8	66°0	65°2	65°4	65°2	64°6	64°6	63°8	64°9	64°9	65°4	65°47
		16	66°6	66°8	66°6	65°8	64°9	65°0	64°0	—	—	—	—	—	—	63°86
		17	—	—	—	—	—	—	—	—	63°3	62°6	60°6	58°7	61°4	62°13
		18	62°0	62°6	62°6	61°6	61°2	61°4	60°6	61°4	62°8	63°0	63°0	63°3	63°1	63°12
		19	64°2	65°1	65°6	63°3	62°2	62°7	63°2	62°8	63°2	61°8	61°0	61°0	62°4	60°68
		20	63°7	61°8	61°8	60°6	59°4	60°8	60°1	60°3	60°8	59°8	58°2	58°2	60°9	61°65
		21	62°3	64°6	63°2	62°2	61°2	61°4	62°2	60°9	61°5	58°0	58°7	58°7	63°6	61°16
		22	63°4	62°7	63°4	62°0	61°8	61°8	59°4	59°5	57°8	—	59°3	59°3	61°7	62°52
		23	61°7	64°0	64°3	63°3	62°5	62°6	61°9	—	—	—	—	—	—	62°61
		24	—	—	—	—	—	—	—	—	60°2	61°6	61°5	62°3	64°4	62°36
		25	63°8	62°9	63°4	62°9	62°6	62°2	61°8	62°2	62°0	62°0	61°8	63°7	61°8	61°77
		26	62°4	64°8	63°0	62°4	62°6	62°4	61°9	62°4	62°0	—	60°3	61°8	62°7	62°14
		27	61°8	63°0	66°6	60°7	60°7	61°8	60°3	60°9	60°5	59°8	62°4	62°4	63°2	61°61
		28	63°9	63°6	63°3	62°1	61°8	61°6	61°4	61°2	61°0	60°6	62°0	60°9	59°7	60°46
		29	63°4	63°6	63°6	62°4	62°0	62°0	61°0	60°9	58°6	61°2	60°9	—	—	—
		30	62°0	62°7	61°8	61°4	61°4	61°0	62°8	—	—	—	—	—	—	—
		31	—	—	—	—	—	—	—	—	58°8	57°6	58°7	58°6	58°7	—
Hourly Means		64°31	64°73	64°55	63°34	62°92	62°93	62°68	62°43	62°22	62°06	62°08	63°33	63°14		
Dry Thermometer.	APRIL.	1	68°7	71°0	71°6	69°4	66°6	66°4	66°4	65°8	64°2	63°3	63°9	65°6	66°91	
		2	69°6	70°9	68°3	68°0	65°6	65°6	64°8	—	—	—	—	—	66°74	
		3	—	—	—	—	—	—	—	—	65°3	65°4	65°3	66°7	65°75	
		4	68°4	70°2	66°6	66°2	66°0	65°2	65°4	64°6	63°9	63°6	63°6	65°3	66°11	
		5	66°9	67°9	68°2	66°3	65°8	65°4	65°4	64°5	64°1	—	64°8	67°9	66°61	
		6	70°6	70°4	69°0	66°6	64°6	65°2	65°3	65°2	65°4	64°8	65°0	67°2	66°58	
		7	69°9	70°8	69°5	68°6	66°0	64°7	64°8	64°4	64°5	64°8	64°9	66°1	65°32	
		8	69°2	67°4	67°1	66°0	65°0	64°4	64°4	62°8	64°0	63°8	63°6	66°1	65°55	
		9	69°0	68°8	65°7	65°3	64°7	64°2	63°2	—	—	—	—	—	64°9	
		10	—	—	—	—	—	—	—	—	65°1	65°5	65°2	65°0	64·9	
		11	65°9	67°1	66°1	66°0	65°9	65°5	64°9	64°8	64°4	65°2	64°9	64·9	66·3	
		12	68°6	69°6	68°8	66°6	65°2	65°2	65°0	65°3	63°8	64°3	64°3	66·9	66·13	
		13	68°1	68°5	68°7	66°8	65°6	65°2	65°0	64·9	64·4	64·1	64·5	65·7	65·96	
		14	66°0	66°7	66°5	65°8	65°6	65°3	65°7	65°6	65°1	64°4	65°2	66°0	65°66	
		15	67°2	67°4	67°2	66°6	65°5	65°7	65°4	65°0	65°0	64°2	65°3	65°7	65°85	
		16	67°0	67°2	67°4	67°0	65°7	65°6	64°7	—	—	—	—	—	—	
		17	—	—	—	—	—	—	—	—	64°4	63°8	62°4	62°5	65°6	
		18	67°8	68°3	67°6	65°4	64°2	63°9	63°2	63°5	64°2	64°4	64°4	64°6	65°12	
		19	67°4	68°6	69°3	65°7	64°0	64°0	64°4	64°1	63°8	62°9	62°2	66°0	65°20	
		20	69°5	68°8	69°1	66°4	63°4	64°0	63°6	63°5	63°4	63°1	61°3	65°6	65°14	
		21	67°6	71°0	70°2	66°8	64°4	64°4	64°4	63°1	63°5	62°8	61°9	66°7	65°57	
		22	67°6	67°8	68°7	66°0	64°8	64°6	64°2	64°6	63°7	—	64°0	67°2	65°75	
		23	66°5	69°0	68°2	66°1	64°0	64°2	63°2	—	—	—	—	—	—	
		24	—	—	—	—	—	—	—	—	62°1	63°0	63°2	63°6	66°1	
		25	67°5	67°7	68°4	67°1	64°9	64°4	63°8	63°9	63°5	63°7	63°8	65°4	65°34	
		26	67°9	67°7	66°1	64°0	63°8	63°4	63°5	63°7	63°2	—	62°6	64°6	64°59	
		27	65°3	69°0	68°3	65°9	64°2	64°2	63°2	63°0	63°2	62°8	64°3	65°7	64°92	
		28	67°9	68°4	67°7	65°8	64°4	64°3	63°8	63°4	63°5	61°7	63°1	65°4	64°95	
		29	66°1	66°6	67°5	63°9	63°4	62°8	63°2	61°8	62°0	62°2	62°6	62°6	63°72	
		30	66°1	66°1	66°0	64°8	63°9	64°0	63°8	—	—	—	—	—	—	
		31	—	—	—	—	—	—	—	—	63°6	63°0	63°4	63°6	66°1	
Hourly Means		67°78	68°57	67°99	66°27	64°89	64°68	64°41	64°15	63°98	63°73	63°85	65°85	65°53		

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.	
	Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21
Wet Thermometer.  MAY.	2	62.6	62.6	62.0	60.3	60.3	61.2	61.0	60.2	60.8	60.6	60.4	62.4	61.20
	3	61.2	62.1	64.2	62.9	62.0	61.2	60.8	61.4	61.4	60.2	59.8	62.2	61.62
	4	64.4	64.6	65.4	64.2	63.8	64.0	63.4	63.7	64.0	64.3	64.9	66.0	64.39
	5	67.3	67.0	67.2	66.5	65.6	65.1	65.3	65.0	64.6	64.8	65.3	66.5	65.85
	6	66.8	68.4	68.0	66.5	64.8	64.8	64.5	64.2	64.2	63.4	63.2	66.2	65.42
	7	67.0	66.6	66.6	66.2	65.1	64.7	64.3	—	—	—	—	—	64.67
	8	—	—	—	—	—	—	—	62.5	62.3	62.8	63.3	64.7	
	9	65.7	65.2	64.9	63.2	62.4	62.0	62.2	61.5	60.9	61.2	62.2	64.1	62.96
	10	64.5	65.5	66.1	64.1	62.0	62.6	62.4	61.6	61.0	61.7	62.2	63.7	63.12
	11	65.7	66.9	66.7	64.0	62.7	62.8	63.1	62.6	62.1	62.3	61.2	64.1	63.68
	12	66.7	64.5	64.1	63.5	62.8	62.2	62.6	62.4	62.0	62.6	62.2	63.6	63.27
	13	64.6	65.9	65.3	62.8	61.2	60.4	60.8	60.0	60.4	60.2	60.4	61.0	61.92
	14	63.1	66.2	65.3	63.8	63.0	62.0	61.4	—	—	—	—	—	62.28
	15	—	—	—	—	—	—	—	—	—	—	—	—	
	16	—	—	—	—	—	—	—	61.4	59.2	60.0	60.6	61.4	61.80
	17	61.6	63.5	61.6	62.4	60.9	61.5	61.1	59.9	61.0	62.6	62.7	62.8	
	18	63.0	62.9	63.1	62.2	61.4	60.4	60.0	58.6	58.3	58.8	58.6	60.5	60.65
	19	61.2	60.8	61.7	60.4	59.7	57.3	60.2	—	56.1	57.4	57.2	58.7	59.15
	20	59.5	61.2	59.6	57.5	57.1	59.0	59.6	59.9	58.8	59.1	57.9	58.5	58.97
	21	60.8	61.6	61.5	58.8	59.7	60.2	60.7	—	—	—	—	—	59.47
	22	—	—	—	—	—	—	—	59.1	58.8	57.9	56.8	57.7	
	23	56.7	59.2	58.4	58.7	59.0	59.7	60.2	59.8	59.3	59.0	58.7	59.6	59.02
	24	62.2	64.3	63.6	62.6	62.1	61.6	61.4	62.0	61.4	60.7	60.4	61.8	62.01
	25	63.7	63.0	62.0	60.6	61.0	60.5	61.0	60.5	59.6	58.3	58.9	60.0	60.76
	26	60.8	61.9	60.2	59.1	59.8	61.1	60.0	60.6	59.2	59.1	57.4	59.6	59.90
	27	59.3	60.5	60.0	59.2	58.8	58.4	59.5	57.0	58.1	57.8	59.0	60.6	59.02
	28	58.2	59.8	59.8	60.3	60.4	58.7	59.2	—	—	—	—	—	58.96
	29	—	—	—	—	—	—	—	59.0	59.6	57.1	56.4	59.0	
	30	59.9	61.3	60.6	59.8	58.8	55.9	54.8	57.8	55.9	58.0	57.5	58.0	58.19
	31	59.0	60.3	60.2	58.9	58.5	58.0	57.8	57.3	57.0	55.1	56.3	58.4	58.07
	Hourly Means		62.62	63.43	63.12	61.94	61.32	61.01	61.09	60.75	60.24	60.20	60.16	61.62
Dry Thermometer.  MAY.	2	65.2	69.0	68.8	65.6	63.9	63.8	64.5	62.8	63.6	62.7	61.6	64.4	64.66
	3	66.3	68.2	68.8	65.1	64.2	63.6	63.6	63.0	62.8	62.7	63.0	66.0	64.77
	4	66.5	68.8	67.8	65.7	64.8	64.8	64.1	64.2	64.5	64.8	65.3	66.5	65.65
	5	67.7	67.4	67.8	67.3	66.2	65.7	65.8	65.6	65.2	65.4	65.8	67.1	66.42
	6	68.0	71.0	70.6	68.6	66.0	65.8	65.4	65.0	64.8	64.2	63.9	67.0	66.69
	7	68.8	67.8	68.0	67.4	66.1	65.6	65.2	—	—	—	—	—	65.78
	8	—	—	—	—	—	—	—	63.5	63.4	63.6	64.1	65.9	
	9	68.2	68.8	67.7	65.6	64.2	63.6	63.6	63.0	62.4	62.6	63.6	66.0	64.94
	10	67.6	69.0	68.3	65.8	63.6	63.7	63.4	62.8	62.2	62.7	63.1	65.2	64.78
	11	67.7	68.2	66.8	64.9	63.7	63.6	63.8	63.3	63.1	63.1	62.4	65.2	64.65
	12	68.0	65.1	65.0	64.8	63.9	63.1	63.4	63.4	62.8	63.2	63.2	64.5	64.20
	13	66.1	67.2	66.6	65.0	63.6	63.0	63.2	62.9	62.8	63.2	62.8	64.4	64.23
	14	66.5	68.2	66.9	64.8	64.0	63.0	62.6	—	—	—	—	—	64.19
	15	—	—	—	—	—	—	—	—	—	—	—	—	
	16	—	—	—	—	—	—	—	63.6	62.2	62.5	63.0	63.0	64.04
	17	66.8	67.1	66.1	64.4	61.7	62.8	62.8	62.4	62.8	63.7	63.7	64.2	
	18	64.0	64.2	65.1	64.9	63.3	62.8	62.5	61.4	61.0	61.1	61.9	63.6	62.98
	19	65.0	66.9	66.2	63.8	62.5	62.3	63.2	—	62.0	62.4	62.6	64.7	63.78
	20	66.9	66.7	65.5	63.7	62.0	62.8	62.6	62.5	62.1	61.7	62.2	64.8	63.62
	21	67.3	67.6	66.8	64.6	62.5	62.2	62.7	—	—	—	—	—	63.63
	22	—	—	—	—	—	—	—	62.0	61.6	61.1	61.2	64.0	
	23	64.8	66.4	65.4	63.7	62.6	62.5	62.8	62.4	62.3	62.2	62.6	65.5	63.60
	24	67.9	68.2	65.2	63.8	63.4	63.0	63.3	63.0	62.3	61.6	61.4	64.5	63.97
	25	65.9	67.8	66.3	63.7	63.3	63.1	63.1	62.2	61.6	61.8	61.9	63.6	63.69
	26	66.3	65.9	65.5	63.4	62.0	62.2	60.9	61.4	60.2	61.2	61.2	61.7	62.66
	27	63.8	65.8	65.6	63.1	61.6	62.0	62.0	62.2	62.6	62.4	61.7	62.4	62.93
	28	65.6	67.0	65.8	64.4	61.8	59.7	61.6	—	—	—	—	—	62.89
	29	—	—	—	—	—	—	—	60.8	61.2	61.4	61.6	63.8	
	30	65.5	66.6	65.9	62.9	62.1	61.4	61.7	62.2	61.4	59.1	59.0	61.7	62.46
	31	64.4	65.8	64.0	61.2	60.0	60.1	58.8	58.4	58.6	58.4	58.6	61.6	60.82
	Hourly Means		66.43	67.39	66.66	64.73	63.32	63.05	63.06	62.67	62.38	62.35	62.46	64.45

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.			
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21				
Wet Thermometer.	JUNE.	1	58.4	59.5	60.4	59.8	59.2	59.2	59.5	57.6	57.8	57.0	55.9	57.5	58.48	
		2	60.6	58.9	58.4	57.5	57.3	58.2	58.4	58.4	59.0	59.3	60.0	59.8		58.82
		3	60.5	59.9	59.2	57.6	57.5	57.8	57.6	56.7	56.4	58.2	56.7	59.1		
		4	59.0	58.2	59.2	58.0	58.1	56.8	57.4	—	—	—	—	—		57.10
		5	—	—	—	—	—	—	—	55.2	54.8	55.6	55.6	57.3		
		6	58.1	58.9	58.5	57.4	57.8	56.0	56.1	54.5	57.0	57.8	57.9	58.0		57.33
		7	58.0	55.9	55.5	54.2	53.4	53.5	52.4	53.5	53.6	54.0	53.5	55.7		
		8	57.1	57.5	56.8	57.2	57.0	56.6	57.6	56.5	56.6	55.3	57.2	57.6		56.92
		9	58.4	59.0	57.6	56.1	55.0	57.4	58.2	56.2	55.1	56.4	58.8	57.9		
		10	57.9	58.4	58.7	56.1	57.0	56.8	56.9	56.0	57.4	55.9	57.8	56.8		57.14
		11	57.2	58.2	57.5	57.6	56.7	57.0	57.6	—	—	—	—	—		
		12	—	—	—	—	—	—	—	57.7	56.0	57.0	57.0	58.5		57.77
		13	59.5	59.8	58.5	58.4	57.8	57.0	56.8	57.0	56.3	56.4	57.3	58.4		
		14	59.4	59.2	58.3	56.6	56.8	56.4	56.2	56.1	56.9	56.6	57.2	58.4		58.23
		15	58.9	60.9	59.7	58.7	56.4	57.5	58.1	57.2	57.4	58.5	59.2	60.9		
		16	63.8	64.5	63.4	62.0	60.8	60.2	59.8	60.0	59.2	58.2	58.8	60.6		58.23
		17	62.2	63.3	62.4	61.3	59.6	56.0	54.5	56.2	54.7	54.1	54.5	60.0		
		18	65.3	63.9	63.3	63.0	59.0	58.4	58.2	—	—	—	—	—		59.48
		19	—	—	—	—	—	—	—	61.2	60.7	60.2	59.7	60.7		
		20	61.8	62.2	61.8	60.0	58.4	58.9	58.8	58.0	58.4	58.6	57.5	59.4		58.06
		21	60.6	60.6	60.8	60.4	59.8	58.7	59.8	59.1	58.9	58.4	59.4	60.0		
		22	60.1	60.8	59.5	59.6	57.5	59.3	58.2	56.8	55.8	55.0	56.4	57.7		56.78
		23	57.5	57.4	57.8	56.1	55.8	54.5	55.4	53.9	54.4	54.6	55.3	56.8		
		24	59.0	59.0	58.5	57.6	57.0	56.2	56.4	56.6	54.2	55.9	55.3	55.7		56.82
		25	57.9	57.2	57.8	56.4	56.5	53.9	53.7	—	—	—	—	—		
		26	—	—	—	—	—	—	—	56.8	57.2	56.3	56.2	57.4		56.82
		27	59.0	59.5	58.9	56.6	56.0	55.5	54.8	54.8	56.6	56.5	56.8	56.8		
		28	56.5	57.8	57.8	57.2	57.0	57.2	56.6	55.4	55.0	55.3	55.3	56.5		56.82
		29	58.2	59.0	58.0	56.9	57.0	56.2	55.6	57.1	56.4	56.0	56.2	55.3		
		30	58.4	57.6	57.8	56.4	56.2	57.3	57.6	57.5	56.6	57.6	57.8	59.9		57.72
		Hourly Means	59.36	59.50	59.08	58.03	57.33	57.02	57.01	56.77	56.63	56.72	57.05	58.18		
Dry Thermometer.	JUNE.	1	65.0	65.5	62.8	61.4	60.4	60.6	60.6	60.0	60.0	59.8	60.2	61.6	61.49	
		2	62.9	63.8	64.5	62.3	61.3	61.2	61.0	61.4	61.4	61.0	60.8	60.7		61.86
		3	61.2	60.6	61.3	60.9	60.1	60.2	58.8	58.5	57.9	58.9	58.2	60.9		
		4	61.7	61.2	60.7	60.8	60.6	57.6	58.9	—	—	—	—	—		59.78
		5	—	—	—	—	—	—	—	59.4	58.4	58.7	59.1	60.3		
		6	61.6	63.9	62.1	60.9	59.8	59.2	59.7	57.8	59.7	59.2	58.5	59.0		58.15
		7	60.0	60.4	60.8	58.2	56.8	57.5	57.4	58.0	56.6	56.8	55.8	59.5		
		8	59.4	60.6	58.8	58.4	58.0	57.8	58.8	57.4	57.5	56.4	58.0	58.5		59.56
		9	59.6	61.9	61.4	59.3	59.6	58.8	59.3	57.6	58.4	58.8	59.7	60.3		
		10	58.8	59.9	61.6	60.3	59.4	59.9	59.6	59.2	59.2	58.4	58.6	58.4		59.12
		11	59.1	62.3	61.2	59.0	57.8	58.6	58.6	—	—	—	—	—		
		12	—	—	—	—	—	—	—	58.8	58.2	58.1	57.9	59.9		59.03
		13	61.5	63.1	62.3	60.2	59.6	58.4	58.2	58.3	57.1	57.2	57.9	59.0		
		14	59.9	60.0	61.2	59.6	58.6	58.3	58.1	58.4	58.1	57.7	58.5	60.0		60.88
		15	61.0	63.2	62.5	61.4	58.7	59.3	59.4	58.4	58.4	59.5	60.1	61.9		
		16	65.0	66.8	65.7	63.9	62.1	61.2	60.8	60.8	60.0	59.4	59.6	61.4		62.41
		17	64.3	66.0	65.3	63.6	61.2	58.6	57.8	59.4	57.4	56.9	57.1	63.0		
		18	67.9	68.3	68.4	65.8	61.4	61.2	60.7	—	—	—	—	—		60.96
		19	—	—	—	—	—	—	—	61.2	60.9	61.0	60.7	62.6		
		20	64.7	66.2	64.9	62.8	61.6	61.2	60.9	60.7	61.2	60.6	61.0	63.1		59.23
		21	65.2	64.9	64.0	62.9	61.7	60.6	60.3	60.4	60.2	59.9	60.5	61.2		
		22	61.8	63.6	63.7	61.8	60.2	61.2	59.8	59.6	60.0	59.6	60.0	60.2		57.67
		23	62.6	63.1	62.8	60.8	59.8	59.5	59.8	58.9	59.0	59.0	59.9	60.1		
		24	62.8	64.2	62.2	60.8	59.2	58.6	58.6	58.3	58.0	57.8	57.9	60.0		59.60
		25	60.8	62.0	62.8	60.5	59.6	57.9	56.9	—	—	—	—	—		
		26	—	—	—	—	—	—	—	57.9	58.2	57.2	57.4	59.6		59.13
		27	61.2	63.0	62.1	60.0	58.5	58.0	58.0	58.7	57.6	57.2	57.6	57.7		
		28	58.4	60.3	59.0	58.2	57.8	57.8	57.4	56.1	55.8	56.6	56.6	58.1		58.92
		29	59.6	60.5	61.1	59.0	58.3	58.3	57.8	58.3	57.8	58.0	58.0	60.3		
		30	62.2	60.3	61.3	60.0	58.8	60.0	59.0	58.3	57.4	58.7	58.8	60.4		60.11
		Hourly Means	61.85	62.91	62.48	60.88	59.65	59.29	59.08	58.92	58.63	58.55	58.78	60.30		

WET AND DRY THERMOMETERS.																
Hours of Mean Göttingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	JULY.	1	59.3	59.5	57.8	58.0	56.8	57.0	54.5	53.8	54.2	54.8	55.3	55.1	56.34	
		2	58.4	59.2	58.4	57.8	56.8	57.5	56.2	—	—	—	—	—	56.38	
		3	—	—	—	—	—	—	—	54.7	54.4	53.4	53.2	56.6	56.51	
		4	57.3	56.6	57.2	56.6	56.4	56.2	55.6	56.0	56.6	56.6	56.6	55.6	57.6	57.20
		5	58.6	59.0	58.1	57.2	57.0	57.1	56.9	55.2	56.5	56.6	56.6	55.6	56.2	55.99
		6	58.7	57.4	58.2	56.9	55.6	54.3	53.8	54.6	55.3	55.3	55.6	54.9	55.1	56.15
		7	56.9	57.8	58.7	57.6	55.8	55.1	54.4	55.5	56.4	55.6	53.9	54.4	56.0	55.18
		8	55.5	54.7	57.7	56.5	55.2	55.1	54.2	54.2	—	—	—	—	—	—
		9	56.6	58.3	57.9	56.6	55.8	56.2	55.2	—	—	—	—	—	—	56.09
		10	—	—	—	—	—	—	—	—	56.4	54.8	54.3	55.5	55.5	—
		11	56.7	56.8	55.8	54.4	53.8	54.2	54.7	54.4	55.0	54.9	54.9	55.4	55.6	55.14
		12	57.4	57.2	56.8	55.9	55.5	55.3	55.4	55.4	54.4	54.4	53.0	54.1	54.5	55.41
		13	55.4	56.7	55.7	54.7	53.0	52.2	52.9	52.8	52.2	52.2	53.0	—	52.7	53.75
		14	53.8	54.9	55.3	55.0	54.5	55.0	55.0	53.2	52.8	53.6	55.0	57.6	57.6	54.64
		15	56.7	57.2	57.4	55.6	56.1	54.7	55.2	54.9	55.2	55.4	54.8	56.4	56.4	55.80
		16	56.7	57.2	57.0	56.0	55.4	55.0	54.4	—	—	—	—	—	—	—
		17	—	—	—	—	—	—	—	—	56.2	55.6	55.2	55.8	57.3	55.98
		18	58.9	59.4	59.4	57.4	56.8	56.4	55.8	56.1	55.6	55.4	55.7	58.0	58.0	57.07
		19	58.1	58.0	58.4	55.8	55.2	55.0	54.6	52.8	51.9	51.1	52.0	56.7	56.7	54.97
		20	58.0	58.7	57.0	55.8	55.5	55.8	55.9	55.2	55.0	53.6	51.4	51.6	51.6	55.29
		21	53.0	53.6	52.1	50.4	50.9	51.6	49.8	50.2	52.1	50.5	50.1	52.8	52.8	51.42
		22	55.4	55.1	53.5	52.7	51.4	50.0	52.8	52.4	52.3	51.5	51.9	52.1	52.1	52.59
		23	54.1	56.9	55.4	54.6	54.6	54.4	54.5	—	—	—	—	—	—	—
		24	—	—	—	—	—	—	—	—	53.2	53.3	53.3	53.5	53.5	54.27
		25	54.7	56.1	55.9	56.2	54.0	52.7	52.8	53.8	55.0	54.8	54.4	54.2	54.2	54.55
		26	54.4	55.6	55.6	54.4	52.9	53.0	54.8	54.0	53.0	53.4	54.6	55.1	55.1	54.23
		27	57.1	58.1	57.6	56.6	56.1	55.6	55.4	56.4	56.2	55.9	56.4	56.4	56.9	56.52
		28	57.9	58.9	58.6	58.0	56.6	56.4	56.1	56.8	55.5	56.4	56.5	56.5	57.9	57.13
		29	58.1	58.1	58.7	58.2	57.2	58.0	57.7	57.2	56.4	55.2	55.1	56.1	56.1	57.17
		30	55.9	56.5	55.6	56.0	55.6	55.1	54.8	—	—	—	—	—	—	—
		31	—	—	—	—	—	—	—	—	56.6	52.4	55.1	55.6	57.0	55.52
Hourly Means		56.68	57.21	56.92	55.96	55.17	54.96	54.75	54.69	54.50	54.29	54.54	55.60	55.44		
Dry Thermometer.	JULY.	1	59.8	60.0	58.4	58.4	57.2	57.8	57.2	57.3	57.6	58.2	58.0	59.0	58.24	
		2	61.5	62.5	61.7	60.3	59.4	59.4	58.0	—	—	—	—	—	58.79	
		3	—	—	—	—	—	—	—	56.9	56.8	55.8	55.8	57.4	57.54	
		4	59.1	59.3	58.8	57.6	57.5	57.0	56.2	56.6	57.0	57.0	56.2	58.2	58.09	
		5	59.3	59.8	59.4	58.4	58.2	58.0	57.6	56.2	57.4	57.2	57.2	58.4	58.50	
		6	61.0	60.8	61.8	59.9	57.9	56.9	56.8	57.1	57.4	56.9	57.4	57.1	59.5	58.85
		7	59.6	60.9	62.7	60.7	58.1	57.4	56.6	57.6	58.2	57.8	57.1	59.5	58.69	
		8	61.1	61.9	61.4	59.5	58.0	57.7	57.1	56.8	57.2	56.4	57.4	59.8	59.8	58.66
		9	61.4	61.8	61.2	59.3	58.2	58.5	57.8	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	57.7	56.8	55.3	57.2	58.7	58.7	57.78
		11	60.4	61.4	60.2	58.6	57.2	56.7	56.4	56.4	56.3	56.2	56.4	57.2	57.2	57.53
		12	59.8	61.1	60.6	58.9	57.4	56.6	56.6	56.8	55.3	55.5	56.0	55.8	55.8	56.64
		13	56.6	58.9	58.5	56.0	55.8	55.6	55.9	56.2	56.0	56.1	—	57.4	57.4	58.50
		14	59.5	60.6	59.8	59.0	58.0	57.9	57.8	56.8	57.8	58.5	57.4	58.9	58.9	57.18
		15	59.6	60.6	59.6	57.4	57.2	55.6	56.1	55.6	55.8	56.0	55.5	57.2	57.2	56.79
		16	57.4	58.0	59.0	57.2	56.2	56.0	55.2	—	—	—	—	—	—	—
		17	—	—	—	—	—	—	—	56.8	56.0	55.6	56.3	57.8	57.8	58.12
		18	59.4	60.4	61.0	59.0	57.8	57.4	56.9	57.1	56.6	56.4	56.6	58.8	58.8	56.43
		19	59.1	59.4	60.3	58.3	56.9	55.7	56.2	54.3	53.2	52.3	53.5	58.0	58.0	57.31
		20	59.2	61.5	58.4	57.4	56.9	56.9	56.9	56.4	56.0	56.0	55.1	57.0	57.0	56.55
		21	58.6	59.6	58.6	56.3	55.4	56.0	55.4	55.4	55.5	54.6	55.4	57.8	57.8	55.82
		22	56.8	59.4	58.8	57.1	56.2	55.8	54.8	53.4	53.8	53.4	54.2	56.1	56.1	56.31
		23	57.8	59.9	56.7	55.7	55.6	55.2	55.1	—	—	—	—	—	—	—
		24	—	—	—	—	—	—	—	—	54.8	56.2	55.4	56.0	57.3	57.34
		25	60.0	61.1	60.8	59.3	56.0	54.6	54.5	56.0	56.4	56.0	56.2	57.0	59.2	58.07
		26	58.6	60.8	59.9	59.4	57.5	57.0	57.4	57.2	56.2	56.7	57.0	59.2	59.2	58.95
		27	60.2	61.7	61.6	59.4	58.4	57.7	57.8	58.2	57.9	57.6	57.9	59.0	59.0	59.40
		28	60.5	62.5	62.3	60.5	58.6	58.3	58.1	58.7	57.7	58.0	58.2	59.4	59.4	59.20
		29	60.6	61.8	61.1	60.3	58.8	59.3	58.9	58.4	58.2	57.3	57.5	58.2	58.2	58.02
		30	59.8	60.8	60.3	58.3	57.0	56.1	55.9	—	—	—	—	—	—	—
		31	—	—	—	—	—	—	—	—	58.0	57.0	57.7	57.0	58.4	57.82
Hourly Means		59.49	60.63	60.11	58.55	57.36	56.97	56.66	56.64	56.55	56.30	56.50	58.07	57.82		

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.	0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19	21			
Wet Thermometer.	AUGUST.	1	57.3	57.6	58.4	57.1	57.5	56.4	56.7	56.4	56.6	56.2	56.1	56.90	
		2	57.0	58.0	57.7	56.8	56.4	55.8	54.1	55.9	54.8	54.6	54.4	56.6	56.01
		3	57.8	56.5	58.0	56.5	56.4	56.0	55.9	54.1	53.6	53.2	55.0	56.3	55.77
		4	57.3	55.9	54.7	55.7	54.8	52.4	52.1	56.2	55.1	52.8	54.5	55.2	54.73
		5	54.6	55.0	55.4	56.0	56.5	56.0	55.5	53.7	55.1	55.3	53.4	53.5	55.00
		6	57.3	57.5	55.3	56.5	54.4	56.0	56.3	—	—	—	—	—	55.05
		7	—	—	—	—	—	—	—	54.0	52.6	53.0	53.5	54.2	
		8	55.7	55.6	54.7	55.5	55.3	55.1	54.3	54.2	53.8	53.6	53.7	56.2	54.81
		9	56.7	57.4	56.8	56.3	55.7	55.8	55.8	55.8	55.0	54.6	54.6	56.0	55.87
		10	57.5	57.2	56.1	54.3	53.6	52.9	53.8	53.0	52.1	52.0	53.6	55.0	54.26
		11	55.8	56.8	55.9	54.5	52.8	53.2	53.7	55.7	53.1	53.0	53.6	55.5	54.47
		12	56.3	56.7	56.7	54.9	55.1	54.6	55.0	54.6	53.5	53.4	53.6	56.8	55.10
		13	57.2	56.8	58.0	56.0	55.2	54.2	53.0	—	—	—	—	—	54.79
		14	—	—	—	—	—	—	—	52.4	52.8	52.4	53.7	55.8	
		15	57.0	57.5	56.4	55.3	54.4	53.2	53.8	54.4	54.0	53.6	54.1	54.6	54.86
		16	55.7	55.7	55.2	54.3	53.4	53.4	53.4	53.1	53.0	52.8	53.8	55.2	54.08
		17	55.7	57.2	57.4	56.3	55.2	55.4	54.8	55.2	54.4	54.2	53.8	54.0	55.30
		18	53.7	55.1	54.0	53.5	53.4	53.1	52.1	52.8	53.0	52.6	52.6	54.3	53.35
		19	55.2	55.7	55.2	53.5	53.8	53.4	53.4	54.4	54.0	53.8	53.9	56.2	54.37
		20	56.2	56.2	55.9	55.8	55.4	56.0	55.0	—	—	—	—	—	55.74
		21	—	—	—	—	—	—	—	56.4	56.0	55.2	55.0	55.8	
		22	57.7	57.8	56.6	56.7	55.8	56.6	55.6	55.4	55.6	55.6	55.6	55.9	56.24
		23	54.2	56.0	55.0	55.1	55.1	54.3	55.8	55.6	55.7	55.8	54.8	55.3	55.23
		24	56.2	55.2	58.9	55.7	55.5	56.1	55.4	55.2	54.2	54.0	53.4	54.2	55.33
		25	56.3	55.9	56.2	53.8	53.6	52.5	51.8	53.1	53.8	51.6	53.0	53.6	53.77
		26	55.8	56.7	56.1	54.3	53.9	52.6	52.2	52.2	52.0	51.8	51.9	53.7	53.60
		27	55.6	55.4	56.6	55.6	55.1	55.8	55.4	—	—	—	—	—	54.83
		28	—	—	—	—	—	—	—	52.6	54.2	53.7	54.2	53.8	
		29	56.5	57.7	56.7	55.4	52.8	54.5	53.2	53.6	53.2	53.8	52.5	53.8	54.47
		30	54.8	56.2	56.2	53.8	53.7	56.0	53.2	54.8	55.2	55.0	54.2	55.1	54.85
		31 <sup>a</sup>	56.7	56.4	56.5	55.5	54.0	53.9	54.9	—	—	—	—	—	—
Hourly Means	56.20	56.51	56.31	55.35	54.80	54.66	54.28	54.41	54.09	53.75	53.94	55.12	54.95		
Dry Thermometer.	AUGUST.	1	58.6	58.8	60.8	59.1	58.7	57.6	57.8	57.6	57.2	57.2	57.8	58.23	
		2	58.8	60.6	61.0	59.3	58.2	57.6	56.8	57.7	57.1	57.0	57.1	59.7	58.41
		3	61.0	62.0	61.4	59.2	58.2	57.7	57.8	56.9	56.7	56.7	57.4	59.8	58.73
		4	60.7	60.3	60.9	59.6	58.0	57.8	57.2	58.4	57.5	56.5	57.7	59.1	58.64
		5	60.8	59.0	61.5	58.8	58.3	58.0	57.7	56.3	56.7	56.7	56.6	58.7	58.26
		6	60.8	60.0	59.3	57.8	57.0	58.0	57.9	—	—	—	—	—	57.49
		7	—	—	—	—	—	—	—	56.8	56.1	55.0	54.8	56.4	
		8	57.1	61.6	57.4	58.3	57.2	56.4	55.7	55.6	55.2	55.3	55.4	57.2	56.87
		9	57.6	58.3	58.2	57.7	56.6	56.6	56.4	56.4	55.5	55.4	55.2	56.7	56.72
		10	58.4	58.4	58.6	57.4	56.8	56.7	56.0	56.2	55.9	55.7	55.1	57.8	56.92
		11	59.4	60.1	60.5	58.5	57.2	57.1	56.1	56.0	55.5	54.3	54.8	56.9	57.20
		12	57.6	59.9	59.6	57.4	56.6	56.3	56.2	55.9	54.7	55.2	55.4	57.9	56.89
		13	58.7	59.2	59.1	57.2	56.2	55.3	55.2	—	—	—	—	—	56.88
		14	—	—	—	—	—	—	—	55.4	55.8	55.4	56.1	59.0	
		15	62.1	62.7	60.6	58.8	57.8	56.2	56.3	56.6	56.4	56.4	56.8	57.4	58.17
		16	59.5	60.0	59.4	58.3	56.8	56.9	56.6	56.0	55.7	56.0	57.0	57.2	57.45
		17	60.8	60.9	59.0	58.5	57.4	57.1	56.8	56.8	55.6	55.0	54.6	56.6	57.42
		18	57.4	59.2	57.5	55.6	55.2	54.4	54.2	54.1	53.7	53.1	53.2	55.2	55.23
		19	56.2	57.1	56.4	54.5	55.2	54.6	54.8	55.3	54.8	54.6	54.7	56.8	55.42
		20	57.5	58.0	58.0	57.4	56.8	57.1	56.1	—	—	—	—	—	57.09
		21	—	—	—	—	—	—	—	57.4	56.9	56.2	56.0	57.7	
		22	61.1	61.3	59.2	58.6	57.5	57.8	56.7	56.4	56.8	56.6	56.8	57.8	58.05
		23	61.1	59.4	60.9	58.4	57.4	56.4	57.5	57.2	56.9	56.8	55.9	57.2	57.93
		24	58.2	56.8	61.6	57.9	57.7	57.3	56.8	57.1	56.4	56.2	54.8	57.2	57.33
		25	59.6	61.0	61.3	58.3	57.0	56.8	55.8	56.2	56.6	56.0	56.2	57.6	57.70
		26	60.6	61.6	58.9	57.4	56.8	55.6	55.7	55.5	55.3	55.0	55.2	57.2	57.07
		27	58.8	58.8	59.6	57.1	56.1	56.6	56.4	—	—	—	—	—	56.96
		28	—	—	—	—	—	—	—	55.6	56.4	55.4	55.5	57.2	
		29	59.5	62.1	61.1	58.3	57.2	57.4	57.0	56.8	56.2	56.5	55.9	58.1	58.01
		30	60.4	61.0	61.4	57.8	57.5	57.6	56.3	56.8	56.3	55.7	55.2	58.3	57.86
		31 <sup>a</sup>	59.0	59.9	61.4	58.6	56.4	56.4	56.2	—	—	—	—	—	—
Hourly Means	59.32	59.54	59.74	57.97	57.13	56.80	56.45	56.42	56.08	55.77	55.79	57.63	57.42		

<sup>a</sup> Omitted in the means.



WET AND DRY THERMOMETERS.															
Hours of Mean } Göttingen Time. }		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean } St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	SEPTEMBER.	1	—	57.2	56.2	56.7	56.2	55.3	55.3	54.0	52.2	52.5	52.9	53.2	
		2	58.0	58.6	58.6	58.3	58.1	57.9	57.6	57.2	57.1	56.9	56.8	56.4	
		3	55.4	55.9	55.6	56.5	55.9	55.1	55.3	55.0	55.2	54.8	54.2	54.0	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	55.8	56.8	56.6	56.5	56.1	56.2	55.2	55.2	55.0	53.4	54.2	54.9	55.2
		6	55.9	56.3	55.8	56.4	55.7	55.0	54.7	54.4	54.4	53.7	54.2	53.8	53.4
		7	55.5	55.2	56.8	57.3	56.7	56.0	55.2	54.0	54.0	54.6	54.2	53.3	53.5
		8	54.7	55.9	56.3	56.1	56.4	56.6	56.5	56.5	55.6	55.3	54.2	54.7	54.3
		9	57.4	57.1	57.3	56.8	56.0	55.8	54.2	54.2	53.8	53.8	53.8	53.6	53.5
		10	56.9	57.4	57.7	57.3	57.7	57.6	57.3	56.8	56.8	57.2	57.4	57.4	57.0
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	57.4	58.2	58.0	57.8	57.4	56.6	56.3	56.3	55.8	55.8	55.7	55.8	56.0
		13	58.0	57.6	57.7	57.9	58.0	57.4	55.8	56.1	55.3	55.3	55.7	55.9	55.0
		14	57.0	58.2	58.4	58.5	58.0	56.6	56.6	56.1	55.8	55.6	55.0	55.1	54.9
		15	57.3	57.2	57.1	57.8	56.9	55.9	56.9	55.5	56.2	56.2	54.9	55.5	55.2
		16	57.8	58.7	58.9	57.4	58.5	57.8	57.1	56.9	57.0	57.0	56.6	57.2	57.0
		17	57.4	57.6	57.9	57.9	57.7	57.3	55.9	56.7	55.9	55.9	57.2	56.6	56.3
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	57.9	57.4	58.0	57.1	57.3	56.9	56.3	54.6	54.6	54.6	53.4	53.6	55.0
		20	55.5	56.4	56.6	56.2	55.5	55.1	55.0	53.4	53.0	53.0	53.8	53.6	53.3
		21	56.4	57.0	57.7	57.9	57.9	56.9	56.6	55.9	56.6	56.6	55.6	56.2	54.2
		22	58.8	58.4	58.7	57.9	58.1	57.8	57.3	56.8	57.0	57.0	57.0	56.8	56.8
		23	56.8	56.4	57.2	57.2	57.2	56.4	56.3	56.0	55.1	56.3	54.1	54.1	53.6
		24	56.5	57.0	56.8	55.6	55.8	56.2	55.5	54.8	54.2	54.6	54.0	54.0	53.5
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	57.4	58.4	58.2	57.9	57.7	57.4	56.0	55.5	55.8	56.5	56.2	56.2	55.4
		27	58.3	58.7	58.6	59.2	58.6	57.5	56.6	56.3	56.5	56.5	55.6	55.9	55.6
		28	58.7	59.7	60.8	62.5	60.4	58.7	57.6	56.8	56.5	56.5	56.2	55.8	55.6
		29	58.4	59.7	60.8	60.0	60.2	59.2	58.1	56.2	56.4	56.4	56.6	56.6	57.1
		30	59.4	59.8	59.4	59.6	59.6	59.1	58.5	57.8	57.6	58.5	58.0	58.0	58.0
		Hourly Means		57.14	57.57	57.76	57.70	57.45	56.86	56.28	55.66	55.45	55.44	55.33	55.12
Dry Thermometer.	SEPTEMBER.	1	—	58.2	57.3	59.0	58.2	58.2	57.6	56.8	56.1	56.5	56.2	56.0	
		2	60.4	61.8	61.2	59.9	59.2	58.8	58.4	57.8	57.6	57.4	57.4	57.0	
		3	59.0	59.0	58.6	58.9	58.9	58.4	56.9	56.5	57.0	56.6	56.1	55.8	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	58.6	59.7	59.7	59.6	58.2	58.4	57.7	57.1	56.4	56.8	57.2	57.2	57.2
		6	58.9	59.8	59.7	59.8	59.1	58.3	57.9	56.8	56.6	56.2	56.3	56.3	55.9
		7	58.8	59.0	60.9	61.5	60.8	59.8	58.2	57.0	57.4	57.2	56.8	56.8	56.8
		8	57.7	59.7	60.6	59.6	59.8	60.2	59.0	57.4	57.2	57.1	57.4	57.4	56.6
		9	61.6	62.9	63.4	63.1	61.2	59.5	58.6	58.0	57.4	57.2	57.0	57.0	57.0
		10	61.0	61.6	62.3	61.2	60.7	60.2	59.1	58.2	58.2	58.0	58.1	58.1	57.6
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	57.9	58.9	58.7	58.8	58.4	57.5	57.2	56.6	56.5	56.3	56.4	56.4	56.6
		13	59.3	60.0	61.4	60.4	60.6	59.6	58.1	58.0	57.2	57.4	57.4	57.4	56.7
		14	59.9	61.0	61.1	61.3	61.2	59.3	58.4	57.8	57.4	56.9	56.8	56.8	56.6
		15	60.1	60.4	60.8	60.4	59.7	58.8	59.0	57.9	57.9	57.4	57.7	57.7	57.4
		16	61.2	60.9	61.6	60.8	61.6	60.8	59.5	58.6	58.4	57.9	58.4	58.4	58.1
		17	60.1	60.4	61.1	60.6	59.8	60.0	58.8	58.6	57.4	58.7	58.0	58.0	57.6
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	61.5	61.6	61.9	62.3	61.0	59.7	58.8	57.4	57.4	56.9	57.1	57.1	57.7
		20	61.8	61.2	61.9	60.4	60.1	60.2	59.0	57.7	57.2	57.6	57.2	57.2	56.9
		21	62.0	63.0	62.2	61.6	60.8	60.3	59.0	58.4	57.8	57.2	57.4	57.4	56.5
		22	60.5	60.7	61.3	61.0	60.1	59.4	58.4	57.6	57.8	57.4	57.3	57.3	57.4
		23	57.2	56.8	57.6	57.7	57.8	57.2	57.4	57.4	56.4	57.4	55.0	55.0	55.4
		24	60.4	60.7	61.5	61.0	57.8	58.6	57.4	57.0	56.1	55.8	55.3	55.3	54.8
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	62.0	63.2	63.0	63.4	63.7	63.1	60.5	59.3	58.8	58.7	58.2	58.2	57.7
		27	61.4	62.3	62.5	63.5	62.4	61.2	59.6	58.5	58.5	57.7	57.7	57.7	57.4
		28	62.2	63.6	65.2	66.7	64.4	62.1	60.6	59.7	59.0	58.5	58.1	58.1	57.9
		29	62.6	64.0	65.4	65.1	65.5	63.8	61.3	59.2	58.8	59.0	58.9	58.9	59.2
		30	61.5	63.0	63.8	64.3	64.0	62.9	61.2	59.8	59.4	59.9	59.2	59.2	59.1
		Hourly Means		60.30	60.90	61.33	61.23	60.58	59.86	58.75	57.89	57.53	57.45	57.25	57.03

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
53.2	53.0	53.4	53.2	54.2	53.8	53.9	54.2	54.3	55.4	57.0	57.8	54.57
56.7	55.6	55.8	54.7	54.3	53.8	53.5	53.6	53.8	53.4	54.8	55.1	56.11
53.8	—	—	—	—	—	—	—	—	—	—	—	54.52
—	53.3	53.4	53.9	53.6	53.1	53.6	52.9	53.7	54.1	54.9	55.4	54.85
54.4	54.1	53.7	53.6	53.6	53.4	53.9	54.5	54.3	54.7	54.8	55.4	54.19
53.5	53.2	53.6	53.3	52.6	53.0	53.4	52.8	52.8	53.3	54.5	55.3	54.37
53.8	53.8	54.4	53.5	53.6	53.1	52.4	52.6	53.2	53.6	54.1	54.4	54.78
53.2	54.3	54.2	53.9	54.4	54.0	52.4	53.9	52.9	54.0	54.8	56.2	54.50
53.8	53.9	53.2	53.0	52.7	53.2	53.3	53.7	53.1	53.9	54.9	55.9	56.29
56.6	—	—	—	—	—	—	—	—	—	—	—	55.90
—	55.2	55.4	55.5	54.2	54.6	54.3	54.3	54.0	55.6	56.5	57.0	55.91
55.8	54.8	54.0	54.3	54.8	54.3	54.6	54.6	54.7	55.2	56.5	57.3	55.87
55.0	55.6	55.3	55.5	54.8	54.7	54.1	54.4	54.4	54.8	55.9	56.9	55.86
54.6	55.8	54.8	54.5	54.4	55.3	55.0	54.5	55.1	54.9	56.4	56.4	57.00
54.6	55.0	55.1	55.3	55.2	54.8	54.8	55.0	55.4	55.9	56.9	56.2	55.95
56.4	56.2	56.8	56.2	56.3	56.3	56.2	56.0	56.5	57.3	56.4	56.6	54.75
56.3	—	—	—	—	—	—	—	—	—	—	—	54.25
—	54.0	54.1	54.9	53.4	55.1	53.3	53.2	55.5	55.8	55.8	56.9	55.94
54.6	54.2	53.5	53.2	52.4	53.0	52.1	52.2	53.0	54.4	53.9	55.5	56.94
54.7	54.7	53.6	53.6	53.5	52.2	52.8	52.4	53.8	53.6	54.0	55.6	54.62
53.8	54.8	55.6	54.7	54.2	54.7	54.4	55.6	55.2	56.0	57.0	57.7	54.59
56.8	56.8	56.6	56.4	56.4	56.5	56.8	56.5	55.7	55.1	55.6	55.9	56.07
54.1	53.1	53.4	53.5	53.9	52.2	51.8	52.0	52.4	52.8	54.5	54.7	56.59
53.6	—	—	—	—	—	—	—	—	—	—	—	56.99
—	53.2	52.8	54.0	54.2	52.3	52.6	53.4	53.3	54.3	55.3	56.7	57.80
55.8	55.0	54.4	54.2	54.6	54.6	54.6	54.2	55.2	56.0	56.7	57.9	58.64
55.6	55.3	56.0	56.0	55.5	55.1	55.4	55.4	55.5	55.9	57.1	58.0	55.06
55.8	55.2	55.3	55.2	55.4	55.4	55.0	55.3	55.6	55.7	56.8	57.8	54.79
57.0	56.4	56.6	56.7	56.5	57.8	56.8	56.7	57.9	57.9	58.6	58.9	54.73
58.0	58.2	58.0	57.3	57.7	57.6	58.0	58.2	58.6	59.5	60.2	60.7	54.62
55.06	54.79	54.73	54.62	54.48	54.38	54.19	54.31	54.61	55.12	55.92	56.62	55.69
56.0	56.4	56.6	56.2	56.7	56.0	56.2	56.4	56.2	57.8	58.6	59.9	57.09
57.2	56.0	56.2	55.1	54.7	54.4	54.2	54.9	55.0	55.2	57.5	57.9	57.30
55.4	—	—	—	—	—	—	—	—	—	—	—	56.78
—	55.5	55.1	55.4	55.2	54.9	55.6	55.2	56.1	56.4	57.7	58.5	57.02
56.7	56.4	55.9	55.9	55.8	55.4	55.4	55.5	55.1	55.6	56.4	57.7	57.23
56.2	56.0	56.3	56.0	55.6	55.9	56.0	55.7	56.0	56.8	58.4	59.4	57.68
57.0	56.8	56.9	56.5	56.6	56.2	55.8	55.9	56.2	56.9	57.4	58.0	57.77
55.7	56.4	56.2	56.1	56.4	56.2	56.2	57.2	57.1	57.4	59.0	60.3	58.45
56.9	56.8	56.5	56.4	56.3	56.7	56.4	56.8	56.9	57.4	58.6	60.2	57.80
57.2	—	—	—	—	—	—	—	—	—	—	—	56.72
—	56.2	56.1	56.2	55.2	55.1	54.8	54.9	54.6	56.1	57.0	57.5	57.80
56.3	55.4	54.6	54.9	55.6	55.4	55.6	55.8	55.7	56.3	57.6	58.4	57.66
57.0	57.2	56.4	56.6	56.0	56.2	55.8	56.0	56.3	56.6	57.9	59.1	58.12
56.2	57.0	56.1	55.8	55.5	56.4	56.0	55.5	56.1	55.8	57.3	58.5	58.73
56.8	57.0	56.9	56.8	56.6	56.2	56.2	56.6	57.0	57.9	59.4	59.9	58.47
57.4	57.1	57.7	57.0	57.2	57.1	57.0	56.9	57.6	58.6	58.6	59.4	58.22
57.8	—	—	—	—	—	—	—	—	—	—	—	58.23
—	56.8	56.6	57.2	56.3	57.1	56.4	56.8	57.6	58.2	59.9	61.6	58.43
57.1	56.8	56.7	56.3	56.3	56.2	56.0	55.9	56.7	57.3	58.4	60.4	57.83
57.6	57.1	57.0	56.6	56.6	56.0	56.0	56.2	57.0	57.5	58.2	60.6	56.60
56.5	57.2	57.5	56.3	56.2	56.5	56.6	57.3	56.8	57.9	58.6	58.7	57.24
57.2	57.2	57.0	56.8	56.8	56.7	57.1	56.9	56.1	55.4	56.0	56.2	59.42
56.0	55.6	55.8	56.1	56.1	55.2	55.1	55.3	55.6	56.6	58.0	59.6	58.91
54.6	—	—	—	—	—	—	—	—	—	—	—	59.69
—	55.7	55.8	56.0	55.9	55.2	55.6	56.0	56.2	57.8	58.2	60.4	60.25
58.0	57.4	57.4	57.1	57.2	57.1	56.9	56.6	57.4	58.4	59.7	61.3	60.35
57.4	57.0	57.4	57.4	57.0	56.6	56.9	56.8	57.0	57.7	59.4	60.5	57.80
57.8	57.3	57.3	57.1	57.3	57.3	57.0	57.2	57.6	58.2	59.6	60.8	58.22
58.8	58.2	58.4	58.2	57.2	58.7	57.8	57.8	58.9	59.0	59.8	60.5	58.43
59.2	59.2	58.8	58.1	58.4	58.4	58.6	58.7	59.1	60.0	60.6	61.1	57.83
56.92	56.76	56.66	56.47	56.33	56.27	56.20	56.34	56.61	57.26	58.38	59.48	56.60

WET AND DRY THERMOMETERS.														
Hours of Mean } Göttingen Time. }		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean } St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	OCTOBER.	1	61.1	60.1	61.0	60.4	59.7	59.0	58.7	57.8	58.0	58.0	57.4	56.9
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	56.8	57.1	58.6	59.2	57.9	57.0	56.8	55.5	55.4	55.4	55.9	54.8
		4	57.1	57.2	58.2	58.5	58.0	57.1	56.7	56.2	55.8	55.4	54.6	56.1
		5	57.3	57.2	58.2	57.8	57.3	57.0	56.9	56.2	55.8	55.4	54.6	56.2
		6	58.0	58.2	58.1	58.7	58.1	57.9	56.6	56.6	56.4	56.2	55.5	55.9
		7	57.8	58.2	58.0	58.2	58.0	58.0	57.4	56.8	56.6	55.4	55.8	55.0
		8	57.4	58.2	58.5	58.7	58.4	57.2	56.6	55.5	54.5	54.5	54.9	55.3
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	56.5	56.4	57.3	56.7	56.8	55.6	55.5	54.0	53.6	52.8	52.9	52.7
		11	56.7	58.2	57.8	57.6	57.3	57.3	56.6	56.1	55.3	56.0	55.7	55.7
		12	58.9	59.6	60.2	59.7	59.3	58.8	58.4	58.2	58.2	57.2	56.8	57.6
		13	59.2	59.3	60.0	60.0	60.3	59.5	58.4	57.0	57.2	56.6	56.5	56.4
		14	60.5	60.9	60.7	61.0	60.6	59.8	59.6	58.2	58.0	58.5	58.4	57.4
		15	58.5	57.2	59.0	59.0	58.4	57.8	57.8	57.3	55.6	56.1	56.4	55.7
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	58.5	58.8	59.0	58.2	58.2	58.0	57.7	57.7	57.5	57.6	56.8	57.4
		18	58.3	59.1	59.0	58.5	58.7	58.1	57.7	57.2	56.2	56.8	56.8	57.0
		19	58.4	58.6	58.1	58.0	57.6	56.9	56.2	56.4	56.2	56.2	55.0	54.8
		20	57.8	58.1	59.3	58.4	57.5	56.5	56.3	55.0	55.8	56.2	55.8	55.7
		21	56.6	58.1	58.3	57.6	57.8	55.8	55.3	56.0	55.6	55.8	55.3	55.5
		22	57.9	57.4	57.8	57.9	57.3	57.0	56.6	55.8	56.2	55.7	55.2	55.5
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	59.3	58.0	58.9	58.0	58.1	56.1	55.1	56.0	55.5	54.7	55.7	55.6
		25	58.2	57.8	58.1	58.2	57.7	57.7	57.2	56.6	56.3	56.6	56.5	56.9
		26	58.7	59.5	59.0	58.9	59.2	—	57.8	57.2	57.2	56.8	56.9	56.8
		27	57.5	58.8	59.0	59.0	58.7	58.0	58.0	57.0	56.8	56.0	56.6	56.8
		28	58.4	59.3	58.2	58.3	57.4	57.1	56.7	56.3	55.2	55.0	56.0	55.4
		29	57.8	57.0	57.5	58.6	57.0	56.8	56.6	55.8	56.2	56.1	55.7	56.3
		30	—	—	—	—	—	—	—	—	—	—	—	—
		31	57.1	56.8	57.9	57.5	57.6	57.1	56.3	54.9	55.4	54.4	54.6	54.4
		Hourly Means		58.09	58.27	58.68	58.56	58.19	57.48	57.06	56.45	56.13	55.94	55.93
Dry Thermometer.	OCTOBER.	1	61.4	60.5	61.4	60.7	60.0	59.4	59.1	58.1	58.4	58.2	57.8	57.2
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	62.2	62.9	62.8	63.9	60.9	61.0	59.8	58.1	57.6	57.4	57.5	56.4
		4	57.8	58.0	59.4	60.9	60.6	59.8	58.3	57.9	56.5	56.4	57.7	57.3
		5	59.1	59.5	60.8	60.2	60.3	59.8	58.9	58.1	57.8	57.5	57.4	57.6
		6	62.0	62.7	62.9	62.6	62.1	60.4	59.1	58.7	58.4	57.6	57.5	57.7
		7	59.6	60.8	60.6	61.1	60.6	60.6	59.7	58.6	58.6	57.8	58.0	57.5
		8	61.3	62.7	62.5	63.0	62.1	60.2	59.3	58.0	57.8	57.5	57.8	57.5
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	62.2	62.0	63.8	63.3	62.8	61.4	59.7	58.4	57.9	57.3	57.3	57.1
		11	63.1	64.0	64.6	64.0	62.4	61.5	59.8	58.7	57.6	57.9	57.6	57.7
		12	62.1	63.0	64.5	63.9	62.6	61.6	60.6	59.6	59.4	58.5	58.1	58.8
		13	61.7	62.2	63.5	64.1	64.1	62.8	61.1	59.0	58.7	58.0	57.9	57.6
		14	64.5	64.9	65.1	65.5	64.7	63.9	62.2	60.2	59.6	59.8	59.6	58.5
		15	62.4	63.7	63.1	63.2	62.5	61.2	60.2	59.4	58.6	58.8	59.0	58.4
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	60.6	61.6	61.0	60.4	60.0	59.6	59.1	58.8	58.5	58.5	57.6	58.2
		18	59.3	60.2	60.0	59.7	59.6	59.1	58.6	58.1	57.2	57.6	57.5	57.4
		19	61.0	61.9	61.8	60.3	60.8	59.3	58.6	57.8	57.2	57.2	56.0	56.2
		20	59.3	60.0	62.2	61.1	60.7	59.8	59.0	58.3	58.1	57.8	57.4	57.2
		21	61.8	63.1	63.5	62.9	61.6	59.2	58.8	58.0	57.2	57.4	56.8	57.1
		22	60.1	60.4	60.8	59.9	60.5	59.3	58.5	57.2	57.4	56.9	56.3	56.6
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	63.2	61.7	63.0	61.7	62.0	60.6	59.1	58.4	57.8	57.2	57.7	57.7
		25	63.6	64.0	64.1	63.0	61.9	62.2	60.4	59.1	58.4	58.4	58.1	58.3
		26	62.5	63.2	62.7	62.2	62.6	—	60.0	58.9	58.5	58.2	58.3	58.0
		27	64.5	62.4	63.3	62.9	61.8	61.8	60.3	58.8	58.1	57.8	58.5	57.9
		28	61.5	63.0	61.4	62.5	60.9	60.0	59.1	58.4	57.6	57.6	57.8	57.1
		29	61.7	59.6	60.5	63.2	60.2	58.9	58.3	57.8	57.9	57.8	57.7	57.7
		30	—	—	—	—	—	—	—	—	—	—	—	—
		31	60.9	60.4	62.6	59.1	61.0	60.4	59.2	58.0	57.8	57.5	57.4	57.2
		Hourly Means		61.52	61.86	62.38	62.13	61.51	60.55	59.49	58.48	58.02	57.79	57.70

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
57.0	—	—	—	—	—	—	—	—	—	—	—	57.30
—	55.8	55.7	55.4	55.2	55.4	55.7	55.0	55.4	53.8	56.3	56.4	55.96
55.0	54.3	54.3	55.3	54.5	55.0	54.8	55.0	55.0	56.2	56.1	57.2	56.30
56.4	55.1	55.6	56.0	55.7	—	55.4	55.0	55.0	55.6	56.5	57.6	55.91
54.5	54.3	55.3	55.3	54.5	54.4	54.2	54.3	55.2	55.8	56.5	57.6	56.53
55.8	55.6	55.5	55.3	55.6	55.6	55.2	55.2	55.8	56.4	56.8	57.7	56.17
55.0	55.4	55.3	54.4	55.0	54.4	54.9	54.4	54.8	55.4	56.6	57.4	55.02
54.2	—	—	—	—	—	—	—	—	—	—	—	54.25
—	52.8	53.0	52.9	53.3	53.0	52.8	52.6	52.7	53.4	54.4	55.6	56.61
52.8	53.2	53.1	52.9	52.9	53.7	52.8	52.5	53.2	53.8	54.8	55.6	57.83
55.8	56.6	56.6	56.1	55.0	55.2	55.3	56.2	56.8	57.6	58.2	58.9	57.72
57.0	57.2	56.8	56.6	56.1	56.7	56.5	56.3	57.1	57.7	58.3	58.8	57.89
56.9	56.6	56.7	56.4	56.4	56.4	56.0	56.1	56.6	58.3	58.4	60.1	57.00
56.8	56.6	56.5	55.9	56.1	55.7	55.4	55.5	55.8	56.3	57.3	57.9	57.48
56.0	—	—	—	—	—	—	—	—	—	—	—	56.92
—	57.6	57.1	56.6	56.8	55.4	55.4	56.4	55.8	56.1	57.9	58.0	56.07
56.3	55.8	56.9	55.9	56.8	56.9	57.6	57.4	57.6	57.1	57.2	58.6	56.01
57.1	56.5	56.2	56.0	55.8	55.4	55.4	55.8	55.4	55.9	56.0	57.1	55.81
54.5	54.3	55.8	54.5	54.4	53.8	54.8	54.9	55.5	56.4	57.1	57.2	55.99
55.7	54.6	54.1	55.8	55.3	55.9	52.8	55.1	53.8	55.5	57.1	56.2	56.13
55.0	55.6	54.5	54.1	54.9	53.6	54.6	55.0	55.4	56.2	55.6	57.3	57.35
55.4	—	—	—	—	—	—	—	—	—	—	—	57.10
—	55.1	55.1	55.3	53.9	52.3	55.2	55.3	55.5	56.3	56.8	57.3	56.93
56.0	55.4	55.8	55.2	54.9	54.4	54.1	55.0	55.6	55.4	56.5	57.8	56.20
56.8	57.0	56.5	56.4	56.8	56.9	57.0	57.4	57.4	58.3	58.4	59.6	55.77
56.8	56.7	55.9	55.5	55.4	55.7	55.1	55.4	55.9	56.8	57.6	58.5	55.21
56.9	56.5	55.6	56.4	55.0	55.2	55.3	55.4	56.1	56.9	56.9	58.0	55.73
55.7	55.8	55.1	55.5	53.8	54.7	55.1	55.6	55.1	55.1	57.1	57.0	56.3
55.0	—	—	—	—	—	—	—	—	—	—	—	56.44
—	53.5	55.5	53.5	54.1	55.2	55.3	53.8	54.6	55.0	55.4	56.2	55.99
54.6	54.2	53.4	54.5	54.6	53.2	53.4	54.1	53.6	53.9	55.6	56.0	56.13
55.73	55.47	55.46	55.29	55.11	54.96	55.00	55.18	55.41	55.97	56.75	57.52	56.44
57.4	—	—	—	—	—	—	—	—	—	—	—	58.55
—	57.2	57.4	56.8	57.0	57.2	57.2	56.8	57.4	58.5	59.0	61.1	58.36
57.0	57.2	57.3	57.1	56.2	56.1	55.7	55.9	56.0	57.0	56.8	57.9	57.62
57.4	56.3	56.6	57.0	56.6	—	56.2	56.0	55.8	56.4	57.5	58.9	58.11
56.7	56.8	57.2	57.1	56.4	56.3	56.0	56.2	57.0	57.9	59.3	60.7	58.75
57.6	57.3	57.2	56.9	57.2	56.9	56.6	56.6	57.2	57.8	58.1	58.8	58.53
57.4	57.5	57.4	56.6	56.9	56.5	56.8	56.5	57.0	57.9	59.7	61.0	58.42
57.3	—	—	—	—	—	—	—	—	—	—	—	58.89
—	56.2	56.3	56.1	56.3	56.1	56.0	55.9	56.4	57.3	58.2	60.3	59.54
57.0	57.2	56.8	56.9	56.8	57.1	56.8	56.7	57.2	57.9	58.8	61.0	59.63
57.6	58.1	58.0	57.6	56.9	57.4	57.4	57.8	58.3	59.0	60.1	61.9	59.55
58.2	58.3	57.9	57.6	57.2	57.7	57.5	57.2	58.0	58.6	59.6	60.6	60.31
57.9	57.6	57.6	57.2	57.2	57.1	56.8	56.9	57.4	59.2	60.5	63.2	59.69
58.0	57.9	57.9	57.4	57.6	57.3	57.0	57.3	58.0	58.7	60.4	61.4	58.70
58.2	—	—	—	—	—	—	—	—	—	—	—	57.75
—	58.8	58.4	58.2	58.3	57.9	58.1	57.8	57.5	58.9	59.8	60.1	57.92
57.2	57.0	58.0	57.3	58.1	57.9	58.3	58.0	58.2	57.7	57.8	59.3	58.35
57.7	57.0	56.8	56.6	56.4	56.0	55.9	56.3	56.0	56.6	57.1	59.3	58.02
56.4	56.7	57.1	55.8	56.0	56.0	56.8	56.2	56.6	57.7	58.4	58.4	57.94
57.4	56.3	56.6	57.6	56.9	57.2	55.7	57.2	55.9	58.6	60.4	59.8	58.88
56.4	56.8	55.7	55.5	56.2	54.6	55.6	56.0	56.3	57.0	56.6	58.3	59.74
56.7	—	—	—	—	—	—	—	—	—	—	—	59.33
—	57.1	56.9	56.9	55.8	55.6	57.1	56.8	56.8	57.5	58.9	60.5	59.43
57.7	57.0	57.2	57.0	56.6	56.3	56.4	56.9	57.2	58.0	60.3	62.5	58.69
58.2	58.2	57.8	57.7	58.0	57.9	57.8	58.2	58.2	59.1	59.6	61.6	58.34
57.7	57.4	57.1	56.8	56.7	56.9	56.8	57.0	58.3	59.3	61.9	63.6	58.20
58.0	57.2	57.4	57.2	56.6	56.8	56.9	57.1	58.4	59.6	61.3	61.8	57.42
57.1	57.2	56.7	56.9	56.6	56.4	56.9	57.4	58.2	59.0	59.9	59.4	57.23
57.5	—	—	—	—	—	—	—	—	—	—	—	57.17
—	56.9	56.7	57.0	57.0	56.0	56.0	56.0	56.8	57.8	59.0	62.2	56.97
57.2	56.8	56.3	56.5	56.4	55.8	55.8	56.2	56.7	57.7	59.0	60.8	56.84
57.42	57.23	57.17	56.97	56.84	56.68	56.70	56.80	57.18	58.10	59.15	60.55	56.84

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time. }		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	NOVEMBER.	1	56.6	57.5	58.0	58.0	57.2	56.8	55.9	54.7	55.0	54.6	54.2	53.7
		2	57.1	58.1	58.3	58.1	58.1	57.8	56.8	56.0	55.4	55.2	54.3	54.7
		3	57.6	58.6	58.8	58.8	58.2	57.1	57.4	56.8	55.8	54.9	54.8	55.2
		4	58.6	58.3	59.4	58.9	59.1	58.4	57.1	57.2	56.1	55.8	55.1	55.6
		5	59.4	59.4	59.6	59.8	60.0	59.0	58.4	57.4	57.2	57.2	56.8	58.0
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	58.4	59.5	59.5	60.6	59.5	59.0	58.5	57.9	57.6	57.4	56.4	57.0
		8	59.3	59.4	59.0	59.7	59.2	57.9	58.1	58.0	58.0	57.8	57.2	57.0
		9	59.2	59.6	59.8	60.2	59.8	59.0	58.6	58.2	56.2	56.6	57.2	56.6
		10	59.2	59.9	59.9	60.4	59.4	59.2	58.2	58.4	57.0	57.7	58.0	58.4
		11	59.6	59.4	58.5	60.0	60.8	59.2	59.2	58.4	57.2	57.5	57.6	58.0
		12	59.0	59.1	60.2	59.8	59.4	58.6	58.7	57.2	57.8	56.6	56.2	56.4
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	59.4	60.4	59.7	60.8	59.6	59.7	59.1	58.8	58.7	58.8	58.2	58.6
		15	58.5	58.8	59.7	60.0	59.3	58.3	57.2	57.8	56.2	56.3	55.7	55.7
		16	58.2	—	—	—	—	—	—	—	—	—	—	—
		17	—	—	—	—	—	—	—	—	—	—	—	—
		18	—	60.4	60.1	60.9	61.2	60.5	59.8	59.0	58.6	59.0	58.8	59.2
		19	60.6	61.3	61.2	61.7	61.3	60.6	59.8	57.9	58.1	58.3	58.0	58.0
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	59.9	60.2	61.0	60.7	60.4	60.4	58.8	57.9	57.6	57.4	58.0	58.0
		22	59.5	60.4	60.5	61.0	60.4	59.0	59.8	59.7	59.7	59.4	59.3	58.4
		23	60.2	60.6	60.1	60.2	59.6	59.2	58.3	58.5	58.5	57.9	58.2	56.4
		24	59.3	60.3	59.8	61.0	60.1	59.6	59.4	59.0	58.6	58.8	58.6	58.6
		25	60.0	60.9	61.4	60.9	58.8	60.1	58.8	58.1	58.1	58.7	58.5	57.7
		26	59.8	60.7	60.7	59.9	59.6	59.2	58.9	58.5	57.9	57.8	57.9	57.8
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	59.2	60.8	58.5	61.8	60.6	59.8	58.1	58.5	57.3	57.4	57.5	57.0
		29	59.6	59.9	59.2	59.0	59.3	58.7	58.6	57.8	57.7	57.7	57.6	57.2
		30	59.2	59.7	59.2	59.0	58.7	57.4	58.5	57.0	56.7	57.6	57.7	57.0
		Hourly Means		59.06	59.72	59.67	60.05	59.57	58.94	58.42	57.86	57.37	57.35	57.16
Dry Thermometer.	NOVEMBER.	1	61.6	62.4	63.0	63.2	61.0	60.2	59.1	58.3	57.8	57.5	57.4	57.2
		2	63.2	64.9	64.0	63.5	62.4	61.9	59.8	58.7	57.8	57.4	57.1	57.1
		3	64.8	64.8	64.5	65.4	65.2	64.4	62.8	60.2	58.4	57.4	57.8	57.0
		4	64.9	64.2	66.6	65.9	65.4	63.1	61.6	60.8	59.9	59.5	58.5	58.8
		5	63.9	64.4	64.8	63.4	63.8	62.8	62.2	59.9	59.2	59.0	59.0	59.5
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	63.2	64.2	64.6	65.9	63.8	62.9	61.6	60.6	59.6	59.3	58.4	58.8
		8	64.8	65.1	63.6	64.2	63.3	62.8	61.8	60.6	60.0	59.6	59.2	59.0
		9	65.0	65.1	65.4	65.7	65.0	62.8	61.8	60.5	59.8	59.6	59.8	59.5
		10	59.7	61.2	61.2	61.8	61.2	60.9	60.0	59.4	58.9	58.5	58.8	58.8
		11	60.2	60.3	59.1	61.3	62.7	62.5	60.7	59.5	58.8	58.6	58.5	58.8
		12	61.9	65.3	64.3	64.0	63.5	62.6	61.4	59.9	59.4	59.8	58.5	58.5
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	62.4	64.7	63.9	62.0	62.2	61.0	59.6	59.3	59.2	59.4	58.6	59.0
		15	62.6	62.4	64.2	64.4	62.9	61.3	60.6	59.8	59.1	59.0	58.7	58.5
		16	62.4	—	—	—	—	—	—	—	—	—	—	—
		17	—	—	—	—	—	—	—	—	—	—	—	—
		18	—	63.2	62.2	63.7	64.8	63.4	62.0	60.7	60.0	60.2	59.8	59.9
		19	61.1	62.3	62.9	63.9	63.3	63.1	61.4	59.7	59.5	59.5	59.2	59.2
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	64.0	64.4	66.0	65.1	65.0	64.8	62.3	60.8	60.1	59.9	60.0	59.7
		22	65.6	64.6	65.2	65.8	65.7	64.9	63.2	61.8	61.4	60.6	60.6	60.2
		23	61.1	61.2	60.8	61.4	61.3	61.2	60.4	59.8	59.4	59.2	59.4	58.8
		24	62.0	63.9	63.3	64.7	63.3	61.1	60.8	60.0	60.1	59.9	59.6	59.4
		25	65.5	65.6	66.0	66.6	64.8	65.0	63.1	61.0	60.3	60.2	60.0	59.4
		26	63.2	67.0	66.6	65.2	64.0	62.4	61.9	60.5	59.9	59.7	59.6	59.5
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	66.7	67.6	68.2	69.1	67.8	64.1	62.1	61.2	60.3	59.9	59.8	59.4
		29	63.4	63.2	65.2	64.7	62.7	63.2	61.6	60.2	59.7	59.7	59.2	59.3
		30	61.0	64.9	63.2	63.9	63.4	60.8	60.5	59.4	58.9	59.2	59.2	59.2
		Hourly Means		63.09	64.04	64.12	64.37	63.69	62.63	61.35	60.11	59.48	59.27	59.03

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
53.7	54.2	53.3	53.6	53.4	53.2	52.8	54.4	53.8	55.4	56.9	56.4	55.14
54.7	54.8	55.1	54.6	53.9	54.0	54.6	54.2	55.0	55.3	56.3	57.6	55.83
55.4	55.4	55.2	55.4	55.7	54.6	54.8	54.8	54.9	56.2	56.4	57.4	56.26
56.5	55.3	55.2	55.0	55.5	55.2	55.2	56.0	55.6	56.3	58.0	58.7	56.75
57.8	—	—	—	—	—	—	—	—	—	—	—	57.85
—	56.4	56.6	56.9	57.5	57.5	56.3	56.0	58.1	56.7	57.6	58.8	57.94
57.2	57.2	56.6	56.9	57.0	56.9	56.8	57.2	57.6	57.7	59.2	59.0	57.70
57.0	57.0	57.8	56.8	56.8	56.8	55.7	55.7	57.4	57.0	57.8	58.3	57.95
56.1	56.4	56.4	57.0	57.7	57.4	57.2	56.6	57.8	58.3	59.2	59.6	58.38
58.3	57.6	57.1	57.4	57.8	57.6	57.3	57.4	57.6	58.6	58.2	60.5	57.92
58.2	58.4	57.8	57.5	56.8	56.2	55.5	55.8	56.8	56.7	57.2	57.7	57.52
56.1	—	—	—	—	—	—	—	—	—	—	—	58.02
—	56.6	56.6	56.8	57.3	56.6	56.7	55.4	56.5	57.0	57.4	58.5	56.89
58.1	57.6	56.2	56.5	56.4	56.1	56.2	55.2	56.0	56.7	57.5	58.3	59.32
56.4	56.1	56.3	55.8	55.0	55.0	55.7	55.5	55.8	56.1	57.0	57.2	59.23
—	—	—	—	—	—	—	—	—	—	—	—	58.17
—	—	—	—	—	—	—	—	—	—	—	—	58.78
59.1	59.3	59.3	58.6	58.2	58.2	58.8	58.7	58.9	59.2	59.5	60.2	58.25
57.7	—	—	—	—	—	—	—	—	—	—	—	58.17
—	57.8	57.1	56.4	55.6	55.5	55.5	55.8	56.3	56.7	57.7	58.7	58.25
57.2	57.0	57.9	56.7	56.1	55.9	56.3	57.8	56.6	—	57.6	58.4	58.70
58.5	58.9	57.6	57.7	56.6	57.2	56.0	57.2	57.5	57.3	59.2	60.0	58.40
57.1	57.6	58.2	58.5	57.2	55.6	57.1	56.9	57.6	57.2	58.2	59.2	58.20
58.4	58.4	57.1	56.6	58.0	58.1	57.3	57.1	57.4	58.8	59.0	59.6	58.18
57.3	56.9	57.8	57.0	56.8	57.2	56.6	56.6	57.2	57.4	59.4	59.5	57.53
57.5	—	—	—	—	—	—	—	—	—	—	—	57.43
—	58.1	57.9	57.2	57.2	57.1	57.8	55.8	55.6	56.8	59.2	58.1	57.07
57.2	57.1	57.2	56.9	56.9	57.0	56.8	57.0	57.4	58.8	58.9	58.6	57.00
57.2	56.3	54.9	54.3	55.6	56.1	55.2	55.7	57.2	56.8	59.3	59.8	56.74
57.0	57.7	56.5	55.8	55.4	55.2	55.6	56.4	56.4	57.3	58.6	58.8	56.49
57.07	57.00	56.74	56.49	56.43	56.26	56.16	56.22	56.71	57.14	58.14	58.70	56.43
57.0	57.2	56.8	56.8	57.0	56.8	56.8	56.7	57.2	58.3	60.8	62.1	56.8
57.2	57.2	57.4	57.1	57.0	57.0	57.2	57.4	57.7	59.3	61.7	62.1	57.2
57.2	57.4	57.6	57.7	57.7	57.4	57.6	57.6	57.9	59.0	60.6	61.1	57.2
58.2	57.9	57.8	57.6	58.0	57.7	57.7	58.3	58.6	59.5	61.4	62.4	58.2
59.2	—	—	—	—	—	—	—	—	—	—	—	59.2
—	58.8	58.6	58.6	58.8	58.6	58.4	58.4	59.1	59.6	60.6	61.2	58.8
58.8	58.6	58.1	58.1	58.3	58.2	58.2	58.6	59.5	59.9	62.6	63.9	58.8
58.8	58.6	59.0	58.4	58.3	58.4	58.1	58.3	59.0	60.2	63.6	64.2	59.2
59.2	59.2	59.0	58.7	58.4	58.2	57.8	57.6	58.8	59.0	59.8	60.9	58.8
58.8	58.3	58.0	58.2	58.4	58.4	58.2	58.0	58.3	59.0	58.8	61.6	58.9
58.9	59.0	58.5	58.3	57.9	57.6	57.4	57.8	59.4	59.3	61.0	62.0	58.0
58.0	—	—	—	—	—	—	—	—	—	—	—	58.0
—	58.0	57.9	58.1	58.3	57.9	58.1	58.0	58.8	60.2	61.0	62.0	58.8
58.8	58.7	58.0	58.2	58.1	57.7	57.8	57.4	58.1	58.8	59.8	61.3	58.8
58.8	58.6	58.5	58.2	57.7	57.7	57.8	58.0	58.4	59.3	60.0	60.8	58.8
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
59.7	59.7	59.6	59.0	59.0	58.8	59.0	59.0	59.3	59.5	60.1	60.6	59.7
58.8	—	—	—	—	—	—	—	—	—	—	—	58.8
—	58.3	58.0	57.8	57.5	57.5	57.5	57.8	58.4	59.1	60.3	62.2	—
59.5	59.4	59.4	59.0	59.1	58.9	59.2	59.4	60.0	—	62.4	63.3	59.5
60.1	60.0	59.5	59.5	59.2	59.4	59.2	59.4	59.8	61.1	60.9	62.3	60.1
58.9	59.1	58.8	59.1	58.5	58.0	58.6	58.8	59.4	59.9	60.8	62.3	58.9
59.3	59.2	58.7	58.6	58.8	58.8	58.5	59.1	59.2	60.7	60.8	64.0	59.3
59.0	58.7	58.8	58.5	58.6	58.6	58.7	58.8	60.4	61.2	63.5	63.8	59.0
59.2	—	—	—	—	—	—	—	—	—	—	—	59.2
—	59.2	59.2	58.6	58.8	58.7	59.0	58.8	59.7	60.9	61.2	63.6	59.3
59.3	59.0	59.1	58.8	58.6	58.6	58.4	58.8	59.6	60.3	61.3	61.6	59.3
59.5	59.3	59.0	58.8	58.4	59.0	58.5	58.3	60.0	61.7	64.2	61.8	59.5
59.0	59.1	57.4	57.1	57.2	56.8	57.0	57.5	57.0	58.7	61.6	62.4	59.0
58.80	58.69	58.45	58.28	58.23	58.11	58.11	58.25	58.95	59.83	61.22	62.32	58.80

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean. St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	DECEMBER.	1	59°0	59°1	59°1	58°6	58°4	58°4	58°1	57°7	57°5	55°2	57°3	57°5
		2	59°0	59°3	59°4	58°3	58°4	58°7	58°5	55°8	55°5	56°8	57°4	55°7
		3	59°3	60°8	60°9	59°8	60°3	59°5	59°6	59°0	58°4	58°8	58°9	58°2
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	60°6	60°6	61°4	60°6	61°1	60°8	60°0	59°1	59°0	59°0	59°0	58°6
		6	59°4	60°2	60°0	60°5	60°6	60°2	59°8	59°1	58°6	58°8	58°8	58°0
		7	60°8	59°8	60°8	60°7	60°2	60°0	59°9	58°5	58°8	58°9	58°7	57°2
		8	59°7	61°0	61°7	61°0	60°5	60°1	59°4	59°0	58°7	58°4	57°6	57°6
		9	58°2	60°0	60°3	60°2	60°6	60°1	59°5	58°8	57°8	57°3	57°3	57°4
		10	60°4	61°3	61°6	61°2	60°6	60°8	59°7	58°8	57°8	57°7	57°3	57°2
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	59°8	60°6	60°8	60°9	61°0	60°3	58°2	58°1	57°4	57°4	57°8	55°9
		13	58°4	60°0	60°8	60°0	59°4	59°0	59°3	58°8	58°0	58°2	58°5	58°0
		14	59°9	60°0	60°5	60°6	59°2	59°6	59°4	58°6	58°0	57°3	57°5	57°2
		15	59°5	60°1	60°2	60°2	60°8	62°0	60°3	59°0	59°1	58°5	58°5	58°3
		16	59°7	60°7	60°6	60°1	60°1	60°3	59°6	60°3	58°8	58°1	58°1	58°3
		17	59°8	59°3	60°0	59°6	59°6	59°4	59°5	58°5	56°8	56°4	56°0	55°7
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	60°6	61°2	61°0	60°8	60°4	60°4	60°0	59°6	59°5	58°8	58°7	58°8
		20	60°0	60°7	60°6	61°1	62°2	61°1	60°2	60°0	59°8	59°2	59°2	59°0
		21	59°8	60°1	60°2	60°1	60°1	60°3	60°0	59°1	58°2	58°1	58°5	56°4
		22	59°8	60°2	59°7	61°3	59°8	60°4	60°4	59°8	59°9	59°7	59°4	59°3
		23	60°0	60°8	61°2	61°0	59°8	60°7	61°9	60°3	60°3	60°6	60°4	60°4
		24	61°8	62°4	63°2	63°1	62°3	63°7	61°8	61°0	60°6	60°6	60°6	60°6
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	62°0	60°6	62°3	61°6	60°9	60°5	60°6	60°1	60°1	60°4	59°6	59°8
		27	62°4	62°0	62°6	63°0	62°4	61°8	62°0	60°7	61°3	61°2	60°3	60°4
		28	61°4	62°2	62°1	62°0	61°8	60°8	61°0	60°0	60°1	59°9	59°4	59°0
		29	61°9	62°4	62°4	62°0	61°6	61°8	61°3	61°0	59°3	60°0	58°2	58°7
		30	61°6	62°2	62°2	62°1	61°4	61°7	61°6	59°3	59°5	58°7	59°2	60°2
		31	60°1	59°7	59°7	60°6	60°5	61°8	60°8	60°3	59°7	59°8	58°7	58°4
		32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		60°18	60°64	60°94	60°78	60°52	60°53	60°09	59°27	58°83	58°66	58°55	58°21	
Dry Thermometer.	DECEMBER.	1	62°7	63°1	61°8	61°7	63°0	62°2	59°2	59°0	58°5	57°8	58°6	58°9
		2	61°3	64°0	63°6	62°1	61°8	63°1	61°7	59°7	59°6	60°0	59°8	59°6
		3	62°0	65°6	65°1	65°1	62°6	62°2	61°9	60°6	60°0	60°1	60°2	59°0
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	63°9	66°8	66°7	66°7	65°8	64°6	62°6	61°4	60°9	60°7	60°6	60°3
		6	60°6	61°1	61°5	62°3	62°4	62°4	61°4	60°4	59°8	59°8	59°9	59°5
		7	64°0	63°5	65°8	63°8	64°6	63°2	61°8	60°7	60°4	60°1	60°1	59°5
		8	63°3	65°4	66°2	64°9	64°3	63°9	62°2	60°9	60°2	60°0	59°6	59°5
		9	63°2	63°1	65°2	63°6	65°4	64°3	63°0	61°3	60°3	60°1	60°0	60°0
		10	66°4	67°7	67°7	67°3	66°2	65°6	64°2	62°3	60°7	60°4	59°9	59°8
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	64°0	66°0	65°1	64°9	64°6	64°1	62°6	61°1	60°4	60°3	60°2	59°6
		13	62°6	64°4	66°0	63°8	64°9	63°6	62°0	60°8	60°1	60°0	60°1	60°0
		14	64°9	64°2	66°5	67°6	64°2	64°0	63°4	61°6	60°8	59°8	59°8	59°3
		15	66°3	65°6	65°1	67°7	67°0	67°8	64°2	62°2	61°5	60°7	60°5	60°1
		16	62°9	66°5	65°9	65°6	64°8	65°4	64°6	63°9	62°4	60°3	60°3	60°2
		17	65°8	65°5	65°7	66°0	65°7	64°8	64°2	62°5	60°0	59°2	58°8	58°1
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	61°7	63°7	64°1	62°1	63°2	61°6	61°2	60°8	60°5	59°9	59°5	59°6
		20	63°0	64°7	65°9	66°4	67°2	64°8	62°9	61°8	61°6	60°8	60°6	60°5
		21	62°4	62°0	64°2	64°9	65°2	64°7	63°2	62°0	60°7	60°2	60°2	59°8
		22	66°5	67°2	67°0	67°0	68°4	68°1	65°1	63°6	62°7	62°2	61°7	61°4
		23	67°6	69°2	70°6	71°0	69°2	68°8	67°7	64°8	63°4	63°0	62°7	62°1
		24	66°7	66°7	68°1	68°2	67°7	66°8	65°7	63°9	63°0	62°5	62°4	62°2
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	65°5	66°7	65°8	64°9	63°9	64°4	63°6	62°8	62°2	62°0	61°4	61°4
		27	66°1	66°1	67°8	68°7	67°1	65°4	64°8	63°6	63°2	62°8	62°3	62°3
		28	64°5	65°4	66°1	65°8	66°4	65°2	64°8	62°8	62°2	62°0	61°6	61°4
		29	68°1	69°3	67°9	68°2	67°7	67°8	65°5	63°8	62°6	62°5	61°9	61°9
		30	66°4	66°6	66°8	66°7	67°4	66°2	64°6	63°2	62°7	62°3	62°3	62°4
		31	66°1	65°8	65°1	63°5	65°1	67°1	64°2	63°3	62°1	62°3	62°0	62°0
		32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		64°39	65°40	65°83	65°57	65°40	64°89	63°42	62°03	61°20	60°81	60°63	60°39	

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
56.5	56.2	56.7	55.6	55.2	54.8	55.0	55.2	56.4	56.6	57.5	58.0	57.07
57.2	55.4	56.2	55.2	57.4	57.9	55.2	55.8	57.6	58.4	59.6	59.8	57.43
58.1	—	—	—	—	—	—	—	—	—	—	—	58.33
—	57.8	57.6	56.2	55.5	56.8	55.4	56.4	56.4	56.6	59.5	60.2	58.76
56.8	57.4	56.7	57.8	56.3	57.8	56.5	56.7	57.9	58.0	58.8	59.8	58.92
59.2	58.1	57.4	58.2	58.1	57.5	57.6	58.2	58.0	59.0	59.3	59.4	58.49
58.8	57.3	58.1	56.3	56.4	56.0	57.1	57.4	57.0	58.0	58.5	58.5	58.27
57.2	58.0	58.3	56.2	57.0	56.1	56.2	55.9	56.4	56.4	57.2	59.0	58.08
57.3	57.2	57.0	56.4	56.7	56.7	56.8	56.4	56.6	57.5	58.4	59.3	58.49
57.6	—	—	—	—	—	—	—	—	—	—	—	57.94
—	58.0	56.8	56.8	56.7	57.4	56.2	57.6	56.6	58.1	58.8	58.8	57.73
56.6	57.5	56.1	55.3	56.4	56.4	56.8	56.3	56.6	57.5	58.0	58.8	58.42
56.4	55.4	54.0	56.8	56.3	54.6	54.4	56.2	56.6	57.7	58.7	60.0	59.05
57.6	57.2	57.2	57.6	57.3	57.5	57.2	58.2	58.2	58.7	58.4	59.2	58.71
58.2	58.0	58.1	58.3	57.8	57.6	57.7	58.4	58.4	58.9	59.3	60.0	58.44
57.8	58.0	58.5	57.6	57.7	58.0	57.6	57.7	57.4	57.8	58.4	57.9	59.18
55.0	—	—	—	—	—	—	—	—	—	—	—	59.35
—	—	58.4	57.8	57.8	58.2	58.4	58.6	58.4	60.0	59.9	61.0	57.94
58.7	58.6	58.2	58.1	58.2	58.2	58.1	58.2	58.5	58.5	58.3	58.4	59.67
58.4	57.8	58.6	58.7	58.5	57.0	58.3	58.1	58.4	58.1	59.5	59.8	60.48
56.3	58.6	56.2	55.5	55.9	56.3	55.1	56.6	56.0	56.4	57.9	58.8	60.87
59.0	59.7	59.2	59.0	59.0	57.6	58.9	59.6	59.5	59.5	59.8	61.5	60.48
60.4	60.3	59.8	59.2	59.7	59.8	59.7	60.1	60.8	60.9	61.3	62.2	60.53
60.6	—	—	—	—	—	—	—	—	—	—	—	60.02
—	59.8	59.1	59.5	59.3	59.5	59.7	59.7	58.9	60.3	61.3	61.4	59.86
59.7	59.9	60.2	60.0	60.1	59.9	59.9	60.0	60.4	61.0	61.0	61.0	59.46
60.1	60.2	58.5	59.3	58.7	58.8	58.6	59.2	59.5	59.2	60.1	60.5	60.22
58.6	59.2	58.8	59.4	58.4	58.6	58.8	59.0	59.2	59.3	60.8	60.8	58.97
58.1	58.3	58.3	58.0	58.6	58.5	58.8	58.7	58.8	59.4	60.0	60.5	59.86
58.5	58.4	57.0	57.6	58.0	56.7	57.6	59.1	59.4	58.3	58.4	58.4	59.67
57.6	—	—	—	—	—	—	—	—	—	—	—	60.87
—	61.5	60.8	58.7	59.5	59.8	59.8	60.4	60.9	61.4	62.3	62.6	60.48
58.01	58.22	57.84	57.60	57.65	57.56	57.46	57.91	58.10	58.59	59.30	59.84	58.97
57.7	57.9	57.7	56.4	57.0	56.6	56.8	56.2	56.8	57.1	58.7	59.9	58.97
59.4	58.6	58.4	58.8	59.2	58.8	58.2	58.7	59.8	60.8	62.5	63.0	60.52
59.3	—	—	—	—	—	—	—	—	—	—	—	61.13
—	59.8	59.5	59.2	59.2	59.2	59.1	59.4	60.2	61.6	62.2	64.0	61.68
59.6	59.8	59.5	59.8	59.4	59.7	59.3	59.6	60.0	60.0	61.0	61.6	60.27
59.8	59.2	59.0	59.3	59.0	58.8	58.5	59.2	58.6	59.8	61.8	62.3	60.67
59.6	59.2	58.8	58.6	58.8	58.0	58.3	58.5	58.7	59.2	60.6	60.2	60.96
59.2	59.6	59.5	58.7	59.0	58.7	58.3	58.6	59.1	59.8	60.7	61.4	61.27
59.8	59.8	59.5	59.0	59.2	59.0	59.0	59.0	59.5	60.7	62.5	63.9	62.15
59.8	—	—	—	—	—	—	—	—	—	—	—	61.14
—	60.4	60.0	60.0	59.8	59.7	59.4	59.4	59.8	60.8	62.2	62.2	61.13
59.8	59.6	59.4	59.2	59.3	59.2	58.8	59.1	58.0	58.8	61.9	61.4	61.74
59.8	59.6	59.0	59.0	58.6	58.5	58.8	58.8	59.0	60.6	61.9	65.2	62.20
59.4	59.2	58.9	59.2	58.9	59.0	59.0	59.5	60.2	61.6	64.2	66.6	61.88
59.9	59.8	59.8	59.4	59.8	59.6	59.7	59.8	59.8	60.8	61.8	64.0	61.48
59.8	59.9	60.1	59.5	59.5	59.6	59.2	59.4	59.6	60.6	62.5	62.6	60.37
57.5	—	—	—	—	—	—	—	—	—	—	—	61.63
—	—	59.9	59.5	59.4	59.3	59.6	59.5	59.5	60.8	60.7	62.1	61.46
59.6	59.5	59.1	59.0	58.8	58.7	58.7	58.8	59.2	59.8	60.0	59.9	63.03
60.0	60.0	60.2	60.2	59.8	59.6	59.4	58.8	59.4	59.7	60.2	61.6	64.41
60.1	60.2	59.8	59.7	59.8	59.2	59.6	59.8	60.5	61.4	61.9	63.6	63.61
61.1	60.8	60.5	60.3	60.2	59.0	60.1	60.6	60.7	60.5	62.4	65.6	62.67
61.8	61.8	61.3	61.1	61.2	61.1	61.0	61.4	62.4	63.8	63.4	65.4	63.38
61.8	—	—	—	—	—	—	—	—	—	—	—	62.96
—	61.3	60.8	61.0	60.9	61.1	61.2	61.4	61.8	62.3	64.4	64.8	63.57
61.2	61.2	61.4	61.2	61.3	60.9	60.9	60.9	61.5	62.4	62.7	63.8	63.34
62.1	62.1	61.4	61.5	61.2	61.2	61.2	61.1	61.1	61.5	63.1	63.5	63.13
61.1	61.4	61.2	61.2	60.8	60.9	61.0	61.1	61.7	62.9	64.1	65.4	61.88
61.6	61.5	61.4	61.1	61.1	61.0	61.0	61.0	61.2	61.8	62.4	63.3	61.48
61.7	61.7	61.2	61.4	61.4	61.1	61.4	61.8	62.1	62.0	63.1	63.6	60.37
61.6	—	—	—	—	—	—	—	—	—	—	—	61.63
—	62.6	62.0	61.6	61.7	61.7	61.3	61.8	61.7	62.5	63.6	64.5	61.46
60.15	60.25	59.97	59.81	59.79	59.60	59.59	59.75	60.07	60.87	62.09	63.16	61.88



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 St. Helena Time. }	23	1	3	5	7	9	11	13	15	17	19	21		
Humidity of the Air. JANUARY.	1	72	69	71	77	88	93	95	—	—	—	—	86	
	2	—	—	—	—	—	—	—	92	96	96	92	96	
	3	96	96	95	96	97	90	90	90	92	89	92	82	92
	4	78	82	89	90	85	86	86	88	85	86	87	74	85
	5	88	86	90	93	95	95	96	96	95	97	92	95	93
	6	90	87	86	92	96	97	97	97	97	97	97	98	94
	7	97	87	92	94	97	97	96	96	97	97	98	95	96
	8	95	85	87	87	91	92	91	—	—	—	—	—	91
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	95	91	93	79	88	92	93	86	90	82	84	79	88
	11	68	69	73	83	87	89	91	91	80	84	72	73	80
	12	91 <sup>a</sup>	90 <sup>a</sup>	89 <sup>a</sup>	94 <sup>a</sup>	95	87	77	85	78	88	72	87	—
	13	74	60	86	83	90	78	92	82	93	92	94	79	84
	14	81	76	72	81	88	88	86	92	94	96	96	92	87
	15	80	73	77	79	88	95	93	—	—	—	—	—	86
	16	—	—	—	—	—	—	—	79	91	92	94	92	—
	17	76	86	72	80	90	93	95	96	97	96	97	97	90
	18	98	93	95	95	97	98	98	97	97	—	94	98	96
	19	94	97	93	95	96	97	96	96	97	96	96	95	96
	20	96	96	96	94	94	96	95	96	96	96	89	82	94
	21	80	83	80	79	86	81	83	85	83	74	82	83	82
	22	71	76	75	81	84	82	81	—	—	—	—	—	81
	23	—	—	—	—	—	—	—	91	88	88	82	77	—
	24	72	67	66	73	80	86	90	93	94	91	85	82	82
	25	78	70	70	72	79	81	82	85	86	85	85	87	80
	26	76	67	73	81	86	89	93	95	97	97	97	98	87
	27	91	83	84	86	96	96	96	97	95	95	96	96	93
	28	90	85	76	88	90	89	89	95	94	—	96	87	89
	29	78	79	73	78	85	90	91	—	—	—	—	—	83
	30	—	—	—	—	—	—	—	78	78	92	92	78	—
	31	72	68	64	63	83	87	93	93	89	93	96	96	83
Hourly Means	84	80	81	84	90	90	91	91	91	91	90	88	88	
Tension of the Vapour. JANUARY.	1	In. .466	In. .467	In. .467	In. .484	In. .489	In. .512	In. .517	—	—	—	—	In. .496	
	2	—	—	—	—	—	—	—	.501	.509	.501	.493	.547	
	3	.553	.556	.538	.527	.508	.472	.467	.468	.470	.459	.476	.464	.497
	4	.477	.495	.515	.502	.457	.456	.456	.463	.446	.456	.459	.433	.468
	5	.545	.596	.608	.564	.513	.506	.511	.513	.496	.495	.473	.517	.528
	6	.531	.526	.515	.528	.492	.518	.510	.510	.510	.501	.508	.520	.514
	7	.541	.529	.503	.511	.508	.518	.478	.496	.499	.482	.494	.495	.505
	8	.503	.495	.515	.491	.494	.487	.482	—	—	—	—	—	.496
	9	—	—	—	—	—	—	—	.509	.479	.501	.501	.496	—
	10	.603	.625	.606	.497	.493	.512	.500	.453	.480	.433	.449	.465	.510
	11	.457	.479	.488	.502	.491	.479	.484	.478	.424	.439	.392	.442	.463
	12	.613 <sup>a</sup>	.638 <sup>a</sup>	.632 <sup>a</sup>	.601 <sup>a</sup>	.528	.485	.421	.467	.429	.461	.395	.489	—
	13	.475	.453	.515	.493	.507	.437	.504	.460	.513	.501	.514	.476	.487
	14	.510	.496	.502	.487	.497	.499	.499	.501	.507	.508	.515	.518	.503
	15	.502	.486	.501	.502	.497	.528	.505	—	—	—	—	—	.492
	16	—	—	—	—	—	—	—	.428	.472	.477	.485	.516	—
	17	.503	.519	.487	.506	.509	.524	.535	.535	.535	.532	.541	.562	.524
	18	.592	.583	.590	.570	.566	.552	.552	.545	.540	—	.543	.567	.564
	19	.574	.575	.560	.561	.540	.545	.544	.536	.531	.500	.537	.547	.546
	20	.471	.564	.545	.546	.528	.519	.509	.515	.506	.494	.480	.473	.513
	21	.517	.534	.530	.495	.496	.460	.471	.477	.465	.413	.462	.503	.485
	22	.482	.518	.492	.511	.483	.465	.460	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	.503	.491	.486	.462	.480	.486
	24	.491	.495	.494	.488	.468	.485	.493	.510	.514	.507	.481	.506	.494
	25	.538	.518	.528	.503	.491	.480	.479	.487	.499	.480	.498	.536	.503
	26	.499	.515	.528	.528	.518	.529	.547	.563	.568	.571	.580	.608	.546
	27	.590	.583	.565	.566	.572	.574	.570	.556	.521	.550	.568	.564	.565
	28	.582	.564	.543	.555	.538	.512	.509	.532	.521	—	.538	.526	.538
	29	.527	.549	.519	.528	.511	.534	.540	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	.443	.457	.542	.546	.529	.519
	31	.519	.516	.492	.475	.528	.538	.570	.557	.526	.563	.564	.576	.535
Hourly Means	.522	.529	.526	.517	.509	.505	.504	.500	.497	.494	.498	.514	.511	

<sup>a</sup> Omitted in the means; silk of the wet bulb dry.

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	FEBRUARY.	1	88	84	82	85	92	95	97	96	97	97	97	88	92	
		2	91	86	88	96	97	98	98	98	98	98	98	98	95	
		3	98	98	92	93	96	96	96	97	97	97	97	98	96	
		4	98	98	97	97	97	97	97	97	96	95	92	92	95	96
		5	95	91	87	86	89	91	92	—	—	—	—	—	—	90
		6	—	—	—	—	—	—	—	90	90	91	89	91	—	
		7	78	68	65	84	85	89	91	91	91	90	92	93	91	85
		8	74	80	84	91	93	95	92	92	95	95	95	96	96	91
		9	95	96	95	93	95	94	94	93	93	93	92	96	92	94
		10	86	85	89	87	96	97	98	98	98	97	96	97	97	94
		11	95	86	87	95	97	98	98	98	98	97	99	98	98	96
		12	96	92	91	90	93	95	94	—	—	—	—	—	—	94
		13	—	—	—	—	—	—	—	—	96	97	90	95	95	
		14	89	85	85	86	91	92	87	86	89	90	90	95	95	89
		15	92	93	94	95	96	98	98	97	95	—	—	—	98	96
		16	99	98	98	99	97	97	98	97	97	97	98	98	97	98
		17	98	97	97	95	96	94	93	96	96	96	96	96	96	96
		18	95	89	87	87	96	91	90	91	88	88	90	84	84	90
		19	76	79	75	86	82	79	83	—	—	—	—	—	—	81
		20	—	—	—	—	—	—	—	82	82	83	84	82	—	
		21	75	72	75	81	87	86	87	89	82	81	80	76	76	81
		22	86	81	73	80	83	91	94	94	92	94	92	92	92	88
		23	77	72	79	77	90	84	92	93	94	92	92	95	95	87
		24	83	80	80	85	88	91	93	93	94	93	93	93	88	88
		25	72	64	76	87	89	91	89	90	93	93	89	87	87	85
		26	81	76	80	85	87	88	88	—	—	—	—	—	—	86
		27	—	—	—	—	—	—	—	91	91	91	93	84	—	
		28	74	72	76	72	87	89	89	90	90	91	83	82	82	83
Hourly Means		87	84	85	88	92	92	93	93	93	93	93	91	90		
Tension of the Vapour.	FEBRUARY.	1	.579	.583	.574	.567	.572	.590	.590	.576	.586	.575	.582	.574	.579	
		2	.613	.609	.608	.617	.608	.609	.596	.583	.579	.575	.571	.587	.596	
		3	.609	.629	.597	.584	.573	.575	.576	.577	.556	.551	.554	.576	.580	
		4	.615	.596	.562	.572	.543	.547	.557	.536	.521	.510	.526	.557	.554	
		5	.578	.546	.557	.525	.523	.527	.520	—	—	—	—	—	—	.529
		6	—	—	—	—	—	—	—	.511	.505	.493	.517	.510	—	
		7	.513	.489	.499	.545	.513	.544	.539	.540	.529	.540	.552	.572	.531	
		8	.557	.555	.565	.559	.554	.562	.542	.559	.549	.550	.555	.580	.557	
		9	.589	.591	.591	.561	.570	.550	.553	.550	.544	.535	.544	.562	.562	
		10	.569	.571	.584	.560	.586	.591	.589	.577	.552	.572	.574	.594	.577	
		11	.603	.586	.605	.598	.593	.595	.596	.592	.582	.573	.538	.578	.587	
		12	.580	.595	.589	.575	.555	.573	.555	—	—	—	—	—	—	.563
		13	—	—	—	—	—	—	—	.555	.556	.519	.533	.566	—	
		14	.555	.562	.557	.547	.540	.547	.497	.494	.527	.498	.544	.559	.536	
		15	.583	.592	.586	.573	.576	.573	.577	.569	.561	—	—	.595	.579	
		16	.596	.594	.594	.595	.582	.582	.587	.569	.577	.578	.573	.574	.583	
		17	.595	.583	.608	.575	.579	.548	.554	.569	.560	.558	.556	.575	.572	
		18	.572	.576	.573	.543	.567	.531	.510	.522	.502	.501	.514	.518	.536	
		19	.513	.545	.521	.538	.491	.464	.480	—	—	—	—	—	—	.492
		20	—	—	—	—	—	—	—	.458	.460	.470	.479	.489	—	
		21	.504	.524	.539	.531	.515	.511	.523	.536	.479	.470	.472	.494	.508	
		22	.552	.549	.528	.533	.517	.561	.559	.550	.542	.553	.545	.567	.546	
		23	.567	.530	.471	.548	.566	.513	.569	.546	.552	.538	.538	.584	.544	
		24	.576	.554	.570	.563	.547	.542	.546	.550	.544	.533	.547	.567	.553	
		25	.518	.499	.567	.581	.555	.555	.536	.538	.546	.548	.526	.547	.543	
		26	.544	.536	.569	.553	.530	.533	.523	—	—	—	—	—	—	.530
		27	—	—	—	—	—	—	—	.504	.511	.497	.526	.537	—	
		28	.514	.531	.529	.489	.532	.511	.502	.505	.497	.507	.460	.543	.510	
Hourly Means		.566	.564	.564	.560	.554	.551	.549	.544	.538	.532	.536	.560	.552		

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	MARCH.	1	79	69	79	86	91	91	89	89	86	91	93	93	86	
		2	82	88	85	87	95	94	95	97	97	95	93	87	91	
		3	80	74	79	83	91	92	93	93	94	94	94	91	88	
		4	86	80	82	88	94	97	92	92	97	97	98	97	98	92
		5	94	92	87	94	95	92	89	—	—	—	—	—	—	92
		6	—	—	—	—	—	—	—	—	97	98	92	93	83	92
		7	82	88	92	93	96	95	95	95	92	94	92	93	96	92
		8	90	82	88	93	94	97	97	97	97	98	98	93	98	94
		9	98	98	97	95	97	97	97	97	97	96	97	98	97	97
		10	96	95	87	91	94	95	96	96	96	95	95	91	77	92
		11	90	87	88	91	93	93	94	94	93	93	—	94	89	91
		12	90	92	92	92	93	93	94	—	—	—	—	—	—	93
		13	—	—	—	—	—	—	—	—	94	90	93	95	93	93
		14	82	67	78	75	85	87	92	93	93	76	93	94	94	85
		15	87	81	76	81	86	86	92	92	92	93	90	90	88	87
		16	81	77	76	78	87	84	92	93	93	93	94	95	92	87
		17	86	75	69	76	89	86	87	89	89	95	91	89	88	85
		18	73	64	75	83	86	87	94	91	91	94	94	94	93	86
		19	82	83	84	84	92	97	97	—	—	—	—	—	—	92
		20	—	—	—	—	—	—	—	—	95	97	96	97	96	92
		21	90	84	89	89	91	92	94	96	96	96	94	95	93	92
		22	84	89	85	82	89	87	88	90	91	87	87	93	76	87
		23	87	88	89	93	95	97	97	98	98	98	98	97	98	95
		24	98	97	97	94	96	97	98	97	97	97	97	97	97	97
		25	94	86	84	88	93	95	97	97	97	97	97	94	91	93
		26	91	83	—	81	85	89	89	—	—	—	—	—	—	85
		27	—	—	—	—	—	—	—	—	82	82	85	87	79	82
		28	73	72	74	77	81	80	89	85	89	89	89	89	81	82
		29	76	71	73	77	87	92	98	95	96	96	96	96	88	87
		30	85	79	77	84	90	94	94	95	95	95	95	95	91	90
		31	93	75	80	83	86	91	92	93	93	93	94	90	88	88
Hourly Means		86	82	83	86	91	92	93	93	93	94	94	90	90		
Tension of the Vapour.	MARCH.	1	In. .572	In. .534	In. .628	In. .624	In. .581	In. .572	In. .568	In. .535	In. .527	In. .549	In. .587	In. .617	In. .575	
		2	.619	.653	.617	.610	.626	.596	.593	.601	.592	.571	.586	.604	.606	
		3	.621	.636	.693	.661	.622	.610	.611	.608	.598	.596	.614	.639	.626	
		4	.654	.642	.673	.660	.637	.639	.593	.619	.615	.625	.610	.619	.632	
		5	.608	.594	.603	.603	.591	.555	.543	—	—	—	—	—	—	579
		6	—	—	—	—	—	—	—	.594	.593	.567	.559	.540	—	
		7	.582	.633	.651	.621	.607	.607	.593	.563	.586	.533	.570	.597	.595	
		8	.591	.606	.671	.636	.609	.618	.619	.603	.606	.608	.596	.627	.616	
		9	.649	.647	.651	.624	.609	.612	.586	.611	.577	.575	.587	.612	.612	
		10	.600	.652	.612	.586	.592	.589	.595	.589	.578	.548	.539	.500	.582	
		11	.605	.592	.632	.634	.567	.557	.569	.550	.548	—	.542	.556	.578	
		12	.651	.637	.648	.596	.564	.558	.556	—	—	—	—	—	—	586
		13	—	—	—	—	—	—	—	.558	.532	.554	.578	.595	—	
		14	.544	.499	.542	.492	.529	.555	.562	.557	.446	.524	.548	.571	.531	
		15	.571	.573	.544	.547	.531	.531	.564	.564	.557	.541	.548	.588	.555	
		16	.567	.578	.547	.552	.549	.552	.551	.550	.550	.545	.560	.566	.556	
		17	.566	.551	.519	.530	.555	.515	.511	.527	.555	.534	.510	.548	.535	
		18	.504	.469	.546	.558	.527	.517	.548	.538	.552	.535	.562	.584	.537	
		19	.572	.581	.572	.548	.571	.592	.585	—	—	—	—	—	—	583
		20	—	—	—	—	—	—	—	.606	.593	.589	.591	.597	—	
		21	.636	.613	.597	.567	.557	.559	.569	.586	.581	.549	.552	.578	.579	
		22	.581	.593	.575	.544	.551	.523	.515	.519	.525	.489	.559	.522	.541	
		23	.612	.653	.635	.611	.598	.601	.609	.593	.592	.592	.584	.608	.607	
		24	.639	.626	.616	.597	.602	.598	.608	.578	.582	.588	.580	.606	.602	
		25	.621	.605	.602	.584	.573	.587	.592	.589	.583	.577	.592	.584	.591	
		26	.635	.603	—	.553	.534	.547	.551	—	—	—	—	—	—	540
		27	—	—	—	—	—	—	—	.501	.492	.498	.521	.506	—	
		28	.522	.540	.535	.513	.502	.480	.557	.513	.547	.540	.541	.554	.529	
		29	.561	.544	.552	.547	.562	.583	.606	.575	.583	.581	.588	.599	.573	
		30	.598	.567	.580	.580	.576	.601	.586	.580	.582	.579	.565	.586	.582	
		31	.620	.570	.569	.558	.547	.556	.565	.558	.556	.559	.536	.579	.564	
Hourly Means		.596	.592	.600	.583	.573	.571	.574	.569	.564	.556	.567	.581	.578		

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.																
Hours of Mean Gottingen Time.		0	2	4	6	8	10	12	14	16	18	20	22	Daily and Monthly Means.		
Hours of Mean St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	APRIL.	1	87	74	77	80	89	92	93	94	96	96	95	93	89	
		2	79	74	89	85	89	92	93	—	—	—	—	—		90
		3	—	—	—	—	—	—	—	95	95	95	95	94	92	
		4	84	82	87	89	92	94	95	96	96	96	96	96		98
		5	95	89	90	92	93	93	95	94	92	—	—	95	88	92
		6	81	86	88	94	95	95	94	93	95	95	95	94	90	
		7	81	81	82	81	88	89	92	92	94	94	94	94	92	88
		8	84	89	87	83	93	91	95	87	86	86	87	89	75	
		9	72	78	84	75	86	91	86	—	—	—	—	—	—	88
		10	—	—	—	—	—	—	—	96	97	97	95	96	96	
		11	97	97	97	98	98	92	97	97	97	97	95	92	94	96
		12	89	80	83	86	90	89	92	92	92	88	89	89	81	
		13	82	81	77	83	86	87	87	87	89	95	96	96	97	88
		14	97	92	97	98	98	98	98	98	98	99	98	98	98	
		15	98	98	98	97	98	98	98	99	98	98	98	98	98	98
		16	98	98	97	94	97	97	97	96	—	—	—	—	—	
		17	—	—	—	—	—	—	—	—	94	94	90	79	78	85
		18	72	73	76	80	85	87	87	87	89	92	93	94	94	
		19	84	84	83	87	90	93	93	93	93	97	94	94	82	78
		20	72	67	63	71	79	84	82	84	86	86	82	83	76	
		21	75	71	68	77	83	84	88	88	89	89	75	83	84	77
		22	79	75	75	79	85	86	76	74	69	—	—	76	73	
		23	76	76	81	86	92	91	93	—	—	—	—	—	—	86
		24	—	—	—	—	—	—	—	—	90	92	91	93	92	
		25	82	77	76	80	88	88	89	91	91	92	91	89	92	84
		26	74	86	84	91	93	95	91	93	94	—	—	88	86	
		27	82	72	92	74	82	87	85	89	86	84	90	85	85	86
		28	80	77	79	81	86	86	87	88	87	94	94	94	88	
		29	86	85	81	91	92	96	88	95	82	95	91	84	84	79
		30	79	83	78	82	87	85	95	—	—	—	—	—	—	
		31	—	—	—	—	—	—	—	—	76	72	76	74	64	88
Hourly Means		83	82	84	85	90	91	91	91	91	91	91	87	88		
Tension of the Vapour.	APRIL.	1	In. .592	In. .549	In. .580	In. .559	In. .564	In. .584	In. .587	In. .583	In. .560	In. .543	In. .552	In. .568	.568	
		2	.550	.542	.596	.567	.551	.562	.552	—	—	—	—	—		.569
		3	—	—	—	—	—	—	—	—	.579	.578	.578	.575	.602	
		4	.563	.588	.553	.562	.574	.572	.578	.568	.557	.540	—	.565	.579	.576
		5	.609	.592	.601	.574	.573	.568	.578	.557	.540	—	—	.565	.579	
		6	.582	.614	.603	.596	.562	.572	.571	.561	.578	.569	.566	.566	.579	.559
		7	.577	.594	.572	.549	.549	.531	.544	.543	.552	.559	.561	.561	.573	
		8	.578	.581	.559	.516	.557	.540	.561	.486	.497	.500	.513	.471	.471	.537
		9	.497	.534	.519	.459	.510	.539	.484	—	—	—	—	—	—	
		10	—	—	—	—	—	—	—	—	.581	.590	.573	.579	.576	.546
		11	.597	.626	.605	.606	.603	.565	.583	.577	.570	.573	.548	.592	.592	
		12	.603	.557	.565	.546	.545	.542	.551	.560	.506	.526	.526	.520	.520	.606
		13	.548	.553	.529	.534	.527	.532	.521	.535	.561	.557	.569	.595	.595	
		14	.603	.588	.609	.601	.599	.593	.601	.599	.593	.578	.592	.592	.609	.541
		15	.633	.638	.633	.615	.600	.605	.601	.587	.587	.571	.593	.605	.605	
		16	.629	.633	.626	.603	.589	.593	.572	—	—	—	—	—	—	.494
		17	—	—	—	—	—	—	—	.553	.540	.497	.442	.484	.484	
		18	.479	.492	.499	.492	.495	.504	.489	.508	.542	.546	.553	.544	.544	.526
		19	.548	.563	.573	.538	.526	.541	.551	.543	.557	.526	.511	.509	.509	
		20	.511	.463	.461	.453	.453	.484	.470	.477	.491	.466	.441	.471	.471	.524
		21	.493	.524	.489	.497	.492	.498	.521	.498	.510	.419	.450	.538	.494	
		22	.523	.501	.512	.499	.506	.508	.444	.442	.405	—	.443	.477	.477	.479
		23	.484	.526	.543	.535	.537	.539	.526	—	—	—	—	—	—	
		24	—	—	—	—	—	—	—	.489	.520	.513	.533	.570	.570	.512
		25	.536	.507	.512	.514	.528	.521	.517	.526	.526	.524	.517	.556	.556	
		26	.489	.566	.527	.531	.540	.538	.523	.534	.529	—	.487	.508	.508	.523
		27	.500	.497	.616	.459	.480	.513	.481	.499	.486	.470	.428	.423	.423	
		28	.534	.520	.518	.504	.510	.505	.504	.503	.498	.504	.530	.540	.540	.463
		29	.539	.540	.529	.532	.527	.534	.500	.512	.445	.517	.503	.469	.469	
		30	.498	.518	.493	.493	.504	.492	.447	—	—	—	—	—	—	.408
		31	—	—	—	—	—	—	—	—	.433	.408	.433	.429	.404	
Hourly Means		.545	.554	.555	.536	.539	.541	.533	.532	.528	.526	.522	.537	.538		

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 St. Helena Time. }		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	MAY.	2	87	70	68	74	81	87	82	87	86	89	93	89	83	
		3	74	71	78	88	88	87	86	91	92	87	83	80	84	
		4	90	80	88	92	95	96	96	97	97	97	97	98	98	94
		5	98	98	97	97	97	97	97	97	98	97	97	97	97	97
		6	94	88	88	90	93	95	96	96	96	97	96	96	97	94
		7	91	94	93	94	95	96	95	—	—	—	—	—	—	94
		8	—	—	—	—	—	—	—	—	95	94	96	96	94	90
		9	88	83	87	87	90	91	92	92	92	92	92	92	90	92
		10	85	84	90	91	91	94	95	94	94	94	95	95	92	95
		11	90	93	99	95	95	96	96	96	96	95	96	94	94	95
		12	93	97	95	93	94	95	96	96	95	96	97	95	95	95
		13	92	93	93	88	87	87	87	87	85	87	85	87	82	88
		14	83	90	92	95	95	95	93	—	—	—	—	—	—	90
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	90
		16	—	—	—	—	—	—	—	—	88	84	87	87	91	88
		17	74	82	77	89	96	93	91	87	87	90	94	95	92	87
		18	95	93	89	86	89	87	87	85	85	85	87	82	84	87
		19	80	71	77	82	85	74	85	—	—	69	74	72	70	76
		20	64	73	71	69	74	80	83	86	82	87	87	77	69	76
		21	69	71	73	70	85	89	89	—	—	—	—	—	—	79
		22	—	—	—	—	—	—	—	84	85	83	83	77	68	77
		23	60	65	66	74	81	85	87	87	84	83	83	79	70	90
		24	73	81	92	94	93	92	90	95	95	95	95	95	86	85
		25	88	77	78	84	88	87	89	91	89	82	84	84	81	86
		26	73	79	74	78	87	94	95	96	95	89	79	88	88	80
		27	77	74	72	80	85	81	87	73	76	76	85	85	90	80
		28	64	65	70	79	92	94	87	—	—	—	—	—	—	80
		29	—	—	—	—	—	—	—	90	91	77	72	76	76	78
		30	72	74	74	83	82	71	64	76	71	93	94	78	78	85
		31	73	73	80	87	91	88	93	93	91	81	87	83	83	85
		Hourly Means		81	81	82	86	89	89	90	90	89	89	88	85	87
Tension of the Vapour.	MAY.	2	In. .526	In. .485	In. .469	In. .456	In. .473	In. .500	In. .486	In. .483	In. .489	In. .494	In. .498	In. .527	In. .491	
		3	.473	.479	.534	.535	.518	.502	.489	.513	.514	.484	.479	.503	.502	
		4	.566	.547	.584	.567	.566	.572	.561	.569	.575	.580	.593	.616	.575	
		5	.644	.637	.640	.624	.608	.595	.595	.601	.592	.586	.591	.626	.612	
		6	.625	.648	.638	.610	.584	.587	.581	.575	.577	.570	.557	.618	.598	
		7	.622	.621	.619	.613	.591	.586	.577	—	—	—	—	—	—	
		8	—	—	—	—	—	—	—	.540	.535	.549	.557	.582	.583	
		9	.590	.565	.569	.537	.528	.525	.531	.515	.506	.512	.531	.560	.539	
		10	.556	.573	.600	.562	.525	.541	.538	.521	.511	.526	.536	.558	.546	
		11	.594	.625	.634	.571	.545	.549	.555	.546	.534	.539	.514	.569	.565	
		12	.621	.584	.572	.556	.545	.536	.545	.538	.534	.547	.532	.563	.556	
		13	.576	.605	.592	.533	.502	.487	.494	.475	.489	.478	.489	.487	.517	
		14	.525	.605	.589	.566	.551	.532	.516	—	—	—	—	—	—	
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	
		16	—	—	—	—	—	—	—	.606	.460	.480	.481	.513	.535	
		17	.479	.531	.486	.526	.513	.517	.507	.478	.505	.541	.545	.542	.514	
		18	.551	.549	.541	.516	.510	.486	.480	.453	.448	.460	.445	.481	.493	
		19	.485	.455	.488	.476	.470	.406	.478	—	.375	.408	.400	.419	.442	
		20	.418	.468	.438	.399	.402	.446	.466	.477	.449	.463	.424	.503	.446	
		21	.448	.470	.474	.422	.470	.489	.497	—	—	—	—	—	—	
		22	—	—	—	—	—	—	—	.459	.455	.435	.403	.399	.452	
		23	.363	.415	.403	.432	.449	.470	.483	.474	.462	.453	.441	.419	.439	
		24	.485	.544	.555	.540	.530	.519	.508	.532	.521	.508	.504	.509	.521	
		25	.550	.509	.496	.482	.499	.490	.502	.498	.478	.439	.454	.467	.489	
		26	.459	.497	.454	.444	.477	.513	.497	.508	.482	.468	.420	.476	.475	
		27	.446	.458	.446	.450	.455	.440	.471	.399	.425	.419	.459	.496	.447	
		28	.395	.425	.438	.468	.499	.473	.467	—	—	—	—	—	—	
		29	—	—	—	—	—	—	—	.468	.482	.410	.390	.436	.446	
		30	.444	.473	.460	.468	.449	.378	.347	.421	.378	.460	.461	.419	.430	
		31	.430	.453	.468	.462	.465	.449	.458	.448	.437	.389	.418	.444	.443	
		Hourly Means		.515	.529	.528	.513	.509	.504	.505	.504	.489	.488	.485	.509	.506

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	JUNE.	1	67	70	87	91	93	92	94	86	87	85	77	78	84	
		2	88	75	70	75	78	84	86	84	87	91	96	95	84	
		3	96	96	89	81	86	86	92	89	91	96	91	90	90	
		4	85	84	91	84	86	96	91	—	—	—	—	—	—	85
		5	—	—	—	—	—	—	—	—	76	79	82	80	83	85
		6	82	74	81	81	88	82	80	81	81	85	92	96	94	85
		7	88	76	72	74	80	77	71	75	82	84	86	79	79	79
		8	87	83	88	93	94	93	93	95	95	93	93	95	94	92
		9	93	84	79	82	75	92	93	92	81	86	94	86	86	86
		10	94	91	84	77	86	82	84	82	82	89	86	95	91	87
		11	89	78	80	92	93	91	94	—	—	—	—	—	—	90
		12	—	—	—	—	—	—	—	—	93	87	93	94	92	91
		13	89	82	79	89	89	92	92	92	92	96	96	96	96	91
		14	98	96	84	83	89	89	89	89	87	92	93	92	91	90
		15	89	88	85	85	86	89	92	93	93	94	94	95	95	90
		16	94	88	88	90	93	95	95	96	96	96	93	95	96	93
		17	89	86	85	88	91	86	81	81	81	84	84	85	84	85
		18	87	79	75	86	87	85	86	—	—	—	—	—	—	89
		19	—	—	—	—	—	—	—	—	100	99	96	95	90	89
		20	85	79	84	85	83	87	89	89	85	85	88	81	81	84
		21	77	78	84	87	90	89	97	92	92	92	91	94	93	89
		22	91	86	78	88	85	90	91	84	77	74	80	86	86	84
		23	73	71	74	75	78	72	76	72	75	76	75	81	81	75
		24	80	74	80	82	87	86	87	90	90	78	89	85	77	83
		25	84	75	74	78	82	77	81	—	—	—	—	—	—	84
		26	—	—	—	—	—	—	—	—	93	94	95	93	87	84
		27	88	82	83	81	86	86	82	78	94	96	95	95	95	87
		28	89	86	92	94	95	96	96	96	96	92	92	92	91	93
		29	92	91	83	88	92	88	87	93	92	92	88	89	73	88
		30	79	85	82	80	86	85	92	95	96	93	93	93	97	89
Hourly Means		87	82	82	84	87	87	88	88	89	90	90	88	87		
Tension of the Vapour.	JUNE.	1	In. .407	In. .433	In. .488	In. .485	In. .479	In. .477	In. .485	In. .441	In. .444	In. .424	In. .391	In. .420	In. .448	
		2	.490	.433	.414	.412	.417	.443	.452	.447	.463	.476	.498	.493	.453	
		3	.508	.497	.469	.430	.437	.443	.453	.430	.428	.468	.434	.470	.456	
		4	.459	.443	.476	.439	.447	.443	.446	—	—	—	—	—	—	428
		5	—	—	—	—	—	—	—	.381	.383	.399	.395	.428	—	
		6	.435	.433	.442	.424	.448	.405	.400	.380	.425	.455	.464	.461	.431	
		7	.450	.389	.376	.369	.363	.359	.331	.354	.372	.380	.376	.393	.376	
		8	.430	.434	.429	.445	.444	.435	.453	.437	.439	.416	.450	.457	.439	
		9	.466	.457	.424	.404	.374	.447	.463	.426	.388	.419	.476	.445	.432	
		10	.461	.463	.453	.393	.429	.417	.423	.404	.442	.411	.460	.434	.433	
		11	.437	.431	.424	.451	.438	.437	.455	—	—	—	—	—	—	
		12	—	—	—	—	—	—	—	.455	.413	.442	.445	.466	—	
		13	.475	.466	.439	.459	.449	.439	.436	.440	.435	.437	.455	.473	.450	
		14	.491	.484	.446	.416	.431	.424	.420	.413	.440	.436	.444	.462	.442	
		15	.463	.496	.470	.455	.419	.444	.459	.445	.452	.471	.483	.511	.464	
		16	.563	.564	.542	.521	.505	.500	.492	.498	.484	.462	.477	.508	.510	
		17	.523	.536	.517	.503	.482	.412	.380	.407	.390	.381	.388	.473	.449	
		18	.577	.531	.509	.530	.462	.448	.448	—	—	—	—	—	—	
		19	—	—	—	—	—	—	—	.527	.515	.502	.490	.497	—	
		20	.507	.501	.504	.476	.444	.461	.462	.442	.449	.460	.426	.456	.466	
		21	.467	.470	.484	.487	.481	.463	.497	.476	.472	.463	.484	.493	.478	
		22	.480	.489	.452	.474	.435	.473	.458	.422	.391	.374	.406	.439	.441	
		23	.409	.401	.415	.388	.393	.362	.383	.355	.365	.371	.379	.415	.386	
		24	.446	.433	.441	.431	.430	.416	.420	.430	.370	.416	.401	.389	.419	
		25	.439	.406	.414	.402	.413	.365	.372	—	—	—	—	—	—	
		26	—	—	—	—	—	—	—	.439	.448	.434	.428	.436	—	
		27	.463	.459	.452	.411	.412	.406	.387	.379	.438	.439	.443	.442	.428	
		28	.425	.443	.456	.448	.446	.452	.440	.423	.416	.414	.414	.429	.434	
		29	.460	.472	.438	.429	.440	.418	.408	.443	.430	.416	.421	.374	.429	
		30	.437	.437	.431	.406	.414	.431	.451	.456	.440	.454	.458	.499	.443	
Hourly Means		.468	.462	.454	.442	.436	.432	.434	.429	.428	.432	.438	.452	.442		

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 St. Helena Time.		23	1	3	5	7	9	11	13	15	17	19	21			
Humidity of the Air.	JULY.	1	97	97	96	97	97	95	84	80	80	81	84	78	89	
		2	83	82	82	86	86	88	89	—	—	—	—	—	86	
		3	—	—	—	—	—	—	—	87	85	85	85	96	94	
		4	89	84	91	94	93	96	96	96	96	97	96	96	96	95
		5	96	96	92	93	93	94	96	94	94	95	96	96	95	86
		6	87	81	81	83	87	85	83	86	86	88	91	89	89	85
		7	84	83	78	82	87	87	87	87	88	89	87	87	75	81
		8	69	63	80	83	84	86	83	85	85	86	85	83	79	86
		9	74	82	82	84	86	87	86	—	—	—	—	—	—	85
		10	—	—	—	—	—	—	—	—	92	88	94	90	82	88
		11	80	76	77	76	80	85	90	88	92	92	92	94	91	85
		12	86	79	79	82	89	92	93	92	92	94	85	88	92	88
		13	93	87	84	92	83	80	82	80	80	77	82	—	73	83
		14	69	69	75	77	80	83	84	79	72	72	72	86	92	78
		15	83	81	87	89	93	89	95	96	96	96	96	96	96	91
		16	96	95	88	93	96	94	95	—	—	—	—	—	—	95
		17	—	—	—	—	—	—	—	96	97	97	97	97	97	94
		18	97	95	91	91	94	94	93	94	94	94	94	95	95	91
		19	94	92	89	86	90	96	91	90	91	93	90	90	92	87
		20	93	85	92	91	92	93	94	93	94	94	85	78	69	71
		21	68	67	64	66	73	75	67	70	80	75	69	69	72	81
		22	92	76	71	75	72	66	88	94	90	88	86	86	76	90
		23	79	83	92	93	94	95	96	—	—	—	—	—	—	84
		24	—	—	—	—	—	—	—	90	86	83	87	85	78	78
		25	72	73	73	82	88	89	90	86	81	81	80	86	77	86
		26	76	72	76	72	74	77	85	81	89	90	90	91	88	88
		27	82	81	78	84	87	88	86	89	87	87	90	90	91	88
		28	86	81	80	86	88	89	88	89	87	87	90	90	91	88
		29	86	80	87	87	91	92	93	93	89	88	86	86	88	86
		30	78	77	74	87	92	94	93	—	—	—	—	—	—	86
		31	—	—	—	—	—	—	—	92	74	83	92	92	92	86
Hourly Means		84	81	82	85	87	88	89	89	88	88	88	86	86		
Tension of the Vapour.	JULY.	1	In. ·489	In. ·493	In. ·462	In. ·467	In. ·446	In. ·446	In. ·387	In. ·369	In. ·375	In. ·385	In. ·399	In. ·382	In. ·425	
		2	·445	·456	·443	·443	·423	·443	·421	—	—	—	—	—	·420	
		3	—	—	—	—	—	—	—	·395	·390	·375	·369	·440	·436	
		4	·440	·419	·441	·438	·433	·433	·427	·432	·443	·438	·427	·460	·449	
		5	·475	·480	·459	·445	·441	·447	·446	·416	·437	·442	·442	·458	·413	
		6	·460	·425	·436	·420	·408	·388	·375	·392	·405	·411	·413	·420	·412	
		7	·424	·435	·440	·432	·411	·401	·390	·408	·424	·408	·398	·378	·389	
		8	·371	·343	·427	·414	·396	·399	·381	·385	·396	·383	·382	·396	·413	
		9	·396	·439	·434	·419	·411	·416	·399	—	—	—	—	—	·398	
		10	—	—	—	—	—	—	—	·431	·400	·403	·413	·396	·398	
		11	·410	·401	·389	·369	·370	·386	·402	·393	·410	·409	·419	·416	·406	
		12	·436	·415	·409	·404	·411	·414	·417	·415	·406	·368	·380	·402	·375	
		13	·417	·425	·405	·406	·365	·347	·361	·355	·342	·362	—	·339	·377	
		14	·345	·361	·380	·381	·378	·393	·394	·358	·337	·350	·398	·452	·420	
		15	·419	·421	·437	·413	·427	·399	·417	·416	·420	·422	·415	·436	·430	
		16	·443	·450	·432	·425	·422	·414	·407	—	—	—	—	—	·446	
		17	—	—	—	—	—	—	—	·435	·428	·421	·431	·455	·409	
		18	·482	·486	·479	·445	·440	·434	·424	·429	·423	·420	·426	·464	·408	
		19	·463	·457	·458	·409	·408	·417	·401	·376	·366	·357	·365	·436	·318	
		20	·459	·454	·439	·419	·416	·424	·427	·413	·413	·378	·332	·316	·356	
		21	·334	·339	·311	·296	·318	·328	·291	·302	·346	·319	·300	·337	·391	
		22	·415	·379	·345	·343	·320	·291	·370	·375	·367	·353	·354	·360	·387	
		23	·371	·421	·416	·406	·408	·407	·410	—	—	—	—	—	·371	
		24	—	—	—	—	—	—	—	·380	·368	·375	·375	·360	·421	
		25	·363	·386	·383	·407	·388	·369	·373	·382	·408	·409	·395	·381	·433	
		26	·369	·377	·387	·360	·344	·352	·394	·375	·360	·364	·392	·383	·436	
		27	·422	·434	·423	·418	·413	·410	·404	·425	·423	·418	·429	·429	·405	
		28	·443	·448	·442	·446	·426	·424	·417	·431	·407	·426	·428	·454	·405	
		29	·446	·433	·458	·452	·441	·458	·454	·445	·425	·403	·399	·416	—	
		30	·395	·400	·382	·415	·418	·415	·410	—	—	—	—	—	—	
		31	—	—	—	—	—	—	—	·433	·337	·398	·418	·439	—	
Hourly Means		·421	·422	·420	·411	·403	·402	·400	·399	·395	·392	·396	·408	·406		

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 St. Helena Time.	23	1	3	5	7	9	11	13	15	17	19		21		
Humidity of the Air.	AUGUST.	1	92	93	86	88	93	93	93	93	94	94	93	92	92	
		2	89	86	82	86	89	89	84	89	87	86	84	82	86	
		3	82	71	82	84	89	90	89	84	81	80	87	81	83	
		4	81	77	67	78	81	69	70	87	86	78	81	78	78	82
		5	67	77	67	83	89	88	87	85	91	92	81	71	82	
		6	81	86	77	92	85	88	91	—	—	—	—	—	86	
		7	—	—	—	—	—	—	—	84	80	88	92	86	86	
		8	92	67	84	84	89	92	91	91	91	90	90	94	88	
		9	95	94	92	92	95	96	96	96	97	95	96	96	95	
		10	94	93	86	82	82	77	86	80	77	78	91	84	84	
		11	80	81	76	77	74	78	85	98	85	91	93	92	84	
		12	92	82	83	86	91	90	92	92	93	89	89	93	89	
		13	91	86	93	93	94	93	86	—	—	—	—	—	87	
		14	—	—	—	—	—	—	—	82	82	82	85	82	87	
		15	73	73	77	80	80	82	85	87	85	84	84	84	81	
		16	79	77	76	77	80	80	81	82	84	81	81	88	81	
		17	72	80	91	87	87	90	88	91	93	95	95	85	88	
		18	94	77	80	87	89	91	87	91	96	97	96	94	90	
		19	94	92	93	94	91	93	91	94	95	95	95	96	94	
		20	92	89	88	91	92	93	93	—	—	—	—	—	92	
		21	—	—	—	—	—	—	—	94	95	94	94	89	92	
		22	81	81	85	89	90	93	93	94	93	94	93	89	90	
		23	63	81	68	81	87	87	90	91	93	94	93	95	85	
		24	88	91	85	87	87	93	92	89	86	86	91	83	88	
		25	81	72	72	75	80	75	76	81	84	75	81	77	77	
		26	74	73	84	82	83	82	80	80	80	81	80	80	80	
		27	82	81	83	91	94	96	94	—	—	—	—	—	88	
		28	—	—	—	—	—	—	—	82	86	90	92	80	88	
		29	83	76	77	83	75	83	78	81	82	84	80	76	80	
		30	69	74	72	77	78	91	81	88	93	96	94	92	84	
		31 <sup>a</sup>	87	81	73	82	85	85	92	—	—	—	—	—	—	
Hourly Means	83	81	81	85	86	87	87	88	88	88	89	86	86			
Tension of the Vapour.	AUGUST.	1	In. .446	In. .453	In. .454	In. .434	In. .451	In. .432	In. .438	In. .432	In. .438	In. .431	In. .427	In. .432	In. .439	
		2	.434	.445	.431	.425	.425	.416	.382	.417	.397	.393	.386	.414	.414	
		3	.433	.387	.435	.417	.425	.421	.416	.381	.370	.360	.399	.405	.404	
		4	.423	.390	.354	.392	.387	.328	.329	.416	.399	.351	.381	.384	.378	
		5	.352	.381	.365	.408	.426	.416	.407	.378	.408	.413	.365	.346	.389	
		6	.422	.438	.385	.432	.387	.416	.426	—	—	—	—	—	.399	
		7	—	—	—	—	—	—	—	.380	.351	.373	.388	.387	.399	
		8	.419	.366	.391	.402	.407	.411	.398	.399	.392	.386	.387	.431	.399	
		9	.441	.453	.436	.428	.426	.427	.430	.430	.420	.410	.412	.431	.429	
		10	.455	.445	.413	.379	.369	.352	.382	.360	.342	.341	.388	.394	.385	
		11	.397	.414	.387	.373	.345	.355	.380	.431	.371	.381	.391	.417	.387	
		12	.429	.415	.419	.397	.410	.400	.410	.404	.389	.382	.384	.437	.406	
		13	.442	.425	.460	.425	.416	.400	.370	—	—	—	—	—	.399	
		14	—	—	—	—	—	—	—	.354	.359	.354	.380	.401	.399	
		15	.399	.408	.399	.390	.378	.365	.381	.380	.385	.374	.382	.388	.386	
		16	.393	.389	.381	.370	.363	.362	.365	.365	.366	.353	.372	.404	.374	
		17	.378	.419	.446	.418	.401	.412	.400	.409	.402	.404	.399	.382	.406	
		18	.396	.381	.372	.379	.380	.382	.359	.378	.388	.383	.382	.404	.382	
		19	.416	.420	.413	.392	.392	.387	.385	.406	.402	.399	.401	.435	.404	
		20	.427	.421	.414	.419	.415	.426	.412	—	—	—	—	—	.420	
		21	—	—	—	—	—	—	—	.434	.429	.415	.417	.415	.424	
		22	.430	.431	.421	.429	.418	.435	.421	.420	.420	.423	.420	.416	.424	
		23	.337	.401	.360	.389	.401	.390	.418	.416	.422	.426	.410	.419	.399	
		24	.419	.409	.458	.410	.407	.426	.415	.405	.387	.385	.385	.380	.407	
		25	.407	.396	.387	.360	.367	.341	.335	.362	.377	.328	.360	.361	.365	
		26	.384	.396	.409	.379	.378	.356	.346	.348	.345	.343	.343	.368	.366	
		27	.398	.393	.416	.417	.415	.428	.420	—	—	—	—	—	.399	
		28	—	—	—	—	—	—	—	.356	.387	.387	.398	.370	.399	
		29	.414	.419	.401	.399	.344	.385	.355	.369	.365	.378	.350	.361	.378	
		30	.362	.389	.385	.364	.364	.421	.363	.400	.414	.417	.402	.390	.389	
		31 <sup>a</sup>	.424	.407	.392	.398	.385	.383	.409	—	—	—	—	—	—	
Hourly Means	.410	.411	.407	.401	.396	.396	.390	.394	.389	.384	.389	.399	.397			

<sup>a</sup> Omitted in the means.



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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	SEPTEMBER.	1	—	94	93	87	88	83	87	84	77	76	80	83	
		2	86	83	85	91	93	94	95	96	97	97	96	96	
		3	79	82	83	86	83	81	91	91	89	89	89	89	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	84	83	82	82	88	87	86	88	88	82	84	87	88
		6	83	81	79	81	81	81	82	85	83	83	88	85	85
		7	81	78	78	77	78	79	83	83	83	84	83	80	81
		8	83	79	77	81	81	80	86	89	89	89	83	84	86
		9	77	70	69	67	72	80	76	78	79	79	78	80	80
		10	78	77	76	79	83	86	89	92	94	94	96	96	96
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	97	96	96	93	94	95	95	95	96	96	96	96	96
		13	92	86	80	87	86	87	87	87	89	88	90	91	90
		14	84	85	85	85	83	84	87	88	88	89	89	90	90
		15	85	82	80	86	85	83	88	86	86	90	86	87	87
		16	82	88	85	81	83	83	86	90	92	92	92	93	93
		17	85	85	83	85	88	85	83	89	89	91	91	92	92
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	81	77	79	73	80	85	86	84	84	84	80	80	84
		20	66	74	72	77	75	72	77	76	76	76	78	79	79
		21	70	69	76	80	84	81	86	86	86	92	91	92	86
		22	90	87	86	83	88	91	93	96	96	95	97	97	96
		23	97	97	97	97	96	96	96	93	92	92	93	94	89
		24	79	80	75	70	88	86	88	87	87	89	92	92	92
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	76	76	75	72	69	71	76	78	83	87	87	88	87
		27	83	81	79	78	79	80	83	87	88	88	88	89	89
		28	82	80	78	79	79	82	83	84	86	92	87	87	87
		29	77	78	77	74	74	77	83	83	86	86	87	88	88
		30	89	83	78	76	78	80	85	88	89	89	92	93	93
		Hourly Means		83	82	81	81	83	83	86	87	88	88	89	89
Tension of the Vapour.	SEPTEMBER.	1	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
		2	—	.448	.429	.424	.419	.397	.404	.380	.342	.344	.357	.367	
		3	.446	.448	.454	.460	.461	.461	.458	.452	.453	.451	.444	.438	
		4	.391	.403	.401	.420	.404	.387	.411	.408	.406	.402	.391	.389	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	.406	.420	.414	.412	.416	.416	.400	.401	.368	.384	.397	.404	
		7	.404	.405	.394	.408	.398	.388	.385	.388	.374	.390	.381	.373	
		8	.395	.384	.407	.415	.406	.396	.393	.378	.388	.380	.361	.366	
		9	.388	.395	.397	.401	.407	.409	.420	.413	.407	.381	.391	.387	
		10	.417	.393	.395	.383	.383	.396	.367	.370	.368	.365	.365	.364	
		11	.411	.417	.418	.418	.435	.438	.440	.440	.448	.456	.454	.447	
		12	—	—	—	—	—	—	—	—	—	—	—	—	
		13	.457	.468	.465	.459	.452	.439	.434	.428	.429	.429	.430	.432	
		14	.458	.440	.427	.474	.445	.437	.411	.418	.407	.416	.421	.405	
		15	.423	.445	.450	.451	.437	.419	.414	.429	.413	.403	.407	.405	
		16	.430	.423	.416	.442	.424	.406	.428	.406	.423	.397	.407	.401	
		17	.432	.459	.459	.425	.447	.437	.429	.434	.439	.434	.445	.442	
		18	.431	.436	.435	.439	.444	.431	.406	.429	.421	.442	.433	.429	
		19	—	—	—	—	—	—	—	—	—	—	—	—	
		20	.431	.417	.430	.400	.420	.423	.417	.388	.388	.362	.366	.393	
		21	.364	.392	.393	.396	.382	.371	.382	.354	.348	.365	.365	.360	
		22	.381	.390	.419	.430	.439	.418	.423	.411	.435	.416	.428	.387	
		23	.467	.453	.456	.436	.451	.452	.448	.444	.446	.449	.446	.445	
		24	.446	.440	.453	.453	.452	.437	.431	.423	.411	.431	.402	.383	
		25	.403	.414	.400	.375	.414	.415	.411	.394	.391	.405	.396	.388	
		26	—	—	—	—	—	—	—	—	—	—	—	—	
		27	.413	.426	.422	.411	.404	.401	.390	.390	.404	.422	.419	.405	
		28	.443	.445	.440	.446	.440	.424	.416	.419	.425	.411	.417	.413	
		29	.446	.458	.472	.506	.470	.447	.434	.438	.420	.427	.411	.408	
		30	.434	.454	.470	.452	.457	.443	.438	.409	.419	.423	.423	.433	
		Hourly Means	.424	.429	.429	.430	.429	.421	.417	.411	.409	.410	.408	.405	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
83	80	81	82	86	86	86	86	89	86	91	88	85
97	97	97	97	97	96	96	92	92	89	84	84	93
90	—	—	—	—	—	—	—	—	—	—	—	87
—	86	90	91	90	89	88	86	85	86	84	82	87
86	86	86	86	86	88	90	94	95	95	91	87	87
84	83	84	84	82	82	84	82	81	80	78	77	82
81	83	85	82	82	81	80	80	82	80	81	79	81
85	87	88	86	88	86	77	81	76	80	76	78	83
82	83	80	82	79	80	81	82	78	80	79	76	78
96	—	—	—	—	—	—	—	—	—	—	—	92
—	94	96	96	94	97	97	96	96	97	97	97	95
97	96	96	96	96	93	94	93	94	93	93	93	89
88	91	93	93	93	93	90	90	89	89	88	87	90
90	93	92	92	93	93	94	94	94	95	95	88	87
87	88	89	92	92	92	92	91	91	88	86	84	90
94	95	95	96	95	96	96	95	93	92	87	84	86
91	—	—	—	—	—	—	—	—	—	—	—	80
—	84	85	87	83	88	81	79	88	86	78	75	80
86	84	81	81	77	81	77	78	78	83	75	73	77
83	86	80	82	81	77	81	77	81	78	76	72	86
84	86	89	91	88	89	87	90	91	89	91	94	95
97	97	97	97	97	99	98	97	97	98	97	98	88
89	85	85	85	86	82	80	80	81	77	80	73	85
93	—	—	—	—	—	—	—	—	—	—	—	82
—	85	82	88	90	82	82	85	83	80	83	80	87
87	86	83	83	85	86	87	85	87	86	83	82	85
89	90	92	92	91	91	91	92	91	89	87	86	88
88	88	88	89	89	89	88	89	88	86	84	83	87
89	89	89	91	96	94	94	93	94	93	93	91	85
92	94	95	95	96	95	96	97	97	98	97	97	91
89	88	88	89	89	89	88	88	85	87	86	84	86
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·367	·358	·365	·364	·384	·382	·383	·372	·392	·405	·447	·446	·390
·445	·428	·431	·415	·423	·401	·395	·390	·394	·380	·393	·395	·430
·390	—	—	—	—	—	—	—	—	—	—	—	·392
—	·374	·381	·392	·387	·376	·382	·367	·379	·386	·393	·396	·398
·389	·385	·381	·378	·379	·378	·393	·406	·405	·410	·405	·404	·379
·373	·367	·375	·370	·356	·364	·372	·361	·357	·362	·373	·384	·379
·372	·375	·389	·370	·372	·362	·349	·352	·364	·368	·374	·376	·388
·371	·390	·390	·384	·396	·385	·344	·372	·348	·373	·376	·397	·375
·373	·378	·361	·362	·351	·379	·365	·372	·354	·371	·383	·391	·428
·442	—	—	—	—	—	—	—	—	—	—	—	·430
—	·416	·423	·425	·402	·413	·408	·407	·404	·428	·441	·449	·419
·431	·415	·404	·407	·414	·401	·408	·405	·410	·414	·434	·448	·413
·402	·416	·416	·419	·409	·408	·393	·398	·394	·402	·416	·428	·419
·401	·423	·407	·402	·403	·416	·413	·406	·413	·414	·436	·421	·413
·393	·402	·405	·412	·411	·408	·408	·407	·413	·415	·427	·412	·436
·434	·432	·442	·433	·434	·435	·433	·429	·434	·446	·420	·418	·411
·427	—	—	—	—	—	—	—	—	—	—	—	·384
—	·380	·384	·397	·369	·403	·365	·358	·408	·410	·392	·402	·370
·392	·385	·367	·363	·344	·359	·341	·344	·354	·384	·361	·378	·412
·389	·394	·367	·372	·368	·342	·356	·344	·372	·359	·364	·437	·444
·378	·395	·412	·403	·390	·400	·390	·415	·409	·418	·428	·433	·398
·447	·446	·443	·440	·440	·443	·447	·441	·430	·421	·378	·366	·389
·390	·370	·374	·375	·384	·352	·342	·345	·353	·350	—	—	·404
·392	—	—	—	—	—	—	—	—	—	—	—	·424
—	·370	·359	·388	·394	·354	·356	·373	·368	·375	·397	·410	·428
·412	·398	·382	·381	·391	·392	·392	·386	·401	·412	·418	·433	·442
·413	·410	·423	·423	·416	·409	·414	·415	·415	·417	·430	·445	·465
·414	·403	·405	·405	·409	·409	·402	·407	·411	·408	·421	·438	—
·435	·425	·428	·434	·439	·460	·440	·438	·460	·458	·469	·470	—
·459	·465	·464	·452	·460	·458	·465	·469	·476	·493	·505	·513	—
·405	·400	·399	·399	·397	·396	·391	·392	·397	·403	·412	·419	·410

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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	OCTOBER.	1	98	97	97	98	98	97	97	97	97	98	97	97	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	72	70	78	76	84	78	83	85	87	88	91	91	
		4	96	95	93	87	86	85	91	92	89	88	88	93	93
		5	89	87	86	86	83	85	88	89	88	88	88	84	92
		6	78	76	75	79	78	86	86	88	88	88	92	88	89
		7	89	86	86	84	86	86	87	89	88	88	86	87	86
		8	79	76	78	77	80	83	84	86	86	81	83	83	87
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	70	70	67	66	69	68	77	76	76	74	75	75	75
		11	67	70	66	68	73	77	82	86	87	89	89	89	88
		12	82	82	78	78	82	85	86	92	93	92	92	92	92
		13	87	84	82	79	80	82	85	88	91	92	92	92	92
		14	79	79	77	77	79	79	86	88	91	92	93	93	93
		15	79	67	79	79	78	82	86	88	83	84	85	85	84
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	88	85	88	87	89	91	92	93	94	94	96	96	96
		18	94	94	95	93	94	94	94	94	94	96	96	96	97
		19	86	82	80	86	82	86	86	92	94	94	94	94	92
		20	91	89	84	85	82	81	84	81	87	91	91	91	91
		21	72	74	73	73	79	81	80	88	91	91	91	91	91
		22	87	83	84	88	82	87	89	92	93	92	93	93	93
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	80	80	78	80	79	76	77	86	87	86	88	88	88
		25	72	69	70	75	77	76	82	86	88	89	91	92	92
		26	79	80	81	82	82	—	87	90	92	92	92	92	92
		27	65	81	78	80	83	79	87	89	92	89	89	89	93
		28	83	81	83	77	81	84	86	88	86	86	89	90	90
		29	79	86	83	76	82	88	90	88	90	90	88	92	92
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		31	79	80	75	90	81	81	83	82	86	82	84	84	84
Hourly Means		82	81	81	81	82	83	86	88	89	89	90	90		
Tension of the Vapour.	OCTOBER.	1	In. ·521	In. ·503	In. ·518	In. ·509	In. ·496	In. ·483	In. ·479	In. ·465	In. ·467	In. ·469	In. ·457	In. ·449	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	·393	·394	·439	·441	·438	·411	·421	·404	·405	·408	·420	·405	·405
		4	·449	·450	·462	·456	·444	·427	·433	·431	·400	·396	·436	·426	·426
		5	·440	·432	·447	·444	·428	·423	·431	·420	·414	·407	·388	·426	·426
		6	·429	·427	·421	·442	·430	·444	·422	·424	·423	·426	·410	·417	·417
		7	·449	·448	·444	·444	·444	·444	·437	·431	·426	·405	·411	·398	·398
		8	·419	·427	·438	·438	·439	·426	·419	·406	·380	·384	·392	·403	·403
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	·385	·384	·390	·376	·387	·370	·387	·363	·358	·344	·346	·343	·343
		11	·381	·412	·397	·397	·404	·415	·413	·412	·402	·417	·414	·414	·414
		12	·452	·462	·464	·454	·458	·455	·454	·460	·462	·444	·437	·453	·453
		13	·466	·463	·468	·462	·470	·461	·450	·432	·442	·433	·431	·432	·432
		14	·472	·479	·471	·476	·472	·458	·472	·453	·455	·467	·466	·450	·450
		15	·439	·387	·444	·445	·435	·432	·444	·437	·401	·410	·417	·406	·406
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	·458	·455	·463	·450	·455	·455	·453	·455	·454	·456	·443	·437	·437
		18	·467	·478	·478	·472	·476	·463	·458	·449	·430	·442	·443	·450	·450
		19	·452	·444	·432	·446	·431	·428	·416	·430	·431	·431	·414	·406	·406
		20	·453	·452	·463	·450	·428	·410	·414	·386	·410	·424	·419	·417	·417
		21	·393	·415	·422	·410	·427	·399	·390	·416	·416	·419	·412	·415	·415
		22	·445	·430	·437	·448	·425	·428	·427	·424	·428	·421	·414	·419	·419
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	·452	·431	·442	·431	·430	·391	·382	·412	·407	·394	·413	·410	·410
		25	·416	·404	·409	·423	·421	·418	·423	·421	·419	·428	·429	·439	·439
		26	·442	·458	·448	·450	·455	—	·444	·440	·444	·439	·440	·438	·438
		27	·388	·446	·442	·446	·450	·430	·446	·434	·437	·418	·427	·439	·439
		28	·445	·453	·439	·429	·424	·425	·425	·420	·399	·397	·418	·412	·412
		29	·425	·427	·431	·433	·419	·428	·430	·414	·422	·421	·413	·428	·428
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		31	·414	·412	·401	·447	·429	·420	·412	·389	·404	·381	·388	·384	·384
Hourly Means		·436	·437	·443	·443	·439	·430	·430	·424	·421	·419	·419	·420		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
97	—	—	—	—	—	—	—	—	—	—	—	93
—	92	90	92	91	89	91	89	88	74	84	75	87
88	83	83	89	90	93	95	95	94	96	96	96	92
94	93	94	94	95	—	94	94	94	94	94	92	88
93	85	89	89	89	89	89	89	89	88	84	82	88
89	90	90	91	91	92	92	92	92	92	92	93	88
86	88	88	87	89	87	89	87	87	86	82	80	87
82	—	—	—	—	—	—	—	—	—	—	—	81
—	80	80	81	88	81	81	80	78	78	78	79	74
76	77	79	77	77	80	77	75	77	77	77	70	84
89	91	92	91	89	87	88	90	91	92	89	84	90
93	93	93	94	93	94	94	95	94	94	92	89	90
94	94	95	96	96	96	96	96	96	94	88	84	90
93	92	92	91	91	91	91	89	87	86	82	82	86
87	—	—	—	—	—	—	—	—	—	—	—	85
—	93	92	91	91	86	84	92	90	84	89	88	93
95	93	93	92	92	94	96	96	96	96	96	96	95
96	97	96	96	96	96	97	97	96	96	93	87	89
89	85	92	92	91	86	88	92	93	92	92	93	86
90	90	85	89	90	92	82	88	87	82	81	80	88
92	93	93	92	92	94	93	94	95	96	94	93	89
92	—	—	—	—	—	—	—	—	—	—	—	85
—	88	89	91	88	80	89	91	92	93	88	82	85
90	91	92	89	90	88	86	89	91	85	79	75	87
92	93	92	92	93	94	95	95	95	95	93	89	88
97	96	93	92	92	93	90	91	86	86	77	74	86
93	96	89	95	91	91	91	90	87	84	77	79	86
92	92	91	92	84	90	89	89	82	78	85	86	86
86	—	—	—	—	—	—	—	—	—	—	—	85
—	80	93	80	83	96	96	86	87	83	79	69	83
85	85	83	88	89	85	85	87	81	78	81	74	83
90	90	90	90	90	90	90	90	89	88	86	84	87
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.449	—	—	—	—	—	—	—	—	—	—	—	.447
—	.421	.416	.415	.409	.410	.418	.404	.408	.356	.414	.394	.413
.402	.369	.381	.408	.398	.412	.413	.415	.414	.433	.432	.451	.430
.434	.412	.420	.429	.425	—	.422	.413	.416	.425	.435	.452	.414
.403	.386	.407	.408	.395	.394	.392	.392	.406	.413	.418	.432	.424
.416	.415	.413	.411	.416	.419	.411	.411	.421	.430	.437	.455	.417
.399	.407	.404	.390	.403	.391	.402	.391	.397	.404	.414	.423	.389
.378	—	—	—	—	—	—	—	—	—	—	—	.363
—	.355	.358	.358	.377	.361	.358	.352	.351	.357	.373	.393	.417
.346	.353	.356	.350	.351	.369	.349	.342	.354	.363	.379	.371	.449
.415	.432	.432	.423	.403	.401	.405	.423	.435	.452	.454	.454	.447
.441	.446	.439	.438	.427	.439	.436	.434	.447	.458	.463	.465	.444
.443	.437	.441	.436	.436	.435	.430	.431	.440	.468	.456	.474	.426
.438	.434	.431	.419	.423	.418	.413	.411	.411	.417	.426	.432	.449
.413	—	—	—	—	—	—	—	—	—	—	—	.444
—	.453	.442	.431	.434	.403	.401	.430	.417	.409	.449	.448	.421
.434	.423	.441	.422	.437	.443	.459	.456	.460	.450	.452	.475	.414
.449	.440	.435	.432	.430	.424	.425	.430	.424	.430	.426	.431	.445
.395	.387	.422	.402	.398	.382	.400	.409	.419	.431	.442	.445	.421
.416	.400	.385	.416	.411	.423	.361	.402	.384	.398	.420	.402	.414
.408	.420	.403	.396	.409	.394	.408	.414	.421	.433	.423	.449	.413
.416	—	—	—	—	—	—	—	—	—	—	—	.418
—	.403	.405	.411	.388	.348	.405	.412	.418	.430	.427	.425	.412
.419	.413	.421	.406	.405	.394	.385	.403	.416	.403	.404	.418	.435
.437	.441	.432	.431	.437	.443	.446	.454	.454	.469	.466	.477	.433
.447	.443	.423	.418	.416	.422	.407	.413	.410	.423	.420	.427	.427
.441	.439	.413	.437	.407	.409	.411	.412	.413	.424	.407	.430	.416
.419	.421	.408	.417	.377	.402	.405	.413	.391	.383	.426	.429	.408
.398	—	—	—	—	—	—	—	—	—	—	—	.395
—	.365	.418	.364	.380	.418	.421	.382	.393	.393	.391	.377	.422
.391	.385	.369	.394	.398	.372	.374	.387	.370	.367	.396	.386	.417
.417	.412	.412	.410	.407	.405	.406	.409	.411	.416	.425	.431	.422

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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
Humidity of the Air. NOVEMBER.	1	73	74	74	73	79	81	82	79	84	83	82	80
	2	69	67	71	72	77	78	83	84	86	87	84	86
	3	64	70	71	68	66	64	72	81	85	86	83	89
	4	69	70	65	66	69	76	76	80	79	80	79	82
	5	77	75	74	81	80	80	79	86	88	89	87	91
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	76	76	74	71	78	80	83	85	88	89	88	89
	8	73	72	77	77	79	74	80	86	88	89	88	88
	9	71	73	72	73	74	80	83	87	80	83	86	83
	10	97	92	92	92	90	91	89	94	89	95	95	97
	11	96	95	96	92	90	82	91	94	91	93	94	95
	12	84	70	79	78	79	78	85	85	91	82	87	87
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	84	78	78	94	86	92	97	97	97	96	97	97
	15	78	81	77	78	81	84	81	88	83	84	83	84
	16	77	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	86	89	86	81	85	88	91	92	92	94	96
	19	97	95	91	88	89	87	91	89	92	92	93	93
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	79	78	75	77	78	79	82	84	86	86	88	90
	22	69	78	76	76	74	71	82	89	91	93	92	89
	23	95	96	96	93	91	89	88	92	94	92	93	86
	24	85	81	82	81	83	91	92	95	91	94	94	95
	25	72	76	77	72	70	75	77	84	87	91	91	90
	26	82	70	71	73	78	83	84	88	88	89	90	90
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	64	68	55	65	66	78	78	85	83	86	87	86
	29	80	82	70	72	82	76	84	86	88	88	91	88
	30	90	74	79	75	76	81	88	86	87	91	91	87
	Hourly Means	79	78	78	78	79	81	84	87	88	89	89	89
Tension of the Vapour. NOVEMBER.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.393	.410	.417	.417	.416	.414	.402	.381	.394	.387	.379	.368
	2	.391	.400	.416	.415	.426	.426	.418	.409	.404	.402	.383	.395
	3	.390	.417	.424	.414	.395	.379	.404	.414	.409	.397	.389	.406
	4	.415	.413	.420	.412	.423	.428	.408	.419	.397	.396	.386	.398
	5	.448	.441	.444	.463	.464	.446	.437	.436	.437	.438	.428	.455
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	.427	.446	.440	.442	.451	.446	.447	.441	.445	.441	.423	.434
	8	.435	.436	.439	.452	.448	.416	.433	.444	.451	.449	.437	.433
	9	.429	.440	.442	.451	.447	.446	.447	.451	.402	.416	.431	.417
	10	.486	.490	.490	.498	.476	.474	.455	.468	.433	.459	.464	.474
	11	.493	.487	.475	.492	.498	.456	.476	.467	.441	.452	.457	.463
	12	.457	.427	.466	.457	.452	.439	.455	.429	.452	.415	.415	.421
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	.464	.467	.455	.509	.472	.486	.484	.480	.479	.479	.470	.477
	15	.437	.446	.452	.459	.455	.445	.421	.448	.410	.414	.402	.405
	16	.430	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	.482	.486	.492	.488	.484	.468	.470	.466	.473	.475	.485
	19	.511	.518	.509	.512	.507	.490	.485	.450	.458	.464	.459	.459
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	.460	.465	.469	.471	.466	.468	.447	.439	.440	.436	.451	.453
	22	.400	.468	.464	.472	.457	.424	.465	.478	.482	.483	.481	.459
	23	.501	.510	.501	.497	.481	.471	.455	.467	.472	.456	.462	.420
	24	.465	.473	.464	.484	.473	.483	.481	.478	.464	.473	.471	.475
	25	.447	.471	.482	.459	.421	.454	.439	.442	.449	.468	.465	.450
	26	.465	.450	.454	.444	.452	.457	.454	.460	.449	.449	.452	.451
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	.411	.445	.377	.460	.437	.460	.430	.452	.428	.436	.439	.429
	29	.457	.468	.428	.427	.457	.436	.449	.443	.446	.446	.449	.436
	30	.472	.445	.449	.434	.433	.425	.459	.429	.425	.449	.451	.430
Hourly Means	.445	.455	.453	.460	.454	.448	.447	.446	.439	.441	.438	.437	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
81	83	80	81	79	79	77	86	80	83	79	70	79
86	86	87	86	82	83	85	82	84	77	71	76	80
89	88	86	87	88	87	84	82	77	77	75	69	79
90	85	85	86	86	86	86	87	83	82	82	80	80
92	—	—	—	—	—	—	—	—	—	—	—	85
—	86	88	90	92	93	88	86	94	83	83	87	
91	92	91	92	92	92	92	92	89	87	82	75	85
89	91	93	91	91	91	86	86	91	82	70	70	83
82	84	85	90	96	95	96	94	94	96	96	92	85
97	96	94	95	96	95	94	96	96	97	96	94	94
96	96	96	95	92	87	88	86	86	86	79	77	91
89	—	—	—	—	—	—	—	—	—	—	—	85
—	92	92	92	94	92	92	86	87	82	81	82	
96	93	89	90	90	91	91	87	88	88	87	83	90
87	86	87	86	84	84	88	87	86	82	83	80	83
—	—	—	—	—	—	—	—	—	—	—	—	92
—	—	—	—	—	—	—	—	—	—	—	—	
96	97	98	97	95	96	92	97	97	97	96	97	90
93	—	—	—	—	—	—	—	—	—	—	—	
—	97	94	92	89	88	88	88	88	86	86	81	83
87	86	91	87	83	83	83	91	81	—	75	75	
91	94	89	89	85	87	82	87	87	79	91	88	85
89	91	96	96	92	86	91	89	89	85	85	83	91
94	95	91	88	95	96	93	88	89	89	90	78	90
90	89	94	91	89	92	88	88	82	79	79	78	83
90	—	—	—	—	—	—	—	—	—	—	—	84
—	93	92	92	91	91	93	83	77	78	84	72	
88	89	89	89	90	91	91	89	87	91	87	84	82
87	83	77	75	84	83	81	85	85	73	75	89	82
88	92	95	92	89	91	92	93	96	92	84	81	87
90	90	90	90	89	89	88	88	87	85	83	81	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·368	·381	·360	·371	·361	·358	·349	·389	·370	·399	·409	·383	·387
·394	·396	·402	·392	·375	·378	·390	·379	·394	·385	·385	·418	·399
·410	·409	·401	·405	·414	·386	·391	·388	·379	·394	·394	·398	·400
·428	·400	·399	·397	·406	·400	·400	·413	·401	·408	·435	·443	·411
·456	—	—	—	—	—	—	—	—	—	—	—	·441
—	·419	·427	·435	·450	·452	·421	·413	·463	·419	·434	·460	
·441	·443	·432	·439	·440	·439	·436	·443	·445	·443	·455	·434	·441
·434	·437	·456	·434	·435	·434	·410	·407	·445	·421	·406	·413	·434
·405	·417	·417	·436	·460	·454	·452	·438	·459	·470	·490	·485	·442
·471	·459	·447	·454	·463	·458	·451	·456	·459	·475	·468	·503	·468
·468	·473	·462	·456	·439	·425	·401	·415	·424	·423	·416	·421	·453
·418	—	—	—	—	—	—	—	—	—	—	—	·435
—	·433	·434	·437	·450	·434	·435	·403	·421	·419	·423	·443	
·466	·454	·421	·428	·426	·422	·423	·402	·416	·428	·439	·444	·454
·424	·413	·419	·411	·395	·395	·412	·407	·409	·404	·422	·419	·422
—	—	—	—	—	—	—	—	—	—	—	—	·479
—	—	—	—	—	—	—	—	—	—	—	—	
·484	·489	·490	·477	·467	·469	·482	·480	·482	·488	·491	·505	·458
·455	—	—	—	—	—	—	—	—	—	—	—	
—	·463	·447	·430	·413	·411	·411	·415	·421	·425	·441	·446	·441
·433	·429	·454	·425	·407	·405	·412	·452	·411	—	·414	·425	
·464	·475	·445	·446	·420	·434	·403	·434	·439	·418	·474	·481	·453
·436	·450	·469	·475	·444	·408	·440	·432	·446	·429	·448	·458	·460
·470	·471	·439	·427	·464	·466	·447	·435	·442	·464	·468	·453	·464
·442	·433	·460	·438	·431	·443	·426	·427	·423	·420	·452	·451	·446
·446	—	—	—	—	—	—	—	—	—	—	—	·444
—	·461	·456	·443	·441	·439	·456	·404	·389	·407	·460	·414	
·433	·435	·437	·432	·435	·437	·435	·434	·438	·469	·462	·450	·438
·433	·411	·379	·365	·403	·408	·388	·407	·428	·397	·440	·480	·428
·432	·452	·437	·422	·410	·409	·418	·433	·437	·445	·449	·446	·437
·438	·438	·433	·428	·427	·424	·420	·421	·427	·428	·441	·445	·439

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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	DECEMBER.	1	81	79	85	83	76	79	93	92	94	85	92	92	
		2	88	76	78	79	82	77	83	79	77	82	86	78	
		3	85	76	78	74	88	85	88	91	91	92	92	95	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	83	71	73	71	76	80	87	88	88	90	91	91	90
		6	93	95	91	90	90	88	91	92	92	93	94	94	91
		7	83	81	75	84	78	84	90	87	87	90	93	92	92
		8	81	78	77	80	80	80	85	90	90	91	91	88	89
		9	74	84	75	82	76	78	73	85	86	86	85	85	86
		10	71	70	71	71	72	76	77	77	82	84	85	86	86
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	78	73	78	79	81	80	77	84	83	83	84	86	80
		13	77	78	74	80	74	77	85	89	88	88	89	91	88
		14	75	78	71	67	75	78	79	84	85	85	86	87	88
		15	67	73	75	64	71	72	80	83	87	87	87	88	89
		16	83	71	74	73	76	74	75	81	81	87	87	87	89
		17	70	70	84	69	70	73	76	78	82	84	84	84	86
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	94	87	84	93	86	93	93	93	93	94	94	95	95
		20	84	79	74	74	76	81	86	90	90	90	91	92	91
		21	86	90	79	76	74	78	83	84	84	86	88	90	81
		22	67	66	65	72	60	64	76	80	85	85	87	87	89
		23	63	62	58	56	57	62	71	77	77	84	87	88	91
		24	75	78	76	75	74	84	80	85	85	87	90	90	91
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	82	71	82	83	85	80	85	85	85	89	91	90	91
		27	81	79	75	73	76	82	86	85	85	90	91	89	90
		28	84	84	79	80	77	78	80	85	89	89	89	88	87
		29	71	67	74	71	71	71	78	86	82	87	87	80	83
		30	76	78	77	77	71	77	85	80	83	81	81	83	88
		31	71	70	73	85	77	74	82	85	87	87	87	82	81
(1843) Jan. 1	—	—	—	—	—	—	—	—	—	—	—	—	—		
Hourly Means		79	76	76	76	76	78	82	85	87	88	88	88		
Tension of the Vapour.	DECEMBER.	1	In. .448	In. .446	In. .461	In. .448	In. .429	In. .437	In. .461	In. .453	In. .454	In. .399	In. .446	In. .449	
		2	.463	.443	.451	.435	.442	.437	.446	.393	.387	.416	.437	.392	
		3	.431	.467	.477	.446	.487	.468	.474	.471	.462	.471	.473	.467	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	.480	.449	.473	.451	.474	.477	.478	.465	.467	.470	.471	.471	.464
		6	.483	.501	.490	.495	.496	.486	.485	.476	.469	.474	.473	.473	.456
		7	.484	.462	.464	.484	.463	.474	.483	.457	.468	.474	.471	.471	.444
		8	.461	.477	.488	.482	.473	.466	.466	.467	.468	.462	.462	.445	.445
		9	.421	.472	.458	.473	.464	.463	.438	.459	.443	.430	.431	.431	.435
		10	.450	.459	.470	.463	.456	.467	.452	.447	.438	.438	.438	.433	.431
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	.457	.458	.473	.479	.485	.470	.428	.441	.431	.431	.431	.446	.397
		13	.434	.459	.464	.464	.424	.439	.465	.464	.449	.455	.464	.464	.451
		14	.449	.461	.450	.440	.437	.452	.453	.449	.442	.434	.439	.439	.436
		15	.424	.449	.460	.429	.453	.479	.470	.453	.465	.457	.460	.460	.457
		16	.465	.455	.460	.449	.457	.458	.444	.473	.446	.449	.449	.449	.456
		17	.439	.429	.472	.430	.435	.438	.446	.438	.419	.415	.408	.408	.409
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	.504	.501	.490	.505	.483	.500	.493	.496	.487	.473	.476	.476	.477
		20	.474	.474	.459	.469	.490	.485	.482	.486	.482	.475	.477	.477	.472
		21	.475	.487	.467	.456	.454	.465	.471	.459	.449	.451	.463	.463	.408
		22	.434	.435	.422	.467	.408	.430	.462	.460	.475	.474	.437	.437	.471
		23	.424	.429	.426	.419	.400	.431	.477	.464	.478	.491	.488	.488	.495
		24	.484	.502	.510	.507	.489	.540	.495	.493	.491	.495	.496	.496	.499
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	.504	.451	.509	.498	.489	.474	.484	.479	.486	.496	.479	.479	.485
		27	.508	.498	.498	.500	.497	.500	.512	.487	.508	.510	.491	.491	.492
		28	.496	.510	.501	.500	.489	.472	.482	.476	.486	.482	.472	.472	.463
		29	.474	.473	.489	.476	.469	.475	.483	.494	.458	.480	.435	.435	.451
		30	.481	.498	.495	.494	.466	.458	.501	.452	.462	.445	.458	.458	.486
		31	.444	.435	.442	.485	.467	.481	.482	.480	.475	.476	.450	.450	.440
(1843) Jan. 1	—	—	—	—	—	—	—	—	—	—	—	—	—		
Hourly Means		.463	.466	.471	.468	.462	.469	.471	.464	.461	.460	.458	.453		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
93	90	94	96	89	89	89	94	97	97	93	89	89
87	82	87	79	89	94	83	83	87	86	84	83	83
93	—	—	—	—	—	—	—	—	—	—	—	85
—	88	89	83	79	86	79	83	79	73	85	80	85
85	86	89	88	82	89	84	83	88	88	88	90	85
96	93	91	93	94	92	94	94	96	96	87	84	92
95	89	96	87	86	88	93	93	90	93	88	90	88
88	91	93	86	88	86	88	84	84	81	81	87	85
86	86	86	85	86	87	87	85	83	82	78	77	82
87	—	—	—	—	—	—	—	—	—	—	—	81
—	86	82	82	82	87	82	89	82	85	82	82	81
82	88	81	78	83	84	88	84	92	92	79	86	83
81	76	72	87	87	78	76	85	86	84	83	74	82
89	88	90	91	91	91	89	92	88	84	70	64	83
90	89	90	93	88	88	88	92	92	89	87	79	83
88	89	91	89	89	91	91	90	87	85	78	75	83
86	—	—	—	—	—	—	—	—	—	—	—	85
—	—	91	90	91	93	93	94	94	96	96	94	85
94	94	94	94	96	97	96	96	96	96	90	91	93
91	87	91	91	92	86	93	96	94	91	96	90	88
79	91	80	76	79	83	75	82	76	73	78	76	81
89	94	92	92	93	92	93	95	93	95	86	79	83
92	91	91	90	91	92	92	92	91	85	89	84	81
93	—	—	—	—	—	—	—	—	—	—	—	86
—	91	91	91	91	91	91	91	84	89	84	82	86
91	92	93	93	93	95	95	95	94	93	91	86	89
89	90	84	88	86	87	86	90	91	88	85	85	85
86	88	87	90	86	87	88	89	87	81	83	77	85
82	83	83	83	86	86	88	86	86	87	87	86	81
83	82	77	79	82	77	79	85	85	80	76	73	80
78	—	—	—	—	—	—	—	—	—	—	—	85
—	94	94	84	88	90	91	92	96	94	94	90	85
88	88	88	87	88	88	88	89	89	88	85	83	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·433	·422	·440	·425	·406	·401	·405	·416	·440	·442	·451	·451	·436
·434	·395	·417	·387	·442	·461	·394	·405	·442	·454	·468	·467	·430
·460	—	—	—	—	—	—	—	—	—	—	—	·446
—	·448	·445	·409	·391	·426	·390	·412	·403	·394	·468	·468	·446
·423	·437	·430	·430	·409	·448	·416	·419	·448	·451	·461	·482	·453
·486	·461	·445	·463	·464	·450	·457	·465	·465	·480	·468	·465	·473
·477	·439	·466	·418	·419	·417	·443	·450	·436	·459	·459	·463	·457
·437	·455	·464	·415	·433	·412	·419	·408	·416	·408	·420	·463	·448
·434	·431	·428	·417	·424	·425	·427	·417	·417	·429	·435	·445	·438
·442	—	—	—	—	—	—	—	—	—	—	—	·441
—	·445	·416	·416	·416	·437	·406	·446	·413	·444	·448	·448	·441
·413	·442	·403	·385	·414	·415	·430	·413	·433	·450	·430	·458	·437
·408	·385	·355	·427	·418	·375	·368	·414	·423	·436	·449	·451	·431
·446	·437	·440	·449	·443	·438	·461	·454	·453	·453	·416	·412	·444
·457	·452	·455	·465	·447	·445	·446	·464	·464	·465	·468	·463	·456
·448	·451	·464	·445	·447	·455	·449	·448	·438	·439	·435	·419	·450
·398	—	—	—	—	—	—	—	—	—	—	—	·449
—	—	·463	·451	·452	·463	·466	·473	·467	·498	·496	·511	·449
·475	·473	·466	·464	·469	·469	·467	·467	·474	·480	·459	·463	·480
·465	·445	·465	·468	·467	·427	·465	·466	·469	·456	·490	·482	·470
·401	·465	·402	·384	·393	·412	·377	·413	·390	·390	·427	·433	·433
·466	·488	·478	·474	·475	·451	·474	·487	·484	·487	·475	·487	·463
·498	·496	·486	·471	·484	·489	·486	·494	·502	·491	·506	·510	·472
·503	—	—	—	—	—	—	—	—	—	—	—	·491
—	·486	·472	·475	·477	·480	·484	·482	·456	·491	·494	·493	·491
·484	·491	·497	·493	·495	·494	·494	·497	·501	·509	·506	·494	·491
·487	·489	·450	·470	·458	·460	·455	·471	·480	·467	·476	·483	·485
·456	·468	·460	·476	·454	·457	·461	·466	·466	·455	·483	·470	·475
·435	·442	·443	·438	·456	·455	·461	·459	·460	·471	·479	·485	·464
·446	·443	·409	·424	·435	·403	·424	·461	·467	·437	·428	·424	·455
·423	—	—	—	—	—	—	—	—	—	—	—	·479
—	·519	·506	·453	·473	·481	·486	·498	·512	·518	·533	·532	·479
·449	·454	·447	·440	·443	·442	·441	·451	·453	·458	·464	·468	·457





**ST. HELENA, 1842.**

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**METEOROLOGICAL JOURNAL.**

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain. In.
St. Helena.	Göttingen.											
JANUARY.												
D.	H.	D.	H.	°	°	Feet.						
1	03	1	04	60.3	68.5	2700+	0.9	Fair; clear; sun; cumuli				
1	09	1	10	59.5	61.6	2700+	1.0	Overcast - - - - -	68.7	60.2	99.0	56.8
SUNDAY.												
2	15	2	16	60.0	60.5	1700	1.0	Rain - - - - -	69.0	59.5	89.5	58.6
2	21	2	22	61.0	62.7	1600	1.0	Overcast; thick drizzling rain - - - - -				
3	03	3	04	61.8	63.4	1600	1.0	Overcast; rain - - - - -				
3	09	3	10	58.9	60.6	—	1.0	Overcast; dark - - - - -				
3	15	3	16	58.5	59.6	—	1.0	Overcast - - - - -	65.0	59.7	79.6	58.7
3	21	3	22	58.9	62.5	2700+	1.0	Overcast - - - - -				
4	03	4	04	60.8	63.6	—	1.0	Overcast; rain - - - - -				
4	09	4	10	57.4	61.0	—	1.0	Overcast; dark - - - - -				
4	15	4	16	57.5	60.3	2700+	1.0	Overcast; fair - - - - -	66.5	60.2	86.7	58.0
4	21	4	22	55.5	63.8	2700+	1.0	Fair; overcast - - - - -				0.25
5	03	5	04	57.5	69.0	—	0.2	Fair; sunshine; cumuli				
5	09	5	10	60.1	61.4	—	0.9	Overcast; a few stars visible		58.9		58.0
5	15	5	16	59.0	60.2	—	1.0	Overcast - - - - -				
5	21	5	22	61.3	61.6	2000	1.0	Overcast; showery - - - - -				
6	03	6	04	60.5	65.1	2400	1.0	Overcast; dull - - - - -				
6	09	6	10	59.5	60.5	—	1.0	Overcast; dark; rain - - - - -				
6	15	6	16	59.8	60.3	—	1.0	Overcast; dark; drizzling rain	67.8	58.1	92.0	
6	21	6	22	58.8	61.4	1600	1.0	Overcast; thick mist - - - - -				0.50
7	03	7	04	60.5	62.5	2600	1.0	Overcast - - - - -				
7	09	7	10	60.5	60.7	—	1.0	Overcast; rain - - - - -				
7	15	7	16	59.2	59.6	—	1.0	Overcast; rain - - - - -	65.5	58.0	74.6	58.0
7	21	7	22	59.0	60.5	1600	1.0	Overcast; wet mist - - - - -				0.50
8	03	8	04	60.1	64.5	2500	1.0	Overcast - - - - -				
8	09	8	10	59.5	61.0	—	0.9	Overcast; fair - - - - -	66.6	59.3	82.7	56.6
SUNDAY.												
9	15	9	16	60.0	60.5	—	1.0	Overcast; dark - - - - -	70.9	60.0	94.1	57.8
9	21	9	22	59.5	62.6	2700+	1.0	Overcast - - - - -				
10	03	10	04	62.4	68.0	2700+	0.9	Fair; cumulo-strati - - - - -				
10	09	10	10	60.5	62.0	—	1.0	Nearly overcast; a few stars visible				
10	15	10	16	59.0	61.0	—	1.0	Overcast; dark; rain - - - - -	70.4	60.1	92.9	57.3
10	21	10	22	58.3	63.6	2700+	1.0	Fair; overcast - - - - -				0.25
11	03	11	04	61.4	68.7	2500	0.4	Fair; cumuli - - - - -				
11	09	11	10	58.8	61.5	2700+	0.6	Stars dim - - - - -				
11	15	11	16	56.5	60.4	—	1.0	Overcast; dark - - - - -	71.5	60.0	103.1	58.3
11	21	11	22	56.8	64.8	2700+	0.6	Fair; hazy; cumuli; sun				
12	03	12	04	62.0	70.2	2700+	0.6	Clear; sun; cumuli - - - - -				
12	09	12	10	60.0	62.0	—	1.0	Overcast; very dark - - - - -	71.4	59.2	101.5	57.5
12	15	12	16	57.6	61.6	—	1.0	Overcast - - - - -				
12	21	12	22	60.2	62.9	1900	1.0	Overcast; light rain - - - - -				
13	03	13	04	60.2	65.0	2000	1.0	Overcast - - - - -				
13	09	13	10	58.6	62.4	—	1.0	Overcast; dark - - - - -	72.3	60.9	100.6	57.6
13	15	13	16	62.0	61.8	—	1.0	Overcast - - - - -				
13	21	13	22	59.8	64.7	2700+	1.0	Overcast - - - - -				
14	03	14	04	61.3	69.9	2500	0.9	Overcast; fair - - - - -				
14	09	14	10	61.5	62.7	—	1.0	Overcast; dark; a few stars visible	71.0	60.6		58.9
14	15	14	16	61.0	61.1	1600	1.0	Thick; rain - - - - -				
14	21	14	22	61.4	62.6	1600	1.0	Overcast; thick - - - - -				
15	03	15	04	60.4	68.4	2600	0.7	Cloudy; cumulo-strati				
15	09	15	10	60.0	62.6	1700	1.0	Overcast; rain; dark - - - - -		59.4		
SUNDAY.												
16	15	16	16	58.5	60.0	—	1.0	Overcast; drizzling rain	70.3	59.1	95.8	
16	21	16	22	61.5	62.7	2500	0.9	Fair; overcast - - - - -				0.25
17	03	17	04	60.2	69.0	2700+	0.6	Fair; sunshine; cumulo-strati				
17	09	17	10	61.5	63.7	1900	1.0	Overcast - - - - -				
17	15	17	16	61.2	61.8	1600	1.0	Overcast; misty; wet - - - - -	69.9	60.7	100.0	57.7
17	21	17	22	63.2	63.7	1600	1.0	Overcast; misty; wet - - - - -				0.75
18	03	18	04	64.5	66.0	1600	1.0	Overcast; rain; thick - - - - -				
18	09	18	10	62.2	62.7	1600	1.0	Overcast; misty; wet - - - - -				
18	15	18	16	61.5	62.0	1600	1.0	Overcast; thick; wet mist	68.1	61.5	88.1	60.6
18	21	18	22	62.5	63.6	1600	1.0	Continued wet mist - - - - -				

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
JANUARY.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
19	03	19	04	63.2	65.2	1600	1.0	Overcast; wet mist	-	-	-	-
19	09	19	10	62.5	62.4	1600	1.0	Rain and mist	-	-	-	0.75
19	15	19	16	61.0	61.5	1600	1.0	Drizzling rain	-	-	-	0.75
19	21	19	22	62.1	63.4	1600	1.0	Overcast; mist	-	-	-	-
20	03	20	04	—	63.2	2500	1.0	Overcast; clear	-	-	-	-
20	09	20	10	61.0	61.5	2000	0.9	Nearly overcast; moon and stars visible	-	-	-	0.75
20	15	20	16	60.0	61.0	—	1.0	Overcast; dark	-	-	-	-
20	21	20	22	59.6	63.3	2700+	1.0	Overcast; fair	-	-	-	-
21	03	21	04	62.8	68.3	2700	1.0	Fair; overcast	-	-	-	-
21	09	21	10	53.2	62.7	2700+	1.0	Fair; moon at intervals	-	-	-	-
21	15	21	16	58.5	62.2	—	1.0	Overcast	-	-	-	-
21	21	21	22	60.5	64.6	2700+	1.0	Overcast; fair	-	-	-	-
22	03	22	04	60.8	67.7	2700+	1.0	Clear; fair; calm	-	-	-	-
22	09	22	10	58.6	63.0	2700+	1.0	Fair; overcast	-	-	-	-
SUNDAY.												
23	15	23	16	60.5	62.2	—	1.0	Overcast; dark	-	-	-	-
23	21	23	22	59.8	65.5	2700+	1.0	Fair; overcast	-	-	-	-
24	03	24	04	63.0	72.0	2700+	0.8	Fair; sunshine	-	-	-	-
24	09	24	10	60.2	62.8	2700+	0.6	Fair; moon and stars	-	-	-	-
24	15	24	16	61.4	61.9	2700+	0.9	Fair; moon and stars	-	-	-	-
24	21	24	22	60.7	65.2	2700+	1.0	Overcast; fair	-	-	-	-
25	03	25	04	61.5	72.5	2700+	0.1	Clear; sun; cumuli	-	-	-	-
25	09	25	10	61.5	64.0	2700+	1.0	Overcast; moon at intervals	-	-	-	-
25	15	25	16	59.5	63.2	2700+	1.0	Overcast	-	-	-	-
25	21	25	22	63.1	65.3	2400	1.0	Overcast; fair	-	-	-	-
26	03	26	04	62.7	70.6	2700+	1.0	Overcast; fair	-	-	-	-
26	09	26	10	62.5	64.2	2600	1.0	Overcast	-	-	-	-
26	15	26	16	Rain.	63.6	1600	1.0	Drizzling rain	-	-	-	-
26	21	26	22	64.0	65.9	1800	1.0	Overcast; thick mist	-	-	-	-
27	03	27	04	63.8	68.7	1800	1.0	Overcast	-	-	-	-
27	09	27	10	Rain.	64.2	1600	1.0	Overcast; thick; wet mist	-	-	-	-
27	15	27	16	60.6	62.6	2700+	1.0	Overcast; fair	-	-	-	1.00
27	21	27	22	63.4	64.1	1600	1.0	Overcast	-	-	-	-
28	03	28	04	62.7	70.6	2500	1.0	Overcast	-	-	-	-
28	09	28	10	61.3	63.0	2700+	0.8	Fair; moon and stars	-	-	-	-
28	15	28	16	62.0	62.1	2000	0.9	Nearly overcast; a few stars visible	-	-	-	0.25
28	21	28	22	62.5	64.7	2400	0.9	Nearly overcast	-	-	-	-
29	03	29	04	61.8	70.4	2700+	0.8	Fair; sun; cumulo-strati	-	-	-	-
29	09	29	10	Rain.	63.9	2700+	0.9	Nearly overcast; a few stars	-	-	-	0.25
SUNDAY.												
30	15	30	16	58.0	63.4	2700+	0.8	Clear; moon	-	-	-	-
30	21	30	22	62.7	68.3	2700+	0.8	Fine; clear; sun; cumulo-strati	-	-	-	-
31	03	31	04	61.0	73.2	2700+	0.1	Clear; fine; sun	-	-	-	-
31	09	31	10	62.6	65.6	—	1.0	Overcast	-	-	-	-
31	15	31	16	62.4	64.0	2600	1.0	Nearly overcast; a few stars	-	-	-	-
31	21	31	22	63.5	64.6	1600	1.0	Overcast; thick; wet mist	-	-	-	-
FEBRUARY.												
1	03	1	04	63.9	70.1	2500	1.0	Overcast	-	-	-	-
1	09	1	10	64.7	65.3	—	1.0	Overcast; rain	-	-	-	0.50
1	15	1	16	63.8	64.6	1600	1.0	Overcast; rain; mist	-	-	-	-
1	21	1	22	64.7	67.4	2700+	1.0	Overcast	-	-	-	-
2	03	2	04	65.6	69.4	2000	1.0	Overcast; dull	-	-	-	-
2	09	2	10	Rain.	65.5	1600	1.0	Overcast; rain	-	-	-	1.50
2	15	2	16	Rain.	64.1	—	1.0	Overcast; dark	-	-	-	-
2	21	2	22	64.5	64.5	1600	1.0	Rain	-	-	-	-
3	03	3	04	65.5	67.4	1900	1.0	Overcast	-	-	-	-
3	09	3	10	—	64.2	—	1.0	Overcast; dark	-	-	-	-
3	15	3	16	62.8	63.0	—	1.0	Overcast; dark	-	-	-	-
3	21	3	22	65.0	63.8	1600	1.0	Overcast; rain	-	-	-	0.75
4	03	4	04	Rain.	63.6	1600	1.0	Overcast; rain	-	-	-	-
4	09	4	10	61.5	63.0	—	1.0	Overcast; dark	-	-	-	-
4	15	4	16	Rain.	62.0	—	1.0	Overcast; rain	-	-	-	1.75
4	21	4	22	62.9	64.0	1600	1.0	Overcast; mist	-	-	-	-

\* Instrument out of order.

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.													
FEBRUARY.														
D.	H.	D.	H.	°	°	Feet.						In.		
5	03	5	04	64.0	66.5	2700+	1.0	Overcast - - - - -	67.6	60.8	82.8	57.8	0.25	
5	09	5	10	62.0	63.1	—	0.9	Nearly overcast; a few stars visible						
SUNDAY.														
6	15	6	16	60.2	62.5	S. E. by S.	2700+	0.2	The stars shining brightly					
6	21	6	22	62.6	64.4	S. S. E.	1600	1.0	Thick; rain					
7	03	7	04	61.3	72.5	S. S. E.	2700+	0.8	Clear; fair; sun; cumulo-strati					
7	09	7	10	64.3	64.7	S. S. E.	—	1.0	Overcast; dark	73.1	61.7	104.0	57.5	—
7	15	7	16	62.0	63.4	S. S. E.	2700+	0.8	Cloudy; stars dim					
7	21	7	22	64.3	66.0	S. E. by E.	1900	1.0	Overcast					
8	03	8	04	64.0	68.5	S. E.	2400	1.0	Overcast					
8	09	8	10	62.0	64.0	S. E.	—	1.0	Overcast	72.9	61.7	96.9	56.2	0.25
8	15	8	16	62.4	63.5	S. E. by S.	—	1.0	Overcast					
8	21	8	22	Rain.	64.8	S. E.	1600	1.0	Overcast; rain					
9	03	9	04	64.6	65.7	S. E. by S.	2000	1.0	Overcast; showery					
9	09	9	10	63.0	64.0	S. E. by S.	—	1.0	Overcast; dark	67.8	62.2	82.7	58.6	0.75
9	15	9	16	62.5	63.2	S. S. E.	—	1.0	Overcast; dark					
9	21	9	22	63.6	65.2	S. E. by S.	2400	1.0	Overcast; fair					
10	03	10	04	64.0	67.8	S. E.	2400	0.9	Nearly overcast					
10	09	10	10	63.9	64.8	S. E. by S.	1600	1.0	Overcast; mist; wet	69.9	62.4	89.4	58.3	0.50
10	15	10	16	62.5	63.2	S. E. by S.	—	1.0	Overcast; dark					
10	21	10	22	Rain.	65.3	S. E.	1600	1.0	Rain					
11	03	11	04	66.5	69.4	S. S. E.	1700	1.0	Overcast; showery					
11	09	11	10	Rain.	64.8	S. E. by S.	—	1.0	Overcast; rain	70.7	61.9	92.8	59.3	1.25
11	15	11	16	Rain.	64.5	S. E.	—	1.0	Overcast; rain					
11	21	11	22	63.5	64.4	S. E.	1900	1.0	Overcast					
12	03	12	04	65.0	67.0	S. E. by E.	1800	1.0	Overcast	68.6	61.7	85.5	59.1	—
12	09	12	10	64.0	64.5	S. E. by E.	—	1.0	Overcast					
SUNDAY.														
13	15	13	16	Rain.	62.8	S. E.	—	1.0	Rain		61.6	—	—	0.25
13	21	13	22	Rain.	63.8	S. E. by E.	1600	1.0	Overcast; rain					
14	03	14	04	64.6	68.2	S. E. by S.	2100	1.0	Overcast					
14	09	14	10	62.0	63.8	S. E. by S.	—	1.0	Overcast; dark	70.1	61.6	89.2	57.9	0.50
14	15	14	16	61.5	63.5	S. E. by S.	—	1.0	Overcast; wind in gusts					
14	21	14	22	63.0	64.0	S. E.	2600	1.0	Overcast					
15	03	15	04	64.4	65.7	S. E. by S.	1600	1.0	Thick mist					
15	09	15	10	Rain.	63.7	S. E.	1600	1.0	Mist; rain	67.9	62.6	83.8	57.8	1.50
15	15	15	16	Rain.	64.1	S. E. by E.	1600	1.0	Rain					
15	21	15	22	64.4	65.1	S. E. by E.	1600	1.0	Thick; mist					
16	03	16	04	64.6	65.0	S. E.	1600	1.0	Thick; mist					
16	09	16	10	Rain.	64.4	S. E.	1600	1.0	Thick mist and rain	66.0	63.3	75.2	60.4	1.50
16	15	16	16	Rain.	64.1	S. E.	1600	1.0	Overcast; rain					
16	21	16	22	63.6	64.0	S. E.	1800	1.0	Overcast; wet					
17	03	17	04	65.5	65.6	S. E. by S.	2600	1.0	Overcast					
17	09	17	10	63.0	63.7	S. E. by S.	2400	1.0	Overcast	67.2	62.5	78.3	60.5	0.75
17	15	17	16	63.5	63.5	S. S. E.	—	1.0	Overcast; dark					
17	21	17	22	63.8	64.4	S. E. by S.	1600	1.0	Overcast; mist					
18	03	18	04	65.2	67.6	S. S. E.	2500	1.0	Overcast					
18	09	18	10	62.7	63.5	S. S. E.	2100	1.0	Overcast	68.4	62.2	88.5	60.0	0.25
18	15	18	16	60.5	62.6	S. S. E.	—	1.0	Overcast					
18	21	18	22	62.4	65.4	S. S. E.	2700+	1.0	Fair; overcast					
19	03	19	04	63.0	69.9	S. E. by S.	2700+	0.9	Clear; fair; sunshine					
19	09	19	10	59.5	63.7	S. S. E.	2700+	1.0	Fair; moon	70.6	62.6	95.3	57.8	—
SUNDAY.														
20	15	20	16	58.5	62.2	S. by E.	—	1.0	Overcast; a few stars visible		61.7	—	—	—
20	21	20	22	60.0	64.4	S. E. by S.	2700+	1.0	Overcast; dull					
21	03	21	04	62.0	70.8	S. E. by S.	2200+	0.8	Fair; sun; cumulo-strati					
21	09	21	10	62.5	64.2	S. E. by S.	2700+	1.0	Moon at intervals	71.8	63.1	101.8	57.1	—
21	15	21	16	59.0	63.6	S. S. E.	—	0.9	Nearly overcast; a few dim stars					
21	21	21	22	60.8	67.2	S. S. E.	2700+	1.0	Fair; overcast					
22	03	22	04	61.2	69.8	S. E. by S.	2700+	0.9	Fair; nearly overcast					
22	09	22	10	63.5	65.2	S. S. E.	2700+	1.0	Overcast	70.4	62.4	89.3	59.3	—
22	15	22	16	62.7	63.7	S. E.	2600	1.0	Overcast					
22	21	22	22	63.0	66.0	S. E. by E.	2600	1.0	Overcast					

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds. Feet.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terri. Rad.	Rain. In.
St. Helena.	Göttingen.											
FEBRUARY.												
D.	H.	D.	H.									
23	03	23	04	64.8	70.8	S. E. by S.	2700+	0.8	Fair; cumulo-strati	-	-	-
23	09	23	10	62.3	65.0	S. E.	2700+	1.0	Overcast	-	-	-
23	15	23	16	62.8	63.7	S. E. by S.	1900	1.0	Overcast	-	-	-
23	21	23	22	64.5	65.6	S. E.	1900	1.0	Overcast	-	-	-
24	03	24	04	62.5	70.6	S. E. by E.	2000	0.9	Fair; sun at intervals	-	-	-
24	09	24	10	62.5	64.5	S. E.	2700	0.6	Fair; moon and stars visible	-	-	-
24	15	24	16	63.0	63.4	S. E. by S.	2700+	0.7	Fair; moon	-	-	-
24	21	24	22	65.0	66.7	S. E.	2000	0.9	Fair; sun	-	-	-
25	03	25	04	64.6	71.6	S. E. by E.	2700+	0.7	Fair; sun; cumulo-strati	-	-	-
25	09	25	10	63.0	65.2	S. E.	2700+	0.9	Fair; a few stars; cumuli	-	-	-
25	15	25	16	62.5	63.8	S. E.	1900	1.0	Overcast; fair	-	-	-
25	21	25	22	63.6	65.9	S. E. by S.	2600	0.9	Nearly overcast	-	-	-
26	03	26	04	63.8	70.2	S. E.	2600	0.8	Sun; cumuli	-	-	-
26	09	26	10	63.5	64.5	S. S. E.	2700	0.9	Nearly overcast	-	-	-
SUNDAY.												
27	15	27	16	60.8	62.1	S. S. E.	2700+	0.6	Clear; moon and stars visible	-	-	-
27	21	27	22	62.5	66.8	S. E. by S.	2700+	0.7	Clear; fair; sun; cumulo-strati	-	-	-
28	03	28	04	60.5	69.4	S. E. by S.	2700+	0.2	Clear; fair; cumuli	-	-	-
28	09	28	10	60.6	63.4	S. S. E.	2700+	0.1	Clear; stars bright	-	-	-
28	15	28	16	60.5	61.7	— <sup>a</sup>	2700+	0.1	Clear; fine; moon and stars	-	-	-
28	21	28	22	64.0	67.4	—	2700+	0.2	Clear; fair; sun; cumuli	-	-	-
MARCH.												
1	03	1	04	66.5	75.0	—	2700+	0.7	Fair; cumuli	-	-	-
1	09	1	10	64.7	66.0	—	—	1.0	Overcast; dark	-	-	-
1	15	1	16	63.0	65.1	—	2700+	1.0	Fair; overcast	-	-	-
1	21	1	22	Rain.	67.8	—	2200	1.0	Overcast; rain	-	-	-
2	03	2	04	67.0	71.7	—	2000	0.9	Fair; sun at intervals; cumuli	-	-	-
2	09	2	10	65.9	66.2	—	1600	1.0	Overcast; dark	-	-	-
2	15	2	16	65.0	65.3	—	1800	1.0	Overcast; mist	-	-	-
2	21	2	22	66.5	69.1	—	2700+	0.9	Fair; sun; cumuli	-	-	-
3	03	3	04	67.7	77.6	—	2700+	0.2	Clear; fine; sun; cumuli	-	-	-
3	09	3	10	67.2	67.2	—	—	0.4	Stars bright	-	-	-
3	15	3	16	65.0	66.4	—	—	0.9	Cloudy; moon	-	-	-
3	21	3	22	67.7	69.3	—	1800	1.0	Overcast	-	-	-
4	03	4	04	68.5	74.5	—	2700+	0.8	Clear; fine; sun	-	-	-
4	09	4	10	Rain.	67.4	—	—	1.0	Overcast; rain	-	-	-
4	15	4	16	65.5	66.0	—	—	1.0	Overcast; dark	-	-	-
4	21	4	22	Rain.	66.1	—	1600	1.0	Drizzling rain	-	-	-
5	03	5	04	65.4	69.2	—	2600	0.9	Fair; sun	-	-	-
5	09	5	10	64.0	64.7	—	—	1.0	Overcast; dark	-	-	-
SUNDAY.												
6	15	6	16	64.5	65.3	—	—	1.0	Overcast	-	-	-
6	21	6	22	62.5	66.8	—	2700+	1.0	Overcast	-	-	-
7	03	7	04	67.2	69.6	—	1900	1.0	Overcast	-	-	-
7	09	7	10	65.0	66.2	—	—	1.0	Overcast; dark	-	-	-
7	15	7	16	64.8	65.4	—	—	1.0	Overcast; dark; drizzling rain	-	-	-
7	21	7	22	63.4	65.8	—	2700	0.9	Fair; sun	-	-	-
8	03	8	04	67.1	72.8	—	2700+	0.5	Clear; fair; sun	-	-	-
8	09	8	10	66.0	66.4	—	—	1.0	Overcast; dark	-	-	-
8	15	8	16	Rain.	65.5	—	—	1.0	Overcast; rain	-	-	-
8	21	8	22	66.0	66.4	—	1600	1.0	Mist	-	-	-
9	03	9	04	67.5	68.4	—	1600	1.0	Overcast	-	-	-
9	09	9	10	Rain.	65.8	—	—	1.0	Overcast; rain	-	-	-
9	15	9	16	Rain.	64.2	—	—	1.0	Rain; very dark	-	-	-
9	21	9	22	65.2	67.1	—	2200	1.0	Overcast	-	-	-
10	03	10	04	67.5	70.3	—	2400	0.9	Cloudy	-	-	-
10	09	10	10	64.3	65.2	—	—	1.0	Overcast; dark	-	-	-
10	15	10	16	64.1	64.6	—	—	1.0	Overcast	-	-	-
10	21	10	22	61.0	67.3	—	2700+	0.9	Nearly overcast	-	-	-
11	03	11	04	66.5	70.5	—	2700+	0.7	Fair; sun	-	-	-
11	09	11	10	62.4	64.4	—	2700+	0.4	Fair; stars visible	-	-	-
11	15	11	16	63.0	64.0	—	—	1.0	Overcast; very dark	-	-	-
11	21	11	22	61.4	65.5	—	2700+	1.0	Overcast; dull	-	-	-

<sup>a</sup> The wire communicating with the vane out of order.

Mean Solar Time (Astronom. Reck.)				Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.	D.	H.											
MARCH.														
12	03	12	04	63.5	69.8	— <sup>a</sup>	2700+	1.0	Fair; overcast - - - - -	○	○	○	○	In.
12	09	12	10	62.0	64.4	—	—	0.8	Cloudy; a few stars - - - - -	71.1	62.4	100.0	58.8	—
SUNDAY.														
13	15	13	16	58.5	63.7	—	—	1.0	Overcast - - - - -	—	63.2	—	—	—
13	21	13	22	60.6	66.5	—	2700+	1.0	Overcast - - - - -	—	—	—	—	—
14	03	14	04	64.0	69.5	—	2700+	0.9	Fair; sun; cumuli - - - - -	—	—	—	—	—
14	09	14	10	61.8	65.2	—	—	1.0	Overcast - - - - -	—	—	—	—	—
14	15	14	16	58.0	64.0	—	—	1.0	Overcast; dark - - - - -	72.0	61.7	101.3	57.8	0.25
14	21	14	22	63.0	65.1	—	2400	0.9	Nearly overcast; fair - - - - -	—	—	—	—	—
15	03	15	04	—	70.7	—	2700+	0.2	Clear; fair; sun; cumuli - - - - -	—	—	—	—	—
15	09	15	10	64.0	65.3	—	—	1.0	Overcast; dark - - - - -	71.5	64.1	102.3	59.1	—
15	15	15	16	63.0	64.0	—	—	1.0	Overcast; dark - - - - -	—	—	—	—	—
15	21	15	22	65.5	68.0	—	2700	0.9	Fair; cumulo-strati - - - - -	—	—	—	—	—
16	03	16	04	64.5	70.9	—	2700+	0.6	Fair; sun; cumuli - - - - -	—	—	—	—	—
16	09	16	10	63.5	65.5	—	—	0.6	Fair; stars visible - - - - -	73.1	62.5	111.3	61.8	—
16	15	16	16	61.5	63.7	—	—	0.9	Nearly overcast; a few stars visible - - - - -	—	—	—	—	—
16	21	16	22	62.5	65.6	—	2400	0.9	Nearly overcast; dull - - - - -	—	—	—	—	—
17	03	17	04	62.6	71.8	—	2700+	0.7	Clear; sun; cumulo-strati - - - - -	—	—	—	—	—
17	09	17	10	62.4	64.4	—	2700	0.1	Clear; fine; moon and stars - - - - -	73.0	61.8	99.8	57.8	0.25
17	15	17	16	62.6	63.6	—	—	1.0	Overcast - - - - -	—	—	—	—	—
17	21	17	22	62.8	65.4	—	2700+	0.9	Fair; sun; cumuli - - - - -	—	—	—	—	—
18	03	18	04	64.5	70.9	—	2700+	0.4	Clear; fine; sun; cumuli - - - - -	—	—	—	—	—
18	09	18	10	61.0	63.8	—	—	0.9	Cloudy; a few stars visible - - - - -	71.8	61.8	102.1	58.5	—
18	15	18	16	63.0	63.8	S. E.	—	1.0	Overcast - - - - -	—	—	—	—	—
18	21	18	22	65.0	66.0	S. E.	2400	1.0	Overcast; dull - - - - -	—	—	—	—	—
19	03	19	04	64.5	68.8	S. E. by S.	2700	0.9	Nearly overcast; cumulo-strati - - - - -	72.1	62.8	97.2	56.5	—
19	09	19	10	65.0	65.2	S. E. by S.	—	1.0	Overcast; dark - - - - -	—	—	—	—	—
SUNDAY.														
20	15	20	16	64.8	65.4	—	—	1.0	Overcast - - - - -	—	65.2	—	—	0.25
20	21	20	22	65.5	66.0	—	2200	1.0	Overcast; dull - - - - -	—	—	—	—	—
21	03	21	04	65.9	68.6	S. E.	2400	0.9	Fair; sun at intervals - - - - -	—	—	—	—	—
21	09	21	10	63.5	64.8	S. E. by E.	2400	0.9	Fair; moon and stars - - - - -	71.8	62.7	94.8	62.4	—
21	15	21	16	Rain.	64.6	S. E.	—	1.0	Overcast; showery - - - - -	—	—	—	—	—
21	21	21	22	64.2	65.6	S. E.	2600	1.0	Overcast - - - - -	—	—	—	—	—
22	03	22	04	64.9	68.6	S. E. by S.	2600	0.9	Nearly overcast - - - - -	—	—	—	—	—
22	09	22	10	62.6	64.4	S. E.	2700+	0.9	Fair; moon and stars visible - - - - -	69.9	62.4	91.3	60.8	0.25
22	15	22	16	61.5	63.0	S. E. by S.	2700+	0.4	Clear; stars bright - - - - -	—	—	—	—	—
22	21	22	22	63.3	68.3	S. E.	2700+	0.9	Clear; cumuli - - - - -	—	—	—	—	—
23	03	23	04	66.9	70.5	S. E.	2000	0.9	Fair; sun; cumuli - - - - -	—	—	—	—	—
23	09	23	10	65.4	65.5	S. E. by S.	1700	1.0	Overcast - - - - -	72.4	63.0	97.2	57.1	—
23	15	23	16	64.4	64.5	S. E. by S.	1600	1.0	Overcast; rain - - - - -	—	—	—	—	—
23	21	23	22	Rain.	65.4	S. E. by S.	1600	1.0	Rain - - - - -	—	—	—	—	—
24	03	24	04	65.0	67.6	S. E.	2400	1.0	Overcast - - - - -	69.8	63.6	91.5	60.8	—
24	09	24	10	Rain.	65.0	S. E.	1600	1.0	Overcast; rain - - - - -	—	—	—	—	—
GOOD FRIDAY.														
25	15	25	16	63.3	64.6	S. E. by S.	2500	0.9	Fair; moon and stars visible - - - - -	70.9	64.1	92.8	61.8	1.25
25	21	25	22	65.1	67.0	S. E. by E.	2700	0.9	Nearly overcast; fair - - - - -	—	—	—	—	—
26	03	26	04	66.9	71.4	S. S. E.	2700+	1.0	Overcast; fair - - - - -	—	64.1	—	—	—
26	09	26	10	63.3	64.6	S. E. by S.	2700	0.9	Fair; moon and stars visible - - - - -	—	—	—	—	—
SUNDAY.														
27	15	27	16	61.9	64.4	S. E. by S.	2700+	1.0	Overcast; fair - - - - -	72.8	63.6	99.5	61.6	—
27	21	27	22	62.0	66.1	S. E. by E.	2700+	1.0	Overcast; fair - - - - -	—	—	—	—	—
28	03	28	04	63.4	70.9	S. E. by S.	2700+	1.0	Overcast; fair - - - - -	—	—	—	—	—
28	09	28	10	61.0	64.6	S. E.	2700+	0.1	Moon; stars very bright - - - - -	72.8	63.9	100.8	60.1	—
28	15	28	16	63.0	64.6	S. E. by E.	2700+	0.9	Nearly overcast - - - - -	—	—	—	—	—
28	21	28	22	63.5	68.3	S. E. by S.	2700+	0.6	Fair; sun - - - - -	—	—	—	—	—
29	03	29	04	64.3	72.3	S. E. by E.	2700+	0.7	Clear; fair; sun; cumuli - - - - -	—	—	—	—	—
29	09	29	10	Rain.	66.2	S. E.	—	1.0	Overcast; rain - - - - -	73.9	64.2	104.8	56.8	—
29	15	29	16	64.4	64.8	S. E.	1700	1.0	Overcast - - - - -	—	—	—	—	—
29	21	29	22	66.0	68.5	S. E. by S.	2000	0.9	Nearly overcast - - - - -	—	—	—	—	—
30	03	30	04	65.2	71.6	S. E.	1900	0.9	Fine; sunshine; cumuli - - - - -	—	—	—	—	—
30	09	30	10	65.5	65.8	S. E.	—	1.0	Overcast; dark - - - - -	72.6	63.7	97.8	60.8	0.25
30	15	30	16	63.8	64.9	S. E.	1800	1.0	Overcast - - - - -	—	—	—	—	—
30	21	30	22	65.0	67.1	S. E.	2700	0.9	Fair - - - - -	—	—	—	—	—

<sup>a</sup> The wire communicating with the vane out of order.

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
MARCH.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
31	03	31	04	65.8	70.2	2600	0.9	Fair; sun; cumuli	-	-	-	-
31	09	31	10	63.5	65.0	—	0.7	Fair; stars visible	-	-	-	-
31	15	31	16	62.0	63.9	2700+	0.7	Fair; moon and stars visible	-	-	-	-
31	21	31	22	64.0	67.2	2400	0.9	Fair; sun at intervals	-	-	-	-
APRIL.												
1	03	1	04	65.3	71.6	2700+	0.7	Fine; sun; cumuli	-	-	-	-
1	09	1	10	64.0	65.9	—	1.0	Fair; a few stars visible	-	-	-	-
1	15	1	16	Rain.	63.7	1600	1.0	Overcast; mist; rain	-	-	-	-
1	21	1	22	63.7	65.3	1800	1.0	Overcast; thick	-	-	-	-
2	03	2	04	65.6	68.0	2200	1.0	Overcast; rain	-	-	-	-
2	09	2	10	62.5	65.0	—	0.7	Cloudy; a few stars	-	-	-	0.75
SUNDAY.												
3	15	3	16	Rain.	64.6	—	—	Overcast; rain	-	-	-	-
3	21	3	22	65.2	66.1	1900	1.0	Overcast	-	-	-	-
4	03	4	04	63.5	66.7	2700+	1.0	Overcast	-	-	-	-
4	09	4	10	63.1	64.6	—	1.0	Overcast; a few stars visible	-	-	-	-
4	15	4	16	62.5	63.2	—	1.0	Overcast; dark	-	-	-	-
4	21	4	22	63.5	64.5	2200	1.0	Overcast	-	-	-	-
5	03	5	04	66.4	68.0	2500	0.9	Cloudy; cumulo-strati	-	-	-	-
5	09	5	10	63.6	64.8	—	1.0	Overcast; dark	-	-	-	-
5	15	5	16	62.6	63.6	—	0.7	Starlight	-	-	-	-
5	21	5	22	64.9	67.7	2000	0.9	Fair; cumuli	-	-	-	-
6	03	6	04	65.7	69.4	2600	0.8	Fair; sun at intervals; cumuli	-	-	-	-
6	09	6	10	63.2	64.7	—	1.0	Overcast; dark	-	-	-	-
6	15	6	16	63.0	64.8	—	1.0	Overcast	-	-	-	-
6	21	6	22	65.0	66.9	2600	1.0	Overcast	-	-	-	-
7	03	7	04	65.6	69.6	2700	0.8	Fair; sun; cumuli	-	-	-	-
7	09	7	10	62.8	64.4	2700+	0.6	Clear; stars bright	-	-	-	-
7	15	7	16	63.0	64.0	—	1.0	Overcast; dark	-	-	-	-
7	21	7	22	64.2	65.7	2000	1.0	Fair; overcast	-	-	-	-
8	03	8	04	63.2	67.1	2400	1.0	Overcast	-	-	-	-
8	09	8	10	63.0	63.8	—	1.0	Overcast; dark	-	-	-	-
8	15	8	16	61.1	64.4	—	0.9	Fair; a few stars	-	-	-	-
8	21	8	22	59.4	65.6	2700+	1.0	Overcast	-	-	-	-
9	03	9	04	62.7	65.8	2700+	1.0	Overcast; haze	-	-	-	-
9	09	9	10	62.5	63.6	—	0.9	Fair; a few stars visible	-	-	-	-
SUNDAY.												
10	15	10	16	64.0	64.9	—	1.0	Overcast	-	-	-	-
10	21	10	22	Rain.	64.4	1600	1.0	Rain; mist	-	-	-	-
11	03	11	04	Rain.	65.7	1600	1.0	Thick; mist and rain	-	-	-	-
11	09	11	10	Rain.	65.0	—	1.0	Drizzling rain	-	-	-	-
11	15	11	16	62.2	64.2	—	1.0	Overcast; wind in gusts	-	-	-	-
11	21	11	22	65.3	66.0	1700	1.0	Overcast	-	-	-	-
12	03	12	04	64.6	69.0	2700	0.9	Nearly overcast	-	-	-	-
12	09	12	10	63.4	64.5	—	1.0	Overcast	-	-	-	-
12	15	12	16	61.5	63.5	—	1.0	Overcast; dark	-	-	-	-
12	21	12	22	62.0	66.4	2700+	0.9	Fair; sunshine	-	-	-	-
13	03	13	04	64.0	69.0	2700+	0.9	Nearly overcast	-	-	-	-
13	09	13	10	62.0	64.8	—	1.0	Overcast	-	-	-	-
13	15	13	16	Rain.	63.5	—	1.0	Overcast; rain	-	-	-	-
13	21	13	22	63.0	65.1	1600	1.0	Thick; mist	-	-	-	-
14	03	14	04	65.5	66.4	1700	1.0	Overcast; mist	-	-	-	-
14	09	14	10	Rain.	64.7	1600	1.0	Rain; mist	-	-	-	-
14	15	14	16	Rain.	64.6	—	1.0	Overcast; dark; showery	-	-	-	-
14	21	14	22	Rain.	65.5	1600	1.0	Overcast; rain; thick mist	-	-	-	-
15	03	15	04	Rain.	67.1	1600	1.0	Thick mist; showery	-	-	-	-
15	09	15	10	Rain.	65.2	1600	1.0	Mist and rain	-	-	-	-
15	15	15	16	Rain.	64.5	1600	1.0	Overcast; thick; rain	-	-	-	-
15	21	15	22	Rain.	65.3	1600	1.0	Wet mist	-	-	-	-
16	03	16	04	66.5	68.4	1800	0.9	Nearly overcast; sun at intervals	-	-	-	-
16	09	16	10	Rain.	65.0	1600	1.0	Overcast; rain	-	-	-	-
SUNDAY.												
17	15	17	16	62.0	63.1	—	0.8	Fair; a few stars visible	-	-	-	-
17	21	17	22	61.0	65.1	2700+	0.1	Clear; sunshine	-	-	-	-

\*Rain gauge undergoing repair.



Mean Solar Time (Astronom. Reck <sup>s</sup> .)				Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain. In.
St. Helena.	Göttingen.	D.	H.											
APRIL.														
18	03	18	04	62.4	68.2	S. by E.	2700+	0.5	Clear; sunshine - - - -	°	°	°	°	In.
18	09	18	10	60.9	63.2	S. by E.	2700+	0.7	Fair; moon and stars - - - -	69.8	62.6	102.4	— <sup>a</sup>	—
18	15	18	16	Rain.	63.2	S. S. E.	—	1.0	Overcast; drizzling rain - - - -					
18	21	18	22	62.8	64.2	S. E. by S.	2000	1.0	Overcast - - - - -					
19	03	19	04	63.5	69.3	E. S. E.	2700	0.9	Nearly overcast; fair - - - -	70.4	61.5	96.1	—	—
19	09	19	10	61.5	63.4	S. E. by E.	2700+	0.8	Fair; moon and stars - - - -					
19	15	19	16	Rain.	63.3	S. E. by E.	—	0.7	Overcast; rain - - - - -					
19	21	19	22	61.2	65.7	S. E.	2700+	0.6	Fair; sun; cumulo-stratus - - - -	70.4	59.8	100.6	—	—
20	03	20	04	59.5	69.0	S. E. by S.	2700+	0.2	Fair; sun; cumuli - - - - -					
20	09	20	10	61.0	63.2	S. E. by S.	2700+	0.8	Cloudy; moon and stars - - - -					
20	15	20	16	61.5	63.0	S. E. by S.	—	1.0	Overcast - - - - -	70.4	59.8	100.6	—	—
20	21	20	22	58.1	65.2	S. E. by S.	2700+	0.9	Cloudy - - - - -					
21	03	21	04	61.5	70.4	N. E. by E.	2700+	0.9	Clear; fair - - - - -					
21	09	21	10	61.2	64.0	E. by S.	2700+	1.0	Overcast - - - - -	73.0	60.6	93.6	—	—
21	15	21	16	61.3	63.0	E. by S.	2700+	0.8	Fair; a few stars visible - - - -					
21	21	21	22	62.8	65.8	S. S. E.	2700+	0.8	Fair; calm; cumulo-strati - - - -					
22	03	22	04	63.5	69.2	S. E. by S.	2700+	0.9	Nearly overcast - - - - -	70.2	62.8	96.0	—	—
22	09	22	10	61.5	64.0	S. E.	2700+	0.9	Fair; moon - - - - -					
22	15	22	16	57.5	63.2	S. E.	—	1.0	Overcast; fair - - - - -					
22	21	22	22	60.5	66.6	S. E. by S.	2700+	0.9	Nearly overcast - - - - -	70.0	60.4	99.8	—	0.25
23	03	23	04	63.5	68.5	S. S. E.	2700+	0.4	Clear; sun; cumulo-stratus - - - -					
23	09	23	10	62.5	63.7	S. E.	2700+	0.9	Fair; moon and stars - - - - -					
SUNDAY.														
24	15	24	16	60.6	62.7	E. S. E.	2700+	0.9	Nearly overcast - - - - -	72.0	60.8	95.7	—	—
24	21	24	22	65.4	65.4	E. S. E.	2100	1.0	Overcast - - - - -					
25	03	25	04	63.0	68.6	S. E. by S.	2700+	0.8	Clear; cumuli - - - - -					
25	09	25	10	61.6	64.0	S. E. by S.	2700+	0.9	Nearly overcast - - - - -	69.8	62.3	97.3	—	—
25	15	25	16	62.3	63.1	S. by E.	2600	0.9	Cloudy; moon and stars - - - -					
25	21	25	22	63.0	65.0	S. E.	1800	1.0	Overcast; thick mist - - - - -					
26	03	26	04	Rain.	66.1	S. E. by S.	1800	1.0	Overcast; sharp shower of rain - - - -	69.7	60.8	96.4	—	0.25
26	09	26	10	62.5	63.0	S. E. by E.	2600	1.0	Overcast - - - - -					
26	15	26	16	61.6	62.6	S. E. by E.	2600	0.9	Nearly overcast; moon - - - - -					
26	21	26	22	60.5	64.2	S. E.	2700+	0.8	Fair; cumulo-strati - - - - -	70.0	61.9	98.4	—	—
27	03	27	04	60.0	68.4	S. E. by S.	2700+	0.1	Clear; cumuli - - - - -					
27	09	27	10	62.0	63.5	S. S. E.	2700+	0.9	Fair; a few stars visible - - - -					
27	15	27	16	60.5	62.8	S. E.	2700+	0.2	Fair; moon and stars very bright - - - -	69.6	60.7	91.1	—	—
27	21	27	22	61.4	65.4	S. E. by S.	2600	1.0	Overcast; cumuli - - - - -					
28	03	28	04	63.1	67.7	S. E. by S.	2700+	0.8	Fair; sun; cumuli - - - - -					
28	09	28	10	—	63.7	S. E. by S.	—	1.0	Fair; a few stars visible; wind in gusts - - - -	68.6	59.5	91.5	—	0.50
28	15	28	16	60.5	62.6	S. E. by S.	2700+	0.8	Moon and stars - - - - -					
28	21	28	22	63.1	64.8	S. E. by S.	2600	1.0	Overcast - - - - -					
29	03	29	04	63.5	67.4	S. E. by E.	2700+	1.0	Overcast - - - - -	70.1	62.5	96.8	58.7	0.50
29	09	29	10	Rain.	62.6	S. E.	—	1.0	Overcast; rain - - - - -					
29	15	29	16	58.0	61.4	S. E. by E.	2700+	1.0	Overcast - - - - -					
29	21	29	22	58.5	62.5	S. E. by S.	2700+	1.0	Overcast; fair - - - - -	69.9	60.7	96.0	59.7	—
30	03	30	04	60.7	66.0	S. E.	2700+	0.8	Fair; sunshine - - - - -					
30	09	30	10	60.0	63.5	S. E.	—	1.0	Overcast; rain - - - - -					
MAY.														
SUNDAY.														
1	15	1	16	56.0	62.8	S. E. by E.	2700+	1.0	Overcast - - - - -	69.9	60.7	96.0	59.7	—
1	21	1	22	55.5	65.6	S. E. by E.	2700+	1.0	Overcast; fair - - - - -					
2	03	2	04	59.8	69.0	S. E.	2700+	0.8	Fair; sun; cumulo-strati - - - -					
2	09	2	10	61.0	63.0	S. E.	—	0.9	Fair; a few stars visible - - - -	69.7	61.8	99.1	58.4	0.25
2	15	2	16	60.5	62.9	S. E.	2700+	0.9	Nearly overcast; moon and stars visible - - - -					
2	21	2	22	62.1	64.5	S. E. by S.	2700+	1.0	Overcast - - - - -					
3	03	3	04	62.5	68.8	S. E. by S.	2700+	0.2	Clear; fair; sun; cumuli - - - -	69.7	61.8	99.1	58.4	0.25
3	09	3	10	61.5	63.4	S. E. by S.	—	1.0	Fair; a few stars visible - - - -					
3	15	3	16	61.5	62.2	S. E. by E.	—	1.0	Overcast - - - - -					
3	21	3	22	61.0	65.5	S. E.	2700+	1.0	Overcast; fair - - - - -	70.4	63.3	99.8	58.8	0.50
4	03	4	04	65.0	68.1	S. E. by S.	1900	1.0	Overcast; drizzling rain - - - -					
4	09	4	10	Rain.	64.2	S. E.	1600	1.0	Thick; rain - - - - -					
4	15	4	16	Rain.	63.7	S. E. by S.	—	1.0	Overcast; rain - - - - -	70.4	63.3	99.8	58.8	0.50
4	21	4	22	Rain.	66.0	S. E. by S.	1600	1.0	Overcast; rain - - - - -					

\* Not recorded.

Mean Solar Time. (Astronom. Recks.		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
MAY.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
5	03	5	04	67.4	68.1	1800	1.0	70.1	64.0	82.0	63.3	2.25
5	09	5	10	64.5	65.1	—	1.0					
5	15	5	16	64.0	64.7	—	0.9					
5	21	5	22	66.2	67.0	1600	0.9					
6	03	6	04	67.7	71.1	1800	0.9					
6	09	6	10	64.3	65.0	1600	0.9	73.5	62.1	99.6	63.9	0.50
6	15	6	16	63.7	64.2	2000	0.9					
6	21	6	22	66.1	66.9	2700+	0.3					
7	03	7	04	66.5	67.6	1700	1.0					
7	09	7	10	64.3	64.9	—	1.0	70.1	62.6	—	58.4	—
SUNDAY.												
8	15	8	16	61.5	62.5	2700+	0.2	72.4	62.1	—	—	—
8	21	8	22	64.5	66.0	2000	0.9					
9	03	9	04	65.0	67.9	2100	0.9					
9	09	9	10	62.0	63.2	2700+	0.4	70.0	61.4	95.8	—	—
9	15	9	16	60.7	62.0	2700+	0.2					
9	21	9	22	64.1	65.6	2600	0.8					
10	03	10	04	61.5	68.0	2700+	0.8					
10	09	10	10	61.5	62.8	—	0.7	70.0	61.6	96.8	—	—
10	15	10	16	60.6	61.6	2700+	0.2					
10	21	10	22	62.5	65.3	2700	0.9					
11	03	11	04	61.9	67.0	2700	0.8					
11	09	11	10	61.7	63.2	—	0.4	69.4	62.1	95.8	—	—
11	15	11	16	61.0	62.6	—	1.0					
11	21	11	22	63.9	65.4	2700+	0.7					
12	03	12	04	62.2	65.1	2100	1.0					
12	09	12	10	61.0	62.7	—	0.4	68.3	62.1	92.3	—	0.25
12	15	12	16	61.0	62.3	2700+	0.9					
12	21	12	22	61.8	64.3	2200	1.0					
13	03	13	04	61.0	66.7	2700+	0.7					
13	09	13	10	59.5	62.6	—	0.6	69.0	61.8	93.4	—	—
13	15	13	16	60.4	62.0	—	1.0					
13	21	13	22	59.4	64.4	2700+	0.2					
14	03	14	04	64.4	67.0	2600	0.8					
14	09	14	10	61.2	62.5	2700+	0.8	69.1	61.4	93.0	—	—
SUNDAY.												
15	15	15	16	60.9	61.7	—	1.0	68.7	61.5	94.5	—	—
15	21	15	22	57.8	64.5	2700+	1.0					
16	03	16	04	59.0	66.8	2700+	0.7					
16	09	16	10	61.2	62.1	2600	1.0	69.5	61.1	94.9	—	—
16	15	16	16	58.0	61.8	—	1.0					
16	21	16	22	61.1	62.9	2700+	1.0					
17	03	17	04	60.3	66.4	2700+	0.8					
17	09	17	10	61.5	62.7	—	1.0					
17	15	17	16	59.5	62.1	—	1.0	67.6	60.7	89.8	—	0.50
17	21	17	22	62.5	64.2	2700	1.0					
18	03	18	04	62.8	65.0	2500	1.0					
18	09	18	10	60.0	62.4	2600	1.0					
18	15	18	16	57.7	60.4	2700+	0.1	66.2	60.1	83.5	—	0.25
18	21	18	22	60.0	62.7	2700+	0.9					
19	03	19	04	61.6	66.2	2700+	1.0					
19	09	19	10	56.3	62.0	—	1.0					
19	15	19	16	55.3	61.6	—	0.2	67.6	61.5	93.5	—	—
19	21	19	22	53.5	64.2	—	1.0					
20	03	20	04	59.0	65.6	—	0.9					
20	09	20	10	58.8	62.1	—	0.9					
20	15	20	16	59.5	61.5	—	1.0	68.2	61.0	90.3	—	—
20	21	20	22	57.6	64.5	—	1.0					
21	03	21	04	57.0	67.4	—	0.9					
21	09	21	10	60.7	61.9	—	0.3	68.4	59.9	94.0	—	—
SUNDAY.												
22	15	22	16	58.4	61.2	—	0.9	68.1	59.8	89.0	—	—
22	21	22	22	54.5	63.6	—	0.3					

Mean Solar Time (Astronom. Reck <sup>s</sup> .)				Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds. Feet.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain In.
St. Helena.	Göttingen.	D.	H.											
MAY.														
23	03	23	04	59.0	65.0	S. E. by S.	2700+	0.1	Fair; sun; cumuli	o	o	o	o	—
23	09	23	10	59.2	62.2	S. E. by S.	2700+	0.9	Cloudy; moon	67.4	61.8	99.3	—	—
23	15	23	16	59.2	61.8	S. S. E.	2700+	1.0	Overcast	—	—	—	—	—
23	21	23	22	59.3	64.9	S. E. by S.	2700+	0.9	Fair; sun; cumulo-strati	—	—	—	—	—
24	03	24	04	63.5	65.0	S. E. by S.	1700	1.0	Rain	—	—	—	—	—
24	09	24	10	61.7	62.4	S. E. by E.	2600	1.0	Overcast	69.1	60.8	96.8	—	—
24	15	24	16	60.5	61.9	S. E. by S.	2200	1.0	Overcast	—	—	—	—	—
24	21	24	22	61.3	64.5	S. E. by S.	2700+	0.7	Fair; sun; cirro-cumuli	—	—	—	—	—
25	03	25	04	60.5	66.4	S. E.	2700+	0.9	Nearly overcast; fair	—	—	—	—	—
25	09	25	10	60.1	62.5	S. E.	2700+	0.9	Nearly overcast	68.6	62.0	94.1	—	0.25
25	15	25	16	60.0	61.7	S. E.	2700+	1.0	Cloudy; moon at intervals	—	—	—	—	—
25	21	25	22	59.2	63.2	S. E. by E.	2700+	0.9	Nearly overcast; cumulo strati	—	—	—	—	—
26	03	26	04	57.2	65.4	S. E.	2700+	0.9	Cloudy; fair	—	—	—	—	—
26	09	26	10	Rain.	61.5	S. E.	1800	1.0	Overcast; thick; rain	66.5	59.5	88.3	—	—
26	15	26	16	Rain.	60.0	S. E.	1600	1.0	Misty; rain	—	—	—	—	—
26	21	26	22	59.4	61.5	S. E.	2600	0.9	Nearly overcast; fair	—	—	—	—	—
27	03	27	04	59.5	65.6	S. E.	2700+	0.8	Fair; clear; sun	—	—	—	—	—
27	09	27	10	58.0	61.5	S. E.	2700+	0.9	Fair; moon and stars	66.5	59.5	88.6	—	—
27	15	27	16	59.5	61.7	S. E.	2700+	1.0	Cloudy; moon	—	—	—	—	—
27	21	27	22	60.5	62.0	S. E. by S.	2700	1.0	Overcast	—	—	—	—	—
28	03	28	04	59.7	66.0	S. E. by E.	2700+	0.1	Clear; sun	—	—	—	—	—
28	09	28	10	59.0	59.7	S. E.	—	1.0	Overcast; dark; showery	67.4	59.0	89.3	—	0.25
SUNDAY.														
29	15	29	16	59.0	60.5	S. E.	2700	1.0	Overcast	63.5	59.2	77.8	—	—
29	21	29	22	58.7	63.2	S. E.	2700+	0.9	Nearly overcast; fair	—	—	—	—	—
30	03	30	04	57.5	65.9	S. E. by E.	2700+	0.9	Clear; fair; sun	—	—	—	—	—
30	09	30	10	51.5	60.2	S. E.	—	1.0	Overcast; dark	67.0	57.6	87.9	—	—
30	15	30	16	55.5	60.8	S. E.	2700+	1.0	Overcast; fair	—	—	—	—	—
30	21	30	22	55.8	61.5	S. E.	2700+	0.9	Fair; cirro-cumuli	—	—	—	—	—
31	03	31	04	60.0	64.3	S. E. by S.	2400	0.9	Fair; sun at intervals	—	—	—	—	—
31	09	31	10	57.5	59.4	S. E.	—	1.0	Overcast; dark	66.0	57.5	92.3	—	0.50
31	15	31	16	55.7	58.0	S. by E.	2700+	1.0	Cloudy; a few stars	—	—	—	—	—
31	21	31	22	57.7	61.2	S. E.	2700+	0.9	Fair; cirro-cumuli	—	—	—	—	—
JUNE.														
1	03	1	04	59.8	62.9	S. E.	2400	0.9	Fair; sun	66.1	58.9	94.4	—	0.25
1	09	1	10	58.0	59.7	S. E. by S.	—	1.0	Overcast; dark; a few stars	—	—	—	—	—
1	15	1	16	Rain.	59.7	S. E. by S.	—	1.0	Overcast; rain	—	—	—	—	—
1	21	1	22	54.5	61.3	S. E.	2700+	1.0	Cloudy; dull	—	—	—	—	—
2	03	2	04	55.5	64.3	S. E.	2700+	0.6	Fair; sun; cumuli	—	—	—	—	—
2	09	2	10	58.0	61.0	S. E.	—	1.0	Wind in gusts; overcast	65.4	58.9	88.4	—	—
2	15	2	16	58.1	60.9	S. E. by E.	2700+	1.0	Overcast	—	—	—	—	—
2	21	2	22	59.2	60.4	S. E. by E.	2400	1.0	Wind in gusts; overcast	—	—	—	—	—
3	03	3	04	58.7	61.0	S. E.	2700+	1.0	Overcast	—	—	—	—	—
3	09	3	10	57.5	59.5	S. E. by E.	—	1.0	Wind in gusts; overcast; dark	66.1	58.0	—	—	0.50
3	15	3	16	55.0	57.9	S. E. by E.	—	0.4	Fair; moon and stars	—	—	—	—	—
3	21	3	22	59.0	60.3	S. E. by E.	2600	1.0	Fair; cumuli	—	—	—	—	—
4	03	4	04	59.0	60.6	S. E.	2700+	1.0	Overcast; fair	63.2	57.0	83.0	—	0.25
4	09	4	10	56.5	57.7	S. E. by E.	—	0.6	Fair; stars	—	—	—	—	—
SUNDAY.														
5	15	5	16	55.5	58.0	S. S. E.	—	1.0	Overcast; dark	63.8	57.5	84.2	—	—
5	21	5	22	56.5	59.9	S. S. E.	2700+	0.9	Cloudy; sun at intervals	—	—	—	—	—
6	03	6	04	58.5	62.2	S. by E.	2700	0.7	Clear; fair; sun; cumuli	—	—	—	—	—
6	09	6	10	55.7	58.5	S. S. E.	—	0.6	Fair; starlight	64.6	57.2	92.0	—	—
6	15	6	16	56.8	59.0	S. E. by S.	2700+	1.0	Overcast	—	—	—	—	—
6	21	6	22	58.0	59.3	S. E. by S.	2600	1.0	Overcast	—	—	—	—	—
7	03	7	04	55.5	60.4	S. E. by S.	2700+	0.9	Fair; sun	—	—	—	—	—
7	09	7	10	53.4	56.9	S. E.	—	1.0	Wind in gusts; overcast; dark; showery	60.0	54.7	77.4	—	0.50
7	15	7	16	53.7	56.1	S. E. by E.	—	1.0	Overcast; dark	—	—	—	—	—
7	21	7	22	53.4	58.8	S. E. by E.	2700	1.0	Cloudy	—	—	—	—	—
8	03	8	04	55.2	58.3	S. E.	2700	0.8	Fair; sun	—	—	—	—	—
8	09	8	10	56.5	57.5	S. E.	—	1.0	Overcast; dark	61.6	56.1	82.5	—	0.25
8	15	8	16	56.0	57.2	S. E.	—	1.0	Overcast	—	—	—	—	—
8	21	8	22	57.5	58.0	S. E.	2100	1.0	Overcast; showery	—	—	—	—	—

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
JUNE.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
9	03	9	04	56.7	61.2	2600	0.9 Fair; sun at intervals - - - - -					
9	09	9	10	Rain.	58.2	—	1.0 Overcast; rain - - - - -	62.0	57.1	81.8	—	0.75
9	15	9	16	54.5	57.6	—	1.0 Overcast; dark - - - - -					
9	21	9	22	58.0	59.4	2400	1.0 Cloudy; dull - - - - -	62.7	56.1	76.4	—	0.25
10	03	10	04	57.1	61.8	2700	1.0 Cloudy; sun at intervals - - - - -					
10	09	10	10	56.8	57.8	—	1.0 Overcast; dark - - - - -	62.7	56.1	76.4	—	0.25
10	15	10	16	56.0	58.6	—	1.0 Overcast; rain - - - - -					
10	21	10	22	56.3	57.7	1900	1.0 Overcast - - - - -	63.1	57.0	83.7	—	0.75
11	03	11	04	55.5	61.2	2700+	1.0 Overcast; fair - - - - -					
11	09	11	10	Rain.	58.0	—	1.0 Overcast; showery - - - - -	62.7	56.0	—	—	—
SUNDAY.												
12	15	12	16	—	58.2	—	1.0 Overcast; dark - - - - -	62.7	56.0	—	—	—
12	21	12	22	56.0	59.6	2600	0.8 Fair; sun; cumulo-strati - - - - -					
13	03	13	04	57.5	62.2	2700+	0.8 Fair; sun; cumuli - - - - -	64.0	—	91.3	—	0.25
13	09	13	10	57.0	57.6	2100	1.0 Overcast - - - - -					
13	15	13	16	Rain.	56.6	—	1.0 Overcast; rain - - - - -	62.0	57.2	79.4	—	1.00
13	21	13	22	Rain.	57.5	1600	1.0 Rain; mist - - - - -					
14	03	14	04	57.9	61.4	2700+	0.7 Fair; sun; cumuli - - - - -	62.0	57.2	79.4	—	1.00
14	09	14	10	56.3	57.7	2700+	0.8 Cloudy; moon and stars - - - - -					
14	15	14	16	57.5	57.6	—	1.0 Fair; a few stars - - - - -	65.0	57.4	89.8	—	—
14	21	14	22	58.5	59.8	2600	0.9 Fair; sun; cumulo-strati - - - - -					
15	03	15	04	58.9	62.4	2700+	0.9 Fair; calm; cumulo-strati - - - - -	65.0	57.4	89.8	—	—
15	09	15	10	57.5	58.5	2700+	1.0 Cloudy; moon and stars at intervals - - - - -					
15	15	15	16	57.0	58.1	—	1.0 Overcast - - - - -	69.0	58.2	89.6	51.7	—
15	21	15	22	60.3	61.6	1900	0.9 Cloudy; sun at intervals - - - - -					
16	03	16	04	62.0	65.9	2400	0.9 Nearly overcast - - - - -	69.0	58.2	89.6	51.7	—
16	09	16	10	59.5	60.6	2700+	0.9 Cloudy; moon and stars at intervals - - - - -					
16	15	16	16	58.5	59.4	—	0.9 Cloudy; stars - - - - -	67.6	56.4	90.1	55.0	—
16	21	16	22	59.8	61.4	2600	0.2 Clear; sun; cumuli - - - - -					
17	03	17	04	61.7	65.5	2100	0.9 Fair; cumulo-strati - - - - -	67.6	56.4	90.1	55.0	—
17	09	17	10	55.0	58.2	2700+	0.2 Fair; calm; stars - - - - -					
17	15	17	16	55.5	57.0	2700+	0.1 Bright starlight - - - - -	69.6	57.6	97.0	50.0	—
17	21	17	22	59.5	62.0	2700+	0.1 Clear; fine; sun - - - - -					
18	03	18	04	62.0	68.6	2700+	0.3 Clear; fair; sun; cirro-cumuli - - - - -	69.6	57.6	97.0	50.0	—
18	09	18	10	58.9	60.9	2700+	0.1 Fair; stars bright - - - - -					
SUNDAY.												
19	15	19	16	60.5	60.3	—	1.0 Overcast - - - - -	67.6	59.7	97.6	50.6	—
19	21	19	22	60.7	62.0	2200	1.0 Cloudy; cumuli - - - - -					
20	03	20	04	60.5	65.0	2700+	0.9 Cloudy; cumulo-strati - - - - -	66.4	59.5	90.4	57.4	—
20	09	20	10	59.7	60.2	2700+	0.7 Fair; moon and stars - - - - -					
20	15	20	16	58.4	60.4	—	1.0 Overcast - - - - -	66.8	59.7	92.5	54.0	—
20	21	20	22	58.6	62.7	2700+	0.6 Fair; sun; cumuli - - - - -					
21	03	21	04	60.6	64.2	2400	0.8 Fair; cumuli - - - - -	66.8	59.7	92.5	54.0	—
21	09	21	10	58.0	60.3	2400	0.9 Nearly overcast - - - - -					
21	15	21	16	58.0	59.4	2400	1.0 Overcast; cumuli - - - - -	65.0	59.0	82.5	54.4	—
21	21	21	22	58.9	60.6	2400	0.9 Nearly overcast; thick - - - - -					
22	03	22	04	56.8	63.7	2700+	0.9 Fair; cumulo-strati - - - - -	65.0	59.0	82.5	54.4	—
22	09	22	10	59.0	60.0	2100	1.0 Cloudy; moon at intervals - - - - -					
22	15	22	16	56.5	59.3	2700+	1.0 Cloudy; faint moonlight - - - - -	63.9	58.1	82.7	54.6	—
22	21	22	22	57.0	59.7	2700	1.0 Overcast; fair - - - - -					
23	03	23	04	55.5	62.8	2700+	1.0 Overcast; fair - - - - -	63.9	58.1	82.7	54.6	—
23	09	23	10	54.2	59.0	2700+	1.0 Overcast; fair - - - - -					
23	15	23	16	53.6	58.5	2700+	1.0 Overcast; fair - - - - -	65.0	56.0	88.4	55.7	—
23	21	23	22	56.3	59.6	2700+	1.0 Overcast; fair - - - - -					
24	03	24	04	57.4	62.1	2700+	1.0 Overcast; fair - - - - -	65.0	56.0	88.4	55.7	—
24	09	24	10	56.0	58.1	2700+	1.0 Cloudy; stars - - - - -					
24	15	24	16	53.4	57.2	2700+	1.0 Overcast - - - - -	63.8	56.0	91.5	50.3	0.25
24	21	24	22	53.8	59.8	2700+	0.7 Fair; sun; cumuli - - - - -					
25	03	25	04	54.5	62.9	2700+	0.8 Fair; sun; cumuli - - - - -	63.8	56.0	91.5	50.3	0.25
25	09	25	10	55.0	57.2	2700+	0.2 Moon and stars visible - - - - -					
SUNDAY.												
26	15	26	16	Rain.	57.8	1700	1.0 Overcast; rain - - - - -	64.6	56.5	86.3	47.9	—
26	21	26	22	57.3	59.6	2700+	0.7 Fair; sun; cumuli - - - - -					

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena, Göttingen.				Direction.	Feet.							In.
JUNE.												
d.	h.	d.	h.	°	°			°	°	°	°	In.
27	03	27	04	58.0	62.0	S. E.	2500	1.0	Fair; cumuli	-	-	-
27	09	27	10	55.0	57.3	S.E. by S.	—	1.0	Nearly overcast; a few dim stars	-	-	-
27	15	27	16	56.0	56.7	S. E.	1600	1.0	Overcast -	-	-	-
27	21	27	22	57.5	57.7	S. S. E.	2400	1.0	Overcast -	-	-	-
28	03	28	04	Rain.	58.7	S. S. E.	2000	1.0	Overcast; rain	-	-	-
28	09	28	10	Rain.	57.0	E. S. E.	—	1.0	Overcast; rain	-	-	-
28	15	28	16	54.9	55.6	S. E.	2700+	1.0	Overcast -	-	-	-
28	21	28	22	56.2	57.5	S. E.	1900	1.0	Overcast -	-	-	-
29	03	29	04	57.6	61.0	S. E.	2700+	1.0	Nearly overcast	-	-	-
29	09	29	10	56.3	57.9	S. E.	—	1.0	Overcast; dark	-	-	-
29	15	29	16	56.6	57.4	S.E. by E.	—	1.0	Overcast -	-	-	-
29	21	29	22	53.0	60.1	S.E. by E.	2700+	1.0	Cloudy	-	-	-
30	03	30	04	57.5	61.2	S.E. by E.	2700+	0.9	Fair; sun; cumuli	-	-	-
30	09	30	10	57.5	59.3	S.E. by E.	—	1.0	Fair; starlight	-	-	-
30	15	30	16	56.6	57.3	S.E. by E.	—	1.0	Overcast -	-	-	-
30	21	30	22	Rain.	59.5	S. E.	1600	1.0	Thick; drizzling rain	-	-	-
JULY.												
1	03	1	04	57.5	58.2	S. E.	1700	1.0	Thick; drizzling rain	-	-	-
1	09	1	10	Rain.	57.0	S.E. by S.	1600	1.0	Overcast; rain	-	-	-
1	15	1	16	53.7	57.3	S. E.	2600	1.0	Overcast -	-	-	-
1	21	1	22	54.6	58.6	S. E.	2700+	1.0	Overcast; gusts of wind	-	-	-
2	03	2	04	59.0	61.6	S.E. by E.	2700+	0.8	Fair; sun	-	-	-
2	09	2	10	58.0	58.9	S. E.	—	1.0	Overcast; dark	-	-	-
SUNDAY.												
3	15	3	16	54.1	56.4	S.E. by E.	—	0.9	Nearly overcast	-	-	-
3	21	3	22	55.5	57.2	S. E.	2700+	0.8	Cloudy; sun at intervals	-	-	-
4	03	4	04	Rain.	58.7	S. E.	1800	1.0	Overcast; rain	-	-	-
4	09	4	10	55.8	56.5	E. S. E.	—	1.0	Overcast; showery	-	-	-
4	15	4	16	Rain.	56.2	S. E.	—	1.0	Overcast; rain	-	-	-
4	21	4	22	57.0	58.0	S.E. by E.	1800	0.9	Cloudy; sun	-	-	-
5	03	5	04	57.4	58.3	S.E. by E.	2400	0.9	Nearly overcast; fair	-	-	-
5	09	5	10	56.8	57.1	S.E. by E.	—	1.0	Overcast; dark	-	-	-
5	15	5	16	Rain.	56.5	S.E. by S.	—	1.0	Overcast; rain	-	-	-
5	21	5	22	57.5	58.9	S. E.	2600	0.9	Nearly overcast	-	-	-
6	03	6	04	57.2	62.2	S. S. E.	2700+	0.6	Fair; sun; cumuli	-	-	-
6	09	6	10	54.0	56.2	S. S. E.	2700+	0.1	Bright starlight	-	-	-
6	15	6	16	54.6	56.7	S. S. E.	—	0.5	Calm; stars visible	-	-	-
6	21	6	22	Rain.	57.7	S.E. by S.	2700+	1.0	Overcast; rain	-	-	-
7	03	7	04	59.2	62.7	S. E.	2700+	0.6	Fair; sun; cirro-cumuli	-	-	-
7	09	7	10	54.7	56.7	S. S. E.	2700+	0.4	Fair; starlight	-	-	-
7	15	7	16	56.5	57.4	S. S. E.	—	0.9	Nearly overcast	-	-	-
7	21	7	22	51.8	59.0	S. S. E.	2700+	0.4	Fair; sun; cumuli	-	-	-
8	03	8	04	54.0	61.5	S.E. by S.	2700+	0.8	Fair; sun; cumuli	-	-	-
8	09	8	10	55.3	57.3	S. S. E.	2700+	0.3	Fair; starlight	-	-	-
8	15	8	16	55.0	56.5	S.E. by S.	—	0.9	Fair; a few stars visible	-	-	-
8	21	8	22	55.5	59.4	S.E. by E.	2700+	0.7	Fair; sun; cumuli	-	-	-
9	03	9	04	54.4	61.2	S.E. by E.	2700+	0.5	Clear; fair; sun; cumuli	-	-	-
9	09	9	10	55.5	57.9	S. E.	—	1.0	Cloudy; a few stars visible	-	-	-
SUNDAY.												
10	15	10	16	Rain.	56.5	S.E. by S.	—	1.0	Overcast; rain	-	-	-
10	21	10	22	54.0	58.3	S.E. by E.	2700+	1.0	Cloudy; dull	-	-	-
11	03	11	04	54.4	60.2	S. E.	2700+	0.9	Fair; cumuli	-	-	-
11	09	11	10	53.0	56.0	S.E. by S.	—	0.8	Cloudy; a few dim stars	-	-	-
11	15	11	16	54.5	55.3	S.E. by E.	—	0.9	Overcast; rain	-	-	-
11	21	11	22	55.5	57.2	S.E. by S.	2400	1.0	Overcast -	-	-	-
12	03	12	04	55.8	60.5	S.E. by E.	2700+	0.8	Fair; sun at intervals; cumulo-strati	-	-	-
12	09	12	10	54.8	56.2	S.E. by S.	—	1.0	Overcast; drizzling rain	-	-	-
12	15	12	16	54.2	54.6	S.E. by S.	1600	1.0	Wet mist	-	-	-
12	21	12	22	53.8	55.3	S. E.	2000	1.0	Overcast; thick	-	-	-
13	03	13	04	55.4	58.4	S.E. by S.	2700+	1.0	Overcast; fair	-	-	-
13	09	13	10	51.5	54.9	S. E.	2700+	1.0	Nearly overcast; a few stars visible	-	-	-
13	15	13	16	52.0	55.5	S.E. by E.	—	1.0	Overcast; wind in gusts	-	-	-
13	21	13	22	49.7	56.8	S. E.	2700+	1.0	Wind in gusts; overcast; haze	-	-	-

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
JULY.												
D.	H.	D.	H.	°	°	Feet.						In.
14	03	14	04	53.9	59.5	2700+	1.0	Overcast; haze				
14	09	14	10	56.4	57.0	2700+	1.0	Cloudy; a few stars visible	60.7	55.9	72.8	49.3
14	15	14	16	51.9	57.6	2700+	1.0	Wind in gusts; overcast				
14	21	14	22	57.5	58.5	2200	0.9	Overcast				
15	03	15	04	57.3	59.5	1800	1.0	Overcast				
15	09	15	10	Rain.	55.4	—	1.0	Overcast; rain	61.3	53.9	81.6	52.5
15	15	15	16	54.7	55.2	—	1.0	Overcast; showery				0.50
15	21	15	22	55.9	57.2	2600	1.0	Fair; sun; cumuli				
16	03	16	04	56.4	58.9	2700+	0.5	Overcast				
16	09	16	10	Rain.	55.4	1600	0.2	Rain	60.0	53.1	81.0	52.2
SUNDAY.												
17	15	17	16	Rain.	55.5	1600	1.0	Overcast; rain	60.0	55.0	74.8	51.9
17	21	17	22	Rain.	57.3	1600	1.0	Rain; thick mist				0.75
18	03	18	04	58.8	61.5	2000	0.6	Fair; cumulo-strati				
18	09	18	10	55.8	56.6	2200	0.9	Overcast; moon visible at intervals				
18	15	18	16	55.8	56.8	—	0.6	Nearly overcast; a few stars visible	62.1	55.1	80.8	53.1
18	21	18	22	57.9	58.4	2200	0.4	Nearly overcast; fair				
19	03	19	04	58.6	60.4	2700	0.9	Fair; sun; cumuli				
19	09	19	10	54.4	55.1	2700+	0.0	Fair; moon and stars				
19	15	19	16	51.1	53.4	2700+	0.6	Fair; moon and stars; calm	62.0	50.8	88.3	50.5
19	21	19	22	55.9	57.2	2600	0.9	Fair; cumulo-strati				
20	03	20	04	56.5	58.7	1600	1.0	Rain; mist				
20	09	20	10	55.7	56.5	2400	1.0	Overcast				
20	15	20	16	54.7	55.6	2700+	1.0	Overcast	62.5	54.2	—	42.4
20	21	20	22	50.5	56.3	2700+	1.0	Overcast; dull				0.50
21	03	21	04	49.0	58.4	2700+	0.2	Clear; fair; sun; cirro-cumuli				
21	09	21	10	50.5	55.6	2700+	1.0	Overcast				
21	15	21	16	52.5	54.7	2700	1.0	Overcast; rain	60.0	53.0	79.6	49.4
21	21	21	22	52.6	57.0	2700+	1.0	Overcast; dull				
22	03	22	04	51.7	58.8	2700+	1.0	Overcast				
22	09	22	10	49.5	55.5	2700+	1.0	Overcast				
22	15	22	16	52.1	53.0	2700+	1.0	Overcast; moon visible	60.6	51.5	86.0	47.9
22	21	22	22	51.5	55.9	2700+	0.9	Fair				0.25
23	03	23	04	Rain.	55.4	1800	1.0	Rain; mist				
23	09	23	10	Rain.	54.5	1600	1.0	Rain; mist	60.6	53.2	84.0	48.4
SUNDAY.												
24	15	24	16	54.5	54.6	2700+	1.0	Overcast; fair	61.4	53.5	81.8	50.4
24	21	24	22	52.7	56.8	2700+	1.0	Overcast; dull				
25	03	25	04	55.8	61.1	2700+	0.5	Fair; sun; cumuli				
25	09	25	10	52.7	54.3	2700+	0.2	Moon and stars visible				
25	15	25	16	54.0	55.4	2700+	1.0	Overcast	62.1	52.5	87.3	46.7
25	21	25	22	54.0	56.7	2700+	1.0	Overcast; fair				
26	03	26	04	—	60.0	2700+	0.6	Fair; sun; cumuli				
26	09	26	10	52.0	55.5	2700+	0.9	Fair; a few stars visible				
26	15	26	16	52.8	55.7	2700+	0.6	Fair; moon and stars visible; cumuli	62.5	55.3	93.8	43.4
26	21	26	22	53.0	59.0	2700+	0.4	Fair; sun				
27	03	27	04	57.5	61.7	2700+	0.9	Fair; sun; cumuli				
27	09	27	10	55.1	57.3	—	0.8	Fair; a few stars visible				
27	15	27	16	55.8	57.3	2600	1.0	Overcast; moon visible at intervals	63.3	55.9	88.3	48.4
27	21	27	22	56.9	58.9	2600	0.9	Fair; sun at intervals				
28	03	28	04	58.2	62.2	2700+	0.7	Fair; sun; cumuli				
28	09	28	10	56.5	57.6	—	1.0	Wind in gusts; overcast				
28	15	28	16	55.5	57.4	2700+	0.9	Moon and stars visible	62.8	56.1	87.4	50.9
28	21	28	22	57.9	58.4	1800	1.0	Overcast				
29	03	29	04	58.3	60.9	2400	1.0	Overcast				
29	09	29	10	58.4	58.4	—	1.0	Overcast; dark				
29	15	29	16	55.5	57.4	—	1.0	Overcast	62.8	55.9	83.7	52.7
29	21	29	22	54.6	57.6	2700+	1.0	Overcast; gloomy				
30	03	30	04	54.0	60.1	2700+	0.9	Fair; sun at intervals				
30	09	30	10	Rain.	55.2	—	1.0	Overcast; rain	61.1	54.6	77.8	53.9
SUNDAY.												
31	15	31	16	51.0	56.7	—	1.0	Overcast; dark	63.5	55.7	91.0	49.5
31	21	31	22	56.7	57.7	2600	1.0	Overcast; dull				

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
AUGUST.												
D.	H.	D.	H.		Feet.			°	°	°	°	In.
1	03	1	04	S. E. by E.	2600	1.0	Overcast - - - - -					
1	09	1	10	S. E.	—	1.0	Overcast; dark - - - - -	61.4	55.9	77.8	53.6	0.25
1	15	1	16	S. E.	—	1.0	Overcast; dark - - - - -					
1	21	1	22	S. E.	2600	1.0	Overcast - - - - -					
2	03	2	04	S. E. by S.	2700	0.9	Fair; sun at intervals - - - - -					
2	09	2	10	S. E.	—	0.7	Fair; stars - - - - -	62.2	55.8	85.8	52.7	—
2	15	2	16	S. E. by S.	2700+	1.0	Overcast; dark - - - - -					
2	21	2	22	S. E. by S.	2600	0.8	Fair; sun - - - - -					
3	03	3	04	S. E. by S.	—	0.9	Nearly overcast - - - - -					
3	09	3	10	S. E.	—	1.0	Overcast - - - - -	62.4	55.7	88.3	49.9	—
3	15	3	16	S. E. by E.	2700+	0.6	Clear; stars dim - - - - -					
3	21	3	22	S. E.	2700+	0.9	Cloudy; fair - - - - -					
4	03	4	04	S. E. by S.	2700+	0.3	Fair; sun; cumuli - - - - -					
4	09	4	10	S. E. by E.	—	1.0	Overcast; dark - - - - -	61.8	55.4	87.8	49.9	—
4	15	4	16	S. E. by E.	—	1.0	Overcast; dark - - - - -					
4	21	4	22	S. E. by E.	2700+	1.0	Overcast; thick haze - - - - -					
5	03	5	04	S. E.	2700+	1.0	Overcast - - - - -					
5	09	5	10	S. E.	—	1.0	Overcast; dark; showery - - - - -	64.6	54.5	85.0	48.9	—
5	15	5	16	Rain.	—	1.0	Overcast; dark; drizzling rain - - - - -					
5	21	5	22	S. E.	2700+	1.0	Overcast; fair - - - - -					
6	03	6	04	S. E. by S.	2700+	1.0	Overcast; fair - - - - -					
6	09	6	10	S. by E.	—	1.0	Overcast; dark - - - - -	62.0	56.0	77.6	51.0	—
SUNDAY.												
7	15	7	16	S. E.	—	1.0	Overcast; dark - - - - -	63.7	53.5	87.6	51.7	—
7	21	7	22	S. E. by E.	2400	0.9	Nearly overcast - - - - -					
8	03	8	04	S. E. by E.	2700+	1.0	Overcast; sun at intervals - - - - -					
8	09	8	10	S. E. by E.	—	0.9	Fair; stars - - - - -	64.6	53.2	87.0	49.0	0.25
8	15	8	16	S. E.	—	1.0	Overcast - - - - -					
8	21	8	22	S. E. by E.	1600	1.0	Overcast; mist - - - - -					
9	03	9	04	S. E.	2400	1.0	Nearly overcast; sun at intervals - - - - -					
9	09	9	10	E. S. E.	—	1.0	Overcast; showery - - - - -	59.4	53.7	78.0	48.0	0.75
9	15	9	16	Rain.	—	1.0	Overcast; dark; heavy shower - - - - -					
9	21	9	22	S. E.	2500	1.0	Overcast - - - - -					
10	03	10	04	S. E. by E.	2700+	0.9	Dull; cloudy - - - - -					
10	09	10	10	S. E.	2700+	1.0	Overcast - - - - -	59.4	53.3	80.0	50.7	0.50
10	15	10	16	S. E. by E.	—	1.0	Overcast; dark - - - - -					
10	21	10	22	S. E. by E.	2700+	0.8	Fair; sun - - - - -					
11	03	11	04	S. E. by E.	2700+	1.0	Overcast; sun at intervals - - - - -					
11	09	11	10	S. E. by S.	2700+	1.0	Overcast - - - - -	61.0	52.9	85.0	50.0	—
11	15	11	16	S. E.	—	1.0	Overcast; dark - - - - -					
11	21	11	22	S. E. by S.	2400	0.6	Fair; sun - - - - -					
12	03	12	04	S. E. by S.	2500	0.9	Fair; cumuli - - - - -					
12	09	12	10	S. S. E.	2200	1.0	Cloudy - - - - -	61.2	53.5	93.9	49.0	0.50
12	15	12	16	S. E.	—	1.0	Overcast; dark - - - - -					
12	21	12	22	S. S. E.	2500	1.0	Cloudy; sun - - - - -					
13	03	13	04	S. E.	1700	1.0	Overcast; drizzling rain - - - - -					
13	09	13	10	S. E. by S.	2600	1.0	Overcast; moon at intervals - - - - -	60.1	53.2	80.8	47.5	—
SUNDAY.												
14	15	14	16	S. E.	—	1.0	Overcast; dark - - - - -	61.0	54.5	85.3	49.5	0.25
14	21	14	22	S. E.	2700+	0.8	Fair; sun; cumulo-strati - - - - -					
15	03	15	04	S. by E.	2700+	1.0	Overcast; fair - - - - -					
15	09	15	10	S. E. by S.	2700+	0.4	Fair; moon and stars visible - - - - -	64.4	54.6	99.0	49.9	—
15	15	15	16	S. E. by S.	—	1.0	Overcast; dark - - - - -					
15	21	15	22	S. S. E.	2700+	1.0	Overcast; dull - - - - -					
16	03	16	04	S. by E.	2700+	1.0	Overcast; fair - - - - -					
16	09	16	10	S. E. by S.	2700+	1.0	Overcast; moon at intervals - - - - -	61.1	54.1	78.7	46.9	—
16	15	16	16	S. S. E.	2700+	0.6	Partially overcast; moonlight and stars - - - - -					
16	21	16	22	S. E. by S.	2700+	1.0	Overcast; dull - - - - -					
17	03	17	04	S. E. by S.	1600	1.0	Overcast; rain; mist - - - - -					
17	09	17	10	S. S. E.	2700+	0.9	Moon and stars - - - - -	62.2	53.2	85.6	46.9	—
17	15	17	16	Rain.	—	1.0	Overcast; showery - - - - -					
17	21	17	22	S. E.	2700+	0.9	Nearly overcast - - - - -					

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
AUGUST.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
18	03	18	04	52.7	57.5	2700+	1.0	Fair	-	-	-	-
18	09	18	10	52.8	54.0	2200	1.0	Wind in gusts; overcast	-	-	-	1.00
18	15	18	16	51.5	52.7	1800	1.0	Overcast	-	-	-	-
18	21	18	22	54.1	54.8	2100	1.0	Overcast; rain	-	-	-	-
19	03	19	04	54.8	56.2	1600	1.0	Overcast; showery	-	-	-	-
19	09	19	10	52.5	53.8	1600	1.0	Overcast; rain	-	-	-	1.00
19	15	19	16	Rain.	53.8	1600	1.0	Moonlight; overcast; rain	-	-	-	-
19	21	19	22	Rain.	56.2	1600	1.0	Overcast; rain	-	-	-	-
20	03	20	04	54.5	57.9	2700+	1.0	Overcast; dull	-	-	-	-
20	09	20	10	55.3	56.4	1900	1.0	Overcast; moon at intervals	-	-	-	0.50
SUNDAY.												
21	15	21	16	56.0	56.3	2700+	1.0	Cloudy	-	-	-	-
21	21	21	22	54.9	57.5	2700+	1.0	Overcast; fair	-	-	-	-
22	03	22	04	56.8	59.2	2700+	1.0	Overcast; fair	-	-	-	-
22	09	22	10	56.0	56.9	1800	1.0	Overcast; drizzling rain	-	-	-	0.25
22	15	22	16	54.8	56.0	—	1.0	Overcast	-	-	-	-
22	21	22	22	55.5	57.5	2700+	1.0	Overcast	-	-	-	-
23	03	23	04	54.1	61.0	2700+	0.9	Fair; cirro-cumuli	-	-	-	-
23	09	23	10	53.6	55.9	2700+	0.7	Clear; moon at intervals	-	-	-	-
23	15	23	16	Rain.	56.4	1600	1.0	Overcast; rain	-	-	-	-
23	21	23	22	54.9	57.1	2700+	1.0	Overcast	-	-	-	-
24	03	24	04	58.3	61.2	2700	1.0	Overcast; sun at intervals	-	-	-	-
24	09	24	10	55.7	56.6	—	1.0	Overcast; dark	-	-	-	0.25
24	15	24	16	54.3	55.6	2700+	1.0	Overcast	-	-	-	-
24	21	24	22	55.0	56.6	2700+	1.0	Overcast; dull	-	-	-	-
25	03	25	04	54.0	61.6	2700+	1.0	Fair; sun; cumuli; strati	-	-	-	-
25	09	25	10	52.3	56.2	—	1.0	Wind in gusts; overcast	-	-	-	0.25
25	15	25	16	54.2	55.7	2700+	1.0	Cloudy; moon	-	-	-	-
25	21	25	22	53.1	57.5	2700+	1.0	Overcast	-	-	-	-
26	03	26	04	56.3	58.9	2700+	1.0	Overcast; fair	-	-	-	-
26	09	26	10	52.0	55.3	—	1.0	Overcast; dark	-	-	-	-
26	15	26	16	51.6	54.7	2700+	1.0	Overcast	-	-	-	-
26	21	26	22	53.3	56.6	2700+	1.0	Overcast; dull	-	-	-	-
27	03	27	04	56.1	59.7	1900	1.0	Overcast; rain	-	-	-	0.25
27	09	27	10	55.6	55.7	—	1.0	Overcast; dark	-	-	-	-
SUNDAY.												
28	15	28	16	53.4	55.4	—	1.0	Overcast	-	-	-	-
28	21	28	22	53.3	56.6	2700+	1.0	Overcast	-	-	-	-
29	03	29	04	53.6	61.3	2700+	0.9	Fair; sun; cumuli	-	-	-	-
29	09	29	10	54.5	57.0	—	1.0	Overcast	-	-	-	-
29	15	29	16	52.6	55.7	2700+	1.0	Overcast	-	-	-	-
29	21	29	22	53.0	57.7	2700+	1.0	Overcast	-	-	-	-
30	03	30	04	56.3	61.3	2700+	0.9	Fair; sun	-	-	-	-
30	09	30	10	56.0	56.8	—	1.0	Overcast; dark	-	-	-	-
30	15	30	16	Rain.	55.3	—	1.0	Overcast; dark; rain	-	-	-	-
30	21	30	22	55.0	58.0	2700+	0.9	Fair; sun; cumuli	-	-	-	-
31	03	31	04	55.7	61.6	2700+	0.8	Fair; sun	-	-	-	-
31	09	31	10	53.5	56.0	2700+	0.4	Fair; starlight	-	-	-	0.50
SEPTEMBER.												
1	03	1	04	56.3	58.2	2400	1.0	Overcast	-	-	-	-
1	09	1	10	52.5	55.7	—	0.8	Fair; stars visible	-	-	-	0.25
1	15	1	16	53.5	55.8	—	1.0	Wind in gusts; overcast	-	-	-	-
1	21	1	22	56.5	57.6	2600	1.0	Overcast	-	-	-	-
2	03	2	04	57.5	59.0	1600	1.0	Overcast; mist	-	-	-	-
2	09	2	10	Rain.	56.6	—	1.0	Overcast; rain	-	-	-	1.25
2	15	2	16	52.7	54.7	—	1.0	Overcast; dark	-	-	-	-
2	21	2	22	54.5	57.0	2700+	1.0	Overcast; dull	-	-	-	-
3	03	3	04	55.8	58.6	2700+	1.0	Overcast; fair	-	-	-	-
3	09	3	10	54.5	55.6	—	1.0	Overcast; dark	-	-	-	-
SUNDAY.												
4	15	4	16	53.2	54.4	—	1.0	Overcast; dark	-	-	-	0.25
4	21	4	22	53.5	57.3	2700+	1.0	Overcast; haze	-	-	-	-



Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
SEPTEMBER.												
D.	H.	D.	H.	°	°	Feet.						In.
5	03	5	04	55.7	58.0	2400	1.0	Overcast; drizzling rain	-	-	-	-
5	09	5	10	54.7	56.4	—	1.0	Overcast -	-	-	-	-
5	15	5	16	54.0	55.2	—	1.0	Overcast; dark -	-	-	-	-
5	21	5	22	54.5	56.2	2600	1.0	Overcast -	-	-	-	-
6	03	6	04	55.2	59.1	2700+	1.0	Overcast; dull -	-	-	-	-
6	09	6	10	54.5	55.7	—	1.0	Overcast; dark -	-	-	-	-
6	15	6	16	52.2	54.8	—	1.0	Overcast; dark -	-	-	-	-
6	21	6	22	53.7	58.0	2700+	1.0	Fair; overcast -	-	-	-	-
7	03	7	04	55.5	61.0	2700+	0.9	Fair; sun	-	-	-	-
7	09	7	10	54.0	56.5	—	1.0	Overcast; dark -	-	-	-	-
7	15	7	16	54.3	56.0	—	1.0	Overcast; dark -	-	-	-	-
7	21	7	22	53.1	57.1	2700+	1.0	Overcast; haze -	-	-	-	-
8	03	8	04	56.0	59.8	2700+	0.9	Nearly overcast -	-	-	-	-
8	09	8	10	55.6	56.5	—	1.0	Overcast; dark -	-	-	-	-
8	15	8	16	54.1	55.7	—	1.0	Overcast; dark -	-	-	-	-
8	21	8	22	53.9	58.5	2700+	1.0	Overcast; fair	-	-	-	-
9	03	9	04	56.1	61.6	2700+	1.0	Clear; fair	-	-	-	-
9	09	9	10	53.3	56.5	—	1.0	Overcast -	-	-	-	-
9	15	9	16	52.5	55.7	—	1.0	Overcast; dark -	-	-	-	-
9	21	9	22	53.2	58.2	2700+	1.0	Overcast; haze -	-	-	-	-
10	03	10	04	57.5	61.0	2700+	0.9	Fair; cumuli	-	-	-	-
10	09	10	10	Rain.	57.2	1600	1.0	Rain -	-	-	-	0.75
SUNDAY.												
11	15	11	16	—	54.6	—	1.0	Overcast; rain -	-	-	-	1.25
11	21	11	22	Rain.	56.5	1600	1.0	Overcast; rain; mist	-	-	-	-
12	03	12	04	57.0	58.5	1800	1.0	Drizzling rain; thick	-	-	-	-
12	09	12	10	Rain.	55.6	1600	1.0	Overcast; rain -	-	-	-	-
12	15	12	16	52.0	55.0	—	1.0	Overcast; dark -	-	-	-	0.75
12	21	12	22	56.2	57.1	2000	1.0	Wet mist -	-	-	-	-
13	03	13	04	57.5	60.6	2200	1.0	Overcast; fair -	-	-	-	-
13	09	13	10	55.9	56.5	2100	1.0	Overcast -	-	-	-	-
13	15	13	16	54.3	55.5	—	1.0	Overcast; dark -	-	-	-	-
13	21	13	22	55.0	57.5	2600	1.0	Overcast; haze -	-	-	-	-
14	03	14	04	57.3	61.5	2400	1.0	Overcast; fair -	-	-	-	-
14	09	14	10	53.9	56.5	2500	1.0	Overcast -	-	-	-	-
14	15	14	16	53.5	55.0	—	1.0	Overcast; dark -	-	-	-	-
14	21	14	22	54.5	57.0	2000	1.0	Overcast -	-	-	-	-
15	03	15	04	55.5	59.8	2600	1.0	Overcast; dull -	-	-	-	-
15	09	15	10	56.5	57.0	2700+	1.0	Overcast -	-	-	-	-
15	15	15	16	Rain.	55.8	1700	1.0	Overcast; a few drops of rain	-	-	-	-
15	21	15	22	56.5	59.0	2500	1.0	Overcast; base -	-	-	-	-
16	03	16	04	58.1	61.6	2500	1.0	Overcast; fair -	-	-	-	-
16	09	16	10	56.2	57.6	2200	1.0	Overcast -	-	-	-	-
16	15	16	16	55.7	56.6	1600	1.0	Overcast -	-	-	-	-
16	21	16	22	56.0	58.6	2400	1.0	Overcast -	-	-	-	-
17	03	17	04	57.5	59.8	2200	1.0	Overcast; fair -	-	-	-	-
17	09	17	10	56.0	57.2	2400	1.0	Overcast; rain -	-	-	-	0.25
SUNDAY.												
18	15	18	16	52.9	55.9	2700+	1.0	Overcast -	-	-	-	-
18	21	18	22	54.8	59.6	2700+	0.9	Fair; cloudy -	-	-	-	-
19	03	19	04	57.3	61.2	2600	0.9	Cloudy; fair; sun	-	-	-	-
19	09	19	10	53.5	56.6	2700+	1.0	Overcast -	-	-	-	-
19	15	19	16	52.0	55.4	2700+	1.0	Cloudy; moonlight	-	-	-	-
19	21	19	22	53.7	58.0	2700+	1.0	Overcast; fair -	-	-	-	-
20	03	20	04	54.5	60.6	2700+	1.0	Overcast; fair -	-	-	-	-
20	09	20	10	—	56.7	2700+	1.0	Overcast -	-	-	-	-
20	15	20	16	52.3	55.8	2700+	1.0	Overcast -	-	-	-	-
20	21	20	22	51.8	58.0	2700+	1.0	Overcast -	-	-	-	-
21	03	21	04	57.5	60.9	2500	1.0	Overcast -	-	-	-	-
21	09	21	10	56.4	56.3	2700+	1.0	Overcast -	-	-	-	-
21	15	21	16	53.9	55.9	2700+	1.0	Overcast -	-	-	-	-
21	21	21	22	57.0	58.4	1800	1.0	Overcast -	-	-	-	-

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.											
SEPTEMBER.												
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.
22	03	22	04	57.5	60.2	1800	1.0	Mist	-	-	-	-
22	09	22	10	Rain.	56.6	1600	1.0	Overcast; rain	-	-	-	1.25
22	15	22	16	Rain.	56.0	1600	1.0	Overcast; wet mist	-	-	-	-
22	21	22	22	55.1	55.8	2100	1.0	Overcast; mist	-	-	-	-
23	03	23	04	57.5	58.3	2600	0.9	Fair; sun	-	-	-	-
23	09	23	10	53.9	55.2	—	1.0	Overcast; dark	-	-	-	-
23	15	23	16	Rain.	55.2	—	1.0	Overcast; a few drops of rain	-	-	-	-
23	21	23	22	54.0	57.7	2700+	1.0	Fair; haze	-	-	-	-
24	03	24	04	55.3	58.0	2300	1.0	Overcast; rain	-	-	-	-
24	09	24	10	53.9	55.0	—	1.0	Overcast; dark	-	-	-	0.50
SUNDAY.												
25	15	25	16	55.0	55.4	2700+	1.0	Overcast; fair	-	-	-	-
25	21	25	22	53.6	58.0	2700+	1.0	Overcast	-	-	-	-
26	03	26	04	55.5	64.4	2700+	0.2	Fair; sun; cumuli	-	-	-	-
26	09	26	10	55.5	57.6	—	1.0	Overcast; dark	-	-	-	-
26	15	26	16	53.8	56.7	—	1.0	Overcast	-	-	-	-
26	21	26	22	56.1	59.5	2700	0.9	Fair; sun	-	-	-	-
27	03	27	04	58.5	63.2	2400	0.9	Clear; fair; cumulo-strati	-	-	-	-
27	09	27	10	55.5	57.3	—	1.0	Overcast; dark	-	-	-	-
27	15	27	16	55.5	56.3	—	1.0	Overcast; dark	-	-	-	-
27	21	27	22	56.5	59.0	2700	1.0	Overcast; fair	-	-	-	-
28	03	28	04	59.5	65.6	2700	1.0	Nearly overcast; fair	-	-	-	-
28	09	28	10	55.5	57.8	—	1.0	Overcast; dark	-	-	-	-
28	15	28	16	55.5	56.7	2700+	1.0	Overcast; dark	-	-	-	-
28	21	28	22	55.5	59.5	2700+	1.0	Overcast; haze	-	-	-	-
29	03	29	04	58.3	66.9	2700+	0.4	Clear; fine; sun	-	-	-	-
29	09	29	10	56.2	58.5	2700+	0.9	Nearly overcast; a few stars visible	-	-	-	-
29	15	29	16	56.5	57.2	—	1.0	Overcast; dark; a few stars visible	-	-	-	-
29	21	29	22	58.5	59.5	1800	1.0	Overcast	-	-	-	-
30	03	30	04	58.6	64.6	2700+	0.9	Clear; sun; cumuli	-	-	-	-
30	09	30	10	58.0	58.5	—	1.0	Overcast; dark	-	-	-	-
30	15	30	16	Rain.	57.5	—	1.0	Drizzling rain; dark	-	-	-	1.75
30	21	30	22	Rain.	60.3	1600	1.0	Rain; mist	-	-	-	-
OCTOBER.												
1	03	1	04	Rain.	60.0	1600	1.0	Drizzling rain	-	-	-	1.50
1	09	1	10	Rain.	57.2	1600	1.0	Wet; mist	-	-	-	-
SUNDAY.												
2	15	2	16	54.5	56.2	—	1.0	Overcast; dark	-	-	-	-
2	21	2	22	55.9	58.8	2700+	1.0	Overcast; dull	-	-	-	-
3	03	3	04	57.0	61.1	2400	1.0	Overcast; fair	-	-	-	-
3	09	3	10	56.2	56.7	—	0.9	Cloudy; stars visible	-	-	-	-
3	15	3	16	53.7	55.9	—	0.9	Cloudy; a few obscure stars	-	-	-	0.50
3	21	3	22	Rain.	56.3	1600	1.0	Rain	-	-	-	-
4	03	4	04	57.8	61.0	2500	1.0	Overcast	-	-	-	-
4	09	4	10	55.9	56.8	—	1.0	Overcast; dark	-	-	-	-
4	15	4	16	Rain.	55.7	—	1.0	Dark; light rain	-	-	-	0.50
4	21	4	22	56.7	57.4	2100	1.0	Overcast; mist	-	-	-	-
5	03	5	04	57.0	60.3	2600	1.0	Overcast; fair	-	-	-	-
5	09	5	10	54.6	56.9	—	1.0	Overcast; dark	-	-	-	-
5	15	5	16	54.0	55.8	—	1.0	Overcast; dark	-	-	-	-
5	21	5	22	56.1	58.9	2700	1.0	Overcast	-	-	-	-
6	03	6	04	58.2	62.5	2600	0.9	Fair; sun	-	-	-	-
6	09	6	10	54.4	57.2	—	1.0	Overcast; dark	-	-	-	-
6	15	6	16	55.5	56.3	—	1.0	Overcast; dark	-	-	-	-
6	21	6	22	56.0	57.6	2000	1.0	Overcast; mist	-	-	-	-
7	03	7	04	57.5	61.0	2600	1.0	Overcast; dull	-	-	-	-
7	09	7	10	55.5	57.4	—	1.0	Overcast; dark	-	-	-	-
7	15	7	16	54.5	56.2	—	1.0	Overcast; dark	-	-	-	-
7	21	7	22	56.2	59.4	2700+	1.0	Overcast; fair	-	-	-	-
8	03	8	04	57.7	62.7	2700	1.0	Overcast; dull	-	-	-	-
8	09	8	10	55.1	57.1	2700+	1.0	Overcast	-	-	-	-
SUNDAY.												
9	15	9	16	52.7	55.5	—	1.0	Overcast; dark	-	-	-	-
9	21	9	22	52.3	57.7	2700+	1.0	Overcast	-	-	-	-

Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.								
OCTOBER.												
D.	H.	D.	H.		Feet.							In.
10	03	10	04		2700+	0.9	Fair; sun; cumuli					
10	09	10	10	S. E.	2700+	1.0	Overcast	65.3	55.3	95.6	53.2	—
10	15	10	16	S. E.	—	1.0	Overcast; very dark					
10	21	10	22	S. E. by E.	2700+	1.0	Overcast; fair					
11	03	11	04	S. E. by E.	2700+	0.6	Fair; sun; cumulo-strati					
11	09	11	10	S. E. by E.	2500	0.9	Nearly overcast	67.0	56.0	90.8	52.3	—
11	15	11	16	S. E.	—	1.0	Overcast; dark					
11	21	11	22	S. E. by S.	2000	1.0	Overcast					
12	03	12	04	S. S. E.	2600	1.0	Overcast; fair					
12	09	12	10	S. S. E.	1700	1.0	Wind in gusts; overcast	65.4	55.7	93.6	55.2	—
12	15	12	16	S. E. by S.	—	1.0	Overcast; dark					
12	21	12	22	S. E. by S.	2200	1.0	Overcast; fair					
13	03	13	04	S.	2200	0.7	Fair; sun; cumuli					
13	09	13	10	S. E. by S.	2200	0.9	Cloudy	65.4	55.3	95.0	54.1	—
13	15	13	16	S. S. E.	—	1.0	Overcast; dark					
13	21	13	22	S. S. E.	2700+	0.1	Clear; fine; sun					
14	03	14	04	S. E.	2700	0.8	Fair; sun; cumuli					
14	09	14	10	S. E. by S.	1600	1.0	Overcast	66.9	55.8	98.4	54.1	—
14	15	14	16	S. E.	—	1.0	Overcast; dark					
14	21	14	22	S. E.	2700+	1.0	Overcast; haze					
15	03	15	04	S. E.	2700	1.0	Nearly overcast					
15	09	15	10	S. E.	2700+	1.0	Overcast	64.0	56.6	85.4	55.6	—
SUNDAY.												
16	15	16	16	S. E. by S.	2400	1.0	Overcast	65.0	57.0	90.3	55.6	—
16	21	16	22	S. E. by S.	2000	1.0	Overcast; mist					
17	03	17	04	S. E.	2000	1.0	Overcast					
17	09	17	10	S. E.	1900	1.0	Overcast; drizzling rain					
17	15	17	16	Rain.	1700	1.0	Overcast; rain	62.0	56.5	79.3	55.8	0.50
17	21	17	22	S. E.	2200	1.0	Overcast					
18	03	18	04	S. E. by E.	1700	1.0	Wet mist					
18	09	18	10	S. E. by S.	1600	1.0	Thick mist; rain					
18	15	18	16	Rain.	1600	1.0	Overcast; wet mist	61.8	55.1	82.4	54.1	1.25
18	21	18	22	S. E.	2700+	1.0	Overcast					
19	03	19	04	S. E. by S.	2700+	1.0	Nearly overcast; fair					
19	09	19	10	S. E.	2700	1.0	Overcast; moon at intervals					
19	15	19	16	S. E. by S.	2500	1.0	Overcast	63.0	55.0	86.6	52.8	0.25
19	21	19	22	Rain.	1600	1.0	Rain					
20	03	20	04	S. E. by E.	2600	0.9	Cloudy					
20	09	20	10	S. E.	2700+	1.0	Cloudy; moon at intervals					
20	15	20	16	S. E. by S.	2500	1.0	Overcast	63.1	55.2	86.8	50.5	—
20	21	20	22	S. E. by S.	2700+	0.8	Fair; sun					
21	03	21	04	S. E. by S.	2600	0.9	Fair; cirro-cumuli					
21	09	21	10	S. E.	1900	1.0	Overcast	64.2	53.7	89.2	51.1	0.50
21	15	21	16	S. S. E.	1600	1.0	Overcast; rain					
21	21	21	22	S. E.	1900	1.0	Overcast					
22	03	22	04	S. E.	2600	0.9	Nearly overcast; sun; strati					
22	09	22	10	S. E.	—	0.6	Clear; stars dim	64.5	55.4	93.8	52.2	—
SUNDAY.												
23	15	23	16	S. E.	2700+	1.0	Overcast	64.6	54.8	94.0	50.1	—
23	21	23	22	S. E. by E.	2700	1.0	Overcast					
24	03	24	04	S. E.	2700+	0.9	Nearly overcast; fair					
24	09	24	10	S. E. by E.	—	0.8	Cloudy; a few dim stars					
24	15	24	16	S. E. by S.	2400	1.0	Overcast; moonlight	64.0	55.4	97.6	50.9	—
24	21	24	22	S. E. by E.	2700+	0.9	Fair; sun at intervals					
25	03	25	04	S. E. by E.	2700+	0.9	Fair; sun					
25	09	25	10	S. E. by E.	—	0.7	Cloudy; a few dim stars					
25	15	25	16	S. E. by E.	2000	1.0	Overcast	65.3	56.6	96.5	53.5	0.25
25	21	25	22	S. E.	2400	1.0	Overcast					
26	03	26	04	S. E.	2100	0.9	Fair; cumuli					
26	09	26	10	S. E.	—	0.9	Cloudy; a few dim stars					
26	15	26	16	S. S. E.	2700+	0.8	Cloudy; moonlight; a few stars visible	65.9	55.6	87.3	51.6	—
26	21	26	22	S. E. by E.	2700+	0.9	Clear; fair; sun					

Mean Solar Time (Astronom. Reckg.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.									
OCTOBER.													
D.	H.	D.	H.	°	°	Feet.						In.	
27	03	27	04	57.6	62.1	2100	0.9	Fair; cumuli	-	-	-	-	-
27	09	27	10	56.5	57.7	—	0.7	A few stars	-	-	-	-	-
27	15	27	16	54.9	56.0	2700	0.9	Cloudy; a few stars	-	-	-	-	-
27	21	27	22	56.4	61.8	2700+	0.8	Fair; sun	-	-	-	-	-
28	03	28	04	57.7	61.3	2400	0.9	Fair; cirro-cumuli	-	-	-	-	-
28	09	28	10	55.5	57.2	—	1.0	Overcast	-	-	-	-	-
28	15	28	16	55.0	56.0	2700+	0.4	Moonlight and stars	-	-	-	-	-
28	21	28	22	55.9	60.0	2200	1.0	Overcast; dull	-	-	-	-	-
29	03	29	04	56.7	60.2	2400	1.0	Overcast; fair	-	-	-	-	-
29	09	29	10	55.3	57.2	—	1.0	Overcast	-	-	-	-	-
SUNDAY.													
30	15	30	16	54.2	56.4	—	1.0	Overcast; dark	-	-	-	-	-
30	21	30	22	54.2	58.5	2700+	1.0	Overcast; dull	-	-	-	-	0.25
31	03	31	04	56.8	61.5	2200	1.0	Overcast	-	-	-	-	-
31	09	31	10	54.1	56.9	—	1.0	Overcast; dark	-	-	-	-	-
31	15	31	16	55.2	55.8	—	1.0	Overcast; dark	-	-	-	-	-
31	21	31	22	55.3	58.8	2600	1.0	Overcast; dull	-	-	-	-	-
NOVEMBER.													
1	03	1	04	56.9	61.6	2700	1.0	Overcast	-	-	-	-	-
1	09	1	10	53.4	56.8	—	1.0	Overcast; dark	-	-	-	-	-
1	15	1	16	52.5	56.4	—	1.0	Overcast; dark	-	-	-	-	-
1	21	1	22	55.4	60.6	2700+	1.0	Overcast; fair	-	-	-	-	-
2	03	2	04	57.3	63.3	2700	1.0	Overcast; fair	-	-	-	-	-
2	09	2	10	54.9	56.7	2700+	0.6	Clear; stars	-	-	-	-	-
2	15	2	16	53.2	56.4	—	1.0	Overcast; dark	-	-	-	-	-
2	21	2	22	53.5	61.5	2700+	1.0	Overcast; fair	-	-	-	-	-
3	03	3	04	57.5	66.3	2700+	0.0	Fair; sun	-	-	-	-	-
3	09	3	10	54.1	56.7	2700+	0.1	Fair; stars bright	-	-	-	-	-
3	15	3	16	55.0	57.2	—	1.0	Overcast; dark	-	-	-	-	-
3	21	3	22	54.3	60.9	2700+	1.0	Overcast; fair; haze	-	-	-	-	-
4	03	4	04	55.5	67.0	2700+	0.9	Fair; sun; cumuli	-	-	-	-	-
4	09	4	10	54.6	58.8	2700+	0.6	Clear; stars	-	-	-	-	-
4	15	4	16	55.5	57.7	—	1.0	Overcast; dark	-	-	-	-	-
4	21	4	22	56.7	60.5	2700+	1.0	Overcast	-	-	-	-	-
5	03	5	04	57.4	63.6	2500	0.7	Fair; sun; cumuli	-	-	-	-	-
5	09	5	10	55.6	58.8	2500	0.9	Nearly overcast	-	-	-	-	-
SUNDAY.													
6	15	6	16	56.9	58.5	—	1.0	Overcast	-	-	-	-	-
6	21	6	22	57.0	60.0	2700+	1.0	Overcast	-	-	-	-	-
7	03	7	04	57.5	64.2	2700+	1.0	Overcast; fair	-	-	-	-	-
7	09	7	10	57.5	58.5	2700+	0.4	Fair; moon and stars; cumuli	-	-	-	-	-
7	15	7	16	56.7	57.8	—	1.0	Overcast	-	-	-	-	-
7	21	7	22	58.3	61.7	2600	0.9	Fair; sun; cumuli	-	-	-	-	-
8	03	8	04	57.8	63.6	2700	1.0	Nearly overcast; fair	-	-	-	-	-
8	09	8	10	56.1	59.0	2500	0.9	Fair; moonlight; a few stars	-	-	-	-	-
8	15	8	16	56.7	58.0	—	1.0	Overcast; dark	-	-	-	-	-
8	21	8	22	55.3	62.5	2700+	0.8	Cloudy; haze	-	-	-	-	-
9	03	9	04	57.1	65.5	2700+	0.9	Fair; cumuli	-	-	-	-	-
9	09	9	10	57.4	59.5	2700+	1.0	Overcast; a few drops of rain	-	-	-	-	-
9	15	9	16	Rain.	58.2	—	1.0	Overcast; rain	-	-	-	-	0.50
9	21	9	22	Rain.	59.3	1600	1.0	Overcast; rain	-	-	-	-	-
10	03	10	04	58.5	61.6	2200	1.0	Overcast; sun at intervals	-	-	-	-	-
10	09	10	10	57.4	58.4	2000	1.0	Overcast; a few drops of rain	-	-	-	-	-
10	15	10	16	57.1	58.0	—	1.0	Overcast; dark	-	-	-	-	-
10	21	10	22	Rain.	58.4	1800	1.0	Overcast; rain	-	-	-	-	0.75
11	03	11	04	60.5	62.5	2700	0.8	Fair; sun	-	-	-	-	-
11	09	11	10	56.6	58.1	2500	1.0	Overcast	-	-	-	-	-
11	15	11	16	56.7	57.5	—	1.0	Overcast; dark	-	-	-	-	-
11	21	11	22	54.4	60.5	2700+	1.0	Overcast; dull	-	-	-	-	0.25
12	03	12	04	55.3	63.1	2700+	0.9	Fair; cirro-strati	-	-	-	-	-
12	09	12	10	55.7	58.1	2700+	1.0	Cloudy; moon	-	-	-	-	-
SUNDAY.													
13	15	13	16	57.0	57.9	—	1.0	Overcast; dark	-	-	-	-	-
13	21	13	22	56.5	60.4	2700+	1.0	Overcast	-	-	-	-	-

Mean Solar Time (Astronom. Reckg.)				Dew Point.	Standard Therm.	Wind. Direction.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen													
NOVEMBER.														
D.	H.	D.	H.	°	°		Feet.			°	°	°	°	In.
14	03	14	04	58.5	62.3	S. E. by E.	2200	1.0	Overcast; dull - - - - -					
14	09	14	10	Rain.	58.4	S. E.	1600	1.0	Overcast; rain - - - - -	65.0	56.7	79.6	56.5	0.50
14	15	14	16	56.5	57.7	S. E.	—	1.0	Overcast; dark - - - - -					
14	21	14	22	57.3	59.4	S. E. by E.	2600	1.0	Overcast; dull - - - - -					
15	03	15	04	57.7	63.2	S. E. by S.	2700+	1.0	Overcast; haze - - - - -					
15	09	15	10	56.4	58.4	S. E.	2700+	1.0	Overcast; a few drops of rain - - - - -	65.0	57.0	81.2	57.0	—
15	15	15	16	55.0	57.4	S. E.	2700+	1.0	Overcast - - - - -					
15	21	15	22	55.6	59.5	S. E. by E.	2700+	1.0	Overcast; hazy - - - - -					
16	03	16	04	58.5	64.0	S. E.	2700+	1.0	Overcast - - - - -					
16	09	16	10	55.4	59.2	S. E. by E.	2700+	1.0	Overcast - - - - -	64.9	57.6	81.0	55.9	—
16	15	16	16	57.5	58.5	S. E. by E.	2000	1.0	Overcast; faint moonlight - - - - -					
16	21	16	22	56.5	60.1	S. E. by E.	2700+	1.0	Overcast; haze - - - - -					
17	03	17	04	58.1	63.3	S. E.	2500	1.0	Overcast; hazy - - - - -					
17	09	17	10	57.6	59.4	S. E.	2100	1.0	Overcast - - - - -	64.9	57.5	77.6	57.5	0.50
17	15	17	16	57.4	58.5	S. E.	1900	1.0	Overcast - - - - -					
17	21	17	22	59.3	59.6	S. E. by E.	1600	1.0	Overcast; wet mist - - - - -					
18	03	18	04	59.4	64.4	S. E. by S.	2700	0.8	Fair; sun - - - - -					
18	09	18	10	58.4	59.6	S. E. by S.	1900	1.0	Overcast - - - - -	65.5	57.9	77.8	58.1	0.50
18	15	18	16	57.6	58.5	S. E.	2200	1.0	Overcast - - - - -					
18	21	18	22	59.2	59.5	S. E. by E.	1900	1.0	Overcast - - - - -					
19	03	19	04	60.8	63.2	S. E. by S.	1900	1.0	Overcast - - - - -					
19	09	19	10	58.2	58.8	S. E. by S.	2000	1.0	Overcast; a few drops of rain - - - - -	65.0	57.0	78.9	56.9	—
SUNDAY.														
20	15	20	16	55.8	57.0	S. E. by S.	2700+	1.0	Overcast - - - - -	66.0	56.7	86.0	56.1	0.25
20	21	20	22	55.6	59.7	S. E. by S.	2700	1.0	Overcast - - - - -					
21	03	21	04	61.0	65.6	S. by E.	2600	0.9	Fair; sun at intervals - - - - -					
21	09	21	10	58.8	59.8	S. S. E.	—	1.0	Overcast; a few drops of rain - - - - -	67.0	58.3	94.0	57.2	—
21	15	21	16	56.5	58.6	S. S. E.	2700	1.0	Overcast - - - - -					
21	21	21	22	55.5	61.6	S. S. E.	2700+	1.0	Overcast; fair - - - - -					
22	03	22	04	59.8	65.6	S. E.	2700+	1.0	Fair; sun at intervals - - - - -					
22	09	22	10	59.3	60.4	S. E.	—	1.0	Overcast; dark - - - - -	67.2	58.6	84.4	57.0	—
22	15	22	16	56.5	58.9	S. E. by E.	2700+	1.0	Overcast - - - - -					
22	21	22	22	58.9	60.9	S. E. by E.	1800	1.0	Overcast; dull - - - - -					
23	03	23	04	59.6	60.8	S. E.	2400	1.0	Overcast; hazy - - - - -					
23	09	23	10	57.8	59.0	S. E. by E.	2100	1.0	Overcast - - - - -	64.5	57.4	79.9	56.8	0.25
23	15	23	16	56.5	58.2	S. E. by E.	2000	1.0	Overcast - - - - -					
23	21	23	22	57.2	60.4	S. E. by E.	2600	1.0	Overcast; dull - - - - -					
24	03	24	04	59.6	63.5	S. E.	2000	1.0	Overcast; fair - - - - -					
24	09	24	10	58.5	59.4	S. E. by E.	—	1.0	Overcast; dark - - - - -	67.4	57.5	90.6	57.1	—
24	15	24	16	57.8	58.5	S. E.	—	1.0	Overcast; rain - - - - -					
24	21	24	22	58.5	60.3	S. E. by E.	2600	1.0	Overcast; fair - - - - -					
25	03	25	04	57.2	65.2	S. E.	2700+	0.8	Fair; sun; cumuli - - - - -					
25	09	25	10	57.5	59.8	S. E.	—	1.0	Nearly overcast; a few stars visible - - - - -	67.4	57.5	84.6	55.3	—
25	15	25	16	56.6	58.0	S. E. by E.	2700+	1.0	Overcast - - - - -					
25	21	25	22	56.5	62.8	S. E. by E.	2700+	0.9	Fair; sun; cumuli - - - - -					
26	03	26	04	58.4	64.7	S. S. E.	2700+	0.9	Cloudy - - - - -					
26	09	26	10	57.6	59.3	S. E. by E.	2000	1.0	Overcast - - - - -	67.6	57.3	90.8	55.3	—
SUNDAY.														
27	15	27	16	57.1	58.4	S. E. by E.	—	1.0	Overcast; dark - - - - -	68.7	57.5	91.6	57.0	—
27	21	27	22	59.1	60.7	S. E. by E.	2200	1.0	Overcast; dull - - - - -					
28	03	28	04	59.1	67.8	S. E.	2700+	0.4	Fair; sun; cumuli - - - - -					
28	09	28	10	57.5	59.7	S. E. by E.	—	0.9	Cloudy; a few stars - - - - -					
28	15	28	16	56.6	58.3	S. E.	—	1.0	Overcast; dark - - - - -	70.5	57.3	94.1	55.0	—
28	21	28	22	58.1	61.0	S. E. by E.	2100	1.0	Overcast - - - - -					
29	03	29	04	58.8	63.1	S. E. by E.	2700+	0.9	Fair; sun at intervals - - - - -					
29	09	29	10	56.3	59.2	S. E. by E.	—	1.0	Overcast; dark - - - - -					
29	15	29	16	55.3	58.2	S. S. E.	—	1.0	Overcast; dark - - - - -	65.3	57.3	86.0	55.5	—
29	21	29	22	58.6	63.0	S. E. by E.	2700+	0.8	Fair; sun; cumuli - - - - -					
30	03	30	04	55.5	64.4	S. E. by E.	2500	0.9	Cloudy; strati - - - - -					
30	09	30	10	57.4	58.9	S. E. by E.	—	1.0	Overcast; dark - - - - -					
30	15	30	16	56.2	56.6	S. E.	—	1.0	Overcast; very dark - - - - -	63.8	55.4	84.0	—	0.50
30	21	30	22	58.7	60.6	S. E. by E.	2700+	0.9	Cloudy; sun; cumuli - - - - -					

Mean Solar Time (Astronom'. Recks.)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.									Feet.
DECEMBER.													
D.	H.	D.	H.	°	°							In.	
1	03	1	04	57.5	62.6	S.E. by E.	2700+	0.9	Fair; sun	-	-	-	-
1	09	1	10	57.3	58.2	S.E. by E.	—	1.0	Overcast; dark	-	-	-	64.4
1	15	1	16	55.6	56.5	S. E.	—	1.0	Overcast; dark	-	-	-	55.2
1	21	1	22	56.7	57.9	S.E. by E.	2000	1.0	Nearly overcast; showery	-	-	-	81.4
2	03	2	04	58.5	61.2	S.E. by E.	2700+	1.0	Overcast -	-	-	-	54.5
2	09	2	10	57.1	59.5	S.E. by E.	—	1.0	Overcast; dark	-	-	-	66.0
2	15	2	16	56.8	58.7	S.E. by E.	—	1.0	Overcast; dark	-	-	-	57.3
2	21	2	22	58.6	61.5	S.E. by E.	2600	0.7	Fair; sun; strati	-	-	-	82.8
3	03	3	04	Rain.	63.4	S. E.	1800	1.0	Overcast; rain	-	-	-	56.2
3	09	3	10	58.5	59.7	S. E.	—	1.0	Overcast; dark	-	-	-	64.0
SUNDAY.													
4	15	4	16	55.5	58.6	S. E.	—	1.0	Overcast; dark; a few stars visible	-	-	-	—
4	21	4	22	58.2	62.1	S.E. by S.	2200	1.0	Overcast -	-	-	-	58.5
5	03	5	04	59.0	66.5	S. E.	2600	1.0	Nearly overcast; stratus	-	-	-	—
5	09	5	10	58.7	60.1	S. E.	—	1.0	Overcast; dark	-	-	-	68.2
5	15	5	16	56.2	59.0	S. E.	—	1.0	Overcast; strati; dark	-	-	-	58.7
5	21	5	22	58.6	60.6	S. E.	2400	1.0	Overcast; dull	-	-	-	89.7
6	03	6	04	59.9	62.0	S. E. by S.	1900	1.0	Nearly overcast; cumulo-strati	-	-	-	57.1
6	09	6	10	58.2	59.5	S.E. by E.	—	1.0	Overcast; dark; strati	-	-	-	66.0
6	15	6	16	Rain.	58.4	S.E. by E.	—	1.0	Overcast; dark; rain	-	-	-	57.5
6	21	6	22	58.0	60.8	S.E. by E.	2700+	1.0	Nearly overcast; cirro-cumuli	-	-	-	87.9
7	03	7	04	60.5	64.7	S. E.	2700	0.9	Fair; sun; cirro-cumuli	-	-	-	57.2
7	09	7	10	58.6	59.6	S. E.	—	1.0	Overcast; strati	-	-	-	66.9
7	15	7	16	56.5	58.4	S.E. by E.	—	1.0	Overcast; strati; wind in gusts	-	-	-	57.2
7	21	7	22	57.6	59.8	S. E.	2400	1.0	Overcast; dull; strati	-	-	-	82.1
8	03	8	04	59.0	64.6	S. E.	2500	0.9	Cloudy; cumuli and strati	-	-	-	55.1
8	09	8	10	57.7	59.3	S. E.	2600	0.9	Fair; moon and stars; cumulo-strati	-	-	-	66.6
8	15	8	16	57.7	58.5	S. E.	—	1.0	Overcast; dark; stratus	-	-	-	57.1
8	21	8	22	55.8	60.0	S.E. by S.	2700+	1.0	Overcast; stratus	-	-	-	84.0
9	03	9	04	60.7	65.6	S. E.	2700+	0.6	Fair; sun; cirro-strati; cumuli	-	-	-	56.2
9	09	9	10	55.6	59.9	S.E. by S.	2400	1.0	Overcast; stratus	-	-	-	68.5
9	15	9	16	56.7	58.6	S. by E.	—	1.0	Overcast; very dark; stratus	-	-	-	58.3
9	21	9	22	57.2	61.7	S.E. by S.	2700+	1.0	Overcast; haze; strati	-	-	-	96.0
10	03	10	04	57.2	66.9	S. by E.	2700+	0.3	Fair; sun; strati extending from N. to E.; light cumuli	-	-	-	57.0
10	09	10	10	57.1	59.9	S. E. by S.	2700	1.0	Overcast; moon visible at intervals; strati	-	-	-	68.4
SUNDAY.													
11	15	11	16	56.5	59.4	S.E. by E.	—	1.0	Overcast; very dark; stratus	-	-	-	66.9
11	21	11	22	57.4	61.5	S. E.	2600	1.0	Overcast; stratus	-	-	-	57.6
12	03	12	04	60.0	64.9	S. E.	2600	1.0	Overcast; fair; stratus	-	-	-	85.0
12	09	12	10	57.4	60.0	S.E. by E.	2700	1.0	Overcast; faint moonlight; strati	-	-	-	57.5
12	15	12	16	56.0	58.8	S.E. by E.	—	1.0	Overcast; very dark; stratus	-	-	-	66.4
12	21	12	22	56.5	61.0	S.E. by S.	2700+	1.0	Overcast; fair; cumuli; stratus	-	-	-	57.3
13	03	13	04	60.0	64.0	S.E. by E.	2200	1.0	Fair; sun at intervals; cumuli; strati	-	-	-	88.0
13	09	13	10	58.5	59.8	S.E. by E.	2200	1.0	Overcast; stratus	-	-	-	56.2
13	15	13	16	56.3	58.4	S. E.	—	1.0	Overcast; very dark	-	-	-	67.4
13	21	13	22	57.0	61.4	S. E.	2700+	1.0	Overcast; clouds breaking in the N.; S.E. densely	-	-	-	57.6
14	03	14	04	56.6	65.0	S.E. by E.	2700+	0.8	Fair; sun; cumuli	-	-	-	87.9
14	09	14	10	57.3	59.6	S.E. by E.	2700	0.9	Fair; moon and stars; stratus; cumuli	-	-	-	55.7
14	15	14	16	57.7	58.6	S.E. by S.	1900	0.7	Moon setting clear, with stars in zenith; cumuli and	-	-	-	68.2
14	21	14	22	55.6	63.5	S. E.	2700+	0.7	Fair; sun; cumuli; strati	-	-	-	57.8
15	03	15	04	56.2	67.7	S. E.	2700+	0.6	Fair; sun; cumuli passing from zenith towards N.W.	-	-	-	91.2
15	09	15	10	58.3	60.6	S. E.	2700+	0.9	Moonlight; cumulo-strati; heavy clouds passing to W.	-	-	-	54.9
15	15	15	16	57.5	59.3	S.E. by S.	2700+	1.0	Overcast; fair; stratus	-	-	-	70.1
15	21	15	22	58.6	61.3	S.E. by S.	2500	1.0	Overcast; stratus; dull haze	-	-	-	58.6
16	03	16	04	59.1	65.0	S. E.	2700+	0.9	Fair; sun at intervals; cumuli; strati	-	-	-	97.0
16	09	16	10	57.6	60.3	S. E.	2500	0.9	Moonlight; a few stars visible; cumuli; strati	-	-	-	56.6
16	15	16	16	58.0	59.3	S.E. by S.	2700+	1.0	Moonlight; overcast; cumulo-strati	-	-	-	67.2
16	21	16	22	56.7	61.3	S. E.	2700+	0.9	Fair; sun; cumulo-strati	-	-	-	58.2
17	03	17	04	54.8	66.3	S. E.	2700+	0.4	Fair; sun; cumuli passing slowly	-	-	-	92.6
17	09	17	10	54.8	58.9	S.E. by E.	—	0.0	Nearly cloudless; a small cumulus cloud to N.E.; very	-	-	-	55.1
SUNDAY.													
18	15	18	16	57.6	59.2	S.E. by S.	2200	1.0	Overcast; moon at intervals; stratus	-	-	-	68.9
18	21	18	22	Rain.	60.4	S. E.	1600	1.0	Overcast; rain; nimbus; stratus	-	-	-	58.2

Mean Solar Time (Astronoml. Reck <sup>g</sup> .)		Dew Point.	Standard Therm.	Wind.	Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.									
DECEMBER.													
D.	H.	D.	H.	°	°	Feet.		°	°	°	°	In.	
19	03	19	04	60.4	63.3	S.E. by S.	2400	1.0	Overcast; stratus	-	-	-	-
19	09	19	10	59.2	59.5	S. E.	1600	1.0	Overcast; mist; rain; nimbus	-	-	-	-
19	15	19	16	Rain.	58.3	S.E. by S.	1600	1.0	Overcast; wet mist; moonlight	-	-	-	66.3
19	21	19	22	59.1	59.4	S. E.	2400	1.0	Overcast; dull; stratus	-	-	-	57.5
20	03	20	04	67.1	66.9	S. E.	2700	0.8	Fair; sun; cumulo-strati	-	-	-	83.3
20	09	20	10	59.3	60.4	S. E.	—	1.0	Overcast; dark; stratus	-	-	-	57.1
20	15	20	16	Rain.	59.3	S. E. by S.	1600	1.0	Overcast; moonlight; light mist	-	-	-	68.1
20	21	20	22	59.5	60.1	S.E. by E.	1800	1.0	Overcast; thick mist; stratus	-	-	-	57.5
21	03	21	04	57.6	65.5	S.E. by E.	2700+	0.9	Fair; cumulo-strati	-	-	-	86.6
21	09	21	10	59.2	60.0	S. E.	—	0.9	Fair; a few stars; strati	-	-	-	57.0
21	15	21	16	55.1	59.3	S.E. by E.	2700+	1.0	Overcast; strati	-	-	-	0.25
21	21	21	22	55.7	61.4	S. E.	2700+	1.0	Overcast; fair; stratus	-	-	-	—
22	03	22	04	56.9	67.6	S. E.	2700+	0.4	Fair; sun; strati; cumuli	-	-	-	—
22	09	22	10	59.3	61.6	S.E. by S.	—	0.8	Fair; a few stars; stratus	-	-	-	70.5
22	15	22	16	59.3	59.8	S.E. by E.	1600	1.0	Overcast; thick mist	-	-	-	57.9
22	21	22	22	59.7	61.6	E. S. E.	2700+	1.0	Overcast; stratus	-	-	-	98.2
23	03	23	04	52.4	70.9	S.E. by S.	2700+	0.8	Fine; sun; cumuli; and strati	-	-	-	57.2
23	09	23	10	59.6	63.0	S. E.	—	1.0	Overcast; dark; drizzling rain; nimbus	-	-	-	—
23	15	23	16	60.1	60.9	S. E.	1800	1.0	Overcast; stratus; faint moonlight	-	-	-	72.9
23	21	23	22	60.2	63.4	E. S. E.	2500	1.0	Fair; sun at intervals	-	-	-	59.8
24	03	24	04	60.6	68.0	S. E.	2700	0.7	Fair; sun; large banks of cumuli to N.E; strati to	-	-	-	98.9
24	09	24	10	60.5	62.0	S. E.	—	0.9	Nearly overcast; a few stars in zenith; strati	-	-	-	57.2
SUNDAY.													
25	15	25	16	59.6	60.5	S.E. by E.	1900	1.0	Cloudy; cumulo-strati; very faint moonlight; a few	-	-	-	—
25	21	25	22	60.6	64.0	S. E.	2700	1.0	Cloudy; sun at intervals; cumulo-strati	-	-	-	70.0
26	03	26	04	60.6	63.9	S.E. by E.	2400	1.0	Overcast; dull; stratus	-	-	-	59.9
26	09	26	10	58.3	61.1	S.E. by E.	—	0.4	Clear; stars bright; strati	-	-	-	89.0
26	15	26	16	Rain.	60.8	E. S. E.	—	1.0	Overcast; very dark; rain; nimbus	-	-	-	57.2
26	21	26	22	61.6	62.2	S.E. by E.	1900	1.0	Overcast; stratus	-	-	-	—
27	03	27	04	61.6	67.3	S. E.	2700+	1.0	Overcast; fair; sun at intervals; stratus	-	-	-	67.0
27	09	27	10	60.3	62.0	S.E. by E.	—	1.0	Overcast; dark; a few dim stars; stratus	-	-	-	59.8
27	15	27	16	58.5	60.8	S.E. by S.	—	1.0	Overcast; very dark; stratus	-	-	-	82.9
27	21	27	22	58.8	62.5	S.E. by E.	2700+	1.0	Overcast; dull thick haze; stratus	-	-	-	58.1
28	03	28	04	61.7	66.5	S.E. by S.	2700	1.0	Fair; sun at intervals; cumulo-strati	-	-	-	—
28	09	28	10	58.6	61.4	S. E.	—	0.9	Fair; starlight; strati	-	-	-	70.6
28	15	28	16	58.4	60.4	S.E. by E.	—	1.0	Overcast; very dark; stratus	-	-	-	59.9
28	21	28	22	59.4	63.6	S. E.	2600	1.0	Overcast; thick haze; stratus	-	-	-	96.2
29	03	29	04	59.0	68.2	S. E. by E.	2700+	0.9	Fine; sun; cumulo-strati	-	-	-	59.0
29	09	29	10	58.9	61.7	S. E.	—	1.0	Overcast; dark; stratus	-	-	-	—
29	15	29	16	59.5	60.7	S.E. by S.	—	1.0	Overcast; very dark; stratus	-	-	-	70.6
29	21	29	22	60.3	61.9	S. E.	2400	1.0	Overcast; light mist; stratus	-	-	-	59.8
30	03	30	04	59.1	68.1	S.E. by E.	2700+	0.7	Fair; sun; cumuli; strati	-	-	-	92.5
30	09	30	10	58.9	61.9	S. E.	—	1.0	Overcast; a few stars; strati	-	-	-	59.8
30	15	30	16	58.4	60.9	S. E.	—	1.0	Overcast; very dark; stratus	-	-	-	—
30	21	30	22	57.5	61.9	S.E. by E.	2700+	1.0	Overcast; dull; stratus	-	-	-	68.0
31	03	31	04	59.7	65.1	S.E. by E.	2700+	1.0	Overcast; fair; sun at intervals; strati	-	-	-	59.9
31	09	31	10	56.6	61.6	S.E. by E.	—	1.0	Overcast; dark; stratus	-	-	-	85.1
SUNDAY.													

ST. HELENA, 1843.

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MAGNETICAL OBSERVATIONS.



DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	22.8	24.0	22.0	18.7	14.7	13.5	15.0	16.9	17.2	18.2	18.8	18.7
	3	22.0	22.0	18.9	17.2	15.0	13.7	14.8	17.0	18.6	18.8	18.8	19.0
	4	19.2	22.0	22.9	19.6	16.4	16.0	16.9	17.5	18.2	18.9	19.2	19.6
	5	18.3	19.3	17.2	14.8	14.5	16.0	17.8	17.8	18.2	19.0	19.2	19.2
	6	18.8	18.0	17.0	14.4	13.0	13.9	16.2	18.0	18.8	19.0	19.1	19.8
	7	22.4	22.4	20.9	19.5	16.0	15.2	16.0	17.2	18.0	19.0	19.1	19.6
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	19.8	20.1	19.6	18.1	17.6	14.8	16.0	17.1	17.7	18.4	18.7	18.7
	10	19.4	18.3	18.5	18.9	18.9	17.8	18.0	17.6	18.2	19.0	19.1	19.1
	11	19.2	18.8	16.2	15.5	15.0	14.8	15.4	16.9	16.9	17.5	18.8	18.3
	12	18.9	20.0	18.0	15.2	13.9	14.2	17.0	18.2	18.1	18.7	18.8	18.8
	13	19.7	21.1	20.3	17.8	14.0	13.7	15.0	18.0	19.0	19.0	19.2	19.3
	14	23.8	21.8	19.1	16.3	16.9	16.6	16.7	17.4	18.6	19.0	19.4	19.3
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	18.0	17.7	16.1	13.9	13.1	14.8	16.8	17.7	19.4	20.0	20.2	19.2
	17	18.0	20.9	19.4	18.5	16.9	16.7	16.9	17.4	18.1	19.0	19.2	19.2
	18	19.2	19.1	18.6	17.0	15.9	16.0	16.5	17.0	17.8	18.8	18.6	18.5
	19	17.7	17.3	16.5	16.0	17.2	18.2	17.5	17.1	17.8	18.2	19.0	19.6
	20	19.2	18.2	18.2	18.1	16.7	16.0	16.8	16.7	17.6	18.5	19.0	19.1
	21	18.8	19.8	18.0	17.6	18.0	17.9	17.6	17.9	18.8	19.2	19.4	19.4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	19.9	19.0	17.2	16.0	16.7	16.5	16.8	17.0	18.0	18.9	19.2	19.1
	24	18.9	18.8	16.0	14.9	14.4	16.8	17.8	17.1	18.0	18.8	18.4	18.4
	25	18.3	16.9	14.6	12.1	12.9	14.0	16.9	19.0	19.9	18.9	18.9	18.8
	26	22.8	21.0	17.9	15.2	15.0	16.8	17.5	17.7	17.9	18.4	19.0	18.6
	27	21.7	19.1	17.0	15.8	15.0	16.9	18.8	19.5	19.0	18.9	18.9	19.0
	28	18.9	18.0	17.9	17.2	17.6	15.4	13.2	15.0	16.8	17.7	18.0	18.1
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	19.1	18.5	17.1	17.0	14.7	12.0	12.4	14.7	16.2	16.9	17.2	17.6
	31	18.2	19.0	18.0	20.0	18.4	16.9	15.5	16.7	17.5	17.9	17.9	17.8
Hourly Means	19.73	19.66	18.19	16.74	15.71	15.58	16.38	17.31	18.09	18.64	18.89	18.92	
FEBRUARY.	1	18.0	20.1	16.1	14.9	14.9	14.1	14.7	15.8	16.4	17.3	18.0	18.2
	2	16.0	16.0	17.0	18.2	18.1	17.2	16.8	16.3	17.3	17.8	18.1	18.1
	3	20.1	20.5	18.8	19.1	19.0	18.0	15.9	15.0	17.0	18.4	18.3	18.4
	4	17.5	18.4	18.9	21.4	21.1	19.0	18.5	18.7	19.9	19.9	19.3	19.1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	13.9	15.3	16.2	15.9	16.8	17.9	16.2	15.1	16.1	15.7	15.6	17.8
	7	18.0	20.8	18.5	16.2	17.7	17.4	15.9	16.0	17.0	17.7	18.0	18.2
	8	15.1	16.1	17.1	16.2	16.8	17.0	17.1	17.3	17.7	18.1	18.0	17.7
	9	17.1	18.4	18.2	16.7	16.1	15.7	15.8	16.0	16.9	17.0	17.3	17.8
	10	18.8	19.1	17.5	16.0	16.2	16.8	16.8	16.4	16.4	16.8	17.2	17.4
	11	20.1	22.0	22.0	20.0	18.6	18.4	17.2	17.4	17.4	17.0	17.8	17.9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	18.7	22.8	21.8	17.0	14.0	12.9	14.0	16.1	17.4	17.0	15.4	16.9
	14	17.3	20.3	21.2	20.6	18.6	15.1	14.6	15.0	15.2	15.1	16.0	16.7
	15	17.9	20.3	21.3	20.8	18.0	15.8	15.0	15.2	16.0	16.1	17.0	17.2
	16	15.8	19.5	19.8	18.9	17.9	15.9	15.8	16.2	16.6	16.9	17.1	17.8
	17	15.8	20.2	21.9	20.9	18.9	15.9	14.3	15.5	17.0	17.4	17.5	17.1
	18	11.1	15.0	17.4	18.3	18.9	16.0	14.9	15.0	16.0	16.6	16.9	17.9
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	11.1	16.9	20.9	20.1	18.2	16.1	14.9	14.8	16.2	16.8	16.9	17.0
	21	11.5	17.3	21.0	21.1	20.8	19.4	18.0	17.0	16.7	16.6	16.8	17.1
	22	15.7	15.7	16.5	17.1	17.1	16.9	15.9	16.3	16.6	16.9	17.2	17.1
	23	17.1	18.8	18.0	16.1	14.8	14.9	16.1	16.9	17.0	17.1	17.0	17.5
	24	19.0	20.1	18.4	18.7	16.9	16.0	17.4	18.1	16.6	16.2	15.4	15.5
	25	19.0	20.9	19.1	18.3	17.6	16.9	16.8	16.9	16.6	16.7	16.4	16.4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	15.6	18.8	19.9	20.9	20.2	18.0	17.2	17.1	17.2	17.3	17.2	16.9
	28	12.1	17.2	18.9	16.8	16.0	16.1	16.9	16.9	17.2	17.3	17.7	17.8
Hourly Means	16.34	18.77	19.02	18.34	17.63	16.56	16.11	16.29	16.85	17.07	17.17	17.48	

DECLINATION.												
Zero Scale Division = 52.0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
19.0	18.2	17.9	17.5	17.0	16.2	15.9	15.2	15.0	16.0	18.0	20.1	17.77
18.8	18.3	18.1	17.8	17.6	16.9	16.4	15.7	17.0	18.8	20.3	19.4	17.95
19.1	18.9	18.7	18.3	17.7	17.0	16.7	16.8	16.3	16.2	16.2	16.9	18.13
19.2	19.1	19.2	19.1	18.4	18.0	18.0	18.0	16.4	16.4	17.0	17.7	17.83
19.3	19.1	19.2	18.2	17.9	16.6	17.0	18.3	17.9	18.1	20.2	21.2	17.88
—	—	—	—	—	—	—	—	—	—	—	—	—
19.4	19.2	18.8	18.8	18.5	17.9	17.9	18.0	17.1	17.5	18.6	18.6	18.57
19.0	19.0	18.7	18.9	18.7	18.1	18.1	18.9	19.0	18.8	19.4	19.9	18.46
18.3	18.2	18.8	18.2	17.5	17.3	17.1	17.1	17.1	17.3	18.1	19.6	18.23
18.8	18.8	18.3	18.6	17.8	17.2	16.6	16.0	15.1	16.0	16.9	17.5	17.12
18.9	18.7	18.1	17.7	17.3	17.5	16.9	16.0	15.0	16.1	17.1	18.7	17.41
19.2	18.9	18.2	17.3	17.6	17.0	16.9	15.9	16.6	18.7	20.8	22.2	18.14
—	—	—	—	—	—	—	—	—	—	—	—	—
19.1	18.9	18.6	17.9	17.4	17.1	16.9	15.9	14.1	16.4	19.2	19.9	18.18
19.9	19.0	18.8	18.1	18.0	17.8	16.5	16.9	15.9	15.1	15.1	16.8	17.28
19.2	19.2	18.7	18.4	17.8	17.0	16.3	15.7	15.3	16.6	17.6	18.1	17.92
18.8	18.4	18.5	18.0	18.0	17.7	18.0	18.0	16.2	16.8	16.7	17.0	17.71
20.0	19.5	18.9	18.8	18.2	18.0	17.5	16.8	15.8	16.1	18.2	20.3	17.93
19.1	19.0	18.6	18.7	18.3	17.9	17.6	16.1	14.7	15.0	15.7	16.0	17.53
—	—	—	—	—	—	—	—	—	—	—	—	—
19.5	19.1	18.6	18.4	17.4	17.0	17.5	17.1	17.2	18.0	19.2	20.1	18.40
19.6	19.1	18.8	18.2	17.6	17.6	17.0	16.9	16.0	16.2	17.6	18.2	17.80
18.2	17.9	17.8	18.1	17.7	17.1	16.6	17.0	16.1	15.3	16.9	17.9	17.29
18.9	18.9	18.2	17.8	17.7	17.1	17.0	15.9	15.6	18.1	20.1	21.9	17.43
18.4	18.2	18.0	17.8	17.8	17.1	16.9	15.3	15.2	16.0	18.7	21.2	17.85
19.2	18.9	17.9	17.0	16.2	16.0	16.0	15.0	14.9	16.0	18.8	20.5	17.75
—	—	—	—	—	—	—	—	—	—	—	—	—
18.7	17.4	16.7	16.0	14.8	15.8	15.8	14.7	13.8	15.8	18.3	20.1	16.74
17.4	17.2	17.0	16.9	15.9	15.6	15.9	14.7	12.5	13.6	15.0	17.4	15.94
17.9	17.6	17.5	16.9	16.8	16.4	16.6	16.0	14.3	14.8	16.2	17.3	17.17
18.96	18.63	18.28	17.91	17.47	17.06	16.86	16.41	15.73	16.54	18.02	19.14	
17.4	18.0	17.9	17.4	17.3	16.8	16.3	15.9	13.5	13.1	16.6	17.1	16.49
17.9	17.9	17.8	17.4	16.9	16.4	15.7	15.2	14.2	14.4	14.1	16.1	16.70
18.3	18.6	17.7	17.4	17.1	16.6	16.2	15.4	12.6	11.4	13.0	16.0	17.03
—	—	—	—	—	—	—	—	—	—	—	—	—
19.1	17.9	17.4	16.7	16.8	16.0	15.9	15.8	14.3	10.5	8.6	10.3	17.13
17.5	17.5	17.0	17.4	17.0	16.3	15.9	15.3	13.6	12.0	12.2	14.0	15.76
18.0	17.9	17.3	17.2	17.2	16.8	16.7	16.9	14.7	13.0	12.9	13.9	16.83
17.0	17.1	16.7	16.8	16.4	16.4	16.1	15.3	12.1	11.0	13.2	14.6	16.12
17.9	17.4	17.2	16.6	16.8	16.8	16.0	15.0	13.1	12.7	13.9	15.9	16.35
17.2	17.2	17.2	17.1	16.9	16.6	16.1	15.6	14.1	15.8	17.5	18.8	16.90
—	—	—	—	—	—	—	—	—	—	—	—	—
18.0	17.9	17.4	16.9	17.2	16.0	15.7	15.0	11.5	8.2	10.4	15.6	16.90
17.4	17.8	16.4	16.0	15.9	15.1	14.9	14.9	13.6	12.0	12.5	14.9	16.06
16.8	17.2	16.3	16.0	16.3	15.5	15.6	14.8	12.0	10.9	12.0	15.3	16.02
17.9	17.2	17.5	17.2	16.8	16.0	16.0	16.0	13.9	11.9	12.2	13.9	16.55
17.4	17.1	16.8	16.9	16.7	16.1	16.0	15.9	13.1	9.9	8.1	9.8	15.92
17.4	17.8	17.9	17.0	16.6	16.8	16.1	16.1	14.1	10.8	8.5	9.0	16.27
—	—	—	—	—	—	—	—	—	—	—	—	—
18.0	16.6	16.3	16.0	15.8	15.8	16.8	17.1	16.5	13.3	11.0	10.1	15.72
16.8	18.3	17.2	17.0	16.9	16.6	16.0	16.9	15.0	11.9	10.0	9.1	15.90
17.1	17.0	16.5	16.7	16.4	16.6	16.8	17.0	17.0	16.0	15.0	15.1	17.10
17.0	17.1	16.8	16.9	17.0	16.5	17.0	16.1	14.0	11.1	11.5	13.4	15.98
17.4	17.0	16.9	16.4	16.3	16.1	15.7	15.8	13.1	9.2	11.9	17.2	16.01
15.2	15.6	14.9	14.9	13.6	14.3	14.9	13.6	11.8	10.8	10.9	14.0	15.53
—	—	—	—	—	—	—	—	—	—	—	—	—
16.2	16.7	16.2	15.7	15.6	15.8	16.0	16.0	14.0	11.3	10.4	11.8	16.14
16.8	16.8	16.2	16.0	16.0	16.0	15.8	16.7	13.2	9.0	6.0	7.7	15.94
17.0	16.8	16.4	16.2	16.2	16.2	16.1	16.8	14.7	15.2	10.9	10.9	16.01
17.36	17.35	16.91	16.66	16.49	16.17	16.01	15.79	13.74	11.89	11.80	13.52	

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	15.0	18.0	20.9	20.3	18.9	17.8	16.6	16.0	17.0	17.0	17.1	17.3
	2	16.9	19.0	21.1	22.8	20.3	17.1	16.9	17.0	17.0	17.2	17.4	17.5
	3	17.0	19.2	21.4	22.9	18.4	17.0	16.1	16.8	17.3	17.3	17.2	17.6
	4	17.2	20.9	23.1	22.1	20.8	18.7	16.8	16.0	16.2	16.2	16.8	16.9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	14.9	18.9	19.9	19.2	18.7	17.0	16.4	15.9	16.2	16.4	15.5	15.8
	7	14.5	14.9	16.6	15.7	13.9	12.1	11.9	13.1	13.2	14.5	14.8	15.1
	8	15.0	16.0	17.2	17.2	16.9	16.1	16.0	16.1	16.2	16.3	16.4	16.5
	9	14.2	17.3	19.9	19.2	18.0	17.8	17.9	17.4	16.8	16.8	17.4	17.2
	10	16.4	18.4	18.7	17.4	16.0	16.5	17.2	16.1	16.1	16.9	16.9	16.4
	11	15.9	19.0	19.6	18.0	16.3	16.4	16.8	17.0	16.4	17.0	17.0	16.9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	13.2	15.1	16.2	16.0	15.3	15.9	15.8	16.5	16.0	16.9	16.9	16.9
	14	16.8	18.6	19.3	18.1	16.2	16.0	16.0	16.9	16.7	16.7	16.7	16.8
	15	15.0	16.4	17.5	18.0	17.2	16.9	16.6	16.8	16.4	16.2	16.9	17.0
	16	13.0	16.3	17.4	17.0	15.0	13.2	14.3	16.2	16.2	16.1	16.5	16.5
	17	17.3	18.2	18.9	19.3	16.4	15.3	15.1	15.9	15.9	15.9	16.0	16.2
	18	18.8	19.6	18.3	16.2	12.9	13.0	13.9	14.8	15.7	16.0	15.0	15.8
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	12.8	14.9	16.9	17.5	15.8	13.3	13.1	15.0	16.0	16.0	15.8	16.3
	21	16.2	18.8	18.3	17.1	14.7	14.0	13.9	14.4	15.0	16.0	15.8	16.0
	22	15.0	16.0	16.8	15.8	14.1	15.0	15.8	16.8	16.8	16.7	16.3	16.2
	23	18.8	20.0	19.5	18.6	17.3	16.6	16.0	16.1	16.0	16.2	16.2	16.7
	24	17.9	20.0	20.2	20.0	18.4	16.8	17.2	16.8	16.9	16.8	16.9	16.9
	25	15.1	17.9	18.9	16.1	15.2	15.5	16.5	16.5	16.4	16.6	16.8	17.0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	15.9	18.0	16.9	15.6	16.0	16.2	16.4	17.0	17.1	17.1	17.1	17.0
	28	17.1	19.0	18.1	16.2	14.9	15.1	16.1	16.6	16.7	17.0	17.1	17.0
	29	22.1	23.9	23.0	20.0	16.1	16.1	17.1	16.1	15.0	14.5	14.0	15.5
	30	18.2	20.1	20.6	18.4	16.0	14.3	14.7	15.2	15.2	16.1	16.0	16.0
	31	19.8	22.8	21.5	18.1	15.9	15.6	16.0	17.0	16.8	16.8	16.9	16.9
Hourly Means	16.30	18.41	19.14	18.18	16.50	15.75	15.82	16.15	16.19	16.41	16.42	16.59	
APRIL.	1	17.5	18.0	17.3	16.4	15.9	15.4	15.0	16.0	16.4	16.6	16.9	17.0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	18.3	20.1	19.0	16.1	14.1	14.2	15.4	15.4	15.8	15.7	15.7	16.0
	4	18.9	21.0	20.0	18.0	16.8	16.9	16.0	15.2	15.9	16.0	16.1	16.2
	5	17.7	20.4	21.1	19.9	17.0	16.0	13.8	12.4	12.7	11.1	10.2	9.9
	6	13.7	13.3	11.5	12.5	11.7	11.2	11.0	12.9	14.7	13.8	12.0	12.1
	7	16.0	17.1	16.2	14.1	13.2	12.6	13.0	14.9	14.4	15.0	15.0	15.1
	8	13.2	15.8	13.8	13.7	12.8	12.9	12.4	14.8	14.3	14.0	14.1	14.8
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	18.0	19.2	17.7	15.8	15.7	15.8	15.3	15.9	15.5	15.5	15.4	15.3
	11	18.0	19.0	18.8	17.8	16.7	16.5	16.6	16.1	15.1	16.0	16.0	16.0
	12	18.4	21.0	19.6	18.3	17.8	15.7	12.0	13.4	13.5	13.8	15.2	15.5
	13	17.5	18.2	16.3	15.4	13.8	12.9	13.3	15.2	15.4	15.4	15.5	15.4
	14	18.9	18.9	16.0	14.9	14.9	13.6	12.6	13.9	13.9	14.2	15.0	15.0
	15	18.9	20.0	17.9	16.0	14.6	13.0	12.6	14.4	14.9	14.9	15.0	15.5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	15.2	16.8	15.1	14.4	14.2	14.0	14.2	14.7	15.3	15.8	15.9	16.6
	18	14.4	16.0	15.8	15.2	15.0	14.6	14.4	14.8	15.9	15.2	14.9	15.1
	19	13.8	14.5	14.1	14.0	13.8	13.2	13.7	14.9	15.8	15.8	15.7	15.9
	20	13.6	17.0	17.1	17.0	16.9	15.5	14.9	15.2	15.7	16.0	16.0	16.0
	21	13.0	15.5	14.9	14.0	14.2	15.0	15.3	15.2	15.8	16.0	16.0	16.0
	22	14.9	17.9	18.1	17.0	16.1	15.5	15.3	15.1	15.9	15.8	15.5	15.9
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	13.8	16.2	15.9	15.0	14.5	14.8	15.1	14.9	15.1	15.3	15.3	15.7
	25	16.0	16.6	15.0	13.1	13.9	14.8	15.2	15.3	15.4	15.5	15.9	16.0
	26	15.4	16.2	16.0	15.0	15.4	15.4	15.2	14.2	14.8	14.8	15.0	15.0
	27	17.3	19.2	16.8	14.1	13.6	14.0	14.2	14.8	14.8	14.8	15.0	15.0
	28	16.0	16.8	16.0	14.7	14.0	14.4	14.6	14.7	14.5	14.8	15.0	15.2
	29	16.0	17.1	16.0	14.8	14.1	13.4	13.2	14.1	14.9	15.1	15.0	15.8
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	16.18	17.67	16.64	15.49	14.83	14.45	14.17	14.74	15.06	15.08	15.09	15.28	

DECLINATION.												
Zero Scale Division = 52.0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
17.4	17.3	17.0	16.5	16.8	16.1	16.0	16.9	16.0	13.0	12.5	13.3	16.70
17.5	17.3	16.8	16.6	16.9	16.8	16.9	17.1	15.8	16.8	10.0	12.6	17.14
17.8	17.8	17.7	17.4	17.2	17.2	16.9	16.9	15.5	12.7	12.2	13.8	17.05
—	—	—	—	—	—	—	—	—	—	—	—	16.95
16.8	17.2	17.1	16.4	16.9	16.9	16.9	16.3	14.9	12.4	11.3	11.9	16.23
15.1	14.5	13.4	15.0	14.0	15.8	15.8	16.3	15.6	12.8	12.0	12.7	15.74
15.1	15.3	15.7	16.6	16.5	16.3	16.1	16.9	16.7	14.3	13.7	14.0	14.90
16.2	16.3	16.1	16.0	16.4	16.4	16.2	16.4	14.8	10.9	10.1	12.0	15.57
17.0	16.8	16.8	16.5	16.9	16.2	15.8	16.2	15.2	14.1	13.3	14.4	16.63
16.2	16.0	15.9	16.0	16.2	16.7	16.7	16.8	14.0	11.2	11.0	12.5	15.93
—	—	—	—	—	—	—	—	—	—	—	—	15.95
17.0	15.8	16.4	15.7	15.8	15.5	16.0	15.6	14.2	12.4	11.1	10.9	15.97
16.8	17.0	17.1	17.1	17.2	16.2	16.3	17.5	16.0	13.9	13.2	14.2	16.20
17.0	16.7	16.7	16.2	16.7	16.3	17.1	17.2	15.0	12.5	11.0	11.6	15.95
17.0	16.8	16.9	16.0	16.1	16.1	16.7	17.9	17.0	12.9	9.6	9.0	16.01
16.8	16.9	16.1	16.4	16.0	16.2	16.5	17.8	17.9	15.9	14.9	15.2	16.35
16.4	16.0	16.9	15.8	16.0	15.8	16.0	16.8	16.8	14.8	14.9	15.9	15.28
—	—	—	—	—	—	—	—	—	—	—	—	15.92
16.5	15.9	15.9	15.7	15.8	15.3	15.5	16.2	14.9	12.1	10.8	12.2	15.21
16.3	16.7	16.1	16.0	16.0	16.1	16.1	16.0	14.8	12.1	12.0	13.4	15.44
16.0	16.1	16.7	16.7	15.8	15.2	15.6	16.1	15.0	12.0	11.3	13.9	15.58
15.9	15.6	16.0	15.1	14.9	15.1	14.7	15.7	15.3	14.2	13.1	16.9	16.56
16.8	16.9	16.8	16.4	15.8	16.4	16.0	16.2	16.0	13.7	13.4	14.9	16.59
16.8	16.8	16.4	16.0	16.0	16.1	15.8	16.1	15.1	13.0	12.3	13.0	15.82
—	—	—	—	—	—	—	—	—	—	—	—	16.30
17.0	17.1	16.4	16.1	16.1	16.0	16.0	16.8	14.9	11.7	10.7	12.3	16.31
17.2	17.0	16.9	16.9	16.4	16.7	16.9	17.3	15.9	13.2	12.5	14.0	16.33
17.0	17.1	17.1	16.6	16.4	16.3	16.2	16.0	14.4	12.3	12.1	19.1	16.06
15.9	16.1	16.1	16.0	15.9	15.6	15.8	15.6	13.5	11.8	12.1	14.1	16.50
16.0	16.3	15.9	15.8	15.7	16.0	15.5	15.9	14.9	13.3	13.5	15.9	16.50
17.0	17.1	16.7	16.7	16.4	16.5	16.2	16.7	15.0	11.0	9.9	12.8	15.76
—	—	—	—	—	—	—	—	—	—	—	—	16.16
17.2	17.6	17.3	17.2	17.0	16.7	15.3	16.0	14.9	13.0	12.1	15.2	16.22
16.2	16.9	17.1	16.3	16.3	16.2	16.0	17.0	16.5	14.8	13.6	16.5	16.52
16.8	17.0	17.0	17.0	16.9	17.0	17.0	17.0	15.0	12.7	12.0	14.0	14.62
11.3	11.6	14.0	13.0	14.2	14.4	15.0	16.1	15.8	14.8	14.3	14.1	13.43
13.1	14.1	16.1	16.0	14.9	16.3	15.9	15.8	13.3	12.3	11.3	12.9	14.83
15.6	17.0	16.1	16.2	17.7	17.2	16.9	17.0	14.9	11.2	9.2	10.4	14.68
—	—	—	—	—	—	—	—	—	—	—	—	15.78
16.0	15.4	15.8	16.6	17.0	16.2	16.7	16.3	14.9	13.0	13.1	14.6	16.20
15.7	15.8	16.2	16.0	15.9	15.8	15.8	15.8	14.2	13.5	13.9	15.1	15.78
15.9	15.8	15.6	15.8	15.9	16.1	15.9	16.1	15.1	14.2	14.0	15.8	15.78
15.1	15.4	14.9	15.3	15.3	15.2	16.0	16.8	16.5	14.9	14.0	15.2	16.09
16.0	16.0	15.7	15.7	16.1	16.1	16.9	19.2	18.0	16.9	17.1	18.2	15.47
16.0	15.9	15.3	15.0	15.4	15.3	15.9	15.9	16.2	15.3	16.2	17.0	15.75
—	—	—	—	—	—	—	—	—	—	—	—	15.28
16.9	16.6	16.4	16.3	16.3	16.8	16.5	16.4	15.8	14.8	13.6	13.9	15.38
16.8	16.9	15.8	16.1	16.2	16.0	16.1	16.0	15.9	14.2	12.5	12.0	14.90
15.9	15.1	15.5	15.3	16.2	16.6	16.9	17.5	17.9	16.1	12.9	12.1	15.68
16.0	16.0	16.0	16.0	16.2	16.2	16.6	16.9	17.0	13.6	11.1	10.8	15.41
16.1	16.1	17.0	16.6	17.0	17.0	17.0	16.8	16.2	13.5	11.0	11.0	15.50
16.0	16.0	16.0	16.0	16.0	16.1	16.2	16.8	17.0	15.2	14.0	13.6	14.63
—	—	—	—	—	—	—	—	—	—	—	—	14.91
16.0	16.0	15.9	16.0	16.1	16.1	16.0	16.2	16.0	14.0	10.9	9.9	15.08
15.7	15.3	15.4	15.2	15.2	15.2	15.0	15.1	16.0	12.8	8.6	10.1	15.09
16.4	16.0	15.9	15.5	15.7	15.2	15.2	15.0	14.9	12.2	10.7	12.4	14.96
15.2	15.6	15.1	15.1	15.4	15.2	16.0	16.1	16.2	14.8	11.9	12.8	14.76
15.0	15.0	15.3	15.2	15.3	15.8	16.1	16.8	16.2	12.7	11.6	13.5	14.87
15.0	14.9	14.8	14.7	14.8	14.9	15.8	15.8	17.1	14.9	12.8	12.9	14.76
—	—	—	—	—	—	—	—	—	—	—	—	15.50
15.9	15.4	15.1	15.2	15.1	15.2	15.2	15.8	15.1	12.9	11.8	12.0	14.63
—	—	—	—	—	—	—	—	—	—	—	—	14.91
15.67	15.74	15.81	15.73	15.92	15.95	16.08	16.41	15.86	13.93	12.57	13.44	14.87

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	14.4	14.8	13.5	12.3	12.7	13.7	14.2	14.4	14.4	15.2	15.4	15.2
	2	15.0	15.2	14.0	13.1	14.0	15.0	14.6	14.4	14.2	14.2	14.2	14.8
	3	15.2	16.4	16.3	15.9	14.6	15.5	14.9	14.6	14.8	14.8	14.9	15.0
	4	15.3	17.0	15.3	13.5	14.0	14.6	14.1	14.2	14.5	14.8	15.0	15.0
	5	12.2	17.0	16.7	15.7	14.8	15.0	14.2	14.0	14.0	14.9	15.1	15.2
	6	15.2	17.6	17.9	17.9	17.4	16.9	15.2	14.2	13.8	13.8	12.0	6.0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	11.0	11.9	11.6	11.9	11.7	11.2	11.8	12.1	12.8	12.4	12.0	12.1
	9	12.8	12.0	11.8	11.1	11.6	12.5	12.2	12.7	12.2	12.2	13.1	12.9
	10	12.2	11.9	13.0	11.7	11.7	12.9	12.3	12.9	12.2	12.0	12.5	13.0
	11	15.9	15.7	14.3	14.3	14.4	13.4	12.9	13.0	13.0	13.0	13.2	13.5
	12	12.0	12.3	12.3	11.9	12.5	12.8	12.6	12.9	13.2	13.2	13.3	13.9
	13	13.0	13.9	13.9	14.9	14.0	13.9	12.5	12.8	13.3	13.2	14.0	14.0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	17.4	19.1	17.8	16.0	15.3	14.8	12.9	13.9	13.0	11.8	13.0	13.9
	16	14.8	16.8	15.5	15.0	15.3	14.7	12.6	12.4	12.9	13.0	13.0	14.1
	17	13.4	14.9	16.9	16.9	15.1	14.8	13.3	13.2	13.3	13.3	13.9	14.5
	18	13.3	14.0	14.2	14.8	14.3	14.0	13.2	13.8	14.0	14.6	14.3	14.6
	19	11.2	11.1	11.8	13.1	14.3	13.5	13.2	13.8	13.8	13.8	13.9	14.0
	20	13.9	14.4	14.8	16.6	15.6	14.3	13.8	13.8	14.2	14.7	14.6	15.0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	14.5	14.8	13.9	14.8	15.2	16.1	15.0	14.2	14.8	14.7	14.8	14.8
	23	11.1	10.0	10.2	12.9	14.9	15.6	14.1	14.1	14.1	14.2	14.3	14.5
	24	13.1	13.7	14.8	14.7	15.0	14.4	14.0	13.9	14.4	14.4	14.7	14.8
	25	14.8	14.2	12.7	13.7	13.9	13.9	13.6	13.9	14.1	14.4	14.8	14.4
	26	14.2	13.8	13.9	15.9	15.5	15.1	13.8	13.9	14.4	14.1	14.8	15.4
	27	14.6	13.5	13.0	13.3	14.3	14.6	13.5	13.0	13.9	13.8	14.0	14.8
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	17.0	17.6	18.0	18.0	17.1	15.4	13.8	13.3	14.3	14.3	14.9	14.7
	30	14.6	14.9	15.0	16.1	16.4	15.7	14.0	14.0	14.2	14.2	14.9	15.0
	31	14.0	14.6	15.6	16.4	15.0	14.0	14.0	14.1	14.5	15.0	15.1	15.1
Hourly Means	13.93	14.56	14.39	14.53	14.47	14.38	13.57	13.61	13.79	13.85	14.06	14.08	
JUNE.	1	16.9	17.1	18.0	17.1	16.8	15.5	14.8	14.2	15.2	15.2	14.8	14.9
	2	15.1	15.8	15.7	16.7	15.9	15.1	13.7	14.0	14.3	14.6	14.9	14.5
	3	15.2	14.9	14.0	14.1	14.8	13.9	12.8	12.7	13.0	13.7	14.2	14.9
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	12.9	13.7	14.6	14.7	14.7	12.2	12.0	12.8	13.1	13.2	13.7	13.9
	6	11.4	13.0	13.7	13.2	13.0	13.2	13.0	13.4	13.9	13.5	14.0	14.1
	7	12.7	13.1	13.4	13.9	14.4	13.8	12.8	11.9	12.9	12.9	14.0	13.5
	8	13.6	13.9	14.0	15.0	14.8	13.4	12.0	12.6	13.1	13.3	13.1	14.0
	9	13.6	14.1	14.6	15.0	14.2	13.0	12.3	12.4	12.8	13.2	13.5	13.8
	10	14.8	15.2	14.1	15.0	15.2	13.0	12.0	12.0	12.7	12.8	12.9	13.0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	13.0	13.1	14.0	14.4	13.6	12.3	11.0	11.9	12.4	12.8	13.3	12.9
	13	14.0	13.9	12.9	12.0	12.1	11.3	11.0	12.1	11.9	12.3	12.9	13.9
	14	15.0	15.2	15.0	14.0	13.3	13.2	12.7	12.7	12.9	13.1	13.5	13.9
	15	13.9	14.0	14.1	14.7	14.0	13.0	12.8	12.4	13.0	12.9	13.2	13.6
	16	13.0	15.9	16.0	16.5	15.4	13.2	12.8	12.5	13.0	13.0	13.1	13.2
	17	11.8	13.8	14.0	13.3	13.1	12.1	12.3	12.9	13.4	13.0	13.2	13.8
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	14.0	14.0	15.9	15.9	15.9	14.9	13.3	13.0	12.8	13.1	13.0	13.2
	20	12.0	12.9	13.9	13.9	14.0	13.7	12.6	13.0	13.2	12.9	14.4	14.0
	21	13.5	14.2	14.3	14.9	14.7	13.9	13.0	13.0	13.5	13.8	13.8	13.1
	22	12.1	13.8	14.0	13.2	13.2	13.6	12.8	12.6	13.0	13.2	13.3	14.2
	23	13.0	14.7	13.3	13.6	13.2	12.7	12.5	13.0	14.0	14.2	14.3	14.4
	24	12.9	14.0	14.8	14.8	15.0	13.2	12.6	12.9	13.0	13.4	13.9	14.0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	11.4	12.8	13.0	13.2	13.3	11.9	11.2	12.1	12.8	12.9	13.3	13.7
	27	9.9	13.0	12.0	12.5	12.8	12.9	12.9	12.5	12.8	13.0	13.4	13.5
	28	11.9	10.8	11.9	12.9	13.3	11.9	11.4	12.5	12.9	13.0	13.3	13.5
	29	13.9	14.7	15.0	15.0	13.9	13.1	13.1	12.9	13.1	13.5	13.5	13.5
	30	12.2	12.9	14.0	14.1	11.2	10.0	10.0	11.0	10.5	11.0	12.3	12.0
	Hourly Means	13.22	14.02	14.24	14.37	14.07	13.08	12.44	12.65	13.05	13.21	13.57	13.73

DECLINATION.												
Zero Scale Division = 52° 0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
15.2	15.3	15.4	15.1	15.1	15.2	15.3	15.7	16.3	14.9	13.0	12.8	14.56
15.0	15.1	15.1	15.1	15.1	15.2	15.3	15.3	15.0	13.1	12.3	12.7	14.46
15.0	15.5	15.0	15.6	15.3	15.3	15.7	16.1	16.3	14.1	12.3	12.0	15.04
15.0	15.0	15.5	15.5	15.1	15.2	15.4	15.9	16.0	12.8	10.0	10.0	14.53
15.1	15.4	15.2	15.9	15.8	16.0	15.9	15.9	15.1	12.9	12.0	13.9	14.91
—	—	—	—	—	—	—	—	—	—	—	—	—
3.8	12.3	12.5	12.8	12.8	13.9	14.9	15.0	15.0	13.9	12.0	10.5	13.64
13.0	13.1	13.3	13.4	14.0	13.3	14.0	14.6	15.3	14.1	12.8	12.7	12.75
13.0	13.0	13.4	13.8	14.4	14.7	15.0	16.2	15.0	12.7	10.2	10.8	12.89
14.0	13.9	13.8	14.0	14.4	15.0	15.0	15.4	16.2	14.3	13.9	14.3	13.44
13.9	14.3	14.2	14.3	14.2	14.2	14.0	14.7	15.2	14.0	13.2	12.5	13.97
14.1	14.1	14.4	14.2	14.4	14.1	14.9	15.2	16.0	14.5	13.0	12.8	13.53
—	—	—	—	—	—	—	—	—	—	—	—	—
14.1	14.3	14.8	15.0	15.2	15.8	16.0	17.0	18.0	16.0	14.7	15.1	14.56
14.0	14.0	13.6	12.8	14.1	14.0	13.3	14.8	16.5	15.0	14.2	15.1	14.60
14.0	14.9	14.9	15.1	14.8	14.8	14.4	15.0	15.6	14.1	13.0	13.0	14.28
14.7	14.9	14.8	15.6	14.8	14.9	15.1	16.0	16.6	16.0	13.9	13.2	14.75
14.9	15.0	15.1	14.6	15.1	14.3	15.2	15.8	17.8	17.0	14.5	12.3	14.61
14.4	14.4	14.6	14.2	14.7	14.9	15.0	15.6	17.1	15.9	14.0	12.9	13.97
—	—	—	—	—	—	—	—	—	—	—	—	—
15.0	14.9	14.8	14.8	15.0	15.1	16.0	16.9	18.0	16.1	14.7	13.9	15.04
15.4	15.6	15.9	15.9	15.8	16.0	16.5	17.0	18.1	17.0	14.5	12.9	15.34
15.0	15.0	15.0	15.5	15.9	15.9	16.0	16.4	17.5	16.3	15.2	13.5	14.47
14.7	15.0	15.2	15.1	15.0	15.3	16.1	17.2	17.9	16.3	14.9	14.1	14.95
14.7	15.0	15.1	14.9	15.0	15.1	15.6	16.9	18.9	18.0	16.1	14.8	14.94
15.3	15.8	15.2	15.2	14.9	14.9	15.9	17.1	19.0	18.8	17.0	15.0	15.37
—	—	—	—	—	—	—	—	—	—	—	—	—
14.9	15.4	15.5	15.3	15.3	15.2	16.0	17.0	18.7	18.3	17.0	15.9	15.03
15.0	15.1	14.8	15.0	14.1	14.0	15.2	15.7	16.7	16.7	15.2	14.2	15.42
15.1	15.3	15.1	14.8	15.2	15.5	15.8	16.0	17.0	15.9	15.5	15.1	15.22
15.0	15.1	15.1	15.0	15.0	15.0	15.0	15.9	18.1	18.0	17.0	17.8	15.39
14.19	14.69	14.71	14.76	14.83	14.92	15.28	15.94	16.77	15.43	13.93	13.47	
15.2	15.1	14.8	14.7	14.9	15.1	15.8	16.2	17.4	16.1	13.5	14.0	15.55
15.0	15.0	15.6	15.0	15.5	15.5	15.9	16.5	19.7	20.8	18.9	16.4	15.84
—	—	—	—	—	—	—	—	—	—	—	—	—
14.0	14.8	14.9	14.6	15.7	15.4	15.3	15.6	17.0	14.5	12.7	13.0	14.40
14.3	14.9	14.8	15.0	14.9	14.9	15.4	15.3	16.8	14.8	12.6	11.7	14.04
14.3	14.8	14.8	15.0	14.3	14.5	14.5	15.4	16.9	14.4	11.8	11.9	13.83
12.8	13.6	13.3	14.8	14.5	14.8	15.6	16.0	16.4	15.5	13.0	13.1	13.86
13.9	13.9	13.8	13.9	13.8	14.3	14.1	15.2	16.2	15.1	13.0	12.3	13.85
14.0	14.0	14.2	14.8	15.0	15.0	16.0	17.8	18.8	17.7	15.3	14.2	14.55
—	—	—	—	—	—	—	—	—	—	—	—	—
14.0	13.1	14.3	14.7	14.8	14.1	14.1	14.1	16.1	15.8	14.2	13.1	13.96
13.4	12.7	13.9	13.9	13.7	14.0	14.2	14.6	16.0	15.6	13.9	13.0	13.48
14.0	14.0	14.1	13.9	14.0	14.1	14.0	14.1	15.0	14.2	12.7	14.9	13.30
13.9	13.9	14.0	14.1	14.0	14.0	14.5	15.0	16.8	16.1	14.5	13.1	14.10
14.1	13.8	13.7	13.9	13.5	13.9	14.8	15.2	16.5	16.2	14.2	13.2	13.94
13.8	13.7	13.8	13.8	13.9	14.0	14.3	15.3	16.2	15.1	12.0	10.8	13.83
—	—	—	—	—	—	—	—	—	—	—	—	—
13.9	14.1	14.1	14.3	14.4	14.9	14.9	15.1	16.2	15.0	13.5	12.8	13.74
13.5	14.0	14.0	14.2	14.9	15.0	15.0	15.9	17.1	15.7	12.9	12.0	14.30
14.1	14.1	14.1	14.7	14.5	14.6	14.7	15.7	16.3	14.9	13.2	12.6	13.92
13.7	13.7	13.8	14.1	14.2	14.7	14.8	15.3	17.3	16.8	14.0	12.2	14.18
14.6	14.8	15.0	14.7	15.0	15.0	14.8	15.0	16.0	14.5	12.5	11.9	13.94
14.3	14.8	15.2	15.2	14.9	14.6	14.6	14.9	16.3	16.2	13.6	12.0	14.15
—	—	—	—	—	—	—	—	—	—	—	—	—
14.1	14.2	14.0	14.2	13.2	13.5	14.0	14.8	16.0	14.9	12.8	12.0	13.84
14.0	14.1	14.1	14.2	14.1	14.0	14.2	15.0	16.9	15.0	12.0	10.9	13.34
13.9	14.0	14.0	13.9	13.9	13.8	14.0	14.9	17.0	16.0	13.4	11.9	13.38
13.4	13.9	14.1	14.5	14.1	14.0	14.5	15.0	15.0	14.2	13.1	13.1	13.26
13.7	13.5	13.7	13.8	13.9	13.3	13.5	13.5	14.9	13.7	11.5	11.0	13.55
12.9	13.2	13.2	13.0	13.0	14.9	14.9	15.1	16.0	15.1	14.5	14.0	12.96
13.95	14.07	14.20	14.34	14.33	14.46	14.71	15.25	16.57	15.53	13.43	12.73	

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen } Time. }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
JULY.	1	13.2	13.2	12.2	12.0	11.4	10.4	10.7	10.9	11.2	12.1	12.5	13.5
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	14.8	14.4	13.5	13.0	12.0	11.9	11.2	11.7	12.1	12.4	13.5	12.8
	4	14.4	13.3	11.7	12.9	14.2	12.3	12.0	12.1	12.2	12.7	13.0	13.1
	5	14.1	14.1	14.2	15.0	15.1	13.8	13.0	12.8	13.0	13.0	13.1	13.3
	6	12.0	13.0	12.9	13.5	14.4	13.0	12.5	12.8	13.3	13.3	13.3	13.6
	7	11.7	12.8	12.5	13.7	14.6	13.2	11.9	11.5	11.5	11.8	12.0	12.6
	8	14.1	13.3	12.1	12.2	11.3	11.0	10.4	10.4	11.3	11.2	12.1	12.1
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	14.2	15.8	15.0	14.1	15.0	14.3	11.0	10.5	11.0	11.9	12.2	12.5
	11	11.8	14.0	13.6	13.1	13.3	12.4	11.9	12.0	11.8	11.9	11.9	11.8
	12	14.0	13.6	12.5	14.0	14.0	13.5	12.9	12.5	13.0	13.0	13.3	13.4
	13	14.9	14.9	14.2	13.2	13.3	12.7	11.7	11.9	11.9	12.2	12.3	13.5
	14	11.8	10.9	12.4	12.8	13.2	11.3	10.7	11.8	11.8	11.9	13.0	13.1
	15	15.5	16.0	14.9	15.0	14.8	13.8	11.8	11.8	12.0	12.8	13.3	13.2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	14.8	17.2	17.4	15.3	13.2	12.1	11.2	12.4	12.1	12.4	12.3	13.0
	18	9.2	10.7	11.2	11.4	12.0	11.5	7.5	8.6	9.0	9.5	10.0	10.0
	19	8.1	9.1	9.5	9.0	9.9	9.0	9.2	9.2	9.4	9.9	10.3	10.1
	20	10.2	12.1	12.0	11.4	11.1	10.1	9.1	9.0	9.6	9.8	10.0	10.2
	21	9.2	8.5	10.6	11.4	11.6	10.8	10.4	10.1	10.4	10.4	10.9	11.3
	22	8.9	8.6	9.5	8.6	8.7	9.2	9.3	9.8	9.8	9.8	10.2	10.1
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	8.3	—	—	10.3	11.1	11.6	10.5	10.6	10.1	10.1	10.3	10.9
	25	15.0	6.6	6.0	5.9	4.9	4.4	3.8	3.8	5.1	4.8	5.6	4.9
	26	8.0	7.9	6.9	7.2	8.2	8.0	7.4	8.4	8.9	9.3	9.0	10.0
	27	4.5	5.2	6.7	8.1	8.0	8.5	8.1	8.8	9.9	10.1	10.1	10.1
	28	6.8	5.7	5.3	6.1	6.6	8.8	9.0	9.1	9.8	9.6	10.0	10.9
	29	9.4	10.1	10.3	10.4	10.4	11.0	9.2	8.8	9.8	9.0	10.0	10.0
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	10.9	12.2	11.4	11.3	10.6	10.0	9.5	8.9	9.0	9.7	10.0	10.7
Hourly Means	11.53	11.73	11.54	11.57	11.65	11.10	10.23	10.39	10.73	10.95	11.32	11.57	
AUGUST.	1	9.9	10.0	9.6	10.7	10.8	11.0	9.6	9.2	9.8	10.1	10.8	10.9
	2	8.5	9.2	9.6	9.5	10.8	11.0	11.5	10.2	10.4	10.7	10.5	10.4
	3	7.2	8.8	9.2	10.4	12.4	12.0	11.3	11.0	10.9	10.6	10.8	11.1
	4	9.8	9.3	8.2	7.8	9.3	9.3	9.6	9.0	9.1	9.2	10.2	9.0
	5	9.8	9.0	8.6	10.5	12.0	11.5	10.9	9.6	9.8	9.8	9.9	10.1
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	10.2	10.3	7.6	8.2	11.0	11.7	9.6	9.0	9.0	9.5	10.1	10.5
	8	8.8	8.9	8.0	8.1	8.6	8.8	8.7	7.9	9.0	9.9	10.0	10.1
	9	7.9	8.0	7.5	7.9	8.2	7.7	8.0	9.4	9.5	10.0	10.0	10.1
	10	9.0	10.8	10.0	9.0	8.8	10.1	9.7	9.7	10.1	10.3	10.7	10.7
	11	10.9	11.9	10.7	9.4	8.7	10.0	10.0	9.8	10.7	10.9	11.0	11.0
	12	6.6	8.0	8.2	11.0	10.6	10.9	10.2	10.2	10.3	10.8	10.9	10.7
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	10.0	12.5	13.1	11.9	10.1	9.4	8.9	9.0	9.8	10.2	10.1	10.1
	15	12.6	12.2	10.8	10.9	11.3	9.9	9.0	8.9	9.9	9.9	10.5	10.6
	16	7.9	11.3	12.9	11.7	11.1	10.9	10.3	10.9	10.0	10.3	10.4	10.4
	17	10.0	10.0	9.7	10.0	10.2	9.9	10.2	9.8	10.0	10.1	10.9	11.0
	18	13.0	13.4	13.0	12.3	11.9	11.9	10.8	10.2	10.8	11.0	11.0	11.1
	19	12.3	13.9	11.8	10.4	9.9	11.3	11.0	10.0	10.3	10.6	10.8	11.0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	10.7	13.0	11.9	10.1	9.2	9.6	9.9	9.9	10.1	10.9	11.0	11.0
	22	9.3	9.0	8.9	9.3	8.2	7.3	7.8	8.0	7.9	9.1	9.7	10.8
	23	9.0	8.9	9.2	9.0	8.2	8.1	8.3	8.3	9.3	10.0	10.0	11.0
	24	8.6	8.1	8.0	8.9	9.3	9.8	9.8	9.7	9.9	10.2	10.3	10.7
	25	12.8	11.9	9.6	9.0	8.9	10.2	8.8	9.1	9.7	10.1	9.8	10.0
	26	10.2	8.8	7.7	9.0	9.2	9.6	9.0	9.4	10.3	10.7	10.8	10.9
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	9.0	10.4	9.9	9.9	9.3	9.5	9.1	9.5	10.0	10.0	10.7	11.0
	29	12.0	11.6	9.7	9.4	9.4	9.1	9.2	10.1	10.6	10.9	11.3	11.2
	30	11.0	11.8	11.5	10.9	10.0	9.9	9.9	10.0	10.9	10.9	11.0	11.3
	31	9.2	9.7	9.9	10.0	11.4	12.2	10.9	10.2	11.0	10.8	10.8	10.9
Hourly Means	9.86	10.39	9.81	9.82	9.96	10.09	9.70	9.56	9.97	10.28	10.52	10.65	

DECLINATION.												
Zero Scale Division = 52.0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
13.8	13.5	14.8	14.7	14.3	15.0	14.8	15.2	15.4	14.4	13.9	13.7	13.20
13.4	13.6	13.5	14.0	13.4	13.5	14.0	14.8	15.1	15.0	13.9	14.1	13.37
13.1	13.7	14.2	14.0	14.4	14.0	14.2	14.0	14.8	13.8	13.0	14.0	13.34
13.1	13.5	13.6	13.6	14.0	14.2	14.2	14.2	14.8	12.8	10.5	10.3	13.47
13.7	13.5	13.8	13.8	14.2	14.3	14.4	15.0	16.2	14.8	12.0	11.2	13.52
12.1	12.3	10.8	11.4	12.5	12.1	13.6	15.0	17.9	17.1	16.3	14.5	13.14
12.1	12.5	12.7	13.2	12.4	13.9	14.1	13.3	14.3	15.0	14.1	13.7	12.62
12.8	12.8	13.3	13.1	13.5	13.9	14.1	14.9	16.8	15.7	13.3	11.4	13.46
13.9	12.9	13.9	14.1	14.2	14.2	14.7	15.2	17.3	16.8	14.2	13.5	13.52
13.9	14.4	13.0	13.2	13.7	13.8	13.9	14.9	16.0	15.9	15.0	14.9	13.85
13.7	14.0	13.9	13.7	13.3	13.9	13.9	14.2	15.8	14.0	11.8	11.1	13.33
13.8	13.7	13.8	14.2	14.2	14.0	14.4	14.2	14.9	13.1	12.1	13.0	12.92
13.9	13.2	13.2	13.4	13.1	13.7	13.9	13.9	15.5	14.1	12.6	12.4	13.66
12.6	12.8	12.8	12.4	12.2	12.7	12.8	13.1	13.9	11.9	10.0	8.9	12.89
10.0	10.2	10.3	10.3	10.3	10.0	10.8	11.0	13.4	12.1	8.9	7.0	10.20
9.9	10.2	10.2	10.0	10.0	9.5	9.9	10.6	10.5	10.4	8.0	8.1	9.58
10.3	10.4	10.4	10.5	10.4	10.3	10.4	10.9	13.0	11.9	9.1	8.9	10.46
11.1	11.3	11.4	11.8	12.1	11.9	12.3	12.9	14.9	13.8	11.3	10.2	11.28
10.8	11.3	11.2	11.3	11.6	11.9	12.3	13.0	14.7	13.1	11.4	10.1	10.63
10.9	10.4	10.8	10.8	11.5	11.7	12.0	13.0	15.1	12.9	10.4	11.2	11.11
7.0	6.9	7.6	7.8	10.1	9.3	10.7	11.9	13.8	12.1	10.0	9.3	7.80
10.0	10.5	10.0	10.0	10.4	11.2	11.5	12.4	13.5	11.5	8.4	5.6	9.34
9.6	10.9	10.2	11.7	11.3	11.7	11.8	12.9	13.9	12.0	9.0	7.4	9.60
10.8	10.7	10.6	10.9	10.6	10.9	11.1	11.7	13.7	12.9	11.0	9.3	9.66
11.5	11.9	11.7	10.9	11.4	11.2	10.8	12.0	13.2	12.8	11.2	9.1	10.67
10.7	10.9	10.0	10.4	11.3	11.6	11.5	12.9	15.3	14.1	11.9	10.7	11.04
11.87	12.00	11.99	12.12	12.32	12.48	12.77	13.35	14.76	13.62	11.67	10.91	
11.0	11.0	11.1	11.2	11.4	11.8	12.0	13.0	15.0	13.5	11.0	9.4	10.99
10.5	10.9	11.1	11.3	11.4	11.7	12.1	13.4	15.6	13.9	10.4	8.5	10.96
11.1	10.7	10.3	9.8	11.3	11.2	11.9	12.1	15.7	14.1	11.5	9.9	11.05
10.2	10.8	10.6	10.7	11.0	11.2	12.0	13.0	14.3	13.2	11.3	10.0	10.34
10.2	10.2	10.3	10.6	10.5	11.0	11.0	11.3	12.1	11.1	9.6	9.3	10.36
10.4	10.8	10.2	10.2	10.4	10.7	11.1	11.8	12.1	10.7	8.8	8.8	10.11
9.9	9.9	10.0	9.6	10.0	9.9	11.8	12.1	13.9	13.0	11.0	8.3	9.84
10.2	10.0	10.0	10.1	10.2	10.2	11.0	12.5	14.6	13.3	11.0	9.0	9.85
11.0	11.0	10.9	10.9	11.1	11.1	11.8	13.0	14.1	13.1	11.1	10.3	10.76
10.3	10.6	10.0	11.4	11.2	11.8	11.9	13.0	14.6	12.0	9.0	7.0	10.74
10.8	10.8	10.8	10.9	11.0	11.3	11.7	12.2	13.9	12.1	10.0	8.9	10.53
10.5	10.8	10.6	10.6	11.0	11.1	11.7	12.4	13.8	13.3	12.2	12.5	11.07
10.3	10.5	10.4	10.8	11.2	11.3	12.0	12.5	13.2	11.5	9.2	6.4	10.66
10.8	10.9	10.8	10.9	11.0	11.0	11.2	12.0	13.5	12.7	10.6	9.4	10.95
11.1	11.0	10.8	10.8	11.2	11.1	11.1	11.8	12.5	11.6	11.9	11.9	10.78
11.0	11.0	10.9	10.9	10.8	10.9	11.1	12.1	13.0	13.0	12.0	11.7	11.62
11.0	10.3	10.2	10.6	11.2	11.1	11.4	12.3	13.6	12.6	10.5	9.0	11.13
11.0	10.9	10.8	10.8	11.0	11.0	11.9	12.9	14.2	13.0	10.7	9.3	11.00
10.2	9.6	8.9	11.0	10.8	11.0	12.5	14.2	14.6	12.9	11.3	9.1	10.06
10.5	11.8	11.9	11.5	12.1	11.8	11.8	13.4	14.8	13.2	11.8	10.8	10.61
10.8	10.9	11.1	11.0	11.2	11.5	11.8	13.0	14.6	13.2	12.0	11.9	10.68
10.2	10.1	10.2	11.2	11.1	10.8	11.9	13.8	13.9	12.9	11.7	11.3	10.79
11.0	11.3	11.1	10.9	11.0	10.6	10.9	11.8	12.0	9.9	7.2	7.4	10.03
11.0	10.8	10.9	10.9	11.0	11.0	11.1	12.0	12.1	11.3	10.9	11.0	10.51
11.4	11.5	11.5	11.3	11.2	11.6	12.0	13.1	14.7	13.7	12.1	11.0	11.23
11.4	11.2	11.0	11.0	11.2	11.2	11.4	12.4	13.8	11.2	9.4	9.0	10.97
10.9	10.8	10.8	10.7	10.8	11.1	11.5	12.8	14.9	13.1	11.0	11.0	11.10
10.69	10.74	10.64	10.80	11.01	11.11	11.61	12.59	13.89	12.56	10.71	9.71	

13.31

10.52

10.56

10.82



DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
SEPTEMBER.	1	11.1	10.7	10.3	10.9	10.9	10.8	10.1	10.0	10.1	10.0	10.5	10.9
	2	12.0	12.8	11.0	12.1	10.8	10.9	10.0	8.9	9.8	9.8	10.3	10.0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	12.0	10.7	9.0	8.3	10.6	9.0	10.0	10.4	10.2	10.2	9.1	9.8
	5	11.8	11.0	9.3	7.9	7.1	7.9	8.6	8.7	9.1	10.0	10.2	10.0
	6	9.8	8.9	6.8	7.0	7.0	7.9	9.0	9.0	9.5	9.8	9.8	9.9
	7	10.3	11.9	11.3	9.8	8.8	8.6	9.9	10.1	10.4	10.8	10.7	10.8
	8	8.9	9.1	8.7	8.8	9.4	9.1	11.0	10.4	10.4	10.3	10.3	10.7
	9	7.6	9.5	10.0	9.0	7.9	7.4	8.2	9.1	9.1	9.1	10.9	10.3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	12.0	13.0	12.0	11.0	10.3	10.0	8.7	9.3	10.0	10.3	10.3	10.2
	12	13.0	13.1	11.9	11.0	9.2	8.9	9.9	9.9	10.0	10.0	10.0	10.2
	13	11.0	11.2	12.3	11.0	9.4	9.0	8.4	8.8	10.0	10.3	10.7	11.0
	14	11.8	13.2	14.4	14.8	13.6	12.5	11.0	10.3	10.5	10.5	10.8	11.2
	15	11.0	11.9	11.5	10.2	9.0	9.4	9.9	10.2	10.2	10.4	10.6	10.7
	16	11.1	12.0	11.8	10.0	9.8	10.3	10.9	10.9	10.9	10.9	10.8	10.8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	14.3	13.1	12.6	11.2	9.3	8.8	8.7	9.6	9.7	10.0	10.4	10.4
	19	12.5	11.1	10.0	9.8	10.0	10.1	10.2	9.3	9.7	9.2	10.1	10.5
	20	13.2	13.2	11.8	9.4	7.9	8.1	9.6	9.0	9.6	10.0	10.0	10.4
	21	12.1	13.0	11.1	10.0	9.0	7.8	7.0	7.0	8.8	9.7	9.9	9.9
	22	12.8	11.2	11.9	9.9	8.0	6.9	6.9	7.9	8.3	8.9	9.3	10.3
	23	12.0	11.1	10.5	9.0	7.9	6.3	7.4	8.2	8.8	9.1	9.4	10.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	11.7	12.1	12.6	11.2	9.7	9.2	9.5	9.4	10.0	10.6	10.5	10.4
	26	14.3	14.8	13.8	12.2	10.9	9.0	8.9	9.0	9.8	9.8	9.8	9.7
	27	13.8	13.5	12.6	11.3	10.5	9.8	8.9	9.2	10.0	10.2	10.6	10.6
	28	9.4	10.9	10.2	8.9	8.9	8.8	8.8	9.0	9.5	9.8	9.7	9.9
	29	11.2	12.8	12.1	10.9	9.9	9.8	9.2	9.2	10.1	10.0	10.0	10.2
	30	11.2	14.5	13.2	10.5	7.0	6.2	7.2	8.9	9.8	10.0	10.0	10.0
	October 1	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	11.61	11.93	11.26	10.23	9.34	8.94	9.15	9.29	9.78	9.99	10.18	10.34	
OCTOBER	2	15.0	15.3	14.7	13.0	12.5	13.2	12.1	10.5	10.2	10.3	10.1	10.2
	3	12.9	13.9	13.5	12.0	9.3	9.0	10.0	9.9	10.0	10.8	10.2	10.2
	4	13.8	15.0	15.2	13.8	12.1	11.2	11.1	10.8	11.0	10.9	10.9	10.8
	5	11.9	14.1	14.0	12.2	11.2	10.2	10.3	10.2	9.9	9.9	10.5	10.7
	6	12.0	12.5	12.8	10.8	9.0	8.4	8.9	10.1	10.2	10.1	10.5	11.0
	7 <sup>a</sup>	14.5	14.8	13.0	10.6	8.2	7.7	8.8	10.0	10.1	10.6	11.1	11.0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	14.1	15.6	15.1	12.5	9.2	9.0	10.2	10.4	10.5	11.0	11.7	11.6
	10	12.0	13.5	13.8	12.0	9.6	8.7	9.4	9.9	10.5	10.3	10.9	11.0
	11	14.0	15.4	16.0	14.4	12.5	11.1	10.1	10.1	10.8	10.9	11.0	11.1
	12	13.4	15.9	15.8	13.7	10.3	8.7	8.7	9.9	10.4	10.9	10.9	10.6
	13	14.1	15.9	15.7	14.0	10.8	9.0	8.2	9.1	10.2	10.8	11.0	11.0
	14	13.5	13.8	14.6	14.1	12.2	11.1	10.3	11.3	11.1	11.9	11.6	11.4
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	11.3	14.1	15.1	12.8	9.8	8.3	8.8	9.0	9.5	9.0	8.2	10.7
	17	11.0	12.8	13.2	11.0	10.4	9.6	9.0	10.0	9.7	10.3	10.4	10.2
	18	15.2	16.0	14.8	13.5	11.2	10.0	9.3	9.0	9.0	10.0	10.0	10.1
	19	11.8	13.3	13.0	10.0	9.6	9.1	9.0	9.9	9.5	9.7	10.0	10.5
	20	16.8	17.0	17.0	15.0	11.1	9.2	9.1	9.0	9.1	9.9	10.5	10.6
	21	14.6	15.0	13.0	11.2	9.5	8.4	9.6	10.5	10.3	10.8	11.0	10.9
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	11.7	12.2	12.0	13.0	12.3	11.0	10.1	10.1	10.9	11.4	11.2	11.5
	24	12.2	14.2	13.2	12.6	10.2	8.8	9.8	11.1	11.2	11.0	11.0	10.9
	25	12.1	12.5	11.7	10.9	8.1	7.0	8.0	9.2	10.0	10.2	10.9	10.8
	26	10.9	11.2	12.0	12.5	10.9	9.9	9.2	8.9	9.5	10.4	9.9	10.8
	27	10.4	12.5	13.0	12.7	10.0	9.0	9.0	9.5	9.9	10.1	10.2	10.4
	28	8.9	10.7	11.6	11.0	9.3	8.7	9.4	9.9	10.8	11.0	11.1	11.2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	12.3	13.1	12.0	10.2	8.9	8.0	9.2	10.5	10.6	10.4	10.3	10.8
	31	14.9	15.2	13.8	11.8	10.5	10.2	11.0	10.9	10.3	10.3	10.9	10.9
	Hourly Means	12.90	14.06	13.83	12.36	10.33	9.40	9.56	9.99	10.20	10.49	10.62	10.80

DECLINATION.												
Zero Scale Division = 52.0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Means.
Sc. Div. 10.4	Sc. Div. 10.0	Sc. Div. 9.9	Sc. Div. 10.9	Sc. Div. 10.4	Sc. Div. 10.1	Sc. Div. 10.5	Sc. Div. 10.4	Sc. Div. 12.8	Sc. Div. 12.1	Sc. Div. 10.1	Sc. Div. 11.6	Sc. Div. 10.65
—	—	—	—	—	—	—	—	—	—	—	—	10.45
10.0	10.9	10.3	10.2	10.0	11.3	11.2	12.0	13.0	13.0	12.5	12.8	11.07
10.0	9.9	9.9	9.6	9.3	9.7	9.0	11.0	12.7	12.0	11.8	12.0	10.26
9.8	9.2	9.1	9.2	9.1	9.1	9.1	10.6	11.9	11.2	11.0	10.7	9.65
10.4	10.3	10.2	10.1	10.0	9.7	10.0	11.5	12.0	10.3	9.3	9.8	9.50
10.8	10.7	10.6	10.2	10.0	10.1	10.8	12.6	13.0	10.0	8.9	8.6	10.40
10.2	10.0	9.9	9.6	9.2	9.2	10.0	10.3	13.0	15.5	9.1	8.1	10.05
—	—	—	—	—	—	—	—	—	—	—	—	9.59
10.8	9.8	10.0	10.0	9.8	9.6	10.0	11.2	11.0	10.2	9.6	10.1	10.77
10.4	10.8	10.6	10.1	9.8	9.8	10.2	12.1	12.4	11.4	11.7	12.0	10.76
10.0	10.0	10.2	10.1	9.9	10.9	10.0	12.1	12.9	12.8	11.4	10.9	10.65
11.0	11.0	10.8	10.8	10.7	10.8	11.0	12.1	12.0	11.5	10.2	10.5	11.52
11.4	11.3	11.0	10.9	11.0	11.0	11.0	12.8	12.1	10.4	9.4	9.5	10.50
10.8	10.8	10.3	10.1	10.1	10.2	10.5	12.0	11.7	10.0	9.9	10.7	11.45
—	—	—	—	—	—	—	—	—	—	—	—	10.59
10.8	11.6	11.1	10.7	10.9	11.5	11.0	12.9	13.1	13.0	14.2	13.9	10.73
10.5	10.7	9.9	10.8	11.2	10.9	10.6	11.9	11.0	10.5	10.2	11.2	10.88
10.2	10.0	10.0	10.0	10.2	10.2	10.9	13.1	13.9	13.2	13.4	13.4	10.35
10.4	10.2	10.2	10.7	10.6	10.1	10.6	12.5	11.0	9.2	10.0	10.8	10.26
10.2	10.2	10.4	10.3	9.4	10.0	10.3	11.7	11.4	11.3	12.9	12.9	9.62
10.8	9.7	9.4	9.5	9.0	9.2	9.5	10.8	10.0	9.7	10.1	10.9	9.40
—	—	—	—	—	—	—	—	—	—	—	—	10.35
10.0	9.8	9.8	9.7	9.2	9.7	10.0	11.0	10.0	9.1	8.9	8.8	10.55
10.3	10.2	10.2	9.9	9.5	9.6	10.3	12.5	10.7	8.2	8.5	11.5	10.05
9.8	9.8	9.8	9.3	9.1	9.4	9.9	11.6	10.9	10.1	10.1	11.3	9.48
10.2	9.9	9.9	9.3	9.0	10.0	8.9	9.9	9.8	8.0	7.0	8.2	9.95
9.8	9.8	9.5	9.9	9.8	9.9	9.8	10.8	9.0	8.0	7.7	9.6	10.32
10.6	10.0	10.0	10.2	10.0	9.8	9.4	10.8	8.6	7.6	7.9	8.6	10.27
—	—	—	—	—	—	—	—	—	—	—	—	10.36
9.7	10.3	10.3	10.0	10.0	9.9	10.0	10.9	11.2	11.0	12.0	13.9	10.27
10.36	10.27	10.13	10.08	9.89	10.07	10.17	11.58	11.58	10.74	10.30	10.86	
10.5	10.2	9.9	9.9	9.9	9.6	9.4	9.9	8.4	8.9	10.0	11.9	11.07
10.2	10.0	9.5	9.7	9.9	9.8	10.0	10.1	9.1	9.7	11.2	12.2	10.55
10.6	10.5	10.1	10.8	10.1	10.0	10.2	10.8	8.9	7.8	8.5	9.1	11.00
10.4	10.2	9.8	10.1	9.8	8.7	9.3	11.1	10.2	9.0	9.0	10.2	10.54
10.7	10.4	10.0	9.0	9.0	8.9	9.2	9.9	7.7	7.4	9.3	11.2	9.96
—	—	—	—	—	—	—	—	—	—	—	—	10.13
10.9	10.7	10.2	10.0	9.8	9.5	9.2	9.2	7.2	6.8	8.2	10.9	10.37
11.8	11.7	10.9	10.2	10.0	10.0	9.8	9.0	6.2	4.2	5.3	8.8	10.32
10.9	10.8	10.7	10.6	10.3	10.1	10.1	10.0	7.9	6.9	7.5	10.2	11.25
11.3	11.0	10.9	10.9	10.5	10.3	10.2	11.8	9.6	7.8	7.9	10.4	11.03
10.7	10.4	10.2	10.4	10.6	10.3	10.1	10.4	9.3	9.0	11.1	13.1	10.75
10.9	10.9	10.2	10.0	9.9	9.8	9.8	10.4	8.9	8.0	8.5	11.0	10.76
—	—	—	—	—	—	—	—	—	—	—	—	10.61
10.6	10.8	10.3	9.8	10.1	10.0	10.8	10.2	8.1	7.1	7.2	8.5	10.25
10.2	10.2	10.2	10.7	9.4	9.9	10.3	10.9	8.8	8.5	10.1	10.1	10.30
10.2	10.3	10.2	9.8	9.6	9.7	9.8	9.4	7.8	8.8	11.0	12.9	10.44
10.4	10.0	9.8	10.1	9.8	9.8	9.5	10.0	7.9	7.7	8.0	9.4	10.73
10.7	10.4	10.2	10.3	10.5	9.8	9.8	10.5	7.8	7.9	10.0	14.1	10.93
10.2	10.0	10.0	10.1	9.9	9.8	9.8	9.7	7.9	7.3	10.1	13.1	10.69
—	—	—	—	—	—	—	—	—	—	—	—	10.65
10.8	10.9	10.8	10.5	10.1	10.1	10.1	10.3	8.9	9.2	9.7	10.4	10.49
11.2	11.3	11.2	10.8	10.7	10.4	10.1	10.3	7.9	7.2	8.0	9.1	9.72
10.8	11.0	10.8	10.4	10.8	10.8	9.9	10.1	8.3	8.1	9.0	10.4	9.96
10.1	10.0	10.5	10.0	10.0	10.0	9.8	9.8	8.0	6.6	7.2	9.9	9.68
10.5	10.6	10.3	10.0	9.4	9.5	8.9	10.0	8.0	7.3	8.9	9.6	9.51
10.2	10.1	10.2	9.9	10.1	9.8	9.8	9.8	6.7	5.3	6.1	7.6	10.12
—	—	—	—	—	—	—	—	—	—	—	—	10.47
11.2	9.9	9.8	9.8	9.1	9.0	9.0	8.3	6.0	5.7	6.8	10.0	
10.3	10.3	10.1	9.7	9.1	9.1	8.6	8.3	7.4	8.4	11.4	13.8	
10.8	10.3	10.8	10.1	9.7	9.1	9.0	9.3	7.5	6.6	7.5	9.9	
10.66	10.50	10.29	10.14	9.93	9.76	9.71	9.98	8.09	7.59	8.75	10.69	

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.711. Increasing Numbers denote decreasing Westerly Declination.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
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	11.1	11.7	10.9	9.4	9.1	8.9	9.1	10.0	10.5	10.7	10.8	10.9
	2	10.1	11.7	10.6	10.1	10.7	8.2	9.2	10.9	10.9	11.0	10.9	9.8
	3	10.7	13.2	13.0	11.9	10.0	8.8	8.2	9.0	9.8	10.1	10.8	10.8
	4	15.1	14.9	13.0	11.1	10.7	10.0	10.2	10.4	10.8	11.0	11.0	11.0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	13.5	13.1	11.6	10.2	9.1	8.8	8.9	10.0	10.5	10.9	10.8	10.9
	7	12.4	13.5	12.6	10.9	10.0	8.8	9.4	10.1	10.4	11.0	11.0	11.2
	8	9.8	10.4	10.2	8.8	8.3	8.2	9.1	10.0	10.9	11.0	10.9	11.7
	9	13.1	12.1	11.1	10.2	8.3	9.0	9.1	9.4	10.5	10.9	10.8	11.0
	10	12.2	13.4	13.0	12.0	11.5	10.2	9.2	9.5	10.1	10.3	10.7	10.6
	11	12.8	14.9	14.1	12.7	10.9	10.8	9.9	9.9	10.3	11.0	11.2	11.3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	10.5	11.7	11.7	12.0	8.2	7.1	6.9	7.1	8.1	8.7	9.5	9.7
	14	9.1	10.0	9.5	8.7	7.8	6.8	7.8	8.9	10.2	10.3	10.5	10.5
	15	9.9	8.2	7.2	7.2	6.9	6.8	7.1	8.1	9.8	10.0	10.1	10.5
	16	10.1	10.7	10.1	9.6	10.0	9.8	9.8	9.4	10.1	10.0	10.5	10.5
	17	10.1	8.8	8.4	8.4	9.4	10.8	10.9	10.9	10.9	10.9	10.9	10.9
	18	11.8	11.9	11.6	12.2	11.9	12.1	11.9	10.9	11.0	11.3	11.6	11.8
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	12.4	12.9	11.1	9.6	9.2	9.6	9.4	10.0	11.2	11.7	11.9	11.9
	21	12.0	11.9	10.8	9.0	7.8	8.6	9.8	10.1	10.2	10.8	9.9	11.1
	22	12.9	13.9	12.2	11.8	10.0	8.9	9.2	9.5	10.6	11.4	11.5	11.8
	23	13.1	14.2	15.0	14.8	12.9	11.1	11.3	11.0	10.8	10.9	11.5	11.4
	24	12.2	13.9	13.7	12.0	10.3	8.8	9.0	10.0	10.9	11.0	11.3	11.2
	25	9.8	10.0	10.2	10.8	9.7	9.1	8.0	8.4	9.8	10.7	10.8	10.9
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	10.0	11.6	14.3	13.9	11.6	10.9	10.5	10.0	10.6	10.8	10.6	10.7
	28	6.4	7.1	9.1	10.9	10.0	8.9	9.3	9.8	10.1	10.9	10.7	11.1
	29	13.2	12.2	12.8	13.1	10.8	9.5	10.1	10.2	10.7	11.0	11.0	11.2
	30	14.2	13.8	12.9	12.0	11.5	12.0	12.9	11.7	11.7	11.0	11.3	11.6
Hourly Means	11.48	11.99	11.57	10.89	9.87	9.33	9.47	9.82	10.44	10.74	10.87	11.00	
DECEMBER.	1	12.8	12.3	11.2	11.2	12.0	12.2	13.1	11.9	10.8	10.7	10.9	10.9
	2	13.5	14.2	12.7	10.1	8.9	8.9	9.2	10.0	10.2	11.0	11.2	11.3
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	12.4	12.8	12.7	11.8	10.9	10.0	10.7	10.9	10.9	11.0	11.4	11.0
	5	12.1	11.9	11.5	11.1	10.0	10.6	10.3	10.2	11.0	11.7	11.9	11.7
	6	11.2	11.0	11.0	9.9	9.7	9.8	10.6	11.0	11.3	11.7	11.8	11.9
	7	10.4	11.8	11.8	12.4	11.9	11.0	11.2	11.7	11.9	11.9	11.9	11.9
	8	13.9	14.9	15.6	15.0	13.1	12.8	11.8	10.9	10.1	11.5	11.1	11.5
	9	10.5	13.1	14.0	14.1	12.6	11.9	11.5	11.4	10.9	10.9	11.4	12.1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11 <sup>a</sup>	7.4	7.9	7.4	7.7	7.2	6.9	7.0	7.1	7.2	7.8	7.9	7.9
	12	12.3	13.1	13.0	13.1	11.3	9.9	9.8	9.0	10.1	10.9	11.1	11.7
	13	10.5	11.3	10.9	10.4	9.8	9.8	10.3	9.9	9.9	10.1	10.9	11.9
	14	11.1	11.5	11.6	10.4	9.5	9.8	10.1	11.1	11.3	11.1	10.9	11.1
	15	11.9	12.3	12.9	11.7	11.8	11.2	10.3	10.6	10.2	10.7	10.9	11.1
	16	11.9	12.0	12.3	11.0	9.6	9.5	10.2	11.0	11.0	11.1	11.9	11.9
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	11.7	15.4	15.5	13.1	10.0	9.7	10.2	10.9	11.5	12.1	12.2	12.7
	19	12.7	12.7	12.8	11.1	10.0	9.1	9.2	10.2	11.0	12.1	12.1	12.1
	20	15.1	14.7	14.0	11.7	10.7	9.1	8.7	9.3	10.7	11.3	11.7	11.1
	21	14.2	14.8	13.8	13.8	13.6	11.0	9.2	10.0	11.0	11.8	11.9	11.8
	22	15.9	15.1	13.9	12.4	11.8	11.2	11.2	10.9	11.6	12.7	12.8	12.8
	23	14.9	14.4	12.9	12.0	11.9	11.3	10.4	10.4	11.7	11.8	12.1	12.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	11.6	12.0	11.4	10.3	10.2	10.0	9.3	9.4	10.1	10.9	11.2	11.6
	27	9.6	9.8	10.0	9.0	9.1	8.9	8.7	8.8	10.0	11.2	11.2	11.5
	28	9.8	10.0	10.7	8.9	7.2	8.0	8.7	9.2	9.8	10.4	10.5	10.5
	29	12.4	14.0	11.8	10.8	10.0	8.8	9.0	10.0	9.5	10.7	10.2	10.8
	30	10.8	9.3	9.7	10.8	10.0	10.6	11.2	10.3	10.1	10.5	10.8	11.1
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	12.22	12.69	12.40	11.50	10.65	10.21	10.20	10.37	10.69	11.24	11.42	11.58	

<sup>a</sup> Omitted in the Means.<sup>b</sup> Christmas-day.

DECLINATION.												
Zero Scale Division = 52.0, corresponding to 22° 46' W.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
10.7	10.6	10.1	9.6	9.0	9.0	9.3	9.8	7.9	7.0	7.6	8.2	9.66
10.0	9.5	9.0	8.9	8.6	8.9	8.1	8.0	6.6	6.2	8.0	9.6	9.39
10.6	10.1	9.9	9.2	9.7	9.8	10.0	9.8	8.5	9.0	11.9	13.4	10.34
—	—	—	—	—	—	—	—	—	—	—	—	—
10.6	10.5	10.3	10.3	10.3	10.0	10.0	9.0	6.4	6.0	9.5	11.5	10.57
10.7	10.5	10.3	10.0	10.0	9.7	9.4	8.7	6.0	4.8	6.5	9.8	9.78
11.0	10.6	10.2	10.0	9.9	9.8	9.4	9.0	7.0	5.8	6.3	8.2	9.94
11.3	11.2	10.2	9.9	9.9	9.2	8.2	9.0	7.2	6.7	8.0	11.1	9.63
10.8	10.5	10.1	9.9	10.0	10.0	9.9	9.0	6.3	5.2	7.1	9.0	9.72
10.4	10.1	9.8	9.4	9.5	9.4	9.2	9.0	7.0	6.3	8.0	10.2	10.04
—	—	—	—	—	—	—	—	—	—	—	—	—
12.0	11.4	11.2	11.1	10.2	10.0	8.9	10.2	7.0	6.0	8.3	9.9	10.67
10.1	10.5	11.0	10.8	9.9	9.9	9.9	9.9	7.2	6.5	6.9	8.8	9.27
10.0	10.3	10.4	9.8	9.7	9.3	9.1	9.7	7.7	7.0	7.4	9.0	9.15
10.9	10.9	10.8	10.5	10.1	10.0	10.0	9.1	8.0	8.5	9.3	10.0	9.16
10.5	10.2	9.9	9.6	9.1	9.2	9.1	9.8	7.9	7.8	8.9	10.2	9.70
10.8	10.1	9.8	9.6	9.1	9.4	9.5	9.3	8.9	9.5	10.3	11.7	9.97
—	—	—	—	—	—	—	—	—	—	—	—	—
11.0	10.8	10.2	9.9	9.5	9.2	9.0	8.3	8.3	8.5	9.5	11.1	10.64
11.6	11.1	11.0	10.8	10.2	9.8	9.6	9.4	7.8	7.7	11.0	12.1	10.54
11.0	10.9	10.1	10.0	9.9	9.5	9.2	8.2	5.1	4.4	6.2	9.6	9.42
11.4	11.0	10.5	10.0	9.1	9.3	9.4	8.8	7.0	7.0	8.5	10.8	10.27
11.2	10.9	10.7	10.5	9.9	9.8	9.1	9.2	7.5	7.4	8.8	10.4	10.97
11.2	10.4	9.6	9.2	9.2	9.6	9.6	10.1	7.2	5.1	5.8	8.1	9.97
—	—	—	—	—	—	—	—	—	—	—	—	—
10.8	10.6	10.5	10.2	10.0	9.5	9.1	8.0	6.5	7.1	8.1	8.8	9.48
10.7	10.4	10.2	9.9	9.6	9.3	9.8	9.6	9.0	7.8	7.4	6.9	10.25
10.9	10.5	10.0	9.9	9.4	9.2	9.2	9.8	9.2	10.0	11.3	13.1	9.87
10.7	10.1	10.1	9.2	8.9	8.3	8.8	8.3	7.8	9.3	11.7	13.7	10.53
11.4	10.8	9.9	9.3	9.5	9.1	8.9	9.0	8.4	9.2	10.8	12.1	11.04
10.86	10.56	10.22	9.90	9.62	9.47	9.29	9.15	7.44	7.15	8.58	10.28	
10.9	10.6	9.9	10.0	10.0	9.0	8.2	8.2	7.0	6.8	8.2	11.1	10.41
—	—	—	—	—	—	—	—	—	—	—	—	—
11.0	10.2	9.9	9.4	9.0	9.0	9.1	8.7	7.9	7.9	8.5	10.8	10.11
11.0	10.8	10.2	10.0	9.9	9.5	9.9	10.0	8.0	7.4	8.1	10.7	10.50
11.5	10.8	10.3	10.0	10.0	10.1	10.5	10.9	9.7	9.6	9.8	10.8	10.75
11.5	11.3	10.8	10.4	10.0	9.0	10.0	9.2	7.8	7.0	8.7	9.1	10.24
11.6	11.2	10.7	10.4	10.0	10.0	9.9	9.2	7.4	6.9	8.9	11.1	10.71
11.6	11.1	10.2	10.0	9.7	8.7	7.8	7.0	6.2	5.2	7.2	8.4	10.64
—	—	—	—	—	—	—	—	—	—	—	—	—
11.3	11.3	11.3	11.3	11.0	10.9	10.8	10.8	10.8	6.7	6.8	7.1	11.02
8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.5	8.9	10.5	—
11.6	10.9	11.2	10.5	10.7	10.0	10.0	9.8	8.9	8.3	9.3	10.5	10.71
11.0	11.0	11.0	11.0	10.9	10.3	10.1	9.7	7.3	7.7	8.7	10.0	10.18
11.3	11.4	11.2	11.0	11.2	10.7	11.0	11.0	10.1	9.4	10.0	10.3	10.75
11.2	10.6	10.9	10.5	10.2	10.2	10.1	9.2	8.0	8.8	10.8	11.9	10.75
—	—	—	—	—	—	—	—	—	—	—	—	—
12.0	11.8	11.3	10.8	10.4	11.0	11.2	9.2	6.8	5.8	7.9	9.6	10.47
12.0	11.6	11.4	10.8	10.5	10.1	9.9	9.0	7.4	7.4	9.1	10.8	11.04
12.0	11.7	10.8	10.8	10.1	10.0	9.9	8.9	6.5	8.0	10.4	13.2	10.72
11.1	10.9	10.2	9.9	9.7	9.9	9.6	8.1	5.8	5.7	8.8	13.0	10.45
11.8	11.4	11.2	10.8	10.5	10.1	9.5	8.2	7.2	8.3	12.0	14.9	11.37
12.1	11.9	11.0	10.9	10.1	10.1	9.9	8.9	7.2	7.7	9.0	12.8	11.41
—	—	—	—	—	—	—	—	—	—	—	—	—
11.7	11.5	11.2	11.1	11.0	10.6	10.2	10.0	9.0	8.0	9.1	9.9	11.21
—	—	—	—	—	—	—	—	—	—	—	—	—
11.3	11.2	11.0	10.8	9.9	9.5	9.5	10.2	9.1	7.8	7.5	7.1	10.12
11.2	10.8	10.7	10.1	10.1	9.7	8.0	8.9	7.8	7.0	7.7	8.8	9.52
10.2	10.2	10.7	9.8	9.7	9.1	8.6	8.0	7.8	8.7	9.5	11.0	9.46
10.7	10.7	10.2	9.7	9.6	9.2	9.0	8.7	8.5	9.5	11.4	11.8	10.29
—	—	—	—	—	—	—	—	—	—	—	—	—
9.8	9.7	9.7	9.5	9.2	8.8	8.1	7.9	8.7	10.5	12.5	13.8	10.14
11.31	11.02	10.71	10.39	10.14	9.81	9.62	9.15	7.95	7.75	9.16	10.77	

HORIZONTAL FORCE.																									
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.																									
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .													
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.													
JANUARY.																									
													1	—	—	—	—	—	—	—	—	—	—	—	
													2	64.9	65.9	62.0	55.9	51.9	51.0	53.3	53.0	51.8	54.0	55.0	54.2
													3	66.1	65.2	63.7	62.3	60.2	57.2	55.9	55.8	56.0	55.3	55.4	54.6
													4	64.6	64.2	64.3	61.6	59.4	57.9	56.2	55.7	55.8	55.1	55.0	55.8
													5	68.1	67.4	65.3	62.9	61.0	59.5	58.6	57.8	57.0	56.8	56.0	56.0
													6	68.0	67.1	64.2	61.9	59.5	56.7	56.0	54.9	55.9	55.8	55.1	55.1
													7	70.0	70.1	68.3	66.8	62.8	59.5	58.1	57.0	56.0	55.5	56.2	56.2
													8	—	—	—	—	—	—	—	—	—	—	—	—
													9	65.0	66.0	65.0	62.3	60.2	58.2	56.0	53.4	53.1	53.6	53.7	54.2
													10	64.8	64.4	63.7	62.3	60.0	56.8	56.5	55.7	55.7	54.7	55.0	54.4
													11	65.0	65.3	65.0	63.8	61.8	58.8	55.9	50.9	46.3	48.4	50.8	50.0
													12	59.4	60.6	61.1	60.0	58.8	56.8	55.0	53.6	52.8	52.0	52.0	52.1
													13	57.4	57.4	57.3	57.8	58.0	57.2	56.0	54.2	54.0	54.0	54.2	54.7
													14	61.8	61.7	60.9	59.1	58.2	57.8	56.9	56.7	55.4	54.9	54.0	54.1
													15	—	—	—	—	—	—	—	—	—	—	—	—
													16	64.1	63.1	63.0	61.2	60.0	59.2	59.1	57.5	58.9	57.5	58.0	56.1
													17	63.9	62.9	62.0	60.6	57.9	55.4	54.0	53.9	53.9	54.1	53.5	53.2
													18	63.9	62.8	62.8	61.0	59.1	58.2	58.0	55.9	53.2	53.5	52.6	52.1
													19	61.5	61.6	60.3	59.2	57.7	56.3	55.2	54.8	54.9	54.0	53.6	53.6
													20	62.8	63.6	63.4	63.9	62.0	60.1	58.4	57.2	55.8	55.4	55.0	55.2
													21	61.4	62.2	62.1	60.0	59.5	59.9	58.3	57.6	56.9	56.9	56.8	56.8
													22	—	—	—	—	—	—	—	—	—	—	—	—
													23	62.3	61.7	61.2	59.0	57.7	56.4	55.6	54.1	54.1	54.6	54.2	53.4
													24	60.9	61.6	61.1	60.7	59.3	57.7	56.7	54.2	52.3	52.2	52.4	52.4
													25	55.1	56.3	57.0	56.1	54.1	52.4	52.1	52.0	51.8	52.2	52.0	52.0
													26	59.4	60.0	60.2	59.0	57.6	56.2	54.8	53.0	52.0	51.4	51.2	52.0
													27	62.4	60.9	60.4	58.3	56.1	55.9	56.0	56.0	54.9	53.9	54.1	55.4
													28	63.0	62.1	60.9	60.0	58.5	50.9	44.9	45.0	45.1	43.5	46.0	46.0
													29	—	—	—	—	—	—	—	—	—	—	—	—
													30	58.3	57.6	54.6	54.0	53.8	52.0	51.2	51.1	51.2	51.7	51.5	51.7
31	60.2	62.0	60.2	58.4	56.8	54.8	53.0	54.4	54.1	54.2	54.4	54.6													
Hourly Means	62.86	62.83	61.92	60.31	58.53	56.65	55.45	54.44	53.80	53.66	53.76	53.69													
TEMPERATURE OF THE BIFILAR MAGNET.																									
JANUARY.																									
1	—	—	—	—	—	—	—	—	—	—	—	—													
2	65.6	65.9	66.1	66.2	66.3	66.5	66.2	66.1	66.0	66.0	66.0	65.9													
3	65.0	65.6	66.0	66.9	67.2	67.5	67.8	67.8	67.1	67.0	66.9	66.6													
4	65.2	65.9	66.4	66.9	67.2	67.8	68.0	68.0	67.8	67.3	67.0	66.7													
5	65.5	66.1	66.2	66.5	66.7	67.0	67.1	67.0	66.9	66.7	66.3	66.1													
6	65.8	66.0	66.8	67.7	68.0	68.0	68.0	67.9	67.8	67.0	67.0	66.9													
7	66.0	66.7	67.2	68.0	68.0	68.2	68.4	68.3	68.0	67.9	67.7	67.1													
8	—	—	—	—	—	—	—	—	—	—	—	—													
9	66.1	66.7	67.0	67.9	68.5	68.9	69.0	69.0	69.0	68.7	68.0	67.8													
10	67.0	67.5	68.0	68.5	68.9	69.1	69.0	69.0	68.9	68.6	68.0	67.9													
11	67.7	67.8	68.4	68.8	69.0	69.2	69.1	69.0	69.0	69.0	68.8	68.9													
12	67.9	68.3	68.9	69.5	69.9	70.0	70.0	69.9	69.8	69.2	69.0	68.9													
13	68.6	68.9	69.2	69.5	69.9	70.0	70.0	69.9	69.7	69.0	68.9	68.7													
14	67.8	68.0	68.5	68.8	69.0	69.1	69.2	69.1	68.9	68.5	68.1	67.9													
15	—	—	—	—	—	—	—	—	—	—	—	—													
16	67.0	67.8	68.3	68.9	69.0	69.1	69.0	69.0	68.9	68.4	68.0	67.8													
17	67.0	67.7	68.0	68.8	69.2	69.3	69.2	69.1	69.0	68.9	68.7	68.2													
18	67.7	68.0	68.8	69.0	69.1	69.4	69.7	69.7	69.5	69.0	68.9	68.8													
19	67.9	68.2	69.0	69.4	69.8	70.0	70.0	69.9	69.8	69.5	69.1	68.9													
20	67.4	67.8	68.2	68.7	68.9	68.9	69.0	68.8	68.5	68.3	68.0	67.9													
21	67.6	68.0	68.4	68.6	68.7	68.7	68.6	68.3	68.0	68.0	67.9	67.8													
22	—	—	—	—	—	—	—	—	—	—	—	—													
23	67.4	68.1	68.7	70.7	70.1	70.0	69.9	69.6	69.3	69.0	68.9	68.7													
24	68.8	69.3	70.0	68.8	70.0	70.2	70.8	70.8	70.6	70.1	69.8	69.2													
25	68.4	68.9	69.8	70.6	71.1	71.7	71.8	71.7	71.0	70.9	70.1	69.9													
26	69.2	69.8	70.3	70.8	71.1	71.6	71.7	71.4	71.0	70.8	70.2	70.0													
27	68.9	69.3	69.9	70.1	70.8	71.0	71.1	71.1	70.9	70.7	70.2	69.9													
28	68.9	69.6	70.1	71.1	71.8	72.0	72.0	71.8	71.8	71.6	71.1	70.9													
29	—	—	—	—	—	—	—	—	—	—	—	—													
30	68.8	69.1	69.9	70.0	70.7	70.9	71.0	70.9	70.3	70.0	69.8	69.6													
31	68.8	69.0	69.7	70.0	70.2	70.7	70.8	70.7	70.1	70.0	69.8	69.6													
Hourly Means	67.38	67.85	68.38	68.87	69.19	69.42	69.48	69.38	69.14	68.85	68.55	68.33													

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
55.8	54.2	54.2	55.4	56.0	56.8	57.2	57.1	58.4	61.2	65.0	68.0	57.18
54.8	55.0	55.4	55.3	55.7	55.5	55.7	56.5	59.9	62.9	65.0	65.1	58.52
56.7	56.2	58.0	58.3	58.2	58.2	58.2	60.0	62.5	64.9	66.8	66.3	59.58
56.3	56.6	56.8	56.9	57.2	57.2	57.6	57.9	60.0	63.0	65.2	67.5	59.94
55.4	57.1	58.9	58.8	61.0	59.1	60.1	60.9	62.8	64.0	67.1	70.4	60.24
56.2	55.2	55.6	57.3	57.2	57.2	57.9	58.7	60.0	62.0	63.9	64.0	60.07
54.7	55.0	55.0	55.3	55.4	55.5	55.7	57.2	59.1	61.0	62.0	63.8	57.93
54.3	52.8	54.8	55.7	57.2	57.8	58.0	60.0	62.0	63.0	64.0	65.1	58.71
50.8	51.8	52.5	53.6	53.8	53.8	54.4	54.8	55.0	55.2	56.9	57.9	55.52
52.8	52.8	52.8	53.2	53.6	54.0	54.2	54.9	55.9	55.3	55.2	56.3	55.22
54.8	54.9	54.3	54.2	54.5	55.1	55.2	56.0	58.0	60.1	61.6	62.2	56.38
54.3	55.3	56.2	57.8	57.6	57.9	57.0	57.5	60.0	62.1	63.6	64.0	58.12
58.4	59.2	59.9	60.1	64.0	61.0	59.9	59.0	60.4	62.1	62.6	64.0	60.35
53.8	54.4	55.0	54.8	55.2	56.0	56.2	56.4	59.0	62.1	63.7	64.0	57.33
53.5	54.0	54.2	54.8	55.1	55.0	55.8	55.5	55.8	57.2	58.0	60.0	56.75
54.2	54.4	54.8	55.0	55.9	56.6	57.1	57.8	58.9	59.1	61.4	62.9	57.12
55.2	55.4	55.7	56.2	56.3	56.9	56.9	58.0	59.8	61.0	61.2	61.8	58.63
56.0	55.3	55.4	55.3	55.2	55.2	55.6	56.8	57.8	59.4	60.0	61.7	58.00
56.0	52.2	53.2	52.2	54.8	54.9	54.9	55.9	57.8	58.9	59.0	59.9	56.42
50.8	50.7	49.9	53.0	51.5	51.9	52.1	53.1	53.1	54.0	53.0	53.5	54.50
52.2	52.8	53.0	53.5	53.8	54.0	54.3	55.8	58.0	59.0	58.9	59.4	54.49
51.9	52.9	53.1	53.8	53.4	55.4	55.4	57.0	58.5	59.9	61.2	62.0	55.89
56.7	56.7	55.1	54.7	56.2	54.9	55.6	56.9	58.9	60.0	62.0	62.0	57.30
49.6	52.2	53.3	54.2	55.3	54.2	55.0	55.0	55.0	54.9	55.2	55.8	53.15
51.8	52.3	52.8	53.1	53.8	54.3	54.0	54.0	54.8	55.1	57.5	58.2	53.77
54.8	54.9	55.4	54.4	54.8	54.8	54.1	54.9	56.8	58.9	60.5	61.8	56.38
54.30	54.40	54.82	55.27	55.87	55.89	56.08	56.83	58.39	59.86	61.17	62.22	57.21
TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
65.8	65.7	65.4	65.1	64.9	65.0	65.0	65.0	64.9	64.9	64.9	64.9	65.60
66.2	66.0	65.8	65.7	65.7	65.7	65.7	65.4	65.1	65.1	65.0	65.0	66.13
66.8	66.2	66.1	65.9	65.9	65.9	65.9	65.7	65.5	65.5	65.3	65.3	66.40
65.9	65.8	65.7	65.5	65.5	65.5	65.5	65.5	65.2	65.2	65.1	65.2	65.98
66.8	66.6	66.8	66.5	66.1	66.0	66.0	66.0	66.0	65.9	65.9	65.9	66.73
66.9	66.3	66.3	66.2	66.1	66.0	66.0	66.0	65.9	65.8	65.8	66.0	66.87
67.7	67.2	67.2	67.0	66.9	66.9	66.9	66.8	66.5	66.3	66.5	66.9	67.48
67.8	67.7	67.6	67.6	67.5	67.3	67.3	67.3	67.2	67.1	67.2	67.4	67.90
68.7	68.2	68.0	67.9	67.8	67.7	67.5	67.2	67.1	67.0	67.0	67.3	68.17
68.5	68.4	68.2	68.1	68.0	68.0	68.0	67.9	67.8	67.6	67.6	67.7	68.63
68.4	68.0	68.0	67.9	67.8	67.8	67.7	67.7	67.6	67.2	67.3	67.6	68.55
67.8	66.8	66.8	66.8	66.7	66.8	66.8	66.7	66.4	66.3	66.3	66.7	67.66
67.8	67.7	67.4	67.4	67.1	67.0	67.0	67.0	67.0	66.9	66.9	67.0	67.81
67.9	67.8	67.7	67.7	67.6	67.2	67.1	67.1	67.0	67.0	67.1	67.3	67.98
68.7	68.7	68.5	68.4	68.0	68.0	68.0	68.0	67.8	67.7	67.4	67.6	68.52
68.7	68.1	68.0	67.8	67.6	67.6	67.6	67.6	67.5	67.3	67.0	67.1	68.48
67.8	67.8	67.7	67.7	67.6	67.7	67.7	67.7	67.4	67.3	67.1	67.3	67.94
67.8	67.2	67.2	67.2	67.1	67.0	67.0	66.9	66.9	66.8	66.7	67.0	67.64
68.2	68.0	68.1	68.1	68.0	67.8	67.8	67.7	67.7	67.7	67.8	67.9	68.55
68.9	68.7	68.6	68.4	68.1	67.9	67.9	67.9	67.8	67.7	67.7	67.9	69.00
69.8	69.5	69.4	69.0	68.8	68.8	68.8	68.7	68.7	68.6	68.1	68.5	69.69
69.8	69.6	69.3	69.2	69.1	69.0	69.0	68.9	68.9	68.7	68.8	68.9	69.88
69.8	69.7	69.7	69.4	69.2	69.0	69.0	68.9	68.9	68.7	68.7	68.8	69.74
70.8	69.2	69.1	68.9	68.8	68.8	68.8	68.7	68.5	68.5	68.3	68.1	69.94
69.3	69.1	69.0	68.9	68.8	68.5	68.5	68.5	68.4	68.4	68.4	68.4	69.39
69.2	69.0	68.9	68.8	68.7	68.6	68.6	68.6	68.7	68.7	68.3	68.1	69.31
68.15	67.81	67.71	67.58	67.44	67.37	67.32	67.23	67.16	67.01	67.00	67.20	68.07

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen } Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	63.0	60.1	59.8	58.0	57.0	57.4	56.0	54.1	53.0	52.9	53.0	53.8
	2	59.4	60.9	59.7	56.2	53.8	53.4	53.0	52.4	53.0	53.0	53.3	54.0
	3	66.8	65.9	63.0	59.1	58.0	57.1	55.3	54.1	54.0	53.9	54.1	54.2
	4	63.0	63.8	62.0	60.0	58.0	57.0	56.1	56.2	56.2	57.1	56.7	56.0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	60.1	62.1	60.0	55.8	55.1	54.1	50.7	47.2	46.0	44.3	41.8	48.9
	7	55.4	59.0	58.8	57.7	55.2	50.8	51.9	51.1	50.9	50.9	50.7	51.2
	8	61.9	62.0	60.3	56.3	55.1	54.8	54.0	53.5	52.9	53.0	52.5	51.5
	9	56.8	56.8	55.6	53.0	52.0	50.7	52.1	52.1	52.0	52.4	52.2	52.2
	10	60.9	59.3	57.8	55.4	53.7	51.9	50.3	50.0	50.8	51.2	52.4	51.7
	11	59.1	59.1	58.7	58.0	56.0	53.0	52.9	52.8	51.8	51.4	51.5	51.5
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	61.1	61.0	58.1	55.0	53.5	51.2	50.3	50.0	50.3	49.4	49.0	51.3
	14	61.0	58.5	54.0	53.1	51.8	50.8	50.9	51.5	51.1	51.8	50.2	51.3
	15	60.1	58.8	57.8	56.3	54.0	52.8	51.8	50.9	51.1	51.3	51.9	51.7
	16	59.5	59.9	58.8	56.7	55.0	54.6	53.5	52.5	51.4	50.9	51.0	52.1
	17	62.7	60.5	58.4	56.0	54.0	52.9	50.0	49.8	50.2	51.1	51.8	51.7
	18	57.2	58.0	56.9	55.0	53.7	51.5	50.2	49.9	50.0	50.1	51.4	54.0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	62.4	64.0	61.3	59.2	57.0	54.0	50.8	49.8	50.8	51.2	51.2	52.0
	21	60.0	61.0	59.0	56.0	53.1	51.2	49.8	49.3	49.2	49.7	50.0	50.6
	22	62.0	62.0	60.0	57.2	55.0	53.1	51.3	50.3	49.9	50.2	50.2	50.4
	23	57.2	56.0	54.1	52.8	51.7	51.1	51.0	50.0	49.9	50.0	50.0	51.0
	24	54.2	54.9	50.8	47.5	45.0	43.8	42.0	39.2	36.0	39.7	40.8	41.9
	25	52.0	52.0	52.4	51.8	49.9	49.0	47.0	46.9	46.8	47.7	46.2	46.0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	58.8	59.3	58.2	56.2	56.0	54.9	54.2	53.2	52.6	52.2	50.8	51.5
	28	61.9	60.0	58.2	56.2	55.2	54.8	54.2	54.0	53.9	53.8	53.2	53.5
Hourly Means	59.85	59.79	58.07	55.77	54.12	52.75	51.64	50.87	50.57	50.80	50.66	51.42	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	68.8	69.0	69.5	70.0	70.1	70.2	70.5	70.2	69.9	69.7	69.4	69.1
	2	68.6	69.0	69.7	70.3	70.8	71.1	71.3	71.1	70.9	70.3	70.0	69.8
	3	68.9	69.3	69.9	70.4	70.7	70.9	71.0	71.0	70.8	70.2	70.0	69.7
	4	69.0	69.7	71.1	70.9	71.2	71.7	71.8	71.7	71.1	70.8	70.4	70.1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	69.1	69.4	69.8	70.0	70.7	71.0	71.1	71.0	70.9	71.0	70.8	70.6
	7	69.0	69.1	69.7	69.9	70.2	70.4	70.2	70.0	69.9	69.8	69.6	69.2
	8	68.7	69.0	69.1	69.8	70.0	70.3	70.2	70.0	69.9	69.5	69.2	69.0
	9	69.0	69.9	70.1	70.4	70.4	70.4	70.1	69.9	69.7	69.2	69.1	69.0
	10	68.8	69.3	70.0	70.7	71.0	71.7	71.8	71.8	71.6	71.0	70.6	70.3
	11	68.9	69.7	70.2	71.1	71.8	72.0	72.0	71.9	71.5	71.0	70.7	70.5
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	68.0	68.8	69.3	70.0	70.7	71.0	71.0	71.0	70.9	70.4	70.0	69.8
	14	68.8	69.0	69.2	69.5	69.7	69.7	69.2	69.1	69.0	69.0	68.9	68.8
	15	68.5	69.0	69.5	69.8	70.0	70.1	70.8	70.8	70.6	70.2	69.9	69.8
	16	68.8	69.3	69.8	70.0	70.1	70.2	70.2	70.2	69.9	69.8	69.7	69.4
	17	68.8	69.1	69.9	70.4	70.9	71.2	71.2	71.1	71.0	70.8	70.2	70.0
	18	69.1	69.9	70.2	70.9	71.4	71.8	71.9	71.7	71.1	70.9	70.6	70.2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	69.0	69.6	70.1	71.0	71.5	72.0	72.3	72.3	71.8	71.6	71.0	70.7
	21	70.0	70.7	71.2	72.0	72.7	73.1	73.1	73.0	72.7	72.1	71.8	71.1
	22	69.9	70.8	71.5	72.2	73.0	73.3	73.8	73.7	73.0	72.6	72.0	71.6
	23	70.7	71.2	72.0	73.0	73.9	74.3	74.6	74.3	73.9	73.5	73.0	72.7
	24	71.3	72.0	72.8	73.8	74.2	74.5	74.3	73.8	73.4	73.0	72.9	72.6
	25	71.1	71.7	72.6	73.4	74.1	74.5	74.8	74.3	74.2	74.0	73.8	73.4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	70.5	70.6	70.6	70.5	70.5	70.4	70.2	70.1	70.0	70.0	70.0	70.0
	28	69.1	69.7	69.9	70.1	70.6	70.7	70.5	70.0	70.0	69.8	69.5	69.3
Hourly Means	69.27	69.78	70.32	70.84	71.26	71.52	71.58	71.42	71.15	70.84	70.55	70.28	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00023.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
53.8	54.0	54.5	54.9	55.1	55.3	54.7	55.0	55.8	56.8	58.0	57.8	55.99
54.0	54.1	54.2	54.2	54.4	55.0	55.0	56.0	58.8	60.0	62.4	65.0	56.05
55.2	55.2	55.0	55.8	55.9	56.0	56.8	57.1	58.8	60.0	60.0	61.1	57.60
—	—	—	—	—	—	—	—	—	—	—	—	56.28
57.0	51.7	50.7	51.8	52.5	53.0	53.2	53.2	54.5	55.4	57.3	58.2	52.27
51.2	50.0	50.5	53.5	52.5	53.0	52.1	52.9	52.5	53.0	53.1	54.0	53.10
51.6	51.6	50.9	50.8	50.8	50.9	51.7	51.4	52.8	53.2	56.0	59.0	54.53
52.1	52.2	51.7	51.4	53.9	53.1	52.6	52.8	53.9	55.1	55.8	56.2	54.16
52.9	52.0	52.8	53.9	54.3	54.2	53.8	54.5	56.2	58.0	59.0	60.3	53.92
51.4	50.9	51.0	52.4	52.4	53.2	53.8	54.9	55.8	57.0	57.9	58.0	55.85
—	—	—	—	—	—	—	—	—	—	—	—	54.06
51.5	54.6	56.2	54.9	56.2	54.5	55.0	56.5	60.0	61.0	62.1	62.0	53.70
51.1	54.1	53.8	52.7	53.2	53.2	54.0	53.9	56.0	57.0	58.0	60.2	54.33
52.6	53.7	53.2	53.2	52.9	52.2	52.7	52.0	55.2	57.9	58.9	59.2	55.21
51.4	50.5	54.0	53.1	53.2	52.8	52.9	53.7	55.0	58.0	60.4	60.5	53.30
53.2	53.3	53.6	54.1	54.6	54.9	55.6	54.9	55.5	57.6	59.8	62.0	54.29
52.4	52.4	52.9	51.9	51.5	52.2	52.2	52.0	52.0	52.0	53.0	55.5	54.51
—	—	—	—	—	—	—	—	—	—	—	—	53.86
53.2	53.8	54.6	54.2	53.6	54.3	55.0	55.5	55.7	57.0	58.1	60.1	53.65
50.2	55.4	53.5	53.0	52.3	52.1	52.1	52.7	54.0	55.1	56.1	58.1	52.17
51.6	51.7	51.8	52.3	52.6	53.0	53.2	53.8	55.6	57.4	60.0	60.7	46.92
50.0	50.0	51.1	51.3	51.3	51.7	52.2	52.9	54.0	56.0	57.7	57.9	51.30
51.3	51.1	51.4	50.4	49.8	50.4	50.5	52.8	53.8	54.0	56.0	55.8	54.93
44.2	49.0	46.7	47.1	48.3	49.1	49.5	48.8	50.3	51.3	52.4	53.6	55.73
—	—	—	—	—	—	—	—	—	—	—	—	54.07
46.2	52.7	53.9	53.1	52.8	53.4	53.7	53.3	54.2	55.4	56.8	57.9	51.85
52.5	53.0	53.1	53.1	54.0	54.3	53.3	53.9	55.1	58.8	58.2	61.0	52.54
53.8	54.0	53.9	54.4	54.5	55.0	54.5	55.8	56.0	57.7	59.1	60.0	52.71
—	—	—	—	—	—	—	—	—	—	—	—	52.81
51.85	52.54	52.71	52.81	53.02	53.20	53.34	53.76	55.06	56.45	57.75	58.92	53.02

TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
69.0	69.0	68.9	68.8	68.7	68.3	68.2	68.1	68.0	67.9	67.9	68.0	69.05
69.4	69.2	69.0	68.9	68.8	68.8	68.7	68.7	68.6	68.4	68.2	68.4	69.50
69.3	69.0	68.9	68.9	68.8	68.7	68.5	68.4	68.3	68.1	68.1	68.5	69.43
—	—	—	—	—	—	—	—	—	—	—	—	69.98
69.9	69.4	69.4	69.3	69.2	69.1	69.1	69.0	68.9	68.8	68.9	68.9	69.89
70.4	69.9	69.9	69.6	69.5	69.1	69.1	69.0	69.0	68.9	68.8	68.8	69.18
69.0	68.9	68.8	68.7	68.6	68.6	68.6	68.5	68.5	68.4	68.3	68.5	69.02
68.9	68.9	68.8	68.8	68.7	68.3	68.3	68.3	68.1	68.0	68.1	68.6	68.98
68.9	68.7	68.5	68.4	68.2	68.0	68.0	68.0	67.9	67.8	67.9	68.0	69.87
70.0	69.8	69.7	69.3	69.1	68.9	68.8	68.7	68.6	68.4	68.4	68.6	69.53
—	—	—	—	—	—	—	—	—	—	—	—	69.45
70.0	68.5	68.5	68.2	68.1	67.9	67.8	67.8	67.7	67.6	67.5	67.7	68.76
69.5	69.2	69.0	68.9	68.8	68.8	68.6	68.6	68.6	68.4	68.7	68.7	69.18
68.7	68.6	68.7	68.7	68.6	68.4	68.4	68.2	68.1	68.0	68.0	68.0	69.20
69.5	69.0	68.9	68.9	68.8	68.5	68.2	68.0	68.0	68.0	68.0	68.6	69.80
69.1	69.0	68.9	68.8	68.7	68.7	68.6	68.6	68.4	68.3	68.1	68.2	69.71
69.9	69.8	69.7	69.5	69.3	69.1	69.0	68.9	68.9	68.8	68.8	68.9	69.27
—	—	—	—	—	—	—	—	—	—	—	—	70.85
70.0	68.9	68.8	68.7	68.6	68.6	68.6	68.5	68.1	67.9	68.0	68.6	71.30
70.2	70.0	69.9	69.7	69.7	69.3	69.1	69.0	69.0	69.0	69.0	69.6	72.15
70.7	70.5	70.2	70.0	69.9	69.8	69.7	69.6	69.2	69.0	69.1	69.2	72.31
71.1	71.0	70.9	70.8	70.5	70.2	70.0	69.9	69.9	69.7	69.8	69.9	72.24
72.2	71.9	71.7	71.4	71.1	71.0	70.9	70.9	70.9	70.8	70.7	70.9	69.84
72.2	71.9	71.9	71.9	71.8	71.3	71.1	70.9	71.0	71.0	70.9	71.0	69.16
—	—	—	—	—	—	—	—	—	—	—	—	69.94
73.3	70.9	70.9	70.9	70.9	70.9	70.9	70.8	70.6	70.5	70.7	70.6	69.62
69.9	69.9	69.8	69.6	69.4	69.4	69.4	69.3	69.3	69.0	68.9	68.9	69.52
69.0	69.0	68.8	68.7	68.6	68.3	68.2	68.1	68.0	68.0	68.0	68.0	69.39
—	—	—	—	—	—	—	—	—	—	—	—	69.27
70.00	69.62	69.52	69.39	69.27	69.08	68.99	68.91	68.82	68.69	68.70	68.88	69.08



HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
MARCH.	1	61.3	61.9	61.0	59.3	58.0	55.4	54.1	54.8	53.8	53.1	53.5	
	2	61.6	60.1	58.4	56.8	56.0	54.9	54.2	54.2	53.8	54.1	54.1	
	3	66.9	66.0	64.0	62.0	60.0	57.2	56.2	55.1	55.0	54.8	55.0	
	4	64.8	64.0	63.9	62.2	60.4	58.1	57.0	56.2	53.2	51.4	49.1	51.3
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	59.8	61.8	61.0	59.0	60.1	57.0	52.2	50.9	49.4	49.0	48.0	42.8
	7	58.1	58.5	58.1	55.4	51.5	47.0	44.0	41.0	38.7 <sup>a</sup>	45.0	46.4	47.2
	8	61.4	61.8	63.0	61.8	60.1	57.2	55.1	54.0	53.8	53.6	53.4	53.9
	9	58.6	60.1	60.8	60.0	59.7	59.0	56.1	53.5	54.9	55.7	57.5	56.3
	10	59.8	59.2	59.3	58.7	58.4	59.8	58.1	56.8	55.3	56.9	56.0	55.4
	11	61.8	61.9	61.0	59.0	57.2	56.6	56.0	57.1	56.1	54.9	52.3	54.8
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	58.7	57.7	57.8	56.7	53.8	52.8	52.0	51.8	51.7	51.9	52.1	52.2
	14	61.0	60.0	58.4	57.5	55.0	51.6	52.0	51.9	52.6	51.8	52.6	52.7
	15	61.0	61.2	60.1	58.9	57.0	55.9	54.8	53.7	52.0	52.7	52.8	53.0
	16	63.7	63.2	61.8	59.3	56.9	53.2	52.5	51.5	51.2	50.4	50.8	51.0
	17	64.0	63.8	62.6	60.8	59.4	56.8	54.0	50.9	49.2	49.1	49.0	49.1
	18	62.1	60.0	58.2	56.4	51.0	49.0	48.0	46.8	47.0	47.0	52.0	52.8
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	59.0	58.9	57.9	58.6	57.0	55.9	54.7	53.3	53.5	52.8	50.9	51.0
	21	60.1	60.2	60.8	60.3	58.8	57.4	56.1	54.0	53.1	54.3	53.7	54.3
	22	63.4	63.4	63.1	57.0	56.1	54.9	55.2	53.0	54.2	54.8	54.5	55.0
	23	64.0	65.1	62.2	61.0	58.0	55.2	52.9	52.9	54.2	53.8	54.2	54.9
	24	60.9	61.8	61.0	59.9	58.5	57.1	56.8	56.0	55.7	55.6	56.0	56.1
	25	66.8	67.0	66.0	64.2	61.2	58.1	57.3	56.9	56.0	55.9	55.8	55.9
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	64.1	65.1	63.8	61.0	58.9	57.3	57.0	56.3	56.2	56.1	56.3	56.1
	28	65.9	65.2	64.0	61.0	59.5	59.2	59.0	57.8	57.3	57.0	57.1	57.9
	29	68.9	66.0	64.1	59.5	55.0	55.1	52.8	46.3	43.0	43.2	47.0	48.2
	30	63.5	62.0	60.3	59.0	56.3	53.0	51.8	50.4	51.0	52.4	52.2	51.9
	31	65.0	64.2	62.1	60.4	58.0	55.7	54.0	53.8	53.5	53.9	53.9	54.1
Hourly Means	62.45	62.23	61.29	59.47	57.47	55.57	54.22	53.00	52.95	52.64	52.81	53.01	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	68.4	69.0	69.7	70.2	70.8	71.0	71.0	70.9	70.7	70.2	69.8	
	2	69.2	69.8	70.1	70.1	70.3	70.4	70.6	70.2	69.8	69.8	69.7	
	3	68.7	69.0	69.3	69.7	69.8	69.8	69.9	69.9	69.7	69.4	69.3	
	4	68.0	68.1	68.4	68.7	68.9	69.0	69.1	69.1	68.9	68.7	68.4	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	68.6	68.8	69.0	69.3	69.7	70.1	70.3	70.1	69.9	69.7	69.3	
	7	68.9	69.2	69.7	69.9	70.2	70.7	70.9	70.9	—	70.9	70.8	
	8	69.0	69.1	69.4	69.7	69.9	70.0	70.2	70.1	69.9	69.9	69.8	
	9	68.9	69.0	69.0	69.1	69.1	68.9	68.8	68.8	68.8	68.7	68.5	
	10	67.9	68.1	68.3	68.8	68.9	69.0	68.9	68.8	68.7	68.4	68.3	
	11	68.0	68.7	69.0	69.6	69.9	70.1	70.1	69.8	69.3	69.1	69.0	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	68.0	68.4	68.8	69.0	69.6	69.8	69.9	69.8	69.4	69.2	69.0	
	14	68.3	68.7	69.0	69.3	69.9	69.9	69.8	69.6	69.4	69.1	69.0	
	15	68.1	68.2	68.5	68.7	69.1	69.6	69.8	69.8	69.7	69.5	69.0	
	16	68.7	69.1	69.5	69.8	70.0	70.2	70.7	70.6	70.1	70.0	69.8	
	17	68.8	69.3	69.9	70.9	71.8	72.1	72.1	72.0	71.8	71.1	71.0	
	18	69.9	70.2	70.9	71.5	72.1	72.8	73.1	73.0	72.8	72.2	71.9	
	19	—	—	—	—	—	—	—	—	—	—	—	
	20	68.9	68.9	69.3	69.8	70.0	70.0	70.1	70.0	69.9	69.7	69.6	
	21	68.5	68.7	68.8	68.9	69.1	69.2	69.0	69.0	69.0	68.9	68.9	
	22	68.6	69.0	69.2	69.8	69.9	69.6	69.2	68.8	68.6	68.4	68.1	
	23	68.2	68.7	69.0	69.8	70.0	70.1	69.9	69.8	69.8	69.8	69.4	
	24	68.0	68.3	68.7	68.9	69.1	69.1	69.3	69.2	68.9	68.8	68.6	
	25	67.9	68.3	68.7	69.0	69.0	69.1	69.0	69.0	68.9	68.6	68.3	
	26	—	—	—	—	—	—	—	—	—	—	—	
	27	68.3	68.9	69.1	69.8	70.1	70.7	70.9	70.9	70.7	70.2	70.0	
	28	68.7	69.0	69.2	69.6	69.7	69.7	69.6	69.4	69.1	69.0	68.9	
	29	68.1	68.7	68.9	69.1	69.1	69.1	69.0	69.0	69.0	69.0	69.1	
	30	68.9	69.0	69.3	69.3	69.7	69.8	69.8	69.7	69.5	69.2	69.1	
	31	68.0	68.5	69.0	69.1	69.7	70.0	70.0	69.9	69.8	69.5	69.2	
Hourly Means	68.50	68.84	69.17	69.53	69.83	69.99	70.04	69.93	69.69	69.52	69.33		

<sup>a</sup> Omitted in the means; temperature not recorded.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00023.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
54.3	54.6	54.9	54.9	55.1	54.9	54.3	54.8	56.0	57.8	59.4	61.7	56.33
54.1	54.7	54.7	54.7	55.0	55.6	56.0	55.7	57.2	59.2	62.9	65.9	56.59
55.9	55.9	56.0	55.9	56.2	56.0	56.8	56.7	57.8	59.6	62.0	64.7	58.40
—	—	—	—	—	—	—	—	—	—	—	—	55.95
51.0	53.8	55.5	54.0	54.0	55.2	54.6	54.4	54.2	53.7	54.0	56.9	52.08
43.8	46.8	50.7	49.5	47.7	48.8	47.9	48.1	52.1	53.0	54.4	56.2	52.41
48.3	50.0	50.2	53.2	53.3	54.0	54.8	56.0	55.2	57.8	59.5	61.0	56.53
54.1	54.2	54.7	54.5	55.0	55.0	55.6	56.0	56.3	57.0	58.0	57.2	57.47
56.8	56.0	56.6	55.9	56.2	56.2	57.4	57.9	57.3	58.2	58.8	59.7	57.57
55.7	56.1	54.9	54.9	56.3	57.0	57.6	57.9	58.4	58.6	59.9	60.7	55.29
—	—	—	—	—	—	—	—	—	—	—	—	54.19
55.5	53.3	52.3	52.4	52.6	51.0	51.2	51.9	52.6	53.9	55.2	56.3	54.70
52.8	53.0	54.2	53.9	54.0	52.3	52.7	53.1	53.7	54.9	57.4	59.4	55.93
52.6	52.9	53.2	53.3	54.4	54.2	54.4	54.5	54.3	55.8	57.0	59.1	55.73
53.4	54.0	54.8	54.8	54.9	54.3	54.7	55.0	55.0	57.4	59.2	61.8	55.60
52.0	53.2	53.5	54.7	55.1	55.7	55.1	55.4	56.1	58.0	59.9	63.2	53.48
51.0	53.0	51.0	50.8	52.9	53.8	54.6	55.8	57.8	60.0	62.1	63.0	55.10
—	—	—	—	—	—	—	—	—	—	—	—	57.40
50.2	52.1	54.2	53.9	53.8	53.9	54.4	55.4	55.7	55.7	56.1	57.8	57.39
52.7	55.0	53.1	53.3	54.1	54.0	54.7	54.9	55.1	56.1	57.1	58.8	57.27
54.9	55.2	56.8	56.8	56.5	56.2	56.9	57.6	58.4	59.4	61.8	63.9	58.55
56.2	54.7	58.1	55.1	55.9	56.3	56.6	57.4	59.2	59.9	60.0	62.1	59.88
55.8	55.9	57.1	56.8	56.5	57.8	56.3	56.9	56.1	57.9	58.6	60.3	58.90
56.5	56.8	56.8	56.8	57.2	58.0	57.8	58.2	60.3	63.1	63.3	65.1	60.33
—	—	—	—	—	—	—	—	—	—	—	—	53.99
56.8	58.9	58.8	58.7	58.8	59.1	59.7	59.9	59.5	60.6	62.0	63.2	55.67
56.2	56.7	57.0	57.8	57.1	57.6	57.8	58.5	59.1	60.6	62.1	64.8	58.03
58.0	57.8	57.6	57.6	57.8	58.0	58.2	59.0	62.0	63.0	64.9	67.1	—
49.2	50.0	50.7	50.6	51.2	52.2	52.7	53.7	55.2	57.8	60.8	62.6	—
51.9	53.1	53.7	53.7	54.0	55.0	54.5	54.9	56.2	59.0	62.2	64.0	—
54.9	55.8	55.9	56.2	56.6	57.7	58.0	58.3	59.6	61.2	64.0	65.8	—
53.50	54.20	54.70	54.62	54.90	55.18	55.38	55.85	56.68	58.12	59.73	61.57	56.32

TEMPERATURE OF THE BIFILAR MAGNET.												
69.6	69.4	69.2	69.0	69.0	68.9	68.9	68.9	68.8	68.6	68.4	68.9	69.55
69.1	69.0	69.1	69.1	68.9	68.8	68.7	68.5	68.4	68.2	68.2	68.3	69.32
68.9	68.8	68.8	68.7	68.5	68.6	68.6	68.4	68.3	68.1	68.1	68.0	68.98
—	—	—	—	—	—	—	—	—	—	—	—	68.54
67.9	68.9	68.8	68.7	68.6	68.5	68.4	68.1	68.1	68.1	68.3	68.4	69.18
69.0	69.0	69.1	69.0	68.9	68.8	68.8	68.8	68.9	68.8	68.7	68.7	69.80
70.3	70.1	69.9	69.7	69.5	69.3	69.1	69.0	69.0	68.9	68.9	68.9	69.36
69.4	69.2	69.2	69.2	69.1	69.0	69.0	68.9	68.8	68.8	68.8	68.8	68.41
68.5	68.3	68.1	68.1	68.0	68.0	67.9	67.9	67.8	67.7	67.7	67.7	68.11
68.0	68.0	67.9	67.8	67.8	67.8	67.6	67.6	67.4	67.4	67.5	67.8	68.67
—	—	—	—	—	—	—	—	—	—	—	—	68.67
68.8	68.2	68.3	68.1	68.1	68.0	67.9	67.8	67.8	67.8	67.9	67.9	68.76
68.8	68.7	68.5	68.4	68.1	68.1	68.0	67.9	67.9	67.9	68.0	68.0	68.53
68.8	68.7	68.6	68.4	68.4	68.3	68.1	68.0	68.0	68.0	68.0	68.0	69.18
68.7	68.4	68.1	68.0	67.9	67.8	67.7	67.7	67.7	67.8	67.9	68.1	70.14
69.1	69.0	68.9	68.8	68.7	68.7	68.4	68.1	68.0	68.0	68.0	68.4	70.68
70.1	69.9	69.7	69.5	69.2	69.0	68.9	68.8	68.8	68.8	69.0	69.2	69.25
—	—	—	—	—	—	—	—	—	—	—	—	68.50
71.0	69.7	69.7	69.7	69.5	69.5	69.4	69.3	69.3	69.2	69.1	69.0	68.52
69.1	69.0	69.0	69.0	68.9	68.8	68.8	68.8	68.8	68.8	68.8	68.6	68.72
68.7	68.6	68.4	68.2	68.0	68.0	67.9	67.8	67.8	67.7	68.0	68.1	68.14
68.1	68.4	68.4	68.3	68.3	68.1	68.1	68.1	68.0	67.8	67.7	67.8	68.24
68.7	68.4	68.3	68.1	67.9	67.9	67.8	67.7	67.7	67.7	67.7	67.8	69.44
68.0	68.0	67.8	67.7	67.6	67.5	67.4	67.2	67.1	67.0	67.3	67.8	68.71
—	—	—	—	—	—	—	—	—	—	—	—	68.88
68.0	67.9	67.9	67.9	67.8	67.8	67.8	67.7	67.7	67.6	67.8	68.0	68.90
69.7	69.3	69.2	69.0	68.9	68.9	68.8	68.7	68.7	68.6	68.6	68.6	68.85
68.7	68.6	68.5	68.5	68.3	68.1	68.0	68.0	67.9	67.9	67.9	67.9	—
69.1	69.1	69.1	69.0	68.9	68.9	68.8	68.8	68.7	68.5	68.5	68.4	—
68.9	68.8	68.7	68.7	68.7	68.6	68.5	68.3	68.2	68.0	68.0	68.0	—
69.0	68.8	68.8	68.7	68.5	68.2	68.2	68.1	68.0	68.0	68.0	68.3	—
68.96	68.82	68.74	68.64	68.52	68.44	68.35	68.26	68.21	68.14	68.18	68.27	68.96

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00023.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> . $\frac{1}{4}$	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
APRIL.	1	65.5	64.0	62.9	60.1	58.8	56.8	55.3	54.4	53.2	52.3	52.9	53.8
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	67.5	66.9	62.0	57.2	53.9	54.2	53.0	52.0	51.5	50.8	50.3	51.9
	4	66.1	66.2	65.0	62.0	59.0	57.6	56.5	55.7	55.0	54.8	54.8	54.9
	5	70.4	69.5	65.6	58.0	50.1	40.3	32.5	29.0	20.1	17.9	22.9	27.0
	6	53.1	53.6	49.1	47.0	46.4	46.2	46.0	47.0	47.5	48.4	47.4	46.0
	7	57.9	57.9	56.0	52.7	52.0	50.2	49.2	50.2	47.8	49.9	49.1	48.1
	8	57.8	58.2	55.3	53.8	52.7	50.5	54.0	48.0	46.9	47.8	49.4	50.7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	60.4	61.0	61.0	58.5	55.5	54.9	54.0	53.5	53.4	53.7	53.9	53.9
	11	63.1	62.1	60.1	59.0	56.2	55.4	55.3	53.3	51.3	51.9	52.1	52.0
	12	66.5	66.0	63.8	61.8	59.5	54.0	46.8	44.2	44.8	47.3	52.2	51.9
	13	63.6	64.1	62.2	59.3	55.6	52.7	52.0	51.7	52.2	52.7	54.2	51.0
	14	62.1	63.0	61.5	60.0	57.8	54.1	49.2	48.8	49.3	49.0	52.8	50.9
	15	61.0	60.4	60.2	58.1	56.8	55.0	53.0	51.2	52.0	50.5	51.1	52.9
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	66.1	66.1	64.5	60.8	59.0	58.8	55.2	54.5	55.0	55.2	54.8	56.2
	18	65.9	65.8	64.1	61.5	60.0	58.1	52.2	49.2	52.2	52.2	51.0	51.4
	19	62.5	62.0	60.9	59.1	58.7	57.8	56.0	55.9	55.8	56.0	55.9	56.1
	20	61.2	61.4	59.9	57.5	55.9	55.0	55.1	54.8	55.0	55.3	55.2	55.0
	21	62.9	62.0	59.9	56.2	54.4	54.9	54.5	55.4	56.0	56.2	56.0	56.0
	22	63.3	63.0	61.9	60.1	58.4	57.8	57.3	57.2	56.9	57.2	56.1	56.2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	65.1	64.7	62.3	59.8	58.0	57.0	56.1	56.8	56.4	56.8	56.6	57.0
	25	68.0	67.9	65.9	62.7	60.2	59.0	58.2	58.2	58.0	58.2	57.8	58.1
	26	67.1	66.3	64.0	60.2	58.7	57.0	56.5	56.5	57.1	57.1	56.9	56.9
	27	66.7	64.8	62.1	58.3	55.5	53.0	52.1	52.9	53.7	53.8	54.1	54.1
	28	66.1	65.8	63.0	60.0	58.0	56.7	55.3	54.3	54.8	55.7	56.0	56.6
	29	67.9	67.6	65.6	63.1	62.0	60.3	59.1	57.8	57.0	57.5	57.9	57.9
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	63.91	63.61	61.55	58.67	56.54	54.69	52.98	52.10	51.72	51.93	52.46	52.66	
TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	68.7	69.0	69.6	70.0	70.4	70.8	70.9	70.8	70.5	70.0	69.8	69.3
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	67.7	68.0	68.6	69.0	69.9	70.3	70.8	70.8	70.5	70.1	69.7	69.1
	4	68.7	68.9	69.4	69.7	69.9	69.8	69.8	69.6	69.2	69.0	68.9	68.8
	5	68.1	68.3	68.7	68.9	69.0	69.0	68.8	68.8	68.8	68.8	68.8	68.7
	6	67.9	68.0	68.0	68.2	68.5	68.3	68.2	68.1	68.0	68.0	67.8	67.8
	7	67.9	68.4	68.9	69.7	70.0	70.1	70.1	69.9	69.6	69.0	68.8	68.4
	8	68.0	68.9	69.0	69.4	69.8	70.0	70.2	69.9	69.9	69.7	69.2	69.0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	68.0	68.6	68.8	69.0	69.0	69.0	69.1	69.0	68.8	68.7	68.4	68.3
	11	67.9	68.2	68.7	69.0	69.3	69.6	69.4	69.1	69.0	68.9	68.5	68.2
	12	67.4	67.8	68.0	68.2	68.8	69.0	69.0	69.0	68.9	68.9	68.5	68.2
	13	68.2	68.9	69.4	70.0	70.7	71.0	71.1	70.9	70.6	70.1	69.8	69.5
	14	68.7	69.0	69.1	70.0	70.1	70.1	70.1	70.0	69.8	69.4	69.1	69.0
	15	68.6	69.0	69.1	69.3	69.7	69.9	70.0	69.9	69.7	69.3	69.0	68.9
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	68.1	68.7	69.2	69.7	70.0	70.0	70.2	70.0	69.9	69.3	69.0	68.8
	18	68.0	68.3	68.7	69.0	69.0	69.2	69.5	69.3	69.1	69.0	68.7	68.5
	19	68.1	68.9	69.1	69.4	69.7	69.9	69.8	69.8	69.3	69.0	68.9	68.9
	20	68.3	68.8	69.0	69.9	70.2	70.4	70.2	70.0	70.0	69.6	69.1	68.9
	21	68.0	68.7	68.9	69.6	69.7	69.8	69.8	69.0	68.8	68.3	68.1	68.0
	22	67.8	68.1	68.4	68.8	69.3	69.8	69.8	69.4	69.0	68.9	68.5	68.1
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	68.0	68.2	68.9	69.0	69.4	69.6	69.3	69.0	68.8	68.6	68.1	68.0
	25	67.1	67.7	68.0	68.6	68.8	68.9	69.0	68.8	68.4	68.2	68.0	67.8
	26	67.1	67.4	67.9	68.0	68.2	68.2	68.2	68.0	68.0	67.9	67.6	67.4
	27	67.8	68.1	69.0	69.7	69.9	70.0	69.8	69.5	69.0	68.9	68.8	68.6
	28	67.9	68.2	68.7	68.8	68.8	68.8	68.8	68.8	68.7	68.3	68.0	67.6
	29	67.6	68.0	68.3	68.7	68.8	69.0	69.0	69.0	68.7	68.4	68.1	68.0
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	67.97	68.40	68.78	69.18	69.48	69.62	69.64	69.46	69.24	68.97	68.69	68.47	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°, = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
54.6	57.0	57.7	57.9	57.2	57.6	58.0	57.2	58.2	61.3	63.9	66.0	58.19
52.9	53.5	56.8	55.8	55.8	56.2	56.6	57.0	57.3	59.8	62.2	65.0	56.67
56.9	57.1	57.8	58.4	57.6	57.1	58.1	61.8	61.2	62.2	66.0	68.8	59.61
34.1	37.4	48.1	45.7	48.0	48.0	48.3	50.0	50.0	50.3	49.5	54.0	44.45
45.0	47.0	54.3	55.0	50.0	52.2	51.7	51.9	54.0	55.1	56.2	58.0	50.34
49.9	54.9	52.5	53.2	55.0	56.1	56.8	54.8	55.2	54.8	54.9	56.8	53.16
54.9	53.3	54.2	54.0	57.2	54.8	55.2	54.2	56.0	56.8	60.7	60.2	54.03
54.1	54.1	55.7	55.0	54.3	55.2	55.2	56.9	58.2	59.2	61.9	62.2	56.49
53.1	54.0	54.7	55.8	56.0	57.2	57.5	58.3	59.7	62.2	63.4	65.1	57.03
51.9	51.3	52.0	52.2	54.0	55.3	55.1	55.5	55.7	56.1	60.0	62.2	55.04
50.0	52.8	53.4	54.1	55.3	55.2	53.0	55.2	55.2	57.2	59.0	61.8	55.56
53.8	52.9	53.0	53.0	54.0	53.4	54.8	53.9	54.1	56.0	57.6	60.2	54.80
56.1	56.0	56.8	57.8	58.1	58.2	58.2	58.2	59.0	61.5	63.7	65.1	57.12
56.1	57.6	54.8	57.7	55.2	55.8	58.5	59.0	58.4	59.6	61.0	63.8	58.49
53.1	54.4	53.4	55.5	55.2	56.8	57.1	57.8	57.4	58.5	59.4	60.6	56.78
56.1	56.1	56.2	56.4	56.0	56.6	56.8	57.0	56.9	57.0	58.7	59.9	57.52
54.1	55.0	55.7	56.4	56.7	57.3	57.4	57.8	58.7	60.7	61.9	62.9	57.33
56.1	56.1	57.0	57.0	57.5	59.0	58.0	58.0	58.9	60.0	62.1	63.1	57.80
56.9	56.7	56.8	57.3	58.0	58.1	58.2	58.4	59.0	60.2	61.7	63.2	58.76
57.1	56.8	57.2	57.5	58.0	58.0	58.3	59.2	59.8	61.8	65.0	67.1	59.27
58.9	58.1	59.4	59.2	58.6	58.2	59.8	59.2	59.7	61.1	63.3	65.9	60.57
57.9	58.1	58.8	59.2	59.3	59.2	59.8	59.9	60.3	62.6	64.0	66.7	60.00
55.3	55.4	56.3	56.5	56.8	57.6	57.9	58.8	59.2	60.9	63.0	65.0	57.66
57.0	57.1	57.9	58.0	58.3	58.6	58.7	59.0	60.2	62.7	64.7	66.7	59.22
58.7	56.2	56.0	56.8	57.7	58.8	59.4	60.7	60.3	62.0	64.2	65.3	60.41
53.78	54.36	55.46	55.82	55.99	56.42	56.74	57.19	57.70	59.18	61.12	63.02	56.65

TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
69.0	68.2	68.1	67.9	67.9	67.9	67.9	67.8	67.7	67.3	67.3	67.3	68.91
69.0	68.9	68.8	68.8	68.7	68.6	68.3	68.1	68.1	68.1	68.0	68.1	69.01
68.7	68.6	68.6	68.6	68.5	68.4	68.4	68.1	68.0	68.0	68.0	68.1	68.82
68.7	68.7	68.7	68.6	68.6	68.5	68.4	68.3	68.1	68.1	67.9	67.8	68.55
67.7	67.5	67.5	67.6	67.7	67.9	67.8	67.8	67.8	67.6	67.2	67.4	67.85
68.1	68.0	67.9	67.7	67.6	67.4	67.3	67.1	67.1	67.2	67.3	67.8	68.39
68.8	67.8	67.9	67.9	67.9	67.9	67.8	67.7	67.7	67.6	67.7	67.8	68.65
68.1	68.1	68.0	68.0	67.9	67.9	67.9	67.9	67.9	67.8	67.7	67.7	68.32
68.0	68.0	68.2	68.1	67.9	67.9	67.7	67.6	67.5	67.2	67.3	67.2	68.27
67.9	67.7	67.7	67.6	67.2	67.1	67.0	67.0	67.0	67.1	67.2	67.8	67.92
69.1	69.1	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.2	68.3	68.5	69.38
68.9	68.9	68.9	68.9	68.9	68.8	68.7	68.5	68.2	68.2	68.2	68.2	69.08
68.8	67.9	68.0	67.9	67.7	67.7	67.6	67.5	67.3	67.1	67.3	67.8	68.54
68.4	68.1	67.9	67.8	67.8	67.7	67.7	67.5	67.4	67.2	67.6	67.8	68.58
68.2	68.1	68.2	68.0	67.9	67.7	67.6	67.5	67.2	67.0	67.3	67.7	68.28
68.9	68.9	68.9	68.9	68.9	68.9	68.7	68.5	68.3	68.0	68.0	68.2	68.91
68.8	68.2	68.4	68.0	67.9	67.9	67.6	67.4	67.2	67.1	67.1	67.6	68.65
67.8	67.6	67.4	67.1	67.0	67.0	67.0	67.0	67.0	66.9	67.0	67.3	68.03
68.0	67.6	67.6	67.5	67.3	67.1	67.0	67.0	67.0	67.0	67.1	67.5	68.07
67.9	67.8	67.5	67.2	67.2	67.0	66.9	66.9	66.8	66.8	66.6	66.9	67.93
67.6	67.3	67.2	67.2	67.1	66.9	66.9	66.8	66.8	66.8	66.8	66.9	67.65
67.3	67.0	67.0	67.0	66.9	66.9	66.9	66.9	66.9	66.8	66.9	67.1	67.40
68.2	68.0	68.0	68.0	67.8	67.8	67.6	67.3	67.1	67.1	67.1	67.6	68.36
67.4	67.3	67.2	67.1	67.1	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.78
67.9	67.5	67.5	67.4	67.3	67.2	67.1	67.1	67.0	66.9	67.0	67.0	67.85
68.29	68.03	68.01	67.91	67.82	67.76	67.66	67.56	67.46	67.36	67.39	67.61	68.37

HORIZONTAL FORCE.													
One Scale Division = 00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
MAY.	1	66.4	65.3	63.8	60.3	57.4	56.5	55.2	54.1	53.9	54.0	54.1	54.2
	2	66.1	66.7	64.8	62.9	60.0	58.1	56.8	55.2	54.9	54.8	54.9	54.9
	3	65.4	65.0	63.1	61.0	59.8	58.1	57.0	56.8	56.8	56.9	56.9	57.0
	4	68.0	67.0	66.1	63.0	59.7	58.4	56.3	56.1	55.9	56.3	56.5	56.8
	5	67.1	67.0	65.7	64.3	62.3	60.8	59.0	58.5	58.2	58.1	58.0	58.0
	6	68.1	68.9	68.3	66.0	64.2	61.7	61.2	57.9	53.6	54.2	42.0	24.4
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	59.1	58.1	57.1	56.0	54.3	53.0	51.8	51.0	51.0	50.7	51.0	51.5
	9	58.6	58.5	57.2	55.1	53.1	52.5	51.8	51.0	49.8	49.9	53.0	52.8
	10	60.0	58.9	57.2	53.2	50.3	50.5	50.5	51.7	50.5	51.3	52.8	53.7
	11	61.5	61.0	60.0	57.6	56.8	55.2	53.7	53.8	54.8	54.8	54.3	54.3
	12	61.0	60.0	59.2	58.1	56.9	55.1	54.9	54.0	54.2	54.3	54.1	54.1
	13	61.9	61.0	60.1	58.9	56.5	56.0	55.0	54.5	54.1	54.8	54.9	55.0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	67.7	69.3	70.2	68.8	68.2	65.8	62.0	63.1	53.8	46.9	50.9	52.9
	16	61.8	62.5	60.8	58.0	56.6	57.0	56.1	56.0	55.7	54.4	55.6	55.0
	17	62.6	62.6	61.9	61.1	59.9	59.0	57.8	56.8	56.2	55.6	56.1	56.1
	18	63.8	64.6	63.9	61.2	60.2	59.2	58.8	57.8	57.2	58.2	58.2	58.5
	19	65.0	64.4	62.1	60.2	59.1	59.1	59.3	59.2	58.9	59.2	59.1	59.0
	20	70.7	68.9	65.6	63.7	61.9	61.6	60.4	60.1	60.0	60.1	60.0	60.0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	68.0	67.7	66.9	64.6	62.8	62.2	62.3	62.7	62.5	62.7	62.6	61.5
	23	65.9	64.1	62.9	60.1	58.1	58.3	59.1	59.9	60.0	60.0	59.9	60.0
	24	67.6	67.8	67.7	66.2	64.2	61.1	60.8	60.4	60.8	61.0	61.4	61.3
	25	67.8	68.8	68.0	67.0	65.0	63.0	61.9	61.3	60.3	60.2	61.1	60.8
	26	73.0	72.5	70.5	68.9	67.0	65.2	64.1	62.2	60.5	58.3	57.8	58.8
	27	66.2	64.9	63.1	61.9	60.6	59.0	58.3	57.2	56.4	57.2	56.3	56.0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	71.9	73.0	76.9	73.8	69.1	64.7	63.7	61.0	61.0	60.6	59.8	59.1
	30	69.0	69.4	68.0	64.1	61.4	60.0	58.5	58.3	58.4	58.9	58.9	58.9
	31	69.4	68.7	67.1	64.9	62.0	60.2	59.0	58.1	58.2	58.9	59.1	59.1
Hourly Means	65.69	65.43	64.38	62.26	60.27	58.94	57.97	57.36	56.58	56.38	56.27	55.69	
TEMPERATURE OF THE BIFILAR MAGNET.													
MAY.	1	67.7	68.0	68.6	69.0	69.2	69.6	69.7	69.3	69.0	68.7	68.2	68.0
	2	67.8	68.2	68.8	69.0	69.5	69.8	69.8	69.6	69.1	68.9	68.6	68.2
	3	67.8	68.0	68.7	69.0	69.6	69.7	69.9	69.3	69.1	68.8	68.6	68.3
	4	68.0	68.2	68.8	69.3	69.9	70.1	70.0	69.9	69.5	69.0	68.8	68.4
	5	67.5	67.9	68.0	68.1	68.6	68.6	68.2	68.0	67.9	67.8	67.7	67.3
	6	66.7	66.9	67.0	67.3	67.7	67.9	67.9	67.7	67.5	67.1	66.9	66.8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	64.6	64.7	64.9	65.0	65.0	65.0	64.9	64.8	64.7	64.7	64.5	64.4
	9	64.8	64.9	65.0	65.2	65.2	65.5	65.8	65.8	65.7	65.5	65.3	65.3
	10	65.3	65.6	65.6	66.0	66.1	66.1	66.1	66.0	65.9	65.7	65.3	65.1
	11	64.6	64.8	64.9	65.3	65.7	65.8	65.7	65.6	65.3	65.1	65.1	65.0
	12	64.8	65.0	65.3	65.8	66.0	66.3	66.4	66.1	65.9	65.7	65.3	65.1
	13	65.1	65.1	65.3	65.8	66.0	66.2	66.3	66.2	66.0	65.9	65.6	65.3
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	64.9	65.4	65.9	66.1	66.4	66.6	66.4	66.1	66.0	65.6	65.5	65.2
	16	65.0	65.4	65.6	65.7	65.7	65.8	65.8	65.7	65.5	65.4	65.2	65.1
	17	64.4	64.6	64.7	64.7	64.8	64.9	64.9	64.8	64.7	64.5	64.2	64.1
	18	63.8	63.9	63.9	63.9	64.1	64.4	64.4	64.2	64.0	64.0	63.9	63.8
	19	63.1	63.3	63.4	63.6	63.6	63.6	63.7	63.5	63.5	63.3	63.1	63.0
	20	63.0	63.2	63.4	63.7	63.9	63.9	63.8	63.7	63.6	63.4	63.2	63.0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	62.6	62.8	63.0	63.5	63.8	63.9	64.0	64.0	63.7	63.2	63.1	63.0
	23	62.8	63.0	63.4	63.8	63.9	64.1	64.0	63.8	63.7	63.6	63.2	63.1
	24	62.4	62.8	63.0	63.1	63.4	63.5	63.5	63.3	63.1	63.0	62.8	62.7
	25	62.6	63.0	63.1	63.4	63.7	63.7	63.7	63.5	63.2	63.0	62.9	62.9
	26	62.7	63.0	63.1	63.5	63.9	64.1	64.1	64.0	64.0	63.9	63.7	63.6
	27	63.1	63.6	63.8	64.2	64.7	65.0	64.3	65.0	65.0	64.8	64.3	63.9
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	62.8	62.9	63.0	63.3	63.6	63.7	63.8	63.8	63.7	63.6	63.3	63.1
	30	62.4	62.9	63.4	64.0	64.5	64.8	64.7	64.3	64.0	63.9	63.6	63.3
	31	63.1	63.9	64.5	65.0	65.7	65.9	66.0	65.6	65.0	64.6	64.1	64.0
Hourly Means	64.57	64.85	65.11	65.42	65.71	65.87	65.84	65.69	65.49	65.29	65.04	64.85	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
55.0	55.7	55.8	57.8	57.5	57.1	57.5	58.2	58.6	60.1	62.9	64.9	58.18
55.1	56.0	57.0	57.5	57.5	57.6	57.7	58.1	58.8	60.1	62.8	64.4	58.86
57.1	57.9	57.8	58.2	58.8	59.1	59.2	59.5	59.9	60.5	62.6	65.2	59.57
56.6	56.0	58.0	58.5	58.5	58.0	58.7	59.2	59.6	62.2	64.1	66.0	59.81
58.2	58.7	58.9	59.2	59.6	59.1	59.9	59.5	60.5	62.3	64.7	65.9	60.98
—	—	—	—	—	—	—	—	—	—	—	—	—
16.2	48.4	47.6	48.2	47.7	48.4	49.6	50.4	50.9	53.0	55.0	56.6	52.60
52.1	55.0	52.6	51.7	52.0	51.5	52.1	52.0	52.0	54.3	56.5	58.1	53.52
52.9	53.0	53.2	54.4	54.4	54.8	54.2	53.2	55.0	55.2	56.0	57.9	54.06
57.0	54.4	54.2	54.8	55.8	55.7	55.7	55.9	56.5	57.7	59.0	62.0	54.97
54.8	56.0	54.8	55.2	54.2	55.2	55.4	56.1	57.2	59.2	60.1	62.0	56.58
55.1	55.1	55.2	56.5	56.4	56.2	57.1	56.7	56.6	56.8	59.4	60.8	56.58
—	—	—	—	—	—	—	—	—	—	—	—	—
55.1	56.7	57.7	58.4	58.7	60.1	61.9	62.4	62.6	63.0	65.1	66.3	58.78
54.8	56.8	54.3	53.8	58.9	58.6	58.8	57.0	58.8	59.9	60.0	62.0	59.72
55.0	55.0	57.2	57.3	57.0	57.2	56.8	57.0	57.4	58.0	59.9	61.0	57.43
57.6	58.0	57.7	57.7	58.6	57.8	59.0	59.6	59.6	59.8	60.1	61.6	58.87
58.2	58.8	58.6	59.5	59.2	59.0	59.9	59.3	60.4	61.4	62.5	63.8	60.09
59.1	59.1	58.9	59.6	60.2	60.1	60.8	61.1	61.6	63.4	65.0	68.5	60.92
—	—	—	—	—	—	—	—	—	—	—	—	—
60.0	60.4	60.8	61.0	61.0	61.1	61.9	62.1	62.5	63.3	65.5	66.9	62.48
61.1	61.2	62.2	62.0	62.3	62.4	62.4	62.2	62.4	63.0	64.8	65.8	63.26
59.8	59.1	59.5	60.1	61.0	61.0	61.8	61.9	62.3	63.0	64.4	66.1	61.18
60.7	62.3	62.3	62.4	62.1	61.9	62.2	62.9	63.5	64.2	65.1	66.6	63.19
60.3	61.0	61.7	62.1	62.5	62.5	62.0	63.0	63.5	65.0	66.8	69.9	63.56
59.3	57.1	55.3	57.9	59.2	60.9	62.0	62.4	63.8	66.6	68.0	67.1	63.27
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	60.2	60.8	61.2	61.5	61.9	62.2	62.3	63.6	65.3	66.9	69.8	61.24
58.9	60.0	59.3	60.1	60.5	62.0	63.0	61.1	60.4	61.1	64.1	66.6	63.82
59.0	59.7	60.1	60.3	60.2	61.1	60.6	60.9	61.2	63.0	64.7	67.6	61.79
59.3	59.9	60.0	60.0	60.8	61.1	60.1	60.0	61.1	62.1	64.5	68.7	61.76
55.75	57.46	57.46	57.98	58.37	58.57	58.98	59.04	59.64	60.87	62.61	64.52	59.52
TEMPERATURE OF THE BIFILAR MAGNET.												
67.9	67.8	67.7	67.4	67.2	67.1	67.0	67.0	67.0	66.9	67.0	67.1	68.00
68.0	67.9	67.9	67.8	67.7	67.5	67.5	67.5	67.5	67.5	67.5	67.7	68.30
68.1	68.0	67.9	67.9	67.9	67.8	67.8	67.8	67.8	67.7	67.7	67.9	68.38
68.2	68.0	67.9	67.8	67.7	67.6	67.4	67.0	67.0	66.9	66.9	67.1	68.31
67.1	66.9	66.9	66.8	66.7	66.7	66.8	66.7	66.4	66.1	66.2	66.5	67.31
—	—	—	—	—	—	—	—	—	—	—	—	—
66.8	65.2	65.1	65.0	64.9	64.9	64.8	64.8	64.8	64.8	64.8	64.7	66.17
64.4	64.4	64.4	64.5	64.4	64.5	64.3	64.1	64.1	64.1	64.3	64.6	64.55
65.2	65.1	65.0	65.0	65.0	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.15
65.0	65.0	64.9	64.7	64.6	64.3	64.2	64.1	64.0	64.0	64.2	64.3	65.09
65.0	64.9	64.8	64.7	64.6	64.6	64.6	64.6	64.6	64.4	64.2	64.6	64.94
65.0	64.9	64.7	64.7	64.7	64.7	64.8	64.7	64.7	64.7	64.8	64.9	65.21
—	—	—	—	—	—	—	—	—	—	—	—	—
65.1	64.6	64.6	64.4	64.3	64.1	64.1	64.1	64.1	64.0	64.0	64.2	65.02
65.0	65.0	65.0	64.9	65.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.39
65.0	64.9	64.8	64.7	64.6	64.6	64.6	64.4	64.0	64.0	64.0	64.2	64.99
64.0	63.9	63.9	63.7	63.6	63.6	63.5	63.5	63.4	63.4	63.3	63.6	64.11
63.7	63.6	63.5	63.4	63.4	63.4	63.4	63.1	63.1	63.0	63.0	63.1	63.67
63.0	63.0	62.9	62.9	62.9	62.8	62.8	62.7	62.7	62.7	62.8	62.8	63.11
—	—	—	—	—	—	—	—	—	—	—	—	—
63.0	62.8	62.8	62.8	62.7	62.5	62.4	62.2	62.1	62.1	62.2	62.3	62.99
63.0	62.9	62.8	62.7	62.7	62.6	62.5	62.4	62.3	62.3	62.4	62.6	62.99
63.0	62.9	62.8	62.8	62.6	62.4	62.2	62.1	62.1	62.1	62.1	62.2	62.99
62.6	62.5	62.5	62.4	62.4	62.3	62.1	62.0	62.0	62.1	62.1	62.2	62.66
62.9	62.9	62.8	62.8	62.6	62.6	62.5	62.3	62.2	62.2	62.4	62.4	62.89
63.4	63.1	63.0	62.9	62.9	63.0	62.9	62.9	62.9	62.8	62.9	63.0	63.30
—	—	—	—	—	—	—	—	—	—	—	—	—
63.7	63.3	63.1	63.0	63.0	62.9	62.6	62.5	62.5	62.5	62.5	62.7	63.58
63.0	62.9	62.8	62.4	62.2	62.0	62.0	61.9	61.9	61.9	61.9	62.1	62.82
63.1	63.0	63.0	63.0	63.0	62.9	62.7	62.7	62.6	62.4	62.7	62.9	63.33
63.9	63.9	63.9	63.9	63.8	63.8	63.8	63.8	63.7	63.5	63.3	63.4	64.25
64.74	64.57	64.49	64.41	64.34	64.26	64.19	64.10	64.05	63.99	64.04	64.19	64.80

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah <sup>t</sup> . .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
JUNE.	1	68.3	69.0	68.0	66.0	64.2	62.9	62.0	61.4	61.2	61.0	60.7	60.6
	2	68.8	68.0	63.7	61.5	60.1	60.0	59.6	59.8	61.0	61.1	60.6	56.8
	3	65.1	66.1	66.0	63.1	60.2	58.3	57.2	54.8	54.7	55.9	57.0	57.0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	65.2	64.2	62.3	59.8	58.2	56.9	55.8	55.0	55.0	54.9	55.0	54.7
	6	62.8	61.4	60.4	59.2	58.9	58.9	59.0	58.2	58.0	58.1	57.9	57.9
	7	63.0	63.7	62.0	59.4	58.3	58.1	57.4	56.3	56.7	55.1	59.6	57.0
	8	64.8	65.1	64.0	61.9	58.9	58.6	58.8	59.0	58.4	58.4	58.1	60.0
	9	65.0	65.2	62.6	60.6	59.7	59.3	59.4	59.3	59.8	60.0	59.9	60.0
	10	67.5	66.2	64.0	63.3	64.0	62.8	61.8	60.9	58.2	57.9	61.0	58.9
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	69.7	70.2	69.8	67.7	64.6	61.6	60.2	59.7	59.5	58.3	60.3	60.2
	13	66.1	66.9	65.0	61.9	61.8	61.2	59.1	60.4	59.2	60.2	61.0	61.9
	14	68.8	68.9	67.0	65.1	62.3	61.8	60.6	60.0	60.1	60.3	60.4	60.8
	15	66.6	66.1	64.2	62.9	60.9	60.2	59.8	59.4	60.1	60.0	60.8	61.4
	16	69.0	69.7	67.1	64.9	63.8	62.2	61.9	61.3	61.6	61.3	61.7	61.2
	17	71.1	71.4	69.0	66.2	63.3	62.0	61.0	60.0	60.3	60.8	60.7	61.0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	66.4	66.0	65.1	63.8	63.2	62.3	62.7	61.2	61.2	60.9	61.2	61.0
	20	69.8	69.0	68.8	66.8	65.1	64.0	63.3	62.8	61.8	62.3	62.1	62.3
	21	70.2	70.5	69.8	67.2	66.0	65.6	64.1	64.1	63.1	62.8	62.9	62.1
	22	70.0	70.0	69.4	67.4	66.7	65.6	65.0	64.0	63.8	63.2	63.1	63.4
	23	70.4	71.7	70.3	66.9	66.1	66.0	66.1	65.2	65.1	65.2	65.1	64.3
	24	71.5	72.0	69.2	67.2	65.8	63.9	63.0	62.9	62.9	62.9	63.1	63.1
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	71.2	71.2	70.6	69.2	67.2	64.8	64.0	62.8	63.0	63.0	62.1	61.6
	27	72.0	70.8	69.1	66.5	65.0	64.2	64.0	63.5	63.0	63.6	63.8	63.9
	28	73.1	71.5	69.9	67.9	65.2	63.9	62.9	62.2	62.2	62.2	63.3	62.6
	29	69.1	68.0	66.9	66.8	65.1	64.7	63.3	62.8	64.1	64.8	64.6	63.6
	30	70.9	69.8	68.2	68.3	66.9	64.1	62.7	59.2	58.0	56.8	58.3	56.0
Hourly Means	68.32	68.18	66.63	64.67	63.13	62.07	61.33	60.62	60.46	60.42	60.93	60.51	
TEMPERATURE OF THE BIFILAR MAGNET.													
JUNE.	1	63.5	63.6	63.7	63.8	63.9	64.0	64.0	63.9	63.7	63.7	63.5	63.5
	2	63.6	63.9	64.1	64.3	64.8	65.0	65.0	64.8	64.6	64.4	64.1	64.0
	3	63.9	64.2	64.7	64.9	65.2	65.6	65.7	65.4	65.0	64.7	64.1	63.9
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	63.5	64.1	65.1	66.1	66.9	67.3	67.6	67.1	67.0	66.6	66.1	65.5
	6	64.4	64.8	65.2	65.6	65.8	65.8	65.8	65.6	65.2	65.0	64.8	64.7
	7	63.7	63.9	64.0	64.8	65.0	65.1	65.0	64.8	64.5	64.0	63.7	63.6
	8	62.2	62.6	62.8	62.9	63.0	63.0	62.9	62.8	62.7	62.6	62.4	62.2
	9	61.9	62.0	62.4	62.7	62.9	63.0	63.0	62.8	62.5	62.1	62.1	62.0
	10	61.8	61.9	62.0	62.3	62.6	62.6	62.5	62.1	62.0	61.9	61.9	61.7
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	60.9	61.0	61.0	61.3	61.5	61.5	61.5	61.1	61.2	61.0	60.8	60.8
	13	60.2	60.7	61.0	61.2	61.7	62.0	61.8	61.7	61.4	61.1	61.0	61.0
	14	60.5	60.9	61.0	61.5	61.7	61.9	61.9	61.9	61.8	61.4	61.1	61.0
	15	60.9	61.2	61.7	61.9	62.1	62.2	62.2	62.0	61.9	61.8	61.6	61.5
	16	60.9	61.1	61.6	61.9	62.0	62.4	62.7	62.5	62.2	62.0	61.9	61.9
	17	61.9	62.0	62.3	63.1	63.6	63.9	63.9	63.7	63.3	63.0	62.9	62.7
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.9	62.0	62.2	62.7	62.9	62.9	63.0	62.9	62.8	62.7	62.3	62.0
	20	61.3	61.6	61.9	62.0	62.0	62.1	62.1	62.0	61.9	61.8	61.6	61.4
	21	60.8	60.9	61.3	61.7	61.8	61.8	61.8	61.7	61.3	61.1	61.0	61.1
	22	60.9	61.0	61.2	61.7	61.8	61.9	61.9	61.9	61.9	61.8	61.8	61.4
	23	60.1	60.6	60.9	61.0	61.1	61.1	60.9	60.7	60.6	60.3	60.1	60.1
	24	60.0	60.4	61.0	61.4	61.9	62.0	62.0	61.9	61.7	61.3	61.0	60.9
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	60.1	60.7	60.7	61.2	61.4	61.7	61.7	61.3	61.1	60.9	60.8	60.6
	27	60.6	60.9	61.1	61.4	61.5	61.6	61.5	61.2	61.0	60.9	60.8	60.8
	28	60.9	61.3	61.7	62.0	62.1	62.1	61.9	61.8	61.7	61.6	61.2	61.2
	29	60.8	61.0	61.4	61.8	61.9	61.9	61.9	61.7	61.4	61.1	60.9	60.9
	30	60.9	61.0	61.1	61.2	61.3	61.3	61.2	61.0	61.0	60.9	60.7	60.6
Hourly Means	61.62	61.89	62.19	62.55	62.78	62.91	62.90	62.70	62.52	62.29	62.08	61.96	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
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.
60.6	60.4	60.7	60.7	60.9	61.0	61.2	62.0	62.4	63.2	63.9	66.5	62.87
57.2	57.1	58.2	57.1	57.0	57.4	58.6	59.0	59.9	60.1	64.0	64.0	60.44
—	—	—	—	—	—	—	—	—	—	—	—	—
56.9	56.4	57.2	56.8	59.2	59.2	58.7	59.0	58.9	60.1	61.6	63.9	59.30
56.4	56.7	57.4	58.2	58.2	58.7	58.0	58.1	59.0	60.0	62.0	63.1	58.45
58.9	59.8	58.2	58.8	58.0	57.5	58.0	59.0	59.6	60.1	61.2	63.1	59.29
55.6	56.2	56.7	60.7	60.6	58.1	57.6	60.0	60.7	60.4	63.8	64.0	59.21
59.1	59.1	59.8	59.9	59.9	61.1	60.2	60.0	60.8	61.0	62.2	63.7	60.55
60.4	60.0	60.6	61.1	61.0	61.9	64.7	66.8	66.0	67.5	67.2	68.1	62.34
—	—	—	—	—	—	—	—	—	—	—	—	—
59.9	58.7	57.8	61.3	61.9	60.1	61.9	61.8	61.9	63.0	65.2	64.9	61.87
60.0	59.0	58.9	61.1	60.2	61.0	61.2	62.0	63.1	64.3	65.3	66.8	62.70
60.9	61.2	61.7	62.1	61.9	62.2	62.7	63.0	63.1	64.0	65.2	67.6	62.51
60.8	61.2	61.7	62.3	63.1	62.6	62.9	63.1	62.8	63.4	64.9	66.1	62.96
61.2	61.4	61.4	61.5	61.1	61.0	62.1	62.1	62.4	63.7	65.8	67.8	62.25
61.1	62.2	62.2	62.8	62.7	62.9	63.0	63.0	63.0	64.9	67.0	68.9	63.73
—	—	—	—	—	—	—	—	—	—	—	—	—
61.0	61.9	62.0	62.0	62.2	62.8	63.1	63.7	64.0	64.9	65.1	65.7	63.55
61.0	62.7	62.8	62.9	63.1	63.1	63.8	64.2	65.0	65.2	66.5	69.0	63.51
62.2	62.6	62.1	62.1	63.3	63.0	63.4	63.9	64.7	65.6	67.8	69.2	64.50
61.8	61.6	61.5	63.1	63.2	63.0	63.5	63.9	64.6	66.8	68.2	69.5	64.96
63.4	62.3	62.2	62.9	64.1	64.8	65.2	65.0	65.3	66.0	67.1	69.2	65.38
64.8	64.8	65.2	65.9	65.3	65.2	65.5	65.3	65.7	66.4	67.5	69.9	66.41
—	—	—	—	—	—	—	—	—	—	—	—	—
63.5	63.5	63.7	63.9	63.1	62.3	63.1	63.0	63.0	64.4	66.9	69.8	64.90
61.8	62.2	62.1	63.2	63.9	63.9	64.5	65.3	65.8	67.1	69.1	71.7	65.47
63.9	63.9	64.7	64.0	64.4	64.0	64.9	65.0	66.0	67.5	69.7	71.9	65.80
62.8	63.2	63.9	64.0	64.2	64.8	65.8	66.1	65.2	67.0	68.0	68.9	65.45
63.0	61.4	60.8	61.8	62.6	63.5	64.1	64.0	63.1	64.9	67.0	69.4	64.56
60.3	60.2	59.2	60.8	59.8	59.0	61.8	63.0	61.0	62.0	64.3	67.0	62.40
60.71	60.76	60.87	61.58	61.73	61.69	62.29	62.74	62.96	63.98	65.63	67.29	62.90
TEMPERATURE OF THE BIFILAR MAGNET.												
63.4	63.4	63.3	63.3	63.2	63.1	63.0	63.0	63.0	63.0	63.0	63.1	63.44
64.0	63.9	63.9	63.9	63.9	63.7	63.7	63.7	63.6	63.6	63.7	63.8	64.08
—	—	—	—	—	—	—	—	—	—	—	—	—
63.8	63.7	63.7	63.5	63.4	63.1	62.9	62.8	62.7	62.5	62.6	63.0	63.94
65.1	64.7	64.2	64.0	63.8	63.3	63.2	63.0	63.0	63.0	63.6	63.8	64.98
64.3	64.0	64.0	63.8	63.6	63.3	63.2	63.1	63.0	63.0	63.2	63.3	64.35
63.3	63.1	62.9	62.7	62.7	62.7	62.5	62.5	62.2	62.1	62.1	62.1	63.46
62.0	62.0	62.0	62.0	62.0	61.9	61.8	61.7	61.7	61.6	61.7	61.8	62.26
61.9	61.9	61.9	61.8	61.7	61.6	61.3	61.3	61.2	61.2	61.2	61.4	61.99
—	—	—	—	—	—	—	—	—	—	—	—	—
61.5	60.8	60.7	60.6	60.4	60.3	60.1	60.1	60.1	60.1	60.4	60.7	61.30
60.7	60.8	60.7	60.6	60.5	60.4	60.2	60.1	60.0	60.0	60.0	60.0	60.73
60.9	60.8	60.8	60.8	60.7	60.4	60.3	60.2	60.1	60.0	60.1	60.1	60.83
61.0	60.9	60.8	60.8	60.8	60.7	60.7	60.7	60.7	60.7	60.7	60.8	61.08
61.3	61.3	61.1	61.0	60.9	60.9	60.9	60.8	60.7	60.7	60.8	60.8	61.34
61.8	61.7	61.7	61.7	61.6	61.6	61.5	61.3	61.3	61.3	61.7	61.5	61.74
—	—	—	—	—	—	—	—	—	—	—	—	—
62.6	61.7	61.6	61.6	61.5	61.3	61.2	61.1	61.1	61.0	61.3	61.7	62.25
62.0	62.0	61.9	61.8	61.7	61.7	61.5	61.5	61.2	61.1	61.0	61.1	62.03
61.2	61.1	61.1	61.0	61.0	61.0	61.0	61.0	60.9	60.9	60.9	60.8	61.40
61.2	61.2	61.2	61.1	61.1	61.1	61.0	61.0	61.0	61.1	60.9	60.9	61.22
61.1	60.9	60.7	60.5	60.3	60.1	60.0	60.0	59.9	59.9	60.0	60.0	60.94
60.1	60.0	60.0	59.9	59.9	59.9	59.9	59.8	59.8	59.8	59.8	59.9	60.26
—	—	—	—	—	—	—	—	—	—	—	—	—
60.7	60.3	60.2	60.0	60.0	60.0	59.9	59.9	59.8	59.8	59.8	59.9	60.61
60.3	60.1	60.1	60.0	60.0	60.0	60.0	59.9	59.9	59.9	60.0	60.1	60.52
60.8	60.7	60.6	60.5	60.2	60.1	60.1	60.1	60.1	60.1	60.6	60.8	60.75
61.1	61.0	61.0	60.9	60.8	60.8	60.7	60.7	60.5	60.5	60.5	60.6	61.19
60.8	60.8	60.8	60.8	60.8	60.9	60.8	60.7	60.6	60.5	60.5	60.8	61.06
60.4	60.2	60.1	60.0	60.0	60.0	59.9	59.8	59.8	59.7	59.7	59.9	60.49
61.82	61.65	61.58	61.48	61.40	61.30	61.20	61.15	61.08	61.04	61.15	61.26	61.86



HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
JULY.	1	66.8	66.8	66.0	66.0	64.1	62.5	61.5	57.5	57.8	58.1	58.7	59.7
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	69.8	69.9	68.2	65.9	63.8	62.7	61.0	60.0	59.8	60.0	59.8	57.7
	4	65.2	66.9	66.0	64.1	62.8	62.0	61.3	60.2	60.2	61.7	62.3	61.5
	5	67.1	65.9	64.0	63.0	63.2	63.2	63.7	62.6	62.4	62.7	62.2	62.0
	6	69.9	69.0	67.8	66.8	65.7	63.5	63.6	63.2	63.6	63.7	63.2	62.8
	7	68.7	68.9	66.8	63.8	62.9	62.9	63.0	62.2	60.9	61.8	59.8	61.2
	8	67.4	68.8	67.4	64.2	61.2	58.2	57.5	57.4	57.2	59.6	59.0	59.8
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	68.9	70.0	64.9	64.0	63.3	61.0	59.1	57.0	57.5	58.8	60.0	60.2
	11	69.1	70.5	68.0	65.2	62.6	61.0	60.2	59.8	58.7	58.5	57.5	58.0
	12	68.5	68.0	66.4	64.8	62.9	61.9	60.5	59.0	60.0	60.0	59.9	59.8
	13	68.2	68.4	67.1	64.6	64.0	63.0	61.0	59.0	58.0	57.9	58.2	60.8
	14	67.9	64.2	64.9	64.2	63.2	63.1	61.7	59.9	58.9	58.0	58.4	58.5
	15	66.0	63.2	62.2	61.0	60.0	59.2	60.2	58.7	57.8	59.0	59.2	58.1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	65.2	65.0	61.9	60.8	62.1	61.3	61.1	60.0	59.5	59.8	59.8	61.5
	18	68.9	68.2	67.7	65.5	63.0	61.8	60.9	60.0	59.1	59.8	60.0	60.2
	19	68.2	67.9	65.2	65.1	63.8	61.7	60.9	60.3	60.0	59.9	59.8	60.3
	20	65.3	64.7	64.1	62.4	61.2	61.0	61.1	61.0	60.5	60.7	60.6	60.8
	21	69.1	69.0	68.0	66.2	63.7	62.0	61.8	61.0	60.5	60.1	60.9	61.7
	22	71.2	70.2	68.2	65.1	62.8	63.1	62.2	61.9	60.7	61.0	60.6	61.1
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24 <sup>a</sup>	69.3	68.4	67.0	— <sup>b</sup>	—	—	—	86.6	77.3	73.9	77.9	83.0
	25	74.1	71.1	67.3	65.1	64.7	62.8	60.0	60.1	58.4	59.0	60.9	62.7
	26	88.0	88.2	87.5	84.8	83.0	81.8	79.1	78.9	78.0	78.9	79.0	79.8
	27	86.0	86.0	84.1	82.1	80.2	79.1	79.4	78.9	80.2	80.1	81.1	80.2
	28	91.0	90.5	88.0	85.4	81.8	81.0	80.0	80.2	80.2	80.1	78.2	81.5
	29	89.0	89.0	88.7	87.0	84.0	83.0	81.2	79.2	81.1	78.6	80.0	79.3
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	87.9	88.5	87.5	85.7	83.0	81.0	80.7	80.2	79.2	78.9	79.8	80.7
Hourly Means	72.30	71.95	70.32	68.51	66.92	65.75	64.91	63.77	63.61	63.87	63.96	64.40	
TEMPERATURE OF THE BIFILAR MAGNET.													
JULY.	1	60.2	60.7	60.9	61.4	61.9	62.0	62.0	61.9	61.7	61.3	61.2	61.0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	61.4	61.8	61.9	62.0	62.6	62.8	62.7	62.5	62.0	61.9	61.5	61.2
	4	60.4	60.7	60.9	61.0	61.1	61.3	61.6	61.7	61.5	61.2	61.0	60.9
	5	60.0	60.1	60.3	60.8	60.9	60.9	60.8	60.5	60.2	60.0	59.9	59.9
	6	59.2	59.7	60.0	60.3	60.6	60.7	60.6	60.4	60.1	60.0	59.8	59.7
	7	59.6	59.9	60.1	60.8	61.0	61.1	61.1	61.0	60.8	60.6	60.0	60.0
	8	59.8	60.1	60.7	61.0	61.2	61.2	61.1	61.0	60.9	60.8	60.4	60.2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	59.8	60.0	60.8	61.1	61.5	61.8	61.8	61.8	61.4	61.0	60.8	60.8
	11	60.2	60.8	61.1	61.6	61.8	62.0	62.1	61.9	61.8	61.5	61.2	61.0
	12	60.6	61.0	61.6	62.0	62.7	63.0	63.1	62.9	62.6	62.0	61.7	61.3
	13	60.8	61.2	61.8	62.3	62.9	63.4	63.6	63.4	62.9	62.7	62.0	61.9
	14	61.1	61.8	62.0	62.1	62.8	63.1	63.4	63.4	63.2	62.9	62.6	62.2
	15	62.0	62.6	63.0	63.6	63.7	63.8	63.4	63.0	62.8	62.6	62.1	62.0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	60.8	61.1	61.5	61.9	62.0	62.0	61.9	61.6	61.3	61.0	61.0	60.9
	18	60.8	61.2	61.8	62.0	62.7	62.9	63.0	63.0	62.7	62.0	61.8	61.6
	19	61.0	61.5	62.1	62.9	63.5	63.9	63.8	63.6	63.1	62.5	62.0	62.0
	20	61.5	61.6	61.6	61.8	61.7	61.7	61.7	61.7	61.6	61.5	61.4	60.9
	21	59.6	59.8	60.0	60.7	60.7	60.8	60.7	60.4	60.1	59.9	59.7	59.4
	22	59.0	59.0	59.5	60.0	60.6	60.9	60.7	60.4	60.1	59.9	59.8	59.6
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24 <sup>a</sup>	59.2	59.6	60.0	—	—	—	—	62.9	61.9	61.1	60.9	60.6
	25	60.0	60.0	60.0	60.2	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.5
	26	59.8	60.0	60.7	61.0	61.1	61.6	61.7	61.3	61.0	60.9	60.8	60.5
	27	60.4	60.9	61.3	61.7	62.0	62.6	62.8	62.2	61.9	61.8	61.3	61.2
	28	60.8	61.2	62.0	62.6	63.0	63.4	63.6	63.3	62.9	62.6	62.0	61.9
	29	61.5	61.9	62.1	62.9	63.0	63.0	62.9	62.6	62.1	61.8	61.6	61.2
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	60.3	61.1	61.8	62.6	63.7	64.1	64.3	64.0	63.7	63.0	62.7	62.3
Hourly Means	60.39	60.79	61.18	61.61	61.98	62.19	62.21	62.02	61.73	61.45	61.17	60.96	

<sup>a</sup> Omitted in the means.

<sup>b</sup> This interruption was occasioned by the substitution of rectangular external cases instead of the cylindrical one in which the bifilar bar had hitherto been enclosed. Although this was done with the greatest care, it was found that a permanent increase of 19.65 sc. div. was occasioned in the readings.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar 1° Fah° = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
59.6	59.6	62.3	60.3	59.8	61.1	63.3	62.8	64.0	66.0	67.0	68.3	62.48
57.6	58.8	59.2	60.0	60.8	60.9	61.0	61.8	61.9	62.9	63.1	64.1	62.11
60.0	61.1	62.1	61.1	62.0	61.4	63.1	62.4	62.7	64.0	65.0	67.0	62.75
61.9	62.2	62.1	62.9	63.1	63.3	63.4	63.4	64.2	65.8	67.0	68.1	63.73
62.4	62.4	62.7	63.6	63.9	63.9	64.0	64.0	64.2	65.1	66.9	68.2	64.75
58.8	57.9	54.5	59.9	59.2	60.0	63.5	63.0	63.0	63.8	66.0	65.2	62.40
60.0	62.2	63.9	61.6	62.2	64.1	63.9	64.0	65.0	65.7	65.9	66.2	62.60
60.1	61.2	61.0	60.8	60.9	61.3	61.3	62.0	61.2	63.0	64.3	66.8	62.03
62.4	59.9	60.5	61.4	61.2	61.7	61.8	62.2	62.6	63.9	66.3	68.1	62.55
59.8	60.8	60.0	60.9	62.8	61.9	62.0	63.0	63.0	63.9	65.0	67.5	62.60
60.2	60.4	61.3	61.8	62.1	64.0	62.0	62.0	63.0	63.8	65.6	67.3	62.65
59.0	59.2	59.6	60.0	61.4	61.5	61.0	61.1	62.1	61.6	63.4	65.0	61.58
58.0	60.2	60.2	60.6	61.0	62.0	62.1	63.0	63.6	63.2	63.8	65.3	61.15
61.1	61.1	62.3	62.1	62.0	62.8	62.1	62.2	63.0	63.9	64.9	67.0	62.19
60.6	61.0	61.2	61.2	61.9	62.7	62.2	62.5	62.0	62.0	64.1	66.0	62.60
59.4	60.4	60.9	60.2	60.1	60.1	60.2	60.8	61.4	62.3	64.5	65.6	62.04
60.9	61.5	61.1	61.5	62.6	63.1	63.3	64.0	65.7	66.2	67.5	69.0	62.91
62.5	63.0	63.9	65.1	66.2	65.0	65.0	64.5	66.0	67.1	68.8	71.4	64.69
62.3	63.9	64.3	64.4	65.5	65.9	65.9	66.0	66.6	66.4	67.1	69.2	64.82
83.8	81.5	82.0	82.0	85.0	85.0	85.9	86.0	86.9	82.1	82.0	78.6	—
68.6	71.4	74.6	75.8	79.1	78.1	78.7	78.7	81.6	83.1	84.1	86.1	71.09
80.9	80.4	79.7	79.7	79.3	80.9	81.8	83.3	81.9	82.3	83.8	85.0	81.92
81.2	82.2	80.7	86.7	83.0	81.3	81.8	81.9	83.9	85.3	87.8	88.9	82.59
79.9	80.3	81.0	81.7	82.5	82.8	82.8	83.5	83.9	85.2	86.2	88.0	83.15
83.0	86.0	84.2	83.5	83.8	85.6	84.7	84.9	83.7	84.2	84.7	85.9	83.93
81.0	81.5	81.7	82.7	83.0	83.0	83.2	84.0	85.5	87.1	89.9	90.8	83.60
64.85	65.54	65.80	66.38	66.78	67.82	67.36	67.64	68.23	69.11	70.51	72.00	67.16
TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
60.9	61.5	61.3	60.9	60.8	60.3	60.1	59.9	59.9	60.0	60.1	60.8	60.95
60.9	60.8	60.6	60.5	60.2	60.1	60.0	60.0	60.0	60.0	60.0	60.1	61.15
60.7	60.6	60.3	60.1	60.0	59.9	59.8	59.7	59.7	59.5	59.7	59.8	60.55
59.8	59.7	59.7	59.6	59.6	59.5	59.3	59.2	59.2	59.2	59.1	59.0	59.88
59.7	59.6	59.5	59.4	59.4	59.4	59.3	59.2	59.2	59.2	59.1	59.3	59.73
60.0	59.9	59.8	59.8	59.8	59.7	59.7	59.6	59.5	59.4	59.4	59.6	60.09
60.0	58.9	58.9	58.9	59.0	58.9	59.0	59.0	59.0	59.0	59.0	59.2	59.88
60.7	60.2	60.1	60.1	60.0	60.0	59.9	59.9	59.9	59.8	59.8	60.1	60.55
60.9	60.8	60.5	60.2	60.0	60.0	60.0	60.0	60.0	59.9	59.9	60.1	60.80
61.1	60.9	60.8	60.7	60.7	60.5	60.4	60.1	60.0	60.1	60.2	60.6	61.28
61.6	61.4	61.1	61.0	61.0	60.9	60.9	60.8	60.8	60.7	60.7	60.9	61.70
62.0	62.0	61.9	61.9	61.8	61.8	61.8	61.7	61.6	61.5	61.6	61.8	62.24
61.9	61.1	61.0	60.9	60.9	60.8	60.7	60.7	60.4	60.4	60.4	60.5	61.85
60.7	60.4	60.2	60.0	60.0	59.9	59.9	59.9	59.9	59.9	60.0	60.3	60.75
61.3	61.0	60.9	60.9	60.7	60.6	60.6	60.2	60.2	60.2	60.7	60.7	61.40
62.0	61.9	61.8	61.8	61.8	61.8	61.6	61.6	61.5	61.4	61.6	61.6	62.18
60.8	60.4	60.1	60.0	60.0	59.9	59.7	59.5	59.3	59.2	59.2	59.3	60.67
59.1	59.0	59.0	58.9	58.9	58.9	58.9	58.8	58.7	58.5	58.6	59.0	59.50
59.5	59.3	59.1	59.0	59.0	59.0	58.9	58.9	58.9	59.0	59.0	59.0	59.50
60.3	60.0	60.0	60.0	59.9	59.9	59.8	59.8	59.8	59.7	59.7	59.9	—
60.2	60.0	59.9	59.9	59.8	59.7	59.7	59.7	59.6	59.5	59.6	59.6	60.16
60.2	60.1	60.0	59.9	59.9	59.9	59.8	59.7	59.7	59.7	59.9	60.0	60.43
60.9	60.8	60.7	60.4	60.3	60.2	60.1	60.0	60.2	60.0	60.0	60.1	60.98
61.7	61.5	61.4	61.2	61.2	61.1	61.0	61.0	61.0	60.9	60.9	61.0	61.76
61.0	59.9	59.9	59.8	59.8	59.7	59.7	59.6	59.6	59.6	59.7	60.0	61.04
62.0	61.5	61.2	61.1	60.9	60.6	60.0	59.9	59.9	59.8	60.5	60.5	61.71
60.78	60.53	60.39	60.28	60.22	60.12	60.03	59.94	59.90	59.85	59.92	60.12	60.82

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	91.3	89.9	87.4	85.2	83.1	81.7	81.4	81.0	80.9	81.0	80.9	81.1
	2	87.0	87.0	85.6	84.1	83.0	81.5	81.0	81.5	80.7	81.3	81.5	81.5
	3	85.5	86.2	86.5	86.0	86.0	84.0	83.3	83.5	83.9	81.1	81.8	82.0
	4	83.2	83.0	81.9	80.9	77.4	74.8	75.1	77.0	75.5	74.4	76.9	76.0
	5	83.0	82.8	82.8	79.9	80.0	78.8	79.0	78.0	76.3	76.0	77.0	78.1
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	85.4	85.0	83.7	83.0	81.9	80.3	78.9	79.2	79.8	79.2	78.9	80.4
	8	86.0	85.0	83.0	82.0	78.9	79.3	77.2	75.5	75.0	76.4	78.1	79.0
	9	86.0	85.0	82.2	82.8	82.6	81.1	80.3	79.2	77.5	77.9	78.8	78.8
	10	90.0	86.8	85.0	83.9	83.0	81.4	81.7	81.5	80.7	80.9	81.5	81.6
	11	93.2	92.0	91.2	87.0	84.0	83.6	81.0	79.0	81.3	81.4	82.4	84.2
	12	93.7	92.0	88.9	87.3	84.8	83.0	82.0	81.8	81.5	81.9	81.8	81.3
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	92.0	92.9	90.9	88.0	85.0	82.8	82.7	82.2	82.1	84.8	83.0	82.7
	15	91.0	89.5	89.3	87.8	86.7	85.8	85.0	84.1	83.1	83.2	84.8	84.0
	16	88.2	89.7	89.2	88.0	87.0	85.2	85.0	84.9	84.0	83.9	84.3	83.4
	17	89.7	89.6	88.9	88.0	86.8	85.9	84.7	84.8	84.8	84.2	84.4	85.5
	18	91.8	92.1	91.1	89.7	87.2	85.8	85.6	83.5	84.4	84.5	84.9	85.0
	19	92.0	91.1	88.6	86.2	84.6	82.8	83.0	83.1	82.7	82.2	82.0	82.8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	93.2	92.1	89.3	86.4	83.8	82.8	82.0	81.9	82.0	81.4	81.8	81.9
	22	92.3	91.2	86.2	85.3	83.1	81.2	76.8	76.0	73.0	73.3	74.7	77.4
	23	86.0	86.0	84.5	82.1	79.8	77.9	75.0	73.8	73.0	73.0	74.9	76.0
	24	86.7	87.6	85.8	84.2	81.9	80.0	77.2	77.2	77.5	76.8	76.4	76.8
	25	91.0	91.9	89.6	87.5	82.5	79.8	78.0	76.0	74.7	76.7	77.1	78.1
	26	89.0	89.1	87.2	85.6	82.0	79.9	78.2	77.8	77.1	77.1	77.0	76.4
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	88.9	87.9	86.0	84.0	81.1	80.9	80.9	80.8	80.4	80.0	80.2	80.4
	29	91.8	92.0	91.3	89.9	88.3	86.0	83.8	82.7	82.1	82.3	82.0	81.8
	30	92.1	92.2	91.9	91.0	88.9	86.2	84.8	83.0	82.3	82.8	82.1	82.1
	31	88.8	88.3	88.0	87.0	83.3	81.3	80.8	80.2	81.2	81.8	82.3	82.4
Hourly Means	89.21	88.81	87.26	85.66	83.58	81.99	80.90	80.34	79.91	79.98	80.43	80.77	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	61.5	62.6	63.7	64.5	65.0	65.3	65.5	65.0	64.4	63.8	63.4	63.0
	2	61.9	62.4	63.1	64.0	64.9	65.3	64.1	64.0	63.8	63.4	63.0	62.9
	3	62.0	62.6	63.0	63.5	64.0	64.3	64.4	64.0	63.9	63.5	63.0	62.9
	4	62.1	62.6	62.9	63.3	63.6	63.7	63.7	63.5	63.1	63.0	62.7	62.5
	5	62.3	63.1	63.9	64.2	64.7	64.9	64.9	64.5	64.0	63.7	63.3	63.0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	61.0	61.6	62.4	63.4	64.1	64.8	64.8	64.6	64.0	63.6	63.2	62.8
	8	61.0	61.4	61.9	62.4	63.0	63.3	63.5	63.4	63.0	62.8	62.0	61.8
	9	61.1	61.5	61.9	62.2	62.8	63.0	63.0	62.7	62.2	61.8	61.4	61.1
	10	60.8	61.1	61.7	61.9	62.0	62.0	62.0	61.9	61.3	61.0	60.9	60.7
	11	59.9	60.0	60.4	60.8	61.0	61.1	61.1	61.0	60.7	60.1	60.0	59.8
	12	59.2	59.7	59.9	60.0	60.8	60.9	60.8	60.3	60.0	59.7	59.5	59.1
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	57.9	58.1	58.7	59.0	59.4	59.6	59.6	59.3	59.0	58.9	58.7	58.2
	15	57.7	57.9	58.3	58.8	59.2	59.3	59.4	59.1	59.0	58.8	58.3	58.1
	16	58.2	58.7	58.8	58.8	58.9	59.0	59.0	58.9	58.8	58.7	58.4	58.4
	17	58.2	58.6	58.9	59.1	59.1	59.3	59.3	59.1	59.0	58.9	58.7	58.5
	18	58.6	58.8	59.0	59.3	59.6	59.8	59.9	59.8	59.4	59.0	58.9	58.8
	19	58.9	59.4	59.9	60.7	61.0	61.4	61.7	61.4	61.2	60.8	60.0	59.8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	60.0	60.9	61.7	62.6	63.4	63.8	63.9	63.7	63.1	62.8	62.2	62.0
	22	60.8	61.8	62.5	63.6	64.0	64.7	64.9	64.9	64.4	63.9	63.3	63.0
	23	62.1	63.0	64.0	65.0	65.8	66.0	66.0	65.7	65.0	64.3	63.9	63.5
	24	62.0	62.5	63.0	63.5	63.9	64.4	64.5	64.2	63.8	63.1	62.7	62.4
	25	61.1	61.7	62.5	63.1	63.5	63.7	63.7	63.5	63.0	62.7	62.1	62.0
	26	61.9	62.7	63.5	63.9	64.2	64.5	64.3	64.0	63.8	63.4	63.0	62.7
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	60.5	60.8	61.0	61.5	61.6	61.6	61.3	61.0	60.9	60.7	60.3	60.1
	29	59.9	60.0	60.6	61.0	61.5	61.8	61.8	61.8	61.5	61.0	60.9	60.6
	30	60.0	60.3	60.8	61.1	61.4	61.5	61.2	60.9	60.7	60.2	60.0	59.9
	31	59.0	59.6	60.0	60.6	60.9	61.0	60.9	60.8	60.4	60.1	59.8	59.6
Hourly Means	60.36	60.87	61.41	61.92	62.34	62.59	62.56	62.33	61.98	61.62	61.24	61.01	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
81.1	81.1	81.2	82.0	82.1	82.8	83.0	83.5	83.9	84.0	84.9	86.2	83.36
81.9	81.8	82.8	82.8	82.8	82.2	82.6	83.1	83.1	83.6	84.8	85.7	83.04
82.2	82.4	79.8	79.2	80.1	81.2	81.0	83.0	84.0	84.1	84.0	83.8	83.11
77.0	78.8	78.7	78.8	79.0	79.3	79.8	80.6	80.8	80.0	82.2	81.2	78.85
—	—	—	—	—	—	—	—	—	—	—	—	—
77.8	79.8	81.4	81.5	81.0	82.1	82.9	83.0	83.0	83.1	83.8	85.3	80.68
80.1	80.5	80.4	80.3	81.0	82.0	82.0	81.1	82.1	84.8	85.1	87.2	81.76
78.9	78.7	80.0	79.8	80.0	80.8	82.1	85.0	81.0	80.7	83.9	83.8	80.42
79.8	80.9	80.2	80.7	81.1	80.8	81.0	81.3	82.0	83.6	86.0	89.8	81.64
82.1	83.2	82.5	82.7	83.8	83.8	84.1	84.2	85.5	88.0	91.0	93.1	84.25
83.0	83.2	83.6	84.4	84.9	85.0	85.5	85.9	86.0	86.9	94.7	90.0	85.56
—	—	—	—	—	—	—	—	—	—	—	—	—
81.8	84.6	84.9	84.1	84.6	85.2	84.8	85.1	85.9	87.9	89.9	91.9	85.45
82.9	83.9	84.1	84.6	85.0	85.0	85.0	85.2	85.0	86.0	87.9	90.0	85.57
84.0	84.2	84.6	86.5	86.0	85.8	85.8	86.0	85.4	85.4	86.8	88.0	85.95
84.8	84.8	84.5	84.8	85.0	85.3	85.9	85.9	86.8	88.0	88.6	89.8	86.13
84.8	84.7	84.7	84.8	85.6	86.0	86.3	86.5	86.5	88.0	89.8	90.9	86.50
85.0	85.0	85.0	84.8	85.1	85.0	85.3	85.6	86.7	88.2	90.0	91.7	86.79
—	—	—	—	—	—	—	—	—	—	—	—	—
83.0	80.5	80.7	81.8	83.7	83.8	83.7	84.2	84.9	86.9	89.2	92.2	84.82
81.8	82.0	82.2	82.2	83.7	83.8	84.0	85.0	88.0	89.1	91.1	91.7	85.13
75.3	79.0	76.7	76.8	77.8	76.9	79.0	80.2	80.2	81.7	83.8	84.1	80.08
74.1	78.0	78.9	78.5	79.8	79.0	77.7	79.5	80.2	82.1	83.1	86.1	79.13
78.4	79.4	79.8	79.4	79.8	80.9	80.9	81.0	81.8	83.2	84.8	88.4	81.08
78.4	78.7	79.2	81.2	81.7	80.2	80.0	80.5	80.9	82.3	84.2	87.8	81.58
—	—	—	—	—	—	—	—	—	—	—	—	—
78.8	78.9	79.4	80.2	80.8	80.7	80.3	80.7	80.2	80.2	83.0	86.0	81.07
80.9	80.4	81.8	81.8	82.0	82.0	83.0	83.1	83.0	84.0	86.8	90.0	82.93
82.0	82.3	82.2	82.5	82.7	83.5	84.0	84.6	85.0	85.7	87.1	90.0	85.23
82.9	82.9	82.2	83.0	83.4	84.4	85.0	85.4	85.7	86.0	87.3	88.1	85.65
82.5	82.3	82.3	82.4	83.0	83.7	83.8	84.9	85.9	84.0	84.2	85.7	83.75
—	—	—	—	—	—	—	—	—	—	—	—	—
80.94	81.56	81.62	81.91	82.43	82.64	82.91	83.49	83.83	84.72	86.59	88.09	83.32

TEMPERATURE OF THE BIFILAR MAGNET.												
62.7	62.1	61.8	61.7	61.6	61.3	61.1	61.0	61.0	60.9	61.0	61.0	62.70
62.7	62.3	62.0	62.0	62.0	61.9	61.7	61.6	61.4	61.3	61.6	61.8	62.71
62.7	62.4	62.2	62.0	61.9	61.9	61.8	61.7	61.7	61.8	61.8	61.9	62.70
62.3	62.1	62.1	62.0	61.9	61.9	61.7	61.7	61.7	61.6	61.7	61.9	62.47
—	—	—	—	—	—	—	—	—	—	—	—	—
62.8	60.9	60.8	60.6	60.2	60.1	60.0	59.9	59.9	59.8	60.0	60.3	62.16
62.6	62.1	61.9	61.7	61.5	61.2	61.0	60.9	60.9	60.8	60.8	60.9	62.36
61.7	61.3	61.1	61.0	60.9	60.8	60.6	60.5	60.4	60.3	60.7	60.9	61.65
61.0	60.9	60.8	60.7	60.3	60.3	60.2	60.2	60.2	60.1	60.4	60.7	61.27
60.6	60.4	60.1	59.9	59.9	59.9	59.8	59.7	59.7	59.7	59.8	59.8	60.69
59.8	59.7	59.7	59.5	59.2	59.0	59.0	59.0	58.9	58.8	58.8	58.9	59.84
—	—	—	—	—	—	—	—	—	—	—	—	—
58.9	57.8	57.8	57.8	57.7	57.7	57.6	57.4	57.3	57.2	57.2	57.7	58.83
58.0	58.0	57.9	57.8	57.7	57.7	57.7	57.7	57.7	57.7	57.6	57.5	58.31
58.0	58.0	58.0	57.9	57.9	57.8	57.6	57.6	57.6	57.5	57.6	57.9	58.22
58.4	58.2	58.0	58.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.36
58.4	58.2	58.0	58.0	57.9	57.9	57.8	57.8	57.8	57.8	57.9	58.1	58.43
58.7	58.6	58.4	58.2	58.0	58.0	57.8	57.8	57.8	57.8	58.0	58.6	58.69
—	—	—	—	—	—	—	—	—	—	—	—	—
59.6	60.0	59.8	59.3	59.0	59.0	58.9	58.9	58.9	58.9	59.0	59.7	59.58
61.9	61.5	61.3	61.0	60.9	60.7	60.1	60.0	59.9	59.8	59.9	60.1	61.55
62.7	62.2	62.0	61.8	61.7	61.5	61.2	61.0	60.9	60.8	60.9	61.4	62.50
63.0	62.8	62.4	62.0	61.9	61.7	61.6	61.4	61.1	61.1	61.2	61.6	63.17
61.9	61.9	61.7	61.5	61.5	61.1	61.0	60.9	60.9	60.8	60.8	60.9	62.29
61.9	61.7	61.6	61.6	61.4	61.2	61.0	61.0	61.0	60.8	60.9	61.2	62.00
—	—	—	—	—	—	—	—	—	—	—	—	—
62.2	61.0	60.9	60.8	60.7	60.4	60.1	60.0	59.9	59.9	59.9	60.0	61.99
60.0	60.0	60.0	60.0	59.9	59.8	59.8	59.7	59.6	59.6	59.7	59.7	60.38
60.2	60.0	60.0	59.9	59.9	59.8	59.7	59.5	59.4	59.3	59.4	59.7	60.38
59.8	59.7	59.5	59.3	59.3	59.1	59.0	58.9	58.9	58.9	58.9	58.9	59.93
59.4	59.0	58.9	58.8	58.8	58.6	58.5	58.2	58.3	58.3	58.5	58.8	59.45
—	—	—	—	—	—	—	—	—	—	—	—	—
60.81	60.47	60.32	60.18	60.06	59.93	59.79	59.70	59.66	59.60	59.70	59.93	60.85

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen } Time. }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	88.5	87.0	86.7	83.3	81.1	78.9	73.6	80.3	75.2	74.4	77.1	78.7
	2	82.3	83.0	82.4	81.6	80.8	78.0	75.4	77.0	76.3	76.3	82.0	78.8
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	89.5	88.8	87.9	87.9	84.0	83.2	81.5	80.8	81.4	79.1	77.0	75.2
	5	87.2	87.3	85.6	84.0	81.9	79.3	78.0	78.2	78.7	79.8	80.6	79.8
	6	85.4	87.0	86.5	86.2	84.2	82.8	81.8	81.0	80.0	80.3	80.8	81.3
	7	90.9	91.8	89.8	88.7	86.8	85.7	83.1	83.0	81.8	81.8	81.1	81.1
	8	89.5	86.1	84.6	83.8	82.0	79.0	78.0	78.4	79.3	79.4	79.2	78.4
	9	90.7	93.1	90.9	87.0	84.0	81.0	80.1	81.7	78.0	76.9	77.2	79.5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	85.9	87.5	86.8	86.7	84.3	82.7	80.0	80.2	80.0	78.7	78.6	77.8
	12	86.9	86.3	85.9	85.0	82.8	81.0	78.8	79.0	79.0	77.7	78.8	77.8
	13	86.3	87.4	87.4	86.3	83.8	81.0	78.6	78.2	77.4	76.6	76.1	75.0
	14	83.4	85.0	85.0	85.0	83.3	82.0	80.0	77.9	75.8	76.5	76.3	79.4
	15	89.4	88.8	86.6	84.2	81.8	80.2	79.2	78.8	78.0	78.1	78.5	78.5
	16	86.3	86.0	84.8	83.0	82.0	81.4	78.8	77.7	78.0	78.1	77.2	76.8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	90.4	89.8	88.3	86.0	85.3	83.3	80.2	78.2	77.6	76.9	77.2	79.0
	19	82.8	80.1	81.8	81.3	79.9	78.0	77.0	75.9	74.0	73.1	75.9	78.9
	20	86.3	87.2	87.4	84.0	81.8	79.8	79.1	77.2	76.8	76.2	76.8	78.0
	21	86.1	86.3	84.2	82.2	80.3	78.8	76.6	75.0	76.1	76.5	76.4	76.8
	22	84.9	84.1	83.3	79.0	76.9	78.1	78.2	78.0	77.5	78.1	76.6	78.7
	23	87.3	84.2	83.7	83.0	80.0	77.8	78.0	77.4	78.0	78.0	78.7	80.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	92.3	91.0	89.3	87.3	84.0	81.4	80.4	80.0	80.2	79.9	80.0	80.3
	26	93.1	92.9	90.0	87.0	84.1	81.9	80.0	78.9	78.0	77.9	78.0	79.0
	27	91.8	92.4	91.1	89.0	86.8	84.8	83.8	83.8	83.8	83.4	83.0	82.3
	28	84.2	85.8	82.4	80.0	79.3	79.1	79.1	78.8	78.2	78.1	78.8	78.8
	29	90.0	91.1	89.8	87.6	87.8	84.6	81.0	76.8	75.1	76.2	78.0	79.2
	30	88.0	89.0	86.3	83.5	83.8	82.7	78.0	78.6	78.9	79.8	80.0	80.0
October 1	—	—	—	—	—	—	—	—	—	—	—	—	
Hourly Means	87.67	87.65	86.48	84.72	82.80	81.02	79.17	78.88	78.19	77.98	78.46	78.81	
TEMPERATURE OF THE BIFILAR MAGNET.													
SEPTEMBER.	1	59.0	59.2	59.6	59.8	59.8	59.8	59.8	59.7	59.8	59.6	59.3	59.1
	2	58.7	59.0	59.7	60.0	60.5	60.9	60.9	60.5	60.1	59.9	59.7	59.5
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	58.7	59.1	59.5	59.9	60.0	60.1	60.1	60.0	59.9	59.7	59.3	59.1
	5	58.7	58.9	59.1	59.2	59.5	59.7	59.7	59.3	59.1	58.9	58.8	58.7
	6	58.1	58.6	58.9	59.0	59.5	59.7	59.6	59.2	59.0	58.9	58.8	58.6
	7	58.0	58.3	58.7	59.1	59.7	59.8	59.8	59.8	59.7	59.1	58.9	58.7
	8	58.9	59.2	60.0	60.7	60.9	61.0	61.0	60.7	60.2	60.0	59.8	59.5
	9	59.5	60.0	60.7	61.3	61.9	62.1	62.0	61.7	61.1	60.9	60.6	60.2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	60.0	60.4	60.9	61.1	61.7	61.8	61.9	61.8	61.2	60.9	60.7	60.5
	12	60.2	60.9	61.2	61.7	61.9	61.9	61.9	61.8	61.5	61.0	60.9	60.8
	13	61.0	61.4	62.1	63.0	63.9	64.4	64.8	64.7	64.0	63.5	63.2	62.9
	14	62.1	62.4	63.0	63.8	64.3	64.8	64.9	64.6	64.0	63.8	63.3	62.9
	15	61.6	61.9	62.3	63.0	63.2	63.7	63.7	63.1	62.9	62.4	62.1	62.0
	16	62.1	63.0	63.9	64.6	65.0	65.1	65.1	64.9	64.6	64.0	63.7	63.2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	62.5	63.0	63.6	64.0	64.2	64.3	64.4	64.1	63.9	63.2	62.8	62.6
	19	61.9	62.1	62.8	63.0	63.4	63.7	63.6	63.1	62.9	62.5	62.0	62.0
	20	61.3	61.9	62.2	62.7	62.9	62.9	62.9	62.7	62.3	62.0	61.9	61.9
	21	61.8	62.1	62.9	63.2	63.6	63.6	63.2	62.9	62.8	62.7	62.1	62.0
	22	60.9	61.2	61.8	62.0	62.1	62.1	62.0	62.0	61.8	61.6	61.3	61.1
	23	60.2	60.9	60.9	61.0	61.1	61.1	61.1	61.0	60.9	60.7	60.3	60.1
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	59.5	60.1	60.9	61.0	61.1	61.2	61.2	61.0	61.0	61.0	60.8	60.1
	26	59.9	59.9	60.2	60.8	61.0	61.1	61.1	60.9	60.7	60.2	59.9	59.8
	27	59.3	59.4	59.9	60.1	60.2	60.2	60.0	59.9	59.6	59.2	59.1	59.0
	28	58.8	59.0	59.4	59.7	59.9	59.9	59.9	59.8	59.6	59.2	58.9	58.9
	29	58.9	59.5	59.9	60.4	60.8	60.9	60.8	60.7	60.4	60.0	59.7	59.5
	30	59.0	59.1	59.7	60.0	60.0	60.0	60.0	59.8	59.5	59.1	59.0	58.9
October 1	—	—	—	—	—	—	—	—	—	—	—	—	
Hourly Means	60.02	60.40	60.92	61.31	61.62	61.76	61.75	61.53	61.25	60.92	60.65	60.45	

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
Sc. Div. 78·7	Sc. Div. 78·8	Sc. Div. 81·5	Sc. Div. 84·5	Sc. Div. 83·0	Sc. Div. 82·1	Sc. Div. 82·9	Sc. Div. 81·7	Sc. Div. 82·1	Sc. Div. 83·1	Sc. Div. 81·2	Sc. Div. 81·0	Sc. Div. 81·06
—	—	—	—	—	—	—	—	—	—	—	—	—
77·9	82·8	81·2	81·3	83·5	84·3	82·9	83·0	82·9	85·0	87·0	88·6	81·43
77·8	79·1	81·1	82·1	82·0	82·3	81·9	85·2	84·0	82·0	81·8	83·9	82·48
79·3	80·0	81·2	82·7	82·0	82·8	83·0	84·0	82·8	83·9	86·0	86·3	82·27
81·5	82·0	82·9	84·0	84·0	84·0	83·5	82·9	83·0	84·1	87·8	89·0	83·58
81·8	82·8	83·3	83·3	83·8	83·8	84·2	83·8	83·9	84·3	86·3	88·4	84·80
79·2	80·6	81·4	81·8	81·5	81·6	82·8	83·1	82·2	84·0	86·0	88·2	82·09
—	—	—	—	—	—	—	—	—	—	—	—	—
81·1	78·9	82·4	81·5	81·2	81·8	83·0	82·8	82·0	83·1	84·0	85·8	82·82
78·8	80·5	81·2	81·8	82·4	81·8	83·5	82·5	82·8	82·7	83·2	85·7	82·34
77·6	78·4	81·5	81·3	80·8	83·5	81·8	81·8	80·8	81·0	81·8	84·2	81·38
76·1	77·7	78·1	78·4	79·0	79·8	80·4	80·5	81·0	81·0	81·0	82·0	80·38
79·4	79·7	80·2	79·4	80·0	81·0	81·0	81·1	81·8	83·4	85·6	87·8	81·25
78·5	79·8	79·7	79·1	79·8	79·9	80·2	81·0	81·0	81·6	84·0	85·8	81·35
—	—	—	—	—	—	—	—	—	—	—	—	—
77·0	84·5	83·5	83·6	84·0	83·0	82·3	83·9	84·0	84·1	89·2	88·1	82·39
79·8	80·6	78·0	79·8	80·4	80·0	79·7	80·4	81·0	83·1	80·7	78·9	81·44
77·3	76·9	77·7	78·7	79·5	79·3	79·8	80·0	80·0	79·0	82·2	84·2	78·89
78·6	78·3	77·3	82·5	80·4	79·8	79·8	80·9	80·0	80·7	82·1	83·2	80·59
78·4	78·2	78·6	77·8	80·0	79·4	79·6	79·0	80·4	82·3	83·7	85·0	79·90
80·7	78·4	78·8	79·2	79·1	79·0	78·8	78·7	79·5	81·3	84·9	85·8	79·92
—	—	—	—	—	—	—	—	—	—	—	—	—
80·0	81·2	81·2	81·8	81·8	82·2	82·2	84·8	86·0	88·0	90·0	91·3	82·36
81·1	82·0	82·2	81·8	81·3	82·5	82·7	82·5	83·9	85·9	88·8	91·3	83·84
80·2	80·8	82·0	82·5	81·9	82·1	82·0	81·9	82·9	85·0	87·8	90·1	83·33
81·1	80·0	83·1	81·9	83·0	82·0	80·9	80·0	81·9	83·0	83·6	86·3	84·28
78·8	80·1	80·8	82·6	81·2	81·0	81·2	81·9	82·7	84·1	86·3	88·2	81·31
79·9	78·0	80·0	80·4	80·7	80·9	80·4	80·1	81·9	82·8	86·9	86·9	82·34
—	—	—	—	—	—	—	—	—	—	—	—	—
78·5	86·5	82·4	82·2	81·9	81·9	82·5	82·5	84·0	84·9	83·3	85·3	82·69
79·19	80·25	80·82	81·38	81·47	81·61	81·65	81·92	82·25	83·23	84·82	86·20	81·94

TEMPERATURE OF THE BIFILAR MAGNET.												
59·0	59·0	58·9	58·8	58·7	58·5	58·3	58·2	58·0	58·1	58·2	58·3	59·02
—	—	—	—	—	—	—	—	—	—	—	—	—
59·5	58·4	58·3	58·1	58·1	58·0	58·0	57·9	57·9	57·9	58·0	58·0	59·06
59·0	58·9	58·9	58·8	58·7	58·6	58·6	58·6	58·5	58·4	58·4	58·6	59·14
58·5	58·5	58·4	58·4	58·2	58·0	58·0	58·0	58·0	58·0	58·0	58·0	58·65
58·3	58·1	58·0	58·0	58·0	58·0	57·9	57·8	57·8	57·7	57·7	57·8	58·46
58·5	58·4	58·2	58·0	58·0	57·9	57·9	57·8	57·8	57·8	58·0	58·4	58·60
59·2	59·0	58·9	58·8	58·7	58·7	58·7	58·6	58·5	58·5	58·7	59·0	59·47
—	—	—	—	—	—	—	—	—	—	—	—	—
60·0	59·9	59·9	59·8	59·8	59·8	59·7	59·7	59·6	59·5	59·5	59·7	60·37
60·1	60·0	60·0	59·9	59·9	59·8	59·7	59·7	59·6	59·6	59·6	59·8	60·44
60·7	60·7	60·6	60·4	60·2	60·1	60·0	60·0	60·0	60·0	60·1	60·4	60·79
62·5	62·3	62·1	62·0	61·9	61·7	61·5	61·3	61·2	61·1	61·5	61·9	62·50
62·6	62·2	62·0	61·8	61·8	61·7	61·6	61·4	61·2	61·1	61·1	61·2	62·65
61·9	61·8	61·7	61·5	61·2	61·0	60·9	60·9	60·9	60·9	61·0	61·7	61·97
—	—	—	—	—	—	—	—	—	—	—	—	—
63·0	62·4	62·1	61·9	61·9	61·8	61·7	61·6	61·3	61·3	61·6	62·0	62·99
62·3	62·0	61·9	61·8	61·7	61·6	61·4	61·3	61·3	61·2	61·1	61·6	62·58
61·9	61·8	61·7	61·4	61·1	61·0	61·0	61·0	60·9	60·9	61·0	61·0	61·99
61·8	61·7	61·6	61·7	61·5	61·4	61·0	61·0	61·0	60·9	61·0	61·3	61·81
61·8	61·6	61·2	61·1	60·9	60·9	60·8	60·7	60·6	60·6	60·7	60·7	61·85
60·9	60·7	60·6	60·4	60·1	60·0	60·0	60·0	59·9	59·9	60·0	60·1	60·94
—	—	—	—	—	—	—	—	—	—	—	—	—
60·0	59·8	59·7	59·6	59·6	59·5	59·3	59·2	59·2	59·1	59·1	59·2	60·11
60·0	59·9	59·7	59·6	59·5	59·2	59·2	59·1	59·1	59·0	59·1	59·2	60·08
59·7	59·7	59·7	59·5	59·2	59·1	59·0	58·9	58·9	58·9	59·0	59·0	59·83
59·0	58·9	58·8	58·7	58·7	58·6	58·3	58·2	58·2	58·1	58·5	58·7	59·10
58·8	58·7	58·7	58·5	58·5	58·3	58·2	58·0	58·0	58·0	58·2	58·5	58·89
59·3	59·0	58·9	58·9	58·9	58·7	58·7	58·6	58·6	58·5	58·4	58·7	59·45
—	—	—	—	—	—	—	—	—	—	—	—	—
58·7	58·7	58·7	58·6	58·5	58·4	58·1	58·0	58·0	58·1	58·1	58·6	58·94
60·27	60·08	59·98	59·86	59·74	59·63	59·52	59·44	59·38	59·35	59·45	59·67	60·37

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
OCTOBER.	2	85.9	85.5	84.9	84.0	80.0	79.2	78.9	78.6	79.6	80.2	79.2	79.3
	3	84.1	86.9	85.8	84.1	83.3	81.2	79.8	79.6	79.5	80.0	79.1	79.1
	4	92.6	91.9	89.0	85.2	83.8	82.0	81.1	80.7	80.3	79.8	80.0	80.8
	5	91.0	90.1	87.0	85.0	82.3	78.0	75.5	75.2	74.0	75.5	77.5	78.5
	6	87.2	86.0	84.8	83.6	82.0	81.1	80.0	77.8	78.1	78.0	77.5	79.0
	7	86.8	86.1	85.8	83.6	82.2	81.8	80.0	79.4	79.8	79.3	79.3	79.4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	87.9	87.1	86.1	83.8	82.0	79.8	78.8	80.0	80.0	80.0	80.5	80.9
	10	87.3	88.2	86.3	84.5	82.9	81.5	80.6	79.9	78.0	77.5	77.2	78.0
	11	90.4	89.4	88.2	86.4	85.0	82.9	82.2	82.1	81.2	81.0	81.2	81.0
	12	90.0	88.0	86.0	85.2	83.7	82.7	81.0	79.6	79.0	77.9	78.3	77.3
	13	85.9	85.0	84.1	81.3	79.7	78.3	77.0	76.5	76.2	76.5	77.0	76.9
	14	83.2	83.4	84.0	82.8	82.8	81.6	78.5	76.3	73.9	75.0	74.0	76.5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	80.0	81.2	81.9	80.2	80.0	78.5	77.8	78.1	77.0	74.0	75.1	76.9
	17	80.3	80.0	74.8	78.4	75.2	74.0	72.9	76.0	75.0	76.0	76.1	76.0
	18	82.9	83.1	81.0	79.0	77.7	77.5	76.0	76.0	76.0	76.9	76.5	76.5
	19	84.0	83.0	81.9	79.7	77.8	76.2	76.1	76.9	75.8	75.2	75.7	75.8
	20	80.0	78.8	79.9	80.0	79.5	77.8	77.2	74.9	73.4	74.1	75.1	76.1
	21	80.9	80.8	79.5	78.9	78.1	77.8	77.1	77.0	76.9	77.1	77.1	77.2
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	89.0	88.0	87.0	85.0	82.7	81.9	80.3	79.2	79.0	79.0	79.1	80.0
	24	90.9	87.8	84.4	82.2	81.0	80.9	80.5	79.6	78.9	78.2	78.0	77.5
	25	87.8	87.1	86.7	84.3	80.2	79.1	78.2	77.6	77.6	76.9	76.9	76.9
	26	80.0	81.2	80.4	79.9	76.9	75.9	72.0	74.1	74.2	76.0	72.8	74.4
	27	81.9	77.0	78.9	78.2	77.9	76.9	76.3	76.1	76.0	76.0	76.1	75.9
	28	80.8	81.3	81.3	80.2	80.0	78.8	78.1	78.4	78.0	77.6	77.3	77.6
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	80.2	79.7	76.8	76.0	76.9	75.6	75.8	76.1	75.1	72.1	74.3	75.7
	31	81.2	79.9	77.6	77.8	77.0	76.1	74.4	75.0	75.3	74.8	75.1	75.9
	Hourly Means	85.08	84.48	83.23	81.89	80.41	79.12	77.93	77.72	77.22	77.10	77.15	77.66
TEMPERATURE OF THE BIFILAR MAGNET.													
OCTOBER.	2	58.9	59.0	59.7	60.0	60.5	60.8	60.8	60.7	60.2	60.0	59.8	59.6
	3	58.9	59.2	59.8	60.0	60.1	60.2	60.1	60.0	59.9	59.7	59.5	59.1
	4	58.9	59.2	59.6	59.8	60.1	60.1	60.1	60.0	59.9	59.7	59.5	59.2
	5	59.3	60.0	60.5	61.0	61.1	61.1	61.0	60.9	60.4	60.1	59.8	59.6
	6	59.3	59.9	60.4	61.0	61.1	61.3	61.3	61.1	60.8	60.5	60.1	59.9
	7	59.9	60.1	60.5	61.0	61.0	61.0	61.0	61.0	60.7	60.2	60.0	59.9
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	59.8	60.2	60.9	61.2	61.6	61.7	61.5	61.0	60.8	60.4	60.1	60.0
	10	59.4	59.7	60.0	60.0	60.5	60.6	60.6	60.3	60.1	59.9	59.8	59.7
	11	59.6	60.0	60.3	60.7	60.8	60.9	60.8	60.7	60.2	60.0	59.9	59.8
	12	60.5	61.0	61.9	62.3	63.0	63.7	64.0	63.9	63.5	63.1	62.7	62.1
	13	61.6	62.0	62.7	63.6	64.0	64.5	64.3	64.0	63.4	63.0	62.7	62.2
	14	61.2	61.8	62.1	62.6	62.9	63.0	62.9	62.7	62.3	62.0	61.7	61.5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	60.8	61.0	61.7	62.0	62.4	62.6	62.7	62.7	62.2	62.0	61.7	61.5
	17	61.2	61.9	62.8	63.3	63.7	63.9	63.9	63.7	63.1	62.6	62.1	61.9
	18	60.8	61.1	61.8	62.3	62.7	62.9	63.0	62.5	62.0	61.8	61.4	61.4
	19	61.6	62.0	62.7	63.0	63.1	63.1	63.0	62.9	62.9	62.6	62.4	62.0
	20	61.0	61.4	61.8	62.2	62.7	62.8	62.6	62.1	61.9	61.6	61.2	61.1
	21	60.9	61.2	61.8	62.1	62.7	62.9	62.9	62.7	62.2	61.9	61.7	61.4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	60.3	60.9	61.1	61.6	61.7	61.7	61.5	61.0	60.9	60.7	60.1	60.0
	24	60.5	61.0	61.1	61.2	61.4	61.5	61.6	61.3	61.1	61.0	60.8	60.6
	25	59.9	60.2	60.8	61.1	61.4	61.3	61.2	61.0	60.8	60.6	60.2	60.1
	26	60.0	60.6	61.0	61.2	61.7	61.8	61.5	61.1	61.0	60.8	60.5	60.3
	27	60.1	61.0	61.1	61.7	61.8	61.9	61.9	61.6	61.2	61.0	60.8	60.5
	28	60.4	60.8	61.2	61.7	62.0	62.0	61.8	61.5	61.2	60.9	60.6	60.3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	60.0	60.8	61.2	62.0	62.6	63.0	63.0	62.7	61.9	61.7	61.1	60.9
	31	60.7	61.1	61.9	62.6	63.1	63.4	63.3	62.9	62.6	62.1	61.9	61.8
	Hourly Means	60.21	60.66	61.17	61.58	61.91	62.07	62.01	61.77	61.43	61.15	60.84	60.63

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = .00023.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
81.9	82.7	81.8	83.0	83.8	83.8	83.0	82.0	84.0	85.5	86.0	84.0	82.37
80.9	80.3	80.1	81.0	81.0	81.0	81.3	82.0	84.0	87.0	90.0	92.0	82.59
81.0	82.0	81.2	84.0	82.8	83.2	82.3	81.5	83.9	86.7	88.8	87.9	83.85
79.4	79.8	80.0	82.3	79.0	78.7	78.4	78.0	79.3	80.5	83.8	87.0	80.66
78.2	79.8	79.0	79.2	78.9	79.8	79.5	80.0	81.8	82.9	86.0	86.5	81.11
—	—	—	—	—	—	—	—	—	—	—	—	82.02
79.9	79.3	79.5	80.2	81.0	81.0	81.5	82.0	83.0	84.5	86.0	87.0	82.69
80.3	81.5	81.9	81.9	81.8	82.2	82.2	82.8	83.7	84.2	87.1	88.0	82.16
79.0	80.0	81.2	81.3	81.6	81.4	81.9	82.2	82.2	83.9	86.3	89.0	83.75
81.0	81.2	81.5	82.0	82.0	82.0	82.2	82.0	83.0	85.0	87.2	89.8	81.05
77.3	77.2	77.3	78.9	79.1	79.4	79.6	79.7	79.9	81.0	83.0	84.1	79.45
77.0	77.2	78.0	77.1	79.2	79.0	79.0	80.0	81.0	80.0	81.8	83.2	79.10
—	—	—	—	—	—	—	—	—	—	—	—	78.19
75.1	78.8	76.8	77.2	77.8	77.7	78.9	79.1	79.5	81.3	82.3	81.9	77.42
75.5	76.7	77.7	78.0	77.8	77.9	78.2	78.9	77.9	78.0	79.0	80.2	78.64
75.8	77.3	77.4	77.3	77.0	77.8	77.8	78.9	79.0	80.4	81.9	82.8	77.67
76.5	76.3	77.3	77.8	79.1	78.1	77.8	78.0	79.2	81.1	83.0	84.0	77.68
76.0	76.8	77.6	77.1	77.4	76.1	76.4	76.5	76.4	78.5	78.0	79.2	80.03
75.9	76.2	77.0	78.0	77.4	77.2	78.0	78.0	78.9	79.8	80.0	81.0	82.80
—	—	—	—	—	—	—	—	—	—	—	—	81.56
77.8	78.9	78.8	79.3	79.4	79.9	80.3	80.9	83.0	86.0	88.8	89.3	80.65
80.0	81.0	81.8	81.0	81.1	81.9	82.1	82.9	81.0	83.0	91.0	91.1	77.70
77.8	78.2	79.0	80.5	80.9	81.2	81.1	80.3	81.8	83.6	86.0	87.1	77.39
77.2	78.0	79.2	80.1	80.2	81.0	80.7	79.1	81.0	82.9	82.6	84.2	79.33
75.3	77.7	79.5	80.3	79.1	79.6	78.4	77.8	78.6	79.3	80.3	81.2	77.31
75.9	76.1	76.5	76.6	76.9	76.9	77.8	77.1	77.9	78.5	79.0	80.9	77.71
—	—	—	—	—	—	—	—	—	—	—	—	—
78.0	75.4	75.2	76.9	77.8	78.6	78.8	80.0	82.3	84.0	83.9	83.5	—
75.6	76.4	76.8	77.1	76.9	77.9	77.9	77.8	79.1	81.9	81.9	81.9	—
76.7	76.4	79.4	78.4	78.0	77.8	77.0	77.6	78.2	79.7	82.2	83.5	—
77.88	78.51	78.87	79.45	79.50	79.66	79.70	79.81	80.75	82.28	84.07	85.01	80.19
TEMPERATURE OF THE BIFILAR MAGNET.												
59.3	59.1	59.0	58.9	58.9	58.8	58.8	58.7	58.6	58.6	58.6	58.7	59.42
59.0	58.9	58.9	58.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.22
59.1	58.9	58.9	58.9	58.8	58.7	58.6	58.6	58.5	58.8	58.8	58.8	59.22
59.4	59.2	59.0	58.9	58.9	58.9	58.7	58.6	58.6	58.6	58.7	59.0	59.64
59.8	59.8	59.7	59.6	59.5	59.2	59.1	59.0	59.0	59.0	59.1	59.5	59.96
—	—	—	—	—	—	—	—	—	—	—	—	59.87
59.8	59.7	59.5	59.4	59.2	59.0	59.0	58.9	58.9	58.9	59.0	59.3	60.02
59.9	59.7	59.6	59.5	59.3	59.2	59.2	59.0	58.9	58.9	59.0	59.0	59.60
59.6	59.3	59.2	59.1	59.1	59.1	59.0	59.0	59.0	59.0	59.1	59.2	59.93
59.7	59.7	59.6	59.5	59.5	59.4	59.4	59.2	59.2	59.6	59.9	60.0	61.83
61.9	61.7	61.3	61.0	61.0	61.0	60.8	60.7	60.6	60.5	60.8	61.0	62.18
62.0	61.9	61.7	61.5	61.1	61.0	60.9	60.9	60.9	60.7	60.8	60.9	61.27
—	—	—	—	—	—	—	—	—	—	—	—	61.32
61.2	60.7	60.6	60.5	60.4	60.2	60.0	60.0	60.0	60.0	60.0	60.2	61.82
61.2	61.0	61.0	60.9	60.9	60.8	60.6	60.4	60.2	60.2	60.4	60.8	61.43
61.7	61.3	61.2	61.1	60.9	60.8	60.7	60.5	60.3	60.2	60.2	60.6	61.69
61.3	61.2	61.0	61.0	60.9	60.9	60.7	60.7	60.7	60.5	60.6	61.0	61.15
61.7	61.4	61.2	60.9	60.9	60.8	60.6	60.2	60.1	60.1	60.5	60.8	61.10
61.0	60.9	60.8	60.7	60.5	60.4	60.2	60.1	60.0	60.0	60.1	60.6	60.39
—	—	—	—	—	—	—	—	—	—	—	—	60.49
61.1	60.8	60.7	60.4	60.2	60.0	60.0	59.9	59.9	59.9	59.9	59.9	60.26
60.0	60.0	60.0	59.9	59.8	59.7	59.7	59.7	59.6	59.5	59.6	59.9	60.33
60.5	60.2	60.0	60.0	60.0	59.9	59.9	59.7	59.6	59.5	59.6	59.9	60.57
60.1	60.0	60.0	59.9	59.9	59.8	59.7	59.7	59.6	59.5	59.6	60.0	60.13
60.1	60.0	59.9	59.8	59.8	59.7	59.5	59.4	59.3	59.3	59.6	59.9	60.85
60.2	60.1	60.0	60.0	60.0	59.9	59.8	59.8	59.7	59.8	59.8	60.0	61.41
—	—	—	—	—	—	—	—	—	—	—	—	—
60.1	59.1	59.0	58.9	58.9	58.8	58.8	58.8	58.7	58.9	59.1	59.6	—
60.7	60.2	60.0	59.9	59.9	59.8	59.8	59.7	59.6	59.8	59.9	60.2	—
61.5	61.2	61.0	60.9	60.8	60.6	60.1	60.0	60.0	59.9	60.0	60.4	—
60.46	60.23	60.11	60.00	59.92	59.81	59.70	59.62	59.55	59.55	59.67	59.92	60.58



HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
NOVEMBER.	1	84.9	84.7	84.1	82.5	81.2	79.7	77.9	76.9	76.9	76.8	76.4	76.4
	2	84.9	86.0	84.8	84.1	85.2	82.0	79.2	75.9	75.8	76.0	74.1	72.0
	3	77.0	79.2	78.0	77.1	76.9	76.0	74.8	72.9	72.8	72.7	72.7	73.0
	4	81.0	83.0	83.8	81.4	79.7	78.8	77.4	76.3	75.1	75.2	75.2	75.0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	83.0	81.9	80.0	78.0	77.0	75.7	75.9	75.6	74.9	74.1	74.9	74.6
	7	81.9	81.6	80.4	78.3	75.1	73.8	72.5	70.9	73.0	73.1	73.1	73.8
	8	85.1	84.5	83.0	82.9	78.8	77.0	76.4	75.0	73.9	73.5	73.0	73.8
	9	78.8	78.8	79.0	77.8	76.9	75.9	74.8	74.8	74.1	74.0	73.9	74.4
	10	83.9	82.8	81.9	79.6	77.2	75.9	75.0	74.4	74.2	74.1	74.8	74.3
	11	84.9	84.1	83.1	81.8	79.3	77.1	74.8	72.9	72.1	72.0	72.9	73.9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	86.4	85.7	84.2	82.1	74.2	70.3	67.8	66.0	67.0	67.1	68.9	69.8
	14	81.6	80.5	78.9	76.1	77.1	75.2	74.1	73.5	73.1	72.9	72.1	73.9
	15	78.7	78.0	76.8	75.2	74.0	74.1	73.3	72.4	72.0	71.0	73.2	73.5
	16	80.1	79.0	78.3	77.1	77.3	76.0	74.1	73.5	71.4	71.1	71.0	72.3
	17	80.0	80.0	79.6	78.8	77.3	75.9	75.2	74.8	74.1	73.9	73.1	74.1
	18	81.3	80.8	79.8	78.7	78.9	77.5	74.9	73.5	73.1	73.1	73.5	74.3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	81.9	81.1	80.8	78.9	78.8	78.0	76.9	75.0	74.2	74.0	74.0	74.1
	21	79.8	79.1	78.9	77.8	76.2	75.1	73.9	71.8	70.2	70.0	70.6	71.1
	22	77.2	74.9	74.0	74.1	74.2	73.8	72.9	72.0	71.9	73.1	73.2	74.0
	23	77.1	76.0	74.7	73.2	73.0	72.3	72.7	72.2	71.4	71.5	72.3	72.7
	24	85.2	81.0	79.3	76.5	73.5	73.1	73.2	71.2	70.1	68.2	70.0	70.9
	25	77.7	77.8	76.7	76.0	74.2	73.1	71.0	69.7	69.0	68.9	68.6	69.1
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	80.9	81.3	80.3	78.5	76.2	74.7	73.0	72.8	71.8	71.8	70.7	70.9
	28	79.8	81.0	80.1	78.1	75.1	72.2	70.0	68.1	69.0	70.0	69.1	70.0
	29	78.0	78.1	77.0	75.5	73.9	73.9	73.2	72.3	72.0	71.5	72.0	72.0
	30	74.3	74.2	74.4	74.1	74.2	73.5	74.0	73.0	72.0	70.0	70.6	71.1
	Hourly Means	80.93	80.58	79.69	78.24	76.75	75.41	74.19	72.98	72.50	72.29	72.46	72.88
TEMPERATURE OF THE BIFILAR MAGNET.													
NOVEMBER.	1	60.8	61.0	61.8	62.0	62.5	62.7	62.6	62.4	62.0	61.8	61.4	61.2
	2	60.9	61.4	62.0	62.8	63.1	63.2	63.2	62.9	62.7	62.4	62.0	61.8
	3	61.5	62.0	63.0	63.5	64.0	64.2	64.5	64.2	63.9	63.4	63.0	62.9
	4	62.1	62.7	63.0	63.1	63.5	63.8	63.8	63.8	63.6	63.1	62.9	62.7
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	61.1	61.5	62.0	62.7	63.0	63.0	63.0	62.9	62.6	62.1	61.9	61.9
	7	61.7	62.0	62.6	63.1	63.7	63.9	63.9	63.8	63.4	63.0	62.7	62.6
	8	61.7	62.0	62.7	63.1	63.8	64.0	64.1	64.0	63.8	63.4	63.0	62.8
	9	62.0	62.7	63.0	63.3	63.7	63.8	63.8	63.5	63.1	62.8	62.4	62.1
	10	61.7	62.3	62.9	63.6	64.0	64.3	64.3	64.0	63.7	63.2	62.9	62.8
	11	62.0	62.3	62.9	63.2	63.9	64.1	64.2	64.1	64.0	63.7	63.1	62.9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	62.0	62.8	63.1	63.7	64.0	64.4	64.2	64.0	63.9	63.9	63.8	63.6
	14	62.8	63.0	63.8	64.2	64.6	64.7	64.3	64.0	63.9	63.6	63.1	62.9
	15	63.3	63.8	64.0	64.1	64.6	64.7	64.7	64.1	63.9	63.8	63.6	63.3
	16	63.0	63.2	63.4	63.7	63.6	63.6	63.6	63.5	63.0	63.0	62.8	62.8
	17	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.0	62.9	62.8	62.7	62.5
	18	62.1	62.6	62.8	63.0	63.0	63.2	63.1	63.0	63.0	62.8	62.5	62.2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	62.5	63.0	63.9	64.7	65.2	65.6	65.8	65.6	65.1	64.6	64.0	63.7
	21	63.0	63.9	64.8	65.8	66.4	67.0	67.2	67.2	66.9	66.0	65.4	65.0
	22	63.9	64.5	65.1	65.9	66.6	66.9	66.9	66.7	66.1	65.7	65.2	65.0
	23	63.9	64.1	65.0	65.6	66.0	66.6	66.7	66.5	66.1	65.5	65.0	64.8
	24	64.1	64.9	65.5	66.0	66.8	67.0	66.9	66.3	66.0	65.7	65.1	65.0
	25	64.9	65.8	66.3	67.0	67.9	68.5	69.0	68.9	68.9	68.6	68.0	67.2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	65.6	65.6	66.1	66.9	67.4	67.5	67.5	67.0	66.6	66.1	65.9	65.7
	28	65.1	65.2	65.6	65.8	65.8	65.9	65.9	65.8	65.5	65.2	65.1	65.1
	29	64.5	64.8	65.0	65.1	65.4	65.6	65.7	65.5	65.1	64.9	64.5	64.4
	30	64.0	64.5	64.9	65.1	65.1	65.3	65.0	64.9	64.6	64.2	63.9	63.8
	Hourly Means	62.79	63.25	63.77	64.23	64.64	64.87	64.88	64.68	64.39	64.05	63.69	63.49

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
76.7	77.7	76.6	76.8	77.0	76.7	77.4	77.8	79.1	81.2	82.8	85.0	79.30
73.9	74.0	74.1	74.9	74.1	76.0	75.8	76.2	77.0	76.9	76.9	78.9	77.86
73.2	73.6	73.4	73.6	74.5	75.0	75.0	75.7	77.7	79.5	81.8	81.6	75.74
—	—	—	—	—	—	—	—	—	—	—	—	—
75.2	75.5	75.8	75.8	76.0	76.2	76.2	76.9	78.9	81.4	83.2	83.8	78.20
74.3	75.3	75.8	76.0	76.0	76.1	76.5	77.0	79.0	80.2	82.0	81.2	77.29
74.1	74.8	75.0	75.8	75.9	75.8	75.9	76.8	78.9	82.0	84.5	85.0	76.75
73.9	76.0	75.0	76.5	75.9	75.6	75.3	76.9	78.2	79.9	80.1	79.1	77.47
74.7	75.1	75.3	75.8	76.8	76.9	76.9	77.0	78.0	80.0	81.6	83.1	76.85
74.7	75.8	75.8	75.8	75.7	75.2	75.4	76.4	78.0	79.6	81.8	84.0	77.35
—	—	—	—	—	—	—	—	—	—	—	—	—
75.2	76.8	78.6	79.0	80.6	80.0	78.0	78.9	79.9	81.8	83.6	83.9	78.55
70.5	70.8	74.2	73.2	73.6	73.7	73.1	74.0	75.9	79.0	81.1	81.9	74.60
71.9	72.1	72.3	72.6	72.3	73.1	73.8	73.8	74.0	75.8	75.8	77.7	74.76
73.5	73.8	75.6	74.0	73.2	73.2	74.0	75.1	75.2	77.2	78.1	79.2	74.76
73.6	73.6	74.4	74.3	74.0	75.0	75.7	76.1	76.2	77.9	78.8	80.2	75.46
75.1	75.0	75.0	75.8	76.1	75.2	75.9	76.9	78.5	79.9	80.2	81.3	76.74
—	—	—	—	—	—	—	—	—	—	—	—	—
75.1	75.4	75.7	76.2	76.1	77.1	78.1	79.7	81.0	82.1	82.0	82.1	77.50
74.9	75.9	76.0	76.1	75.2	76.0	77.2	76.7	77.0	77.4	78.8	79.3	77.01
71.6	71.9	72.0	72.8	73.3	73.2	73.4	74.0	74.7	76.3	77.2	78.2	74.29
75.0	75.0	74.8	74.2	74.2	75.0	75.1	75.1	75.9	76.0	77.2	77.1	74.58
73.5	73.8	75.1	76.0	76.6	76.5	77.4	76.8	78.6	79.0	82.0	84.0	75.35
69.8	71.0	70.8	71.7	71.9	71.8	71.4	71.2	72.7	74.0	75.2	77.0	73.36
—	—	—	—	—	—	—	—	—	—	—	—	—
71.0	71.8	72.7	72.9	73.1	73.9	74.3	75.0	75.4	76.6	78.1	79.9	73.60
71.8	71.8	72.2	72.1	71.8	72.8	72.0	72.2	73.2	74.8	76.1	78.5	74.26
73.0	73.0	72.8	72.9	73.0	73.9	73.9	74.0	75.0	76.9	76.6	78.2	73.99
71.8	71.0	72.8	72.0	72.2	72.6	73.1	73.4	74.3	74.6	74.2	74.9	73.59
71.8	71.8	72.8	72.6	73.1	73.0	73.6	74.8	76.2	76.1	75.1	74.6	73.37
73.45	73.93	74.41	74.59	74.70	74.98	75.17	75.71	76.87	78.31	79.42	80.37	75.87

TEMPERATURE OF THE BIFILAR MAGNET.												
60.9	60.8	60.5	60.4	60.2	60.0	60.0	60.0	60.0	60.0	60.0	60.2	61.05
61.6	61.3	61.2	61.0	60.9	60.8	60.7	60.5	60.2	60.2	60.5	60.9	61.59
62.6	62.1	62.0	62.0	61.8	61.4	61.1	61.1	61.0	61.0	61.1	61.7	62.46
—	—	—	—	—	—	—	—	—	—	—	—	—
61.3	61.1	61.0	60.9	60.9	60.8	60.7	60.7	60.6	60.6	60.8	61.0	62.02
61.8	61.6	61.4	61.3	61.0	61.0	60.9	60.9	60.8	60.8	60.9	61.1	61.72
62.2	62.0	61.9	61.8	61.8	61.7	61.4	61.3	61.2	61.1	61.0	61.2	62.29
62.2	62.0	62.0	61.9	61.8	61.7	61.6	61.4	61.3	61.2	61.4	61.8	62.45
61.8	61.7	61.6	61.4	61.2	61.1	61.0	60.9	60.9	60.9	60.9	61.2	62.12
62.5	62.2	62.1	62.0	61.8	61.8	61.7	61.6	61.5	61.2	61.5	61.8	62.56
—	—	—	—	—	—	—	—	—	—	—	—	—
62.6	62.4	62.1	61.9	61.9	61.8	61.7	61.6	61.5	61.6	61.7	61.9	62.63
63.1	63.0	62.8	62.6	62.4	62.2	62.1	62.0	62.0	62.0	62.0	62.1	62.99
62.9	62.8	62.8	62.7	62.4	62.1	62.0	62.0	62.0	62.0	62.4	62.9	63.08
63.1	63.0	62.9	62.8	62.8	62.7	62.6	62.6	62.6	62.6	62.8	62.9	63.39
62.6	62.5	62.3	62.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.71
62.2	62.1	62.1	62.0	62.0	61.9	61.8	61.8	61.7	61.7	61.8	62.0	62.38
—	—	—	—	—	—	—	—	—	—	—	—	—
61.8	61.7	61.4	61.3	61.1	61.1	61.0	61.0	60.9	60.9	61.4	61.9	62.03
63.1	63.0	62.8	62.7	62.2	62.1	62.0	61.9	61.8	61.8	61.9	62.5	63.39
64.9	64.4	64.0	63.9	63.8	63.6	63.5	63.2	63.1	63.0	63.1	63.6	64.69
64.9	64.8	64.6	64.4	64.2	64.0	63.9	63.9	63.8	63.7	63.6	63.7	64.92
64.3	64.1	63.9	63.8	63.7	63.6	63.4	63.2	63.1	63.0	63.2	63.8	64.54
65.0	64.9	64.8	64.8	64.7	64.6	64.4	64.3	64.0	64.0	64.2	64.7	65.15
—	—	—	—	—	—	—	—	—	—	—	—	—
65.4	65.2	65.1	65.0	65.0	64.9	64.7	64.7	64.6	64.5	64.5	64.8	66.39
65.5	65.3	65.2	64.9	64.9	64.9	64.8	64.8	64.8	64.8	64.9	65.0	65.74
64.9	64.9	64.9	64.8	64.7	64.6	64.3	64.1	64.1	64.0	64.1	64.1	64.98
64.0	64.0	63.9	63.9	63.8	63.7	63.5	63.4	63.3	63.4	63.3	63.7	64.35
63.7	63.5	63.4	63.2	63.0	62.9	62.9	62.9	62.7	62.6	62.8	63.0	63.83
63.11	62.94	62.79	62.68	62.54	62.42	62.29	62.22	62.13	62.10	62.22	62.53	63.28

HORIZONTAL FORCE.													
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah'. = .00028.													
Mean Göttingen } Time. }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
DECEMBER.	1	74.9	74.8	74.0	73.9	72.2	72.0	70.1	70.0	68.9	68.6	69.9	70.1
	2	74.2	73.8	69.6	69.0	70.9	71.9	71.1	70.9	70.1	69.9	70.0	70.0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	78.2	78.0	77.8	76.0	75.1	74.9	72.9	71.0	70.9	70.1	69.6	70.2
	5	76.5	76.0	74.9	74.6	73.8	73.3	72.4	70.8	68.9	68.2	69.1	70.0
	6	76.2	74.8	74.2	74.0	73.8	73.5	72.8	71.2	70.2	71.0	70.9	72.3
	7	74.0	74.0	73.9	73.2	73.5	73.5	72.8	72.3	72.2	72.0	71.8	72.5
	8	79.7	79.2	79.9	79.2	75.5	72.0	69.0	61.1	61.1	64.1	66.0	67.0
	9	74.2	74.0	73.2	73.0	72.3	70.1	68.8	68.6	67.8	69.9	73.0	73.5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	71.5	72.0	70.9	70.0	70.0	67.9	67.9	66.9	67.2	67.1	66.8	67.9
	12	75.0	75.0	73.9	70.1	70.0	69.2	68.8	67.0	65.0	67.1	68.1	70.1
	13	73.9	73.9	74.0	72.8	71.9	70.4	68.0	65.0	63.5	63.9	65.0	68.1
	14	71.8	71.8	70.3	70.0	69.1	67.2	67.8	68.0	67.6	67.9	67.3	67.5
	15	75.0	74.9	73.9	71.7	69.9	68.1	67.5	67.0	67.0	67.0	67.5	68.0
	16	79.1	78.1	78.1	76.1	73.6	71.9	70.0	69.1	69.0	69.1	69.4	69.2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	77.0	78.6	77.6	75.4	73.1	71.1	69.3	68.2	68.1	68.9	69.8	70.3
	19	76.0	75.3	74.9	74.3	72.8	71.6	70.8	70.1	69.0	68.7	68.0	68.4
	20	74.3	72.7	71.0	70.0	68.9	67.2	66.1	65.4	65.3	65.6	66.0	65.9
	21	74.2	74.6	73.9	72.3	70.3	68.0	66.1	64.8	64.2	64.2	64.2	65.1
	22	77.0	76.3	75.1	73.0	70.4	68.0	67.0	65.7	64.3	65.0	64.9	65.0
	23	76.1	76.2	74.9	73.0	71.0	68.9	67.1	65.1	65.2	64.9	64.2	64.4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	74.6	74.7	74.0	73.5	71.3	69.9	69.1	68.1	67.1	67.9	67.8	67.9
	27	72.3	72.0	73.4	72.2	71.8	67.2	63.4	62.0	63.9	65.0	65.1	66.2
	28	73.0	71.3	67.0	65.0	65.2	65.8	63.8	62.2	62.1	62.5	62.3	62.7
	29	69.6	70.0	70.0	69.0	67.4	66.3	65.2	64.5	63.8	63.1	63.0	63.8
	30	71.5	71.1	70.0	70.6	69.0	67.7	66.9	66.0	63.9	63.7	63.9	64.8
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	74.79	74.52	73.62	72.48	71.31	69.90	68.59	67.24	66.65	67.02	67.34	68.04	
TEMPERATURE OF THE BIFILAR MAGNET.													
DECEMBER.	1	63.5	63.9	64.6	64.9	65.2	65.2	65.2	65.1	64.8	64.5	64.1	64.0
	2	64.0	64.0	64.4	64.9	65.0	65.2	65.3	65.2	65.0	64.9	64.6	64.3
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	63.8	64.0	64.2	64.7	65.1	65.7	65.8	65.7	65.2	65.0	64.8	64.8
	5	64.2	64.7	64.9	65.0	65.3	65.5	65.5	65.3	65.1	65.0	64.9	64.9
	6	64.0	64.1	64.4	64.7	64.8	64.8	64.8	64.6	64.2	64.1	64.0	63.9
	7	64.0	64.1	64.4	64.7	64.8	64.6	64.5	64.2	64.0	63.9	63.8	63.7
	8	63.2	63.7	63.9	64.4	64.7	64.9	65.0	64.9	64.9	64.7	64.7	64.4
	9	64.1	64.8	65.3	66.2	66.8	66.9	66.4	66.1	65.9	65.5	65.0	64.9
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	64.2	65.0	65.4	65.9	66.0	66.1	66.0	65.9	65.6	65.2	65.0	64.9
	12	64.5	64.9	65.1	65.2	65.8	66.0	66.0	65.9	65.8	65.3	65.1	65.1
	13	64.7	65.2	65.9	66.5	67.0	67.1	67.2	67.0	66.7	66.0	65.8	65.6
	14	65.0	65.8	66.3	67.0	67.0	67.1	67.0	66.9	66.3	66.0	65.8	65.6
	15	64.6	65.0	65.9	66.2	66.8	67.0	67.0	66.8	66.4	66.0	65.5	65.2
	16	64.8	65.2	65.8	66.3	66.9	67.0	67.0	67.0	66.2	65.9	65.6	65.1
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	65.0	65.2	65.8	66.3	66.9	67.0	67.1	67.0	66.8	66.1	66.0	65.8
	19	65.5	66.0	66.9	67.7	68.0	68.1	68.2	68.0	67.7	67.1	66.8	66.4
	20	66.0	66.9	67.3	68.0	68.7	69.1	69.5	69.5	69.1	68.7	68.1	67.9
	21	66.8	67.4	68.0	69.0	70.0	70.8	71.0	71.2	70.7	70.0	69.7	68.9
	22	67.8	68.8	69.9	71.0	72.0	72.8	72.9	72.9	72.1	71.6	70.9	70.2
	23	68.8	69.1	69.7	70.0	70.4	70.7	70.8	70.4	70.1	69.8	69.2	69.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	66.0	66.2	66.8	67.0	67.1	67.2	67.1	67.0	66.9	66.5	66.1	66.0
	27	65.5	66.0	66.3	66.8	67.1	67.6	67.6	67.4	67.1	66.9	66.6	66.2
	28	65.9	66.6	67.1	67.9	68.1	68.6	68.8	68.4	68.0	67.5	67.1	66.8
	29	66.8	67.2	67.9	68.6	68.8	69.0	69.0	68.9	68.7	68.1	67.9	67.7
	30	66.8	66.9	67.1	67.8	67.9	67.9	67.9	67.9	67.5	67.1	67.0	66.9
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	65.18	65.63	66.13	66.67	67.05	67.28	67.30	67.17	66.83	66.46	66.16	65.93	

<sup>a</sup> Christmas-day.

HORIZONTAL FORCE.												
One Scale Division = .00019 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = .00028.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
71.0	71.9	71.9	73.0	73.9	72.1	73.0	73.1	75.0	75.1	74.6	74.8	72.45
72.0	72.1	72.1	72.3	72.9	72.9	73.2	73.0	74.1	75.7	76.9	78.0	72.36
70.9	70.8	71.0	71.6	72.0	72.1	73.0	73.0	74.2	75.2	76.8	77.0	73.43
70.8	70.8	71.8	71.5	72.2	72.7	72.6	73.2	74.9	76.9	77.2	77.5	72.94
72.0	71.9	71.9	72.0	71.5	72.2	72.2	72.8	73.4	73.8	74.0	73.7	72.76
72.4	72.8	73.0	74.2	73.5	73.6	73.5	73.9	74.8	75.9	77.1	79.0	73.72
69.0	69.9	71.9	74.0	76.8	76.8	78.8	82.0	84.0	76.1	75.3	74.4	73.45
67.8	66.5	67.4	68.4	68.7	68.4	69.2	68.5	68.9	69.6	69.0	71.7	70.10
69.9	68.0	70.0	70.4	70.0	69.0	69.0	69.9	69.9	71.9	73.3	74.8	69.68
69.3	68.0	68.9	68.9	69.0	69.8	70.0	70.8	71.2	73.0	73.1	74.2	70.23
66.1	66.9	67.8	67.8	67.9	68.0	68.1	67.8	68.5	69.1	70.7	70.8	68.75
68.0	68.7	69.2	69.2	69.4	69.8	70.0	70.0	71.2	72.9	74.1	75.2	69.75
69.1	68.0	70.1	69.5	70.0	70.0	71.2	72.3	74.0	76.0	77.9	79.2	71.03
69.5	70.1	70.3	70.9	71.2	71.8	72.1	73.0	74.0	74.7	75.0	75.8	72.55
70.2	70.9	71.0	70.4	70.7	71.1	71.8	72.1	73.1	74.5	75.1	76.0	72.26
69.2	69.4	70.1	70.2	70.9	70.2	70.9	71.0	72.0	73.1	74.5	74.9	71.51
66.9	67.1	67.3	67.9	68.3	68.9	69.1	69.7	70.9	70.8	71.0	73.0	68.72
66.0	67.0	67.5	68.1	68.5	68.2	68.9	69.3	71.2	72.7	74.8	76.1	69.17
65.0	65.1	65.9	66.1	66.3	67.0	67.1	67.5	68.0	68.2	70.0	73.8	68.40
67.6	68.3	68.8	69.1	69.9	70.2	70.8	71.3	72.8	73.5	74.0	73.2	70.02
68.8	69.8	70.9	69.3	69.9	69.0	69.0	69.0	69.1	70.1	72.3	71.8	70.20
66.6	67.2	68.0	68.2	69.0	69.1	69.1	69.0	71.0	73.0	73.0	73.9	68.82
63.5	64.8	65.4	65.3	65.8	65.8	66.0	67.2	68.3	69.0	69.2	69.1	65.93
64.3	64.9	65.1	65.3	66.0	66.1	66.7	67.8	69.0	69.9	70.1	70.9	66.74
66.4	67.6	68.4	68.5	68.8	69.0	68.9	69.2	72.0	70.0	74.8	74.1	68.62
68.49	68.74	69.43	69.68	70.12	70.15	70.57	71.06	72.22	72.83	73.75	74.52	70.54

TEMPERATURE OF THE BIFILAR MAGNET.												
63.9	63.9	63.8	63.6	63.4	63.4	63.1	63.1	63.0	63.0	63.1	63.5	63.99
63.8	63.7	63.7	63.7	63.7	63.5	63.4	63.3	63.1	63.1	63.5	63.8	64.13
64.7	64.6	64.4	64.1	64.1	64.1	64.0	64.0	64.0	64.0	64.0	64.0	64.53
64.7	64.5	64.2	64.2	64.2	64.1	64.1	64.0	64.0	64.0	64.0	64.0	64.59
63.9	63.8	63.8	63.7	63.7	63.7	63.5	63.4	63.0	63.0	63.1	63.7	63.95
63.5	63.4	63.1	63.0	63.0	63.0	63.0	62.9	62.8	62.8	62.8	62.9	63.62
64.1	64.0	63.9	63.8	63.7	63.4	63.2	63.1	63.0	63.0	63.2	63.8	63.98
64.9	64.8	64.7	64.4	64.4	64.2	64.0	64.0	64.0	63.9	63.9	64.0	64.96
64.7	64.4	64.1	64.1	64.1	64.0	64.0	63.9	63.9	63.9	64.0	64.1	64.77
64.9	64.7	64.5	64.2	64.0	64.0	63.9	63.9	63.8	63.8	63.8	64.0	64.76
65.2	65.1	65.0	64.9	64.7	64.5	64.1	64.1	64.0	64.0	64.1	64.4	65.37
65.3	65.1	64.9	64.8	64.6	64.3	64.1	64.0	63.9	63.9	64.0	64.0	65.36
65.0	65.0	64.9	64.5	64.4	64.3	64.2	64.1	64.1	64.1	64.0	64.2	65.22
65.1	65.0	64.9	64.8	64.8	64.6	64.2	64.0	64.0	64.0	64.2	64.7	65.29
65.5	65.2	65.0	65.0	64.9	64.9	64.8	64.7	64.3	64.3	64.8	65.0	65.56
66.1	65.9	65.8	65.7	65.2	65.1	65.0	64.9	64.8	64.9	65.0	65.5	66.26
67.5	67.2	66.9	66.8	66.1	66.0	66.0	66.1	66.1	65.9	65.9	66.1	67.31
68.3	67.9	67.6	67.3	67.1	67.0	66.8	66.5	66.2	66.2	66.4	66.9	68.24
69.8	69.2	69.0	68.8	68.5	68.1	68.0	68.0	67.9	67.9	67.9	68.3	69.76
67.3	67.1	66.9	66.9	66.9	66.8	66.7	66.7	66.7	66.6	66.7	66.9	68.34
66.0	66.0	65.9	65.9	65.7	65.4	65.4	65.2	65.1	65.0	65.1	65.1	66.07
66.0	65.9	65.8	65.6	65.1	65.1	65.0	64.9	64.9	64.9	65.0	65.3	66.02
66.7	66.5	66.1	65.9	65.9	65.9	65.9	65.8	65.8	65.8	66.0	66.2	66.80
67.5	67.3	67.0	67.0	66.9	66.8	66.7	66.6	66.4	66.3	66.3	66.4	67.49
65.9	65.8	65.7	65.6	65.5	65.3	65.1	65.0	65.0	65.0	65.1	65.1	66.37
65.61	65.44	65.26	65.13	64.98	64.86	64.73	64.65	64.55	64.53	64.64	64.88	65.71

VERTICAL FORCE.													
One Scale Division = .00130 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	
	5	47.9	47.8	47.8	48.0	48.0	48.2	46.3	46.3	46.3	47.5	49.0	49.4
	6	49.1	48.6	48.2	48.0	48.2	48.5	48.5	48.5	47.7	48.0	48.0	48.0
	7	48.4	48.3	48.3	48.6	48.3	48.4	48.4	48.4	48.3	48.3	48.3	48.3
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	47.9	47.9	47.8	48.1	48.4	48.2	48.1	48.1	48.1	48.1	48.1	48.1
	10	47.6	47.7	45.8	46.4	46.5	46.4	46.4	46.5	46.5	47.2	47.2	47.2
	11	46.8	46.8	47.5	47.7	47.5	47.4	47.4	47.3	47.1	47.1	47.8	47.8
	12	46.7	47.2	47.4	47.6	47.9	47.9	47.9	47.9	47.8	47.8	47.8	47.8
	13	47.4	46.9	47.3	47.4	47.6	47.8	47.8	47.8	48.2	47.9	46.7	47.4
	14	46.3	46.3	46.8	47.0	47.2	47.4	47.5	47.6	47.5	47.5	47.1	47.1
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	42.0	42.0	42.6	42.7	43.1	43.5	43.5	43.5	43.5	43.4	43.2	43.2
	17	44.0	44.0	44.0	44.4	44.4	44.7	44.8	44.8	44.9	44.9	44.9	44.9
	18	44.0	44.0	44.0	44.0	44.5	44.5	44.9	44.9	44.9	44.6	44.4	44.3
	19	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	20	42.7	41.9	41.9	42.3	42.6	42.9	42.9	43.3	43.3	43.4	43.4	43.4
	21	42.8	42.8	42.8	42.9	42.9	43.4	43.5	43.5	43.9	43.9	43.9	43.7
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	44.1	44.2	44.5	44.6	44.6	44.4	44.4	44.4	44.4	44.4	44.4	44.4
	24	44.1	44.6	44.8	46.1	45.9	45.5	45.4	45.4	45.4	45.4	45.8	45.8
	25	44.5	44.5	44.9	45.3	45.6	45.8	45.3	44.9	45.0	44.7	44.2	44.4
	26	42.9	43.8	43.8	44.4	44.4	45.1	44.9	44.9	44.6	44.6	44.6	44.6
	27	42.5	43.1	43.3	44.0	44.0	44.5	44.5	44.4	44.4	44.1	44.1	44.1
	28	41.8	41.8	43.0	44.0	44.3	44.5	44.5	44.5	44.5	44.4	44.3	44.3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	41.9	41.4	42.3	43.2	43.8	44.3	44.3	44.3	44.3	44.4	43.9	43.3
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	45.00	45.00	45.15	45.52	45.65	45.82	45.72	45.72	45.70	45.74	45.72	45.74	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	
	5	65.2	65.5	65.6	65.9	66.0	66.2	66.6	66.5	66.4	66.2	66.0	65.9
	6	65.2	65.5	66.3	66.8	67.0	67.4	67.4	67.3	67.2	67.0	66.8	66.7
	7	65.5	66.1	66.6	67.0	67.4	67.6	67.9	68.0	67.8	67.6	67.4	66.9
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	65.8	66.1	66.6	67.4	67.9	68.0	68.3	68.4	68.1	68.0	67.8	67.5
	10	66.4	66.9	67.3	67.8	68.2	68.5	68.6	68.6	68.4	68.2	67.8	67.6
	11	67.1	67.2	67.7	68.1	68.4	68.6	68.5	68.5	68.5	68.5	68.5	68.4
	12	67.1	67.5	68.1	68.6	69.0	69.3	69.4	69.4	69.3	68.9	68.7	68.4
	13	68.0	68.2	68.2	68.9	69.3	69.5	69.5	69.3	69.0	68.8	68.6	68.3
	14	67.1	67.4	67.8	68.1	68.4	68.6	68.7	68.6	68.5	68.2	68.0	67.7
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	66.4	67.0	67.6	68.4	68.5	68.6	68.4	68.4	68.2	68.0	67.8	67.6
	17	66.6	67.0	67.5	68.0	68.4	68.6	68.8	68.8	68.6	68.4	68.2	68.0
	18	67.2	67.5	68.1	68.4	68.6	68.9	69.0	69.0	68.9	68.7	68.3	68.2
	19	67.4	67.8	68.2	68.8	69.1	69.3	69.6	69.2	69.2	69.0	69.0	68.6
	20	67.0	67.2	67.6	67.9	68.1	68.1	68.4	68.3	68.2	68.1	67.8	67.6
	21	67.1	67.4	67.9	67.9	68.0	68.0	67.9	67.8	67.7	67.5	67.5	67.3
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	67.2	67.6	68.1	68.2	68.4	68.5	68.6	68.6	68.4	68.2	68.0	67.7
	24	67.3	67.8	68.3	70.5	70.3	70.6	70.9	70.9	70.7	70.2	69.9	69.6
	25	68.7	69.1	70.0	70.8	71.4	71.8	71.7	71.3	70.9	70.8	70.3	70.1
	26	68.9	69.3	69.6	70.2	70.6	71.0	71.1	70.9	70.7	70.4	70.3	70.1
	27	68.7	69.0	69.4	69.7	70.1	70.3	70.7	70.8	70.7	70.5	70.2	69.9
	28	68.7	69.2	69.9	70.9	71.2	71.4	71.5	71.3	71.3	71.2	71.1	70.8
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	68.3	68.7	69.3	69.8	70.3	70.4	70.6	70.4	70.3	70.2	69.9	69.6
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	67.13	67.50	67.99	68.55	68.85	69.05	69.19	69.10	68.95	68.76	68.54	68.30	

\* Not included in the means.

VERTICAL FORCE.												
One Scale Division = .00130 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	48.8	48.5	49.0	48.5	48.5	48.6	48.6	48.6	48.3	48.1	—
49.4	49.4	49.1	49.0	48.7	49.0	49.2	49.0	48.8	49.0	49.0	49.1	48.38
49.1	50.0	48.5	48.2	47.9	47.6	47.4	47.4	48.2	48.3	48.2	48.4	48.27
—	—	—	—	—	—	—	—	—	—	—	—	—
48.1	47.9	47.3	47.4	47.4	47.3	47.3	47.5	47.5	47.5	47.5	47.4	47.93
48.1	48.1	48.3	48.1	47.9	47.7	47.9	47.9	47.6	47.6	47.6	47.5	47.97
47.4	47.4	47.5	46.9	46.9	47.4	47.1	47.1	47.1	46.9	47.0	46.8	46.95
47.8	47.8	47.7	47.7	47.8	47.9	47.6	47.6	47.4	47.3	46.6	46.6	47.42
47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.5	46.2	47.4	47.52
47.4	47.4	47.4	47.3	46.2	46.4	46.9	46.9	46.9	46.5	46.5	46.5	47.19
—	—	—	—	—	—	—	—	—	—	—	—	—
47.1	45.8	45.8	45.8	45.9	46.2	46.2	46.3	45.9	45.5	44.6	42.0	46.35
44.5	44.5	44.9	44.7	44.7	44.7	44.7	44.7	44.5	44.4	44.3	44.3	43.80
44.8	44.8	44.8	44.8	44.8	44.7	44.7	44.3	44.0	44.0	44.0	44.0	44.52
44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.4	44.4	44.4	44.4	44.6	44.45
44.7	43.9	43.9	43.9	43.2	43.1	43.1	43.1	43.6	43.5	43.5	43.0	44.10
43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.3	43.1	43.0	42.9	43.06
—	—	—	—	—	—	—	—	—	—	—	—	—
44.0	43.5	43.3	43.3	43.3	43.4	43.4	43.3	43.3	43.6	44.1	44.1	43.44
43.6	43.6	43.7	43.6	43.6	43.5	42.8	42.8	44.1	44.1	44.1	44.1	44.02
45.4	45.3	44.5	45.0	45.2	44.4	44.6	44.6	44.6	44.6	44.6	44.5	45.06
44.4	44.4	44.2	43.9	43.7	43.7	43.5	43.4	42.9	42.7	42.3	42.9	44.21
44.5	44.5	44.3	43.5	43.5	43.5	43.5	43.2	42.7	42.4	42.2	42.5	43.87
44.1	44.1	43.7	43.5	43.6	43.4	42.7	42.5	42.6	41.9	41.9	41.8	43.45
—	—	—	—	—	—	—	—	—	—	—	—	—
44.7	43.1	43.3	43.2	43.1	43.1	43.1	43.1	42.4	42.3	41.9	41.9	43.38
43.1	42.9	42.7	42.7	42.6	42.5	42.5	42.5	42.4	42.4	42.4	41.5	42.98
—	—	—	—	—	—	—	—	—	—	—	—	—
45.79	45.62	45.47	45.36	45.25	45.23	45.17	45.12	45.08	44.92	44.87	44.72	45.38

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	66.0	65.8	65.7	65.4	65.1	65.1	65.0	64.9	65.1	65.1	—
65.7	65.5	65.4	65.2	65.2	65.1	65.1	65.0	64.9	64.8	64.9	65.0	65.58
66.5	66.3	66.4	66.2	66.0	65.6	65.6	65.5	65.3	65.2	65.4	65.5	66.25
—	—	—	—	—	—	—	—	—	—	—	—	—
66.6	66.2	66.3	66.1	65.9	65.8	65.8	65.6	65.4	65.3	65.3	65.5	66.48
67.4	67.1	67.0	66.9	66.6	66.4	66.2	66.0	65.9	65.8	66.0	66.0	66.97
67.4	67.3	67.2	67.2	67.1	67.0	67.0	66.9	66.8	66.8	66.6	66.8	67.43
68.1	67.9	67.8	67.7	67.5	67.2	67.0	66.8	66.6	66.6	66.6	66.9	67.70
68.2	68.0	67.8	67.7	67.6	67.5	67.3	67.1	67.0	67.0	67.2	67.6	68.07
68.1	68.0	67.8	67.7	67.6	67.2	67.1	67.0	67.0	66.8	66.9	67.0	68.08
—	—	—	—	—	—	—	—	—	—	—	—	—
67.5	66.5	66.5	66.4	66.3	66.3	66.2	66.1	66.0	66.0	66.0	66.0	67.20
67.4	67.2	67.1	67.1	67.0	66.7	66.6	66.4	66.3	66.2	66.3	66.4	67.32
67.8	67.4	67.3	67.2	67.1	67.0	66.8	66.8	66.6	66.5	66.6	67.0	67.54
68.2	68.2	68.2	68.1	67.9	67.8	67.7	67.7	67.4	67.1	67.1	67.2	68.06
68.4	68.0	67.8	67.6	67.4	67.2	67.0	67.0	66.9	66.6	66.6	66.7	68.03
67.5	67.4	67.3	67.2	67.2	67.1	67.1	67.0	66.9	66.8	66.8	67.0	67.48
—	—	—	—	—	—	—	—	—	—	—	—	—
67.2	67.0	67.0	67.0	66.8	66.6	66.5	66.4	66.3	66.1	66.5	66.6	67.17
67.5	67.4	67.3	67.2	67.2	67.0	66.9	66.8	66.7	66.7	66.8	67.0	67.58
69.2	68.9	68.7	68.7	68.5	68.1	67.9	67.8	67.6	67.6	67.7	68.1	68.99
69.8	69.5	69.3	69.2	69.0	68.7	68.6	68.5	68.3	68.3	68.2	68.4	69.70
69.8	69.5	69.2	69.2	69.1	68.9	68.7	68.6	68.3	68.3	68.6	68.6	69.58
69.5	69.4	69.3	69.3	69.1	69.0	68.9	68.8	68.6	68.4	68.5	68.5	69.47
—	—	—	—	—	—	—	—	—	—	—	—	—
70.5	69.2	69.1	68.9	68.8	68.7	68.5	68.3	68.3	68.1	68.1	68.0	69.71
69.3	69.2	68.8	68.6	68.4	68.4	68.3	68.3	68.2	68.2	68.2	68.2	69.16
—	—	—	—	—	—	—	—	—	—	—	—	—
68.07	67.78	67.66	67.56	67.42	67.24	67.13	67.02	66.88	66.79	66.86	67.00	67.89

VERTICAL FORCE.													
One Scale Division = .00130 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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 <sup>a</sup>	—	—	—	—	43·9	43·9	43·9	43·9	44·7	44·5	44·2	
	2	43·2	43·2	43·9	44·7	45·0	45·6	45·7	45·7	45·5	45·0	44·8	
	3	44·1	44·1	44·3	44·5	44·5	44·8	45·1	45·1	44·9	44·8	44·8	
	4	43·3	43·9	43·3	43·8	44·4	44·8	45·3	45·3	45·0	44·9	44·5	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	43·8	43·8	43·8	43·8	43·7	44·0	44·0	44·0	44·0	45·0	44·8	44·3
	7	43·3	42·8	42·8	42·6	42·5	42·7	43·2	43·4	43·4	43·4	43·4	43·3
	8	42·7	42·7	42·6	42·6	42·6	42·6	43·1	43·1	43·1	42·9	42·9	42·9
	9	42·0	40·7	41·5	41·7	41·7	41·8	41·8	41·8	41·8	41·8	41·8	41·7
	10	40·8	41·5	41·7	42·1	42·6	42·7	42·7	42·7	42·7	42·7	42·7	42·7
	11	41·3	41·6	42·2	42·2	42·7	42·7	42·7	42·7	42·7	42·7	42·5	42·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	40·0	40·2	40·4	41·2	41·5	41·7	42·0	42·0	42·0	41·8	41·5	41·7
	14	40·3	40·3	40·3	40·3	40·5	40·7	41·0	41·3	41·2	41·2	40·9	41·3
	15	40·4	—	—	—	—	—	—	—	—	—	—	—
	16	—	45·8	45·2	45·2	45·0	45·0	44·2	44·0	43·0	42·5	42·3	41·9
	17	38·5	38·6	38·7	39·1	41·0	39·3	39·5	39·8	39·8	39·6	39·0	39·0
	18	38·9	39·7	39·5	39·9	40·2	40·3	40·4	40·5	40·5	40·3	40·0	40·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	37·6	37·4	37·8	38·2	38·5	38·8	38·8	38·8	38·8	38·8	38·8	38·8
	21	38·5	38·8	39·0	39·1	39·1	39·5	40·0	40·0	40·0	40·4	40·4	40·4
	22	38·9	39·0	39·5	39·9	40·3	40·3	40·4	40·4	40·4	40·4	40·2	39·9
	23	39·1	39·4	39·6	40·0	40·1	40·2	40·4	40·4	40·4	40·4	40·3	40·3
	24	39·1	39·6	39·7	40·1	40·1	40·1	40·2	39·7	40·2	40·5	40·2	40·3
	25	38·2	38·3	38·6	38·9	39·5	39·8	39·6	39·5	39·9	39·7	39·7	39·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	37·4	37·7	37·9	37·9	38·1	38·1	38·1	38·1	38·0	38·0	38·0	37·8
	28	37·5	37·6	37·5	37·3	37·3	37·8	38·0	37·8	37·5	37·5	37·2	37·2
Hourly Means	40·40	40·76	40·90	41·14	41·40	41·51	41·65	41·64	41·58	41·55	41·36	41·30	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1 <sup>a</sup>	68·3	—	—	—	70·2	70·3	70·1	69·8	69·5	69·3	69·1	
	2	68·2	68·6	69·2	69·7	70·3	70·7	70·9	70·3	70·2	70·0	69·8	
	3	68·5	69·2	69·7	70·1	70·3	70·7	70·7	70·4	70·1	70·0	69·7	
	4	68·5	69·1	69·7	70·3	70·8	71·2	71·4	71·3	71·0	70·7	70·4	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	69·0	69·3	69·5	69·7	70·3	70·6	70·6	70·5	70·5	70·6	70·4	70·3
	7	68·6	68·8	69·2	69·6	69·9	70·1	70·0	69·9	69·8	69·6	69·4	69·2
	8	68·9	68·7	68·9	69·2	69·6	70·0	69·8	69·7	69·5	69·2	69·1	69·0
	9	68·6	69·5	70·0	70·0	70·1	70·1	70·0	69·8	69·5	69·3	69·1	69·0
	10	68·6	69·0	69·8	70·1	70·7	71·0	71·3	71·5	71·3	70·8	70·5	70·3
	11	68·6	69·3	70·0	70·6	71·1	71·5	71·4	71·4	71·3	71·0	70·5	70·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	67·8	68·4	69·0	69·6	70·3	70·4	70·7	70·6	70·5	70·2	69·9	69·4
	14	68·5	68·6	68·8	69·2	69·3	69·3	69·1	69·1	68·9	68·9	68·8	68·6
	15	68·1	—	—	—	—	—	—	—	—	—	—	—
	16	—	69·0	69·4	69·7	69·8	70·1	70·0	69·8	69·8	69·7	69·4	69·3
	17	68·5	69·1	69·6	70·1	70·6	70·9	70·9	70·8	70·7	70·4	70·2	69·9
	18	68·9	70·0	70·1	70·4	70·9	71·2	71·4	71·3	71·1	70·8	70·5	70·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	68·7	69·1	69·9	70·4	71·2	71·6	71·8	71·8	71·5	71·2	70·9	70·4
	21	69·6	70·3	70·9	71·5	72·1	72·4	72·8	72·7	72·4	72·1	71·6	71·2
	22	69·6	70·3	71·0	71·8	72·5	72·8	72·9	72·8	72·6	72·2	71·9	71·4
	23	70·1	70·8	71·5	72·4	73·4	73·8	74·0	73·9	73·7	73·3	72·9	72·4
	24	71·1	71·6	72·3	72·9	73·6	73·8	73·7	73·5	73·4	73·0	72·8	72·4
	25	71·0	71·3	72·1	73·0	73·5	74·1	74·2	74·2	74·2	74·0	73·8	73·4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	70·1	70·1	70·1	70·0	70·0	70·0	70·0	69·9	69·9	69·8	69·7	69·5
	28	69·0	69·3	69·6	70·0	70·2	70·2	70·1	69·8	69·7	69·5	69·3	69·1
Hourly Means	69·02	69·52	70·01	70·47	70·93	71·20	71·26	71·17	71·00	70·75	70·50	70·22	

\* Omitted in the means.

VERTICAL FORCE.												
One Scale Division = .00130 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
44.2	44.2	44.1	44.0	44.1	44.1	44.1	44.0	44.0	43.7	43.5	43.2	—
44.8	44.7	44.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	43.8	44.60
44.3	44.1	44.1	44.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.3	44.26
—	—	—	—	—	—	—	—	—	—	—	—	—
44.4	44.0	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.15
43.8	43.9	44.2	43.9	43.9	43.9	43.8	43.8	43.6	43.7	43.5	43.3	43.93
43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	42.8	42.8	42.8	43.04
42.7	42.7	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.1	42.0	42.0	42.60
41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.3	41.2	41.0	41.57
42.7	42.3	42.3	42.3	42.2	42.2	42.2	42.0	42.0	41.8	41.8	41.6	42.21
—	—	—	—	—	—	—	—	—	—	—	—	—
41.9	41.2	41.1	40.7	40.7	40.7	40.7	40.6	40.6	40.6	40.6	39.9	41.53
41.7	41.6	41.4	41.2	41.3	41.3	41.3	41.3	41.3	41.1	40.8	40.8	41.30
41.6	41.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	40.6	40.4	40.92
—	—	—	—	—	—	—	—	—	—	—	—	—
41.5	41.1	41.1	40.6	40.3	40.9	40.4	40.4	40.2	40.2	39.5	39.6	42.10
39.0	39.0	38.8	38.5	38.4	38.4	38.4	38.4	38.6	38.9	38.7	38.7	38.99
—	—	—	—	—	—	—	—	—	—	—	—	—
39.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	37.6	39.61
38.8	38.8	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.46
40.2	39.7	39.7	39.6	39.1	39.1	39.2	39.2	39.2	39.2	39.1	38.9	39.48
39.9	39.9	39.6	39.6	39.6	39.5	39.6	39.4	39.4	39.1	39.1	39.1	39.73
40.2	40.2	40.2	40.0	39.9	39.9	39.5	39.5	39.5	39.5	39.3	39.1	39.89
40.3	40.3	40.3	40.4	40.1	40.2	40.0	40.0	39.6	38.9	38.4	38.3	39.86
—	—	—	—	—	—	—	—	—	—	—	—	—
38.8	38.0	38.0	38.1	38.2	38.2	38.8	38.8	38.7	38.6	37.9	37.8	38.78
37.8	37.8	37.8	37.9	37.9	37.5	37.5	37.5	37.7	37.7	37.6	37.4	37.80
37.2	37.2	37.2	37.1	37.1	37.1	37.1	37.0	37.1	37.1	36.8	36.3	37.27
—	—	—	—	—	—	—	—	—	—	—	—	—
41.19	41.00	40.91	40.82	40.75	40.77	40.75	40.72	40.70	40.61	40.45	40.20	41.00

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.	°.
69.1	69.0	68.7	68.5	68.4	68.3	68.2	68.1	67.9	67.9	67.8	67.9	—
69.4	69.2	69.0	68.9	68.8	68.5	68.4	68.3	68.1	68.0	68.0	68.2	69.23
69.4	69.0	68.7	68.5	68.4	68.3	68.2	68.2	68.0	67.9	67.9	68.1	69.20
—	—	—	—	—	—	—	—	—	—	—	—	—
69.9	69.3	69.2	69.1	69.0	69.0	69.0	68.9	68.7	68.5	68.4	68.7	69.68
70.2	69.8	69.5	69.3	69.2	69.1	69.1	68.9	68.8	68.7	68.5	68.5	69.62
68.9	68.9	68.6	68.5	68.5	68.3	68.2	68.2	68.1	68.0	68.1	68.3	68.95
68.8	68.7	68.5	68.4	68.3	68.3	68.2	68.1	67.9	67.9	68.0	68.3	68.79
68.8	68.4	68.4	68.3	68.1	67.9	67.9	67.8	67.7	67.4	67.5	67.8	68.79
70.0	69.8	69.3	69.1	69.0	68.8	68.5	68.3	68.3	68.2	68.1	68.3	69.61
—	—	—	—	—	—	—	—	—	—	—	—	—
69.9	68.4	68.4	68.2	68.0	67.9	67.6	67.5	67.3	67.3	67.2	67.5	69.25
69.4	69.1	69.0	68.8	68.7	68.6	68.3	68.3	68.3	68.2	68.2	68.3	69.17
68.5	68.4	68.2	68.2	68.2	68.1	68.1	68.0	67.8	67.7	67.7	67.8	68.49
—	—	—	—	—	—	—	—	—	—	—	—	—
69.0	68.9	68.8	68.7	68.5	68.4	68.3	68.2	68.2	68.0	68.0	68.2	68.97
69.8	69.8	69.3	69.1	69.0	68.9	68.9	68.8	68.7	68.5	68.5	68.6	69.57
—	—	—	—	—	—	—	—	—	—	—	—	—
70.0	68.7	68.6	68.5	68.5	68.4	68.3	68.1	67.9	67.7	67.8	68.3	69.48
70.3	70.0	69.6	69.4	69.2	69.1	69.1	69.0	68.8	68.7	68.7	69.1	69.98
70.7	70.4	70.2	70.0	69.9	69.7	69.4	69.2	69.0	68.7	68.9	69.1	70.62
71.2	70.9	70.6	70.3	70.2	70.1	69.9	69.8	69.5	69.4	69.4	69.5	70.94
72.2	71.8	71.5	71.2	71.0	70.8	70.7	70.7	70.5	70.3	70.3	70.6	71.83
72.1	72.0	71.8	71.6	71.5	71.3	71.1	70.9	70.9	70.8	70.6	70.6	72.05
—	—	—	—	—	—	—	—	—	—	—	—	—
73.3	70.7	70.7	70.7	70.7	70.7	70.6	70.5	70.4	70.3	70.3	70.3	72.00
69.5	69.4	69.4	69.4	69.3	69.1	69.1	69.0	68.9	68.8	68.6	68.7	69.51
68.9	68.7	68.5	68.4	68.3	68.2	68.1	68.0	67.9	67.8	67.7	67.7	68.92
—	—	—	—	—	—	—	—	—	—	—	—	—
70.01	69.56	69.35	69.21	69.10	68.98	68.86	68.76	68.62	68.49	68.47	68.66	69.76



VERTICAL FORCE.													
One Scale Division = .00130 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
MARCH.	1	36.3	36.2	36.9	37.4	37.9	38.0	37.9	37.9	37.7	37.7	37.4	
	2	37.2	37.2	37.4	37.6	37.9	37.9	37.9	37.9	37.1	37.1	36.4	
	3	36.3	36.5	36.8	36.9	36.9	36.9	36.9	36.8	36.8	36.6	36.2	
	4	35.7	35.6	35.6	35.6	35.7	35.8	35.8	35.8	36.5	35.8	35.7	35.7
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	35.4	35.2	35.3	35.1	35.6	35.9	36.1	36.1	36.1	36.1	35.8	35.9
	7	36.0	36.1	36.3	36.3	36.3	36.3	36.6	36.6	36.5	36.6	36.7	36.8
	8	35.4	35.8	35.8	35.8	35.9	35.9	35.9	35.5	35.5	35.5	35.5	35.7
	9	34.7	34.4	34.4	34.4	34.6	34.6	34.6	34.5	34.5	34.6	34.7	34.8
	10	34.7	34.7	34.7	34.8	34.9	34.9	34.9	34.9	34.8	34.8	34.7	34.7
	11	34.0	34.2	34.2	34.4	34.6	34.7	34.7	34.9	35.2	35.1	34.8	34.8
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	34.6	34.7	34.8	34.7	34.7	34.7	34.7	34.7	34.6	34.3	33.8	33.9
	14	33.2	33.5	33.5	33.8	33.8	34.0	34.1	34.1	34.1	33.8	33.5	33.5
	15	33.4	32.7	33.0	33.1	32.9	33.0	33.0	33.5	33.5	33.5	33.3	33.3
	16	33.1	33.1	33.3	33.6	33.6	33.6	33.6	33.6	33.8	33.8	33.3	33.3
	17	33.4	33.6	33.9	34.2	34.4	34.4	34.6	34.6	34.6	34.6	34.2	34.2
	18	33.7	33.7	34.1	34.5	34.9	34.9	35.3	35.5	35.5	35.1	34.9	34.7
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	33.4	33.4	33.4	34.0	34.1	34.1	33.8	33.8	33.5	33.5	33.4	33.4
	21	31.7	31.4	32.0	32.2	32.1	32.1	31.7	31.7	31.7	31.7	31.7	31.7
	22	31.6	31.7	31.7	31.9	31.9	31.9	31.9	32.1	32.7	32.7	32.7	32.7
	23	32.2	32.5	32.5	32.9	33.2	33.3	33.3	33.1	33.1	33.4	32.6	32.5
	24	31.1	31.3	31.6	31.6	31.6	31.6	31.6	31.4	31.5	31.5	31.4	31.4
	25	31.3	31.3	31.3	31.6	31.6	31.3	31.2	31.2	31.1	31.1	31.0	30.9
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	29.7	29.9	29.9	30.2	30.4	30.4	30.2	30.2	30.3	30.9	30.8	30.8
	28	28.8	28.8	29.3	29.4	29.4	29.5	29.4	29.3	29.3	29.0	29.5	29.5
	29	27.9	28.2	28.3	28.6	28.6	28.7	28.8	28.8	28.8	28.8	28.9	29.3
	30	28.6	28.7	28.6	29.1	29.1	29.1	29.1	29.1	29.1	28.4	28.6	28.6
	31	28.2	28.7	28.8	28.9	—	29.5	29.4	29.5	29.6	29.6	29.3	29.3
Hourly Means	33.02	33.08	33.24	33.43	33.72	33.59	33.59	33.60	33.61	33.54	33.36	33.38	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MARCH.	1	67.9	68.4	69.0	69.7	70.2	70.4	70.6	70.6	70.4	70.1	69.8	
	2	69.0	69.4	69.6	69.9	70.1	70.1	70.2	70.0	69.6	69.6	69.4	
	3	68.4	68.8	68.9	69.3	69.3	69.4	69.6	69.7	69.4	69.3	69.1	
	4	68.0	68.0	68.3	68.3	68.4	68.5	68.8	68.8	68.6	68.4	68.3	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	68.3	68.5	68.8	69.0	69.3	69.7	69.9	69.8	69.7	69.5	69.1	
	7	68.5	68.9	69.2	69.5	69.9	70.2	70.5	70.6	70.6	70.4	70.4	
	8	68.8	69.0	69.2	69.4	69.5	69.8	70.0	69.8	69.7	69.6	69.5	
	9	68.7	68.8	68.8	68.8	68.9	68.8	68.7	68.6	68.5	68.4	68.3	
	10	67.8	68.0	68.2	68.3	68.5	68.7	68.7	68.6	68.5	68.4	68.1	
	11	67.9	68.5	68.9	69.3	69.5	69.8	69.8	69.5	69.3	69.1	68.9	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	67.8	68.2	68.4	68.9	69.2	69.4	69.6	69.5	69.4	69.1	68.8	
	14	68.1	68.5	68.8	69.2	69.4	69.5	69.5	69.4	69.3	69.1	68.9	
	15	67.9	68.1	68.2	68.5	68.9	69.3	69.4	69.4	69.3	69.3	68.9	
	16	68.3	68.8	69.1	69.4	69.7	70.0	70.3	70.3	70.0	69.8	69.4	
	17	68.5	68.9	69.5	70.2	71.0	71.3	71.7	71.7	71.4	71.1	70.7	
	18	69.4	70.0	70.5	71.0	71.6	72.2	72.5	72.5	72.3	72.0	71.5	
	19	—	—	—	—	—	—	—	—	—	—	—	
	20	68.7	68.6	68.9	69.3	69.4	69.5	69.8	69.6	69.6	69.4	69.2	
	21	68.2	68.3	68.4	68.6	68.8	68.9	68.9	68.9	68.8	68.8	68.5	
	22	68.2	68.5	68.9	69.3	69.4	69.3	69.1	68.6	68.5	68.3	68.1	
	23	68.0	68.4	68.8	69.4	69.5	69.7	69.9	69.7	69.7	69.6	69.3	
	24	67.9	68.1	68.3	68.5	68.7	68.8	69.2	69.2	68.9	68.8	68.6	
	25	67.7	67.9	68.3	68.7	68.7	69.0	68.9	68.9	68.7	68.6	68.2	
	26	—	—	—	—	—	—	—	—	—	—	—	
	27	68.0	68.6	69.0	69.3	69.9	70.2	70.3	70.3	70.2	70.1	69.8	
	28	68.3	68.6	68.9	69.2	69.2	69.2	69.3	69.2	69.0	68.9	68.7	
	29	68.0	68.3	68.5	68.9	68.9	68.9	68.8	68.8	68.8	68.8	69.1	
	30	68.5	68.8	69.0	69.0	69.1	69.2	69.3	69.3	69.2	69.1	69.1	
	31	67.9	68.2	68.4	68.9	—	69.6	69.7	69.7	69.5	69.4	69.2	
Hourly Means	68.25	68.56	68.84	69.18	69.42	69.61	69.74	69.67	69.51	69.37	69.14		

VERTICAL FORCE.												
One Scale Division = .00130 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.2	37.2	36.8	36.8	36.8	37.28
36.4	36.4	36.3	36.4	36.3	36.3	36.2	36.2	36.2	36.2	36.2	36.2	36.80
36.1	36.1	36.1	36.0	36.0	36.0	36.2	36.2	36.2	36.2	36.1	36.0	36.37
—	—	—	—	—	—	—	—	—	—	—	—	—
35.5	35.7	35.7	35.6	35.6	35.6	35.8	35.7	35.7	35.6	35.4	35.4	35.69
36.1	36.1	36.0	36.2	36.3	36.3	36.3	36.3	36.6	36.4	36.1	36.0	35.97
36.8	36.8	36.4	36.5	36.4	36.2	36.2	36.2	36.2	36.2	35.6	35.4	36.33
35.7	35.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.4	35.4	35.2	35.58
34.8	34.9	34.9	34.9	34.9	34.8	34.8	34.8	34.8	34.8	34.7	34.7	34.69
34.7	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.2	34.1	34.1	34.0	34.62
—	—	—	—	—	—	—	—	—	—	—	—	—
34.8	34.7	34.6	34.6	34.3	34.3	34.8	34.8	34.7	34.6	34.6	34.6	34.63
33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.5	33.5	33.1	33.1	32.8	34.06
33.4	33.4	33.3	33.3	33.2	33.3	33.6	33.6	33.6	33.6	33.6	33.4	33.59
33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.13
33.3	33.7	33.7	33.7	33.7	33.6	33.6	33.6	33.5	33.3	33.3	33.4	33.50
33.8	33.8	33.8	33.8	33.8	33.6	33.8	33.8	33.6	33.6	33.6	33.8	33.98
—	—	—	—	—	—	—	—	—	—	—	—	—
34.7	33.4	33.4	33.4	33.4	33.5	33.4	33.8	33.8	33.8	33.3	33.5	34.18
32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.4	32.3	32.3	31.9	31.9	32.90
31.7	31.8	31.8	31.8	31.8	31.7	32.4	32.3	32.6	32.1	31.8	31.6	31.88
32.8	32.7	32.7	32.5	32.6	32.6	32.7	32.9	32.5	32.5	32.5	32.2	32.36
32.5	32.3	32.2	32.2	32.2	32.2	32.4	32.4	32.1	31.1	31.1	31.1	32.43
31.4	31.4	31.4	31.6	31.5	31.3	31.2	30.9	31.0	31.0	31.0	31.3	31.36
—	—	—	—	—	—	—	—	—	—	—	—	—
30.9	30.9	—	30.7	30.7	30.7	30.7	30.6	30.6	30.8	29.8	29.5	30.90
30.7	29.7	29.7	30.4	30.2	30.4	30.4	30.1	29.8	29.1	29.1	28.8	30.11
29.5	29.5	29.5	29.5	29.5	29.3	29.2	29.1	29.1	28.6	28.4	28.0	29.18
29.5	29.6	29.6	29.6	29.6	29.5	29.4	29.4	28.7	29.2	28.8	28.7	28.97
28.6	28.6	28.6	28.6	28.6	28.5	28.5	28.4	28.4	28.4	28.2	28.2	28.65
29.3	29.2	29.2	29.2	29.4	27.8	32.3	32.4	32.8	32.8	32.7	32.4	30.01
33.31	33.23	33.28	33.22	33.20	33.11	33.35	33.33	33.27	33.16	32.97	32.89	33.31

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
69.4	69.2	69.1	69.0	68.9	68.8	68.8	68.7	68.4	68.2	68.3	68.6	69.25
69.0	68.9	68.9	68.9	68.7	68.5	68.4	68.4	68.3	68.1	68.1	68.2	69.10
68.7	68.6	68.5	68.4	68.4	68.3	68.2	68.1	68.0	67.9	67.9	68.0	68.71
—	—	—	—	—	—	—	—	—	—	—	—	—
67.9	68.8	68.7	68.5	68.4	68.4	68.3	68.1	68.0	68.0	68.1	68.2	68.33
69.0	68.9	69.1	69.0	68.9	68.7	68.7	68.7	68.7	68.3	68.3	68.3	68.97
70.1	70.0	69.9	69.6	69.4	69.3	69.1	69.0	68.9	68.8	68.7	68.7	69.60
69.3	69.2	69.0	69.0	68.9	68.9	68.8	68.8	68.7	68.6	68.6	68.6	69.17
68.2	68.1	68.1	68.0	67.9	67.9	67.8	67.6	67.6	67.4	67.4	67.5	68.21
67.9	67.8	67.8	67.8	67.7	67.5	67.5	67.4	67.3	67.3	67.3	67.6	67.95
—	—	—	—	—	—	—	—	—	—	—	—	—
68.6	68.2	68.3	68.1	68.0	68.0	67.9	67.9	67.8	67.7	67.6	67.7	68.55
68.6	68.5	68.4	68.4	68.2	68.1	68.0	67.9	67.8	67.8	67.8	67.8	68.51
68.6	68.4	68.4	68.3	68.2	68.2	68.0	68.0	67.9	67.9	67.8	67.9	68.58
68.5	68.3	68.1	68.0	67.9	67.7	67.6	67.5	67.5	67.5	67.6	67.9	68.33
69.1	68.9	68.8	68.7	68.5	68.4	68.3	68.1	68.1	68.0	67.9	68.1	68.97
70.0	69.8	69.6	69.3	69.1	69.0	68.9	68.7	68.6	68.6	68.8	69.0	69.82
—	—	—	—	—	—	—	—	—	—	—	—	—
70.9	69.4	69.4	69.3	69.1	69.1	69.1	69.1	69.0	68.9	68.8	68.8	70.32
68.8	68.8	68.8	68.7	68.7	68.6	68.6	68.6	68.6	68.6	68.3	68.3	68.93
68.3	68.2	68.2	68.0	68.0	67.9	67.8	67.7	67.5	67.5	67.5	67.8	68.25
68.1	68.4	68.4	68.3	68.3	68.1	68.1	68.1	67.7	67.5	67.5	67.7	68.35
68.7	68.5	68.4	68.2	68.0	67.9	67.8	67.7	67.6	67.6	67.5	67.6	68.60
68.1	67.9	67.8	67.6	67.6	67.4	67.4	67.3	67.2	67.2	67.2	67.4	68.05
—	—	—	—	—	—	—	—	—	—	—	—	—
67.8	67.9	—	67.9	67.8	67.8	67.6	67.5	67.4	67.4	67.6	67.8	68.09
69.3	69.2	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.4	68.2	68.2	69.17
68.5	68.4	68.3	68.3	68.0	67.9	67.8	67.7	67.6	67.5	67.6	67.7	68.43
69.2	69.2	69.0	68.9	68.7	68.6	68.6	68.6	68.5	68.3	68.3	68.3	68.71
68.8	68.7	68.5	68.5	68.5	68.3	68.2	68.1	68.0	68.0	67.9	67.9	68.66
68.9	68.7	68.5	68.4	68.3	68.3	68.3	68.1	68.1	68.0	68.0	68.2	68.67
68.83	68.70	68.66	68.52	68.41	68.31	68.23	68.15	68.05	67.96	67.95	68.07	68.75

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	52.4	52.5	52.9	52.7	52.9	53.1	54.4	54.8	54.7	54.7	
	4	51.0	51.8	52.2	52.1	52.1	52.0	51.7	51.7	51.7	51.7	51.5	51.5
	5	50.6	50.6	49.7	49.6	54.0	54.4	53.4	53.2	53.6	53.5	53.7	53.6
	6	54.3	54.4	54.4	54.2	53.5	53.2	53.0	53.0	53.0	52.8	52.2	52.4
	7	49.4	50.0	49.9	50.4	50.7	50.7	50.8	50.6	50.3	50.3	50.4	50.1
	8	51.0	51.5	51.4	51.5	51.3	51.4	51.4	52.1	51.6	51.5	51.7	51.6
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	51.8	52.6	52.6	53.1	52.7	52.3	52.7	52.8	52.6	52.1	52.4	52.4
	11	51.7	52.1	52.4	52.6	52.6	52.6	52.4	52.2	52.1	52.0	51.8	51.7
	12	50.1	50.7	51.4	52.2	52.5	52.3	51.6	51.6	51.6	51.6	51.7	51.5
	13	51.2	52.3	52.8	53.9	54.3	54.7	54.6	54.2	53.4	53.0	52.1	51.8
	14	49.1	49.1	49.2	49.3	49.8	50.4	50.4	50.4	50.0	50.0	49.1	49.1
	15	49.9	50.2	50.5	50.8	50.8	50.8	50.7	51.2	50.5	50.1	50.0	50.0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	48.4	48.8	46.5	47.4	47.5	47.5	47.6	48.0	48.3	48.1	47.8	47.6
	18	46.0	46.0	46.1	46.1	46.1	46.2	46.3	46.3	46.4	46.4	46.4	46.4
	19	44.6	44.7	44.7	45.1	45.5	45.7	45.7	45.7	45.7	45.7	46.0	46.2
	20	45.2	44.8	45.1	45.2	45.4	45.5	45.7	45.8	46.2	44.6	44.6	44.4
	21	43.0	43.7	44.1	44.5	44.5	44.3	44.3	44.2	44.2	43.9	43.8	43.7
	22	44.2	44.6	44.9	45.3	45.3	45.3	45.2	45.1	45.1	44.7	44.6	44.6
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	42.4	42.8	43.3	43.7	44.1	43.9	43.9	44.3	44.0	45.4	45.0	44.9
	25	42.8	42.8	43.2	43.0	43.1	43.1	43.2	43.3	43.3	43.3	43.2	43.3
	26	42.3	42.2	42.3	42.7	42.7	42.7	42.7	42.9	43.1	43.1	43.1	43.1
	27	43.2	43.3	43.5	44.3	44.6	44.6	44.5	44.0	44.0	43.8	43.6	43.4
	28	42.2	43.0	43.8	43.5	43.4	43.4	43.5	43.6	43.7	40.0	43.7	43.6
	29	45.0	45.2	45.6	45.7	45.6	45.6	45.6	45.6	45.4	45.3	45.2	44.9
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	47.37	47.90	48.00	48.30	48.53	48.56	48.50	48.59	48.53	48.23	48.26	48.17	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
APRIL.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	67.7	68.2	68.9	69.6	69.9	70.3	70.3	70.1	69.9	69.4	69.0
	4	68.1	68.4	68.9	69.3	69.5	69.4	69.3	69.1	69.0	68.8	68.8	68.6
	5	67.9	68.0	68.5	68.4	68.8	68.8	68.7	68.7	68.7	68.7	68.7	68.7
	6	67.7	67.8	67.8	67.9	68.1	68.0	68.1	67.9	67.9	67.8	67.7	67.6
	7	67.7	68.2	68.7	69.2	69.6	69.7	69.7	69.5	69.2	68.9	68.8	68.4
	8	67.8	68.4	68.8	69.2	69.5	69.8	69.8	69.7	69.6	69.3	69.1	68.8
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	67.8	68.1	68.5	68.7	68.7	68.7	68.9	68.8	68.7	68.4	68.3	68.3
	11	67.7	68.1	68.4	68.8	69.1	69.2	69.0	68.8	68.7	68.6	68.4	68.3
	12	67.2	67.4	67.7	68.0	68.3	68.5	68.8	68.8	68.8	68.8	68.4	68.2
	13	67.9	68.4	69.0	69.6	70.1	70.3	70.6	70.4	70.2	70.0	69.6	69.4
	14	68.5	68.8	69.0	69.3	69.5	69.7	69.8	69.7	69.4	69.2	69.0	68.9
	15	68.4	68.7	68.9	69.2	69.4	69.5	69.5	69.4	69.2	69.1	68.8	68.8
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	67.7	68.7	69.2	69.3	69.5	69.7	69.7	69.6	69.4	69.1	68.9	68.6
	18	67.7	68.1	68.4	68.6	68.9	69.1	69.0	68.9	68.7	68.5	68.5	68.3
	19	67.9	68.3	68.9	68.9	69.4	69.5	69.4	69.3	69.1	68.9	68.8	68.8
	20	68.3	68.4	68.8	69.4	70.0	70.1	70.1	70.0	69.9	69.4	69.2	68.9
	21	67.8	68.3	68.8	69.2	69.2	69.2	69.3	68.9	68.7	68.3	68.2	68.0
	22	67.5	68.0	68.3	68.6	69.1	69.3	69.2	69.1	68.9	68.6	68.5	68.2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	67.7	68.2	68.4	68.7	69.2	69.2	69.1	68.9	68.7	68.4	68.2	67.9
	25	66.9	67.4	67.9	68.2	68.4	68.5	68.6	68.5	68.4	68.2	68.0	67.8
	26	66.9	67.3	67.6	67.8	67.9	68.0	67.9	67.9	67.8	67.6	67.5	67.3
	27	67.5	68.0	68.7	69.2	69.4	69.5	69.5	69.3	69.0	68.8	68.7	68.5
	28	67.8	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.3	68.0	67.7
	29	67.4	67.8	68.3	68.4	68.5	68.7	68.6	68.6	68.4	68.2	68.1	68.0
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	67.73	68.10	68.50	68.80	69.09	69.19	69.22	69.10	68.95	68.74	68.57	68.37	

VERTICAL FORCE.  
One Scale Division = .00085 parts of the V. F.

12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
54.2	54.7	54.7	54.1	53.6	53.1	52.8	51.6	51.4	51.6	50.8	51.0	53.17
51.5	51.2	51.2	51.2	51.2	51.0	51.0	51.0	51.0	51.0	50.4	50.4	51.38
53.5	53.6	53.2	53.9	53.6	53.6	53.6	53.8	53.9	54.0	54.0	54.3	53.12
52.4	52.4	52.6	52.0	52.1	52.6	52.3	52.3	52.4	52.2	52.0	51.6	52.80
50.1	50.1	49.9	49.9	49.8	50.9	50.9	50.6	50.8	50.8	51.1	51.0	50.40
—	—	—	—	—	—	—	—	—	—	—	—	—
51.6	50.1	50.2	52.0	52.5	52.4	52.2	52.0	51.9	51.8	51.8	51.8	51.60
52.4	52.4	52.4	52.4	51.8	51.8	51.8	51.7	51.5	51.3	51.3	51.5	52.18
51.6	51.6	51.6	51.6	51.6	51.4	51.3	51.1	50.9	50.7	49.8	50.2	51.65
51.2	51.1	51.1	51.1	51.8	51.4	50.9	50.9	50.9	50.9	50.9	51.2	51.34
51.7	51.7	51.6	51.6	51.6	51.4	51.4	51.4	50.9	50.8	49.2	49.1	52.11
49.1	49.1	49.1	49.3	49.3	53.1	52.9	49.6	50.4	49.8	50.0	50.0	49.90
—	—	—	—	—	—	—	—	—	—	—	—	—
50.0	49.1	48.8	48.3	48.1	48.3	48.3	48.1	48.1	48.1	48.2	48.2	49.46
47.4	45.2	44.6	45.6	45.8	45.8	45.7	45.5	45.5	45.5	46.0	46.0	46.75
46.2	46.0	46.0	45.6	45.7	45.6	45.5	45.4	45.4	45.1	45.1	44.5	45.87
46.0	46.0	45.8	45.8	45.6	45.0	45.4	45.2	45.2	45.1	45.0	44.9	45.43
44.3	44.3	43.8	43.8	43.3	43.2	43.2	43.2	43.2	42.9	43.0	43.0	44.32
43.7	43.7	43.3	44.3	44.5	44.5	44.5	44.4	44.2	44.2	44.2	43.9	44.07
—	—	—	—	—	—	—	—	—	—	—	—	—
44.6	43.8	43.8	43.8	44.5	42.6	42.5	42.5	42.5	42.6	42.5	42.3	44.04
44.6	44.6	44.4	44.2	43.9	43.9	43.9	40.4	43.0	43.0	42.9	42.9	43.73
43.2	43.2	42.8	42.8	42.6	42.6	43.1	43.1	42.9	42.9	42.6	42.5	43.00
43.1	43.1	43.0	43.0	42.8	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.85
43.4	43.4	43.4	43.4	43.3	43.3	43.3	43.3	42.7	42.7	42.8	41.9	43.49
43.4	43.4	43.5	44.3	44.5	44.5	44.5	44.7	44.6	44.6	44.7	44.8	43.70
—	—	—	—	—	—	—	—	—	—	—	—	—
44.7	44.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.6	44.84
48.08	47.84	47.71	47.84	47.82	47.88	47.84	47.46	47.52	47.45	47.30	47.27	47.96

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
69.1	68.7	68.5	68.5	68.4	68.3	68.2	68.1	68.0	67.9	67.8	67.9	68.81
68.5	68.4	68.3	68.3	68.2	68.0	68.0	67.8	67.7	67.6	67.7	67.7	68.48
68.6	68.5	68.5	68.4	68.4	68.4	68.3	68.3	68.0	67.8	67.7	67.7	68.38
67.5	67.4	67.3	67.5	67.5	67.5	67.5	67.5	67.4	67.2	67.2	67.3	67.63
68.2	68.0	67.8	67.5	67.3	67.2	67.1	67.1	67.0	67.0	66.9	67.3	68.17
—	—	—	—	—	—	—	—	—	—	—	—	—
68.7	67.5	67.7	67.7	67.7	67.5	67.4	67.6	67.5	67.2	67.3	67.4	68.38
68.2	68.1	68.0	67.9	67.8	67.8	67.7	67.6	67.5	67.5	67.4	67.4	68.12
68.1	68.0	68.0	67.9	67.8	67.5	67.3	67.2	67.2	67.0	67.1	67.1	68.05
67.9	67.6	67.4	67.2	67.0	66.9	66.9	66.9	66.9	66.9	66.9	67.3	67.70
69.2	69.1	68.9	68.9	68.8	68.4	68.3	68.2	68.2	67.9	68.1	68.3	69.08
68.8	68.7	68.6	68.6	68.6	68.5	68.4	68.4	68.2	68.0	68.0	68.1	68.82
—	—	—	—	—	—	—	—	—	—	—	—	—
68.5	67.8	68.0	67.7	67.5	67.3	67.2	67.2	67.0	66.9	67.1	67.3	68.27
68.3	68.0	67.9	67.8	67.6	67.5	67.4	67.3	67.2	67.1	67.3	67.5	68.35
68.2	68.1	68.0	67.8	67.6	67.3	67.3	67.1	66.9	66.7	67.0	67.4	68.00
68.8	68.9	68.8	68.8	68.8	68.5	68.5	68.2	68.1	68.0	67.9	68.0	68.69
68.7	68.3	68.2	68.0	67.7	67.6	67.5	67.4	67.2	67.1	67.0	67.3	68.52
67.8	67.6	67.2	67.1	67.0	66.9	66.9	66.8	66.8	66.7	66.9	67.2	67.87
—	—	—	—	—	—	—	—	—	—	—	—	—
68.0	67.5	67.4	67.3	67.2	66.9	66.9	66.9	66.9	66.8	67.0	67.4	67.90
67.8	67.6	67.3	67.3	67.2	67.0	66.9	66.8	66.8	66.5	66.5	66.7	67.79
67.6	67.3	67.2	67.1	67.0	66.8	66.8	66.6	66.5	66.5	66.5	66.7	67.48
67.3	67.1	67.0	66.9	66.9	66.7	66.7	66.7	66.5	66.3	66.7	66.9	67.22
68.3	68.1	68.0	68.0	67.7	67.5	67.3	67.2	67.0	67.0	67.1	67.4	68.20
67.4	67.3	67.3	67.2	67.2	66.9	66.9	66.8	66.7	66.7	66.9	67.1	67.63
—	—	—	—	—	—	—	—	—	—	—	—	—
67.8	67.4	67.4	67.4	67.3	67.2	67.1	67.0	66.8	66.8	66.7	66.8	67.70
68.22	67.96	67.86	67.78	67.67	67.50	67.44	67.36	67.25	67.13	67.19	67.38	68.13

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
MAY.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
	1	45.0	45.5	45.5	45.5	45.8	45.7	45.5	45.5	45.5	44.9	44.6	44.6
	2	45.2	45.9	45.9	46.0	46.0	45.7	45.6	45.5	45.5	45.1	44.7	44.4
	3	43.2	43.7	44.4	44.7	44.8	45.0	45.3	45.2	44.7	43.7	43.6	43.5
	4	41.4	41.4	42.1	42.2	43.0	43.0	43.4	43.4	43.2	42.9	42.8	42.5
	5	41.7	42.4	42.3	42.4	42.6	42.2	42.2	42.2	42.5	42.5	42.5	42.5
	6	41.4	41.4	41.7	41.9	42.1	42.1	41.7	41.8	41.7	42.2	41.9	40.0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	40.4	40.1	39.9	39.7	39.8	39.6	40.1	39.2	39.6	39.6	39.6	39.9
	9	40.2	40.4	40.8	40.8	40.8	40.7	40.8	39.2	39.4	38.9	40.5	40.2
	10	39.4	39.4	39.2	39.2	39.2	39.3	38.8	38.7	38.6	38.7	39.3	39.3
	11	38.8	38.8	39.4	39.4	39.6	39.6	39.7	39.7	39.6	39.4	39.4	39.2
	12	38.9	39.8	40.4	39.9	39.7	39.7	39.7	39.7	39.1	39.4	39.4	39.3
	13	38.0	38.1	38.4	38.2	38.4	38.4	38.4	38.8	39.0	38.8	38.8	38.8
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	38.0	38.0	38.7	38.7	39.5	39.5	39.4	39.0	38.0	38.0	37.1	37.1
	16	37.2	37.8	37.5	37.3	37.4	37.4	37.4	37.9	39.5	39.5	39.5	39.3
	17	39.7	39.6	39.4	39.0	39.2	39.7	39.7	40.0	40.2	40.1	40.0	40.2
	18	38.6	38.6	38.6	38.6	38.7	38.7	39.4	39.4	39.2	39.3	39.3	39.3
	19	39.0	39.2	39.0	38.9	38.9	38.9	38.9	39.2	39.2	38.9	38.2	38.3
	20	38.3	37.8	37.8	37.6	37.2	37.2	37.2	37.5	37.8	37.1	36.8	36.7
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	36.0	36.5	36.5	35.7	35.5	35.3	35.4	35.4	35.4	35.3	35.1	35.0
	23	35.5	35.7	36.0	36.4	35.9	35.9	35.9	35.9	36.3	36.3	35.0	34.8
	24	34.9	34.9	35.1	34.9	34.8	34.8	34.7	34.7	34.7	34.8	34.8	35.1
	25	34.6	35.2	35.2	35.2	34.9	34.9	34.9	34.9	34.9	34.9	34.5	34.5
	26	34.9	35.0	34.6	34.6	34.5	34.2	34.2	34.7	34.8	34.8	35.4	35.4
	27	34.8	35.0	35.2	35.4	35.7	35.7	35.9	35.8	35.9	35.9	35.7	35.7
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	34.0	34.3	34.8	34.6	34.8	34.8	34.6	34.8	34.8	34.7	34.6	34.6
	30	32.4	32.7	33.3	33.3	33.8	34.2	34.6	34.7	36.2	34.4	35.3	35.3
Hourly Means	38.52	38.74	38.91	38.85	38.95	38.93	38.98	38.95	39.05	38.85	38.78	38.67	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MAY.	°	°	°	°	°	°	°	°	°	°	°	°	
	1	67.3	67.7	68.2	68.8	69.0	69.2	69.2	68.9	68.8	68.4	68.0	
	2	67.5	68.0	68.4	68.8	69.1	69.4	69.2	69.1	68.9	68.6	68.3	68.2
	3	67.2	67.9	68.3	68.7	68.9	69.1	69.3	69.1	68.8	68.6	68.3	68.2
	4	67.8	68.0	68.4	68.9	69.4	69.6	69.4	69.3	69.0	68.8	68.5	68.3
	5	67.0	67.4	67.7	67.9	68.1	68.1	68.1	67.8	67.6	67.5	67.4	67.2
	6	66.3	66.6	66.9	67.0	67.3	67.3	67.5	67.4	67.2	67.0	66.8	66.8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	64.3	64.5	64.7	64.9	64.9	64.9	64.6	64.6	64.5	64.4	64.3	64.3
	9	64.4	64.7	64.8	65.1	65.2	65.4	65.5	65.5	65.5	65.4	65.3	65.3
	10	65.2	65.3	65.8	65.9	66.0	65.9	66.0	65.9	65.8	65.6	65.3	65.2
	11	64.4	64.7	64.8	65.2	65.5	65.5	65.4	65.4	65.2	65.2	65.1	65.0
	12	64.6	64.9	65.2	65.6	66.0	66.3	66.3	66.1	65.9	65.9	65.7	65.3
	13	65.0	65.1	65.3	65.7	65.9	66.1	66.1	66.1	65.9	65.8	65.5	65.3
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	64.6	65.3	65.6	65.8	66.2	66.3	66.3	66.0	65.7	65.6	65.5	65.3
	16	64.8	65.3	65.4	65.5	65.5	65.6	65.6	65.5	65.3	65.2	65.2	65.1
	17	64.3	64.4	64.5	64.6	64.7	64.8	64.7	64.7	64.6	64.4	64.3	64.2
	18	63.4	63.6	63.7	63.9	64.1	64.3	64.2	64.0	63.8	63.8	63.8	63.7
	19	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.3	63.2	63.1	63.1
	20	62.9	63.1	63.3	63.4	63.6	63.7	63.7	63.7	63.6	63.4	63.3	63.1
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	62.5	62.7	63.0	63.3	63.5	63.7	63.8	63.7	63.4	63.2	63.2	63.1
	23	62.6	62.9	63.3	63.5	63.7	64.0	63.8	63.7	63.5	63.4	63.3	63.2
	24	62.3	62.5	62.8	63.0	63.2	63.3	63.3	63.3	63.1	63.0	62.9	62.7
	25	62.4	62.9	63.0	63.3	63.4	63.5	63.4	63.4	63.3	63.1	62.8	62.8
	26	62.5	62.8	62.9	63.2	63.7	64.0	64.2	64.1	64.0	63.9	63.7	63.5
	27	63.1	63.4	63.7	64.2	64.6	65.0	64.3	65.2	65.0	64.8	64.5	64.1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	62.6	62.8	63.0	63.3	63.4	63.5	63.8	63.7	63.7	63.7	63.3	63.2
	30	62.4	62.9	63.4	63.9	64.3	64.6	64.5	64.3	64.2	64.0	63.8	63.4
Hourly Means	64.40	64.72	64.97	65.26	65.48	65.63	65.60	65.53	65.37	65.22	65.04	64.91	

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
44.4	44.4	44.4	44.5	44.4	44.0	44.0	43.8	43.8	43.8	44.4	44.6	44.75
44.2	44.0	44.1	44.3	44.3	43.7	43.9	43.9	43.9	43.2	43.2	43.2	44.64
43.5	43.3	43.3	43.2	43.2	42.9	43.2	43.3	42.9	42.9	42.7	42.7	43.70
42.2	42.0	41.5	41.5	41.4	41.2	41.2	41.2	41.9	41.9	42.0	41.9	42.13
42.4	42.2	41.8	41.8	41.5	41.8	41.6	41.7	41.6	41.4	41.4	41.4	42.03
—	—	—	—	—	—	—	—	—	—	—	—	—
40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	41.0	41.0	41.07
40.1	39.8	39.8	39.5	39.5	39.5	39.5	39.5	39.5	39.5	40.1	40.2	39.75
40.2	40.0	40.4	39.8	39.9	39.6	39.8	39.8	39.8	39.4	39.5	39.4	40.01
39.2	39.2	39.2	40.3	40.2	39.0	38.9	38.9	38.7	38.7	39.0	39.0	39.14
39.2	39.2	39.1	39.0	39.0	39.5	39.5	39.2	39.2	38.8	38.8	38.8	39.25
39.1	39.1	38.5	38.4	38.4	38.4	38.2	38.2	38.2	38.1	37.8	37.8	38.97
—	—	—	—	—	—	—	—	—	—	—	—	—
38.6	37.5	37.8	37.7	37.7	37.4	37.4	37.4	37.4	37.4	37.4	37.5	38.05
37.0	37.0	37.0	37.0	37.2	37.2	37.2	37.3	37.3	37.0	37.0	37.2	37.77
39.3	39.4	39.2	39.2	39.2	38.8	38.8	38.8	40.5	40.0	40.1	40.0	38.79
40.2	40.2	39.6	39.4	39.1	39.4	39.4	39.3	39.3	39.0	39.2	39.2	39.58
39.2	39.2	38.8	38.8	38.8	38.8	38.8	39.2	39.2	39.2	39.2	39.2	39.04
38.3	38.3	38.1	38.1	38.0	38.0	38.0	38.0	38.0	38.0	38.3	38.3	38.50
—	—	—	—	—	—	—	—	—	—	—	—	—
36.7	36.7	36.7	36.7	35.6	34.4	34.3	34.3	34.5	34.5	34.8	35.2	36.39
35.0	35.3	35.3	35.3	35.7	35.7	35.7	35.5	35.5	35.5	35.5	35.5	35.53
34.8	34.7	34.6	34.6	34.0	34.0	34.2	34.7	34.7	34.3	34.7	34.7	35.15
35.1	35.1	34.9	34.9	34.8	34.8	34.8	34.4	34.4	34.4	34.1	34.6	34.77
34.4	34.5	34.5	34.5	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.6	34.68
35.4	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6	35.6	34.5	35.04
—	—	—	—	—	—	—	—	—	—	—	—	—
35.3	34.8	34.4	34.2	34.2	34.2	33.9	33.9	33.7	33.7	33.9	33.9	34.87
34.4	34.1	34.1	34.1	33.5	33.4	33.4	33.4	33.1	32.9	33.0	32.9	34.06
35.3	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	34.4	34.4	34.4	34.60
38.60	38.50	38.38	38.37	38.27	38.11	38.12	38.12	38.18	38.02	38.14	38.13	38.55
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
67.8	67.5	67.4	67.3	67.1	66.9	66.8	66.8	66.7	66.7	66.7	66.9	67.76
67.9	67.8	67.7	67.6	67.5	67.3	67.2	67.2	67.1	67.0	67.0	67.2	68.00
68.1	67.9	67.7	67.7	67.5	67.4	67.4	67.3	67.2	67.2	67.3	67.5	68.03
68.1	67.9	67.6	67.6	67.4	67.2	67.1	66.9	66.6	66.5	66.5	66.8	67.98
67.1	66.9	66.8	66.6	66.5	66.3	66.2	66.2	66.0	65.9	65.9	66.2	67.02
—	—	—	—	—	—	—	—	—	—	—	—	—
66.8	65.1	65.0	64.9	64.9	64.8	64.7	64.7	64.6	64.6	64.5	64.3	65.96
64.3	64.3	64.4	64.4	64.4	64.2	64.1	64.0	64.0	64.0	64.2	64.3	64.40
65.2	65.1	65.1	65.0	65.0	64.9	64.8	64.7	64.7	64.7	64.7	64.9	65.04
65.1	65.0	64.8	64.8	64.5	64.3	64.3	64.2	64.1	63.9	64.2	64.2	65.05
65.0	64.9	64.7	64.7	64.6	64.5	64.5	64.4	64.3	64.3	64.2	64.4	64.83
65.0	64.9	64.7	64.7	64.7	64.7	64.6	64.5	64.4	64.4	64.5	64.8	65.13
—	—	—	—	—	—	—	—	—	—	—	—	—
65.2	64.4	64.4	64.2	64.2	64.1	64.1	64.1	64.1	64.0	63.9	64.1	64.92
65.1	65.1	65.0	64.9	64.9	64.7	64.7	64.6	64.6	64.6	64.7	64.7	65.24
65.0	64.9	64.7	64.7	64.5	64.3	64.3	64.2	64.1	64.1	64.0	64.2	64.88
64.0	63.9	63.8	63.7	63.6	63.5	63.3	63.3	63.2	63.2	63.0	63.3	64.00
63.6	63.5	63.3	63.3	63.3	63.3	63.2	63.1	63.1	63.0	63.0	63.0	63.54
63.0	62.9	62.9	62.9	62.8	62.7	62.7	62.6	62.6	62.6	62.7	62.7	63.00
—	—	—	—	—	—	—	—	—	—	—	—	—
63.0	62.8	62.8	62.8	62.7	62.6	62.5	62.3	62.2	62.1	62.2	62.3	62.96
63.0	62.9	62.8	62.7	62.5	62.4	62.4	62.3	62.3	62.2	62.3	62.4	62.89
63.1	63.0	62.9	62.8	62.5	62.3	62.2	62.1	62.1	62.1	62.1	62.2	62.93
62.7	62.6	62.6	62.5	62.4	62.3	62.2	62.1	62.1	62.1	62.1	62.2	62.64
62.8	62.7	62.7	62.7	62.6	62.6	62.5	62.4	62.3	62.3	62.3	62.3	62.81
63.2	63.2	63.2	63.1	63.1	63.0	63.0	63.0	62.9	62.8	62.9	63.0	63.29
—	—	—	—	—	—	—	—	—	—	—	—	—
63.8	63.2	63.0	63.0	62.9	62.8	62.6	62.5	62.4	62.4	62.4	62.5	63.56
63.1	62.9	62.8	62.4	62.2	62.0	61.9	61.8	61.8	61.8	61.8	62.0	62.77
63.3	63.3	63.2	63.2	63.1	62.9	62.7	62.6	62.6	62.4	62.4	62.7	63.34
64.78	64.56	64.46	64.39	64.28	64.15	64.08	63.99	63.93	63.88	63.90	64.04	64.69

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	—	—	—	—	—	—	—	—	—	—	—	
	2	—	55.4	54.6	54.4	54.4	54.9	55.0	55.7	55.7	54.9	54.6	54.2
	3	53.7	53.8	53.8	53.5	53.5	53.6	53.6	53.6	53.2	53.4	53.2	53.0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	52.2	52.8	53.7	54.2	55.4	55.7	55.8	55.8	55.7	55.3	54.6	54.4
	6	53.2	53.6	53.0	52.8	52.8	53.5	53.5	53.5	53.5	53.5	53.1	52.8
	7	53.9	54.0	54.3	54.4	54.0	54.0	54.0	54.0	54.0	53.9	54.0	53.5
	8	52.9	53.3	53.7	53.5	53.2	52.6	52.5	52.6	52.6	52.6	52.6	52.6
	9	53.0	53.2	53.2	52.2	52.2	52.2	52.2	52.2	52.2	51.7	51.3	51.2
	10	51.4	51.8	52.6	52.8	53.2	52.9	52.9	52.7	52.3	52.1	52.0	51.8
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	50.9	51.0	51.3	50.4	50.2	50.2	50.4	50.6	51.1	50.6	50.8	50.2
	13	50.1	50.1	50.3	50.4	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2
	14	50.6	50.3	50.5	50.6	51.0	51.2	51.2	51.7	52.3	51.6	51.4	51.0
	15	50.0	50.3	50.6	50.7	50.7	50.8	51.0	51.2	51.2	51.2	51.2	50.8
	16	50.6	51.1	51.2	51.6	51.7	51.7	51.7	52.5	52.5	52.5	51.7	52.3
	17	52.3	52.5	52.7	52.4	52.4	52.4	52.4	52.4	52.4	52.3	52.4	52.2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	50.0	50.6	50.6	50.8	50.8	50.5	50.7	50.9	51.0	51.0	50.8	50.6
	20	51.4	51.3	51.3	50.8	50.8	50.6	50.6	50.3	50.5	50.1	50.2	50.2
	21	49.6	48.9	48.8	48.9	49.0	49.7	50.1	50.0	50.0	50.0	49.7	49.8
	22	50.8	50.4	50.3	49.5	49.5	49.9	49.6	49.6	49.6	50.4	50.6	50.3
	23	48.9	48.6	48.4	48.1	48.1	48.1	48.1	48.1	48.6	48.6	48.1	48.6
	24	46.9	47.5	46.9	47.2	47.2	47.2	47.7	47.7	47.7	47.7	47.4	47.2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	48.3	48.3	47.9	47.4	47.2	47.3	47.9	47.9	48.1	47.8	47.4	48.0
	27	47.3	47.1	47.3	47.5	47.4	47.7	47.7	47.7	48.1	48.0	48.0	47.9
	28	47.9	47.8	48.0	48.2	47.9	48.7	48.7	48.7	48.7	48.7	48.0	48.3
	29	48.3	48.4	48.5	48.5	48.5	48.1	48.3	48.8	49.0	48.1	48.1	48.1
	30	48.2	48.0	48.3	48.6	48.2	48.2	48.2	48.2	48.1	48.1	48.0	48.0
Hourly Means	50.52	50.80	50.87	50.78	50.80	50.92	51.00	51.12	51.17	51.01	50.82	50.73	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
JUNE.	1	— <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	
	2	— <sup>a</sup>	63.8	64.1	64.3	64.5	64.7	64.7	64.6	64.5	64.4	64.1	63.9
	3	63.8	64.1	64.5	64.7	65.2	65.4	65.4	65.2	64.9	64.5	64.1	63.8
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	63.2	64.0	65.0	66.0	66.4	67.0	67.1	67.0	66.8	66.4	66.0	65.4
	6	64.2	64.7	65.2	65.4	65.6	65.7	65.6	65.4	65.2	65.0	64.7	64.6
	7	63.4	63.7	64.0	64.4	64.9	65.0	64.8	64.6	64.3	63.9	63.7	63.5
	8	62.1	62.3	62.5	62.7	62.7	62.7	62.6	62.5	62.5	62.4	62.3	62.3
	9	61.9	62.0	62.3	62.6	62.7	62.8	62.8	62.7	62.4	62.2	62.2	62.1
	10	61.6	61.8	61.9	62.2	62.5	62.6	62.5	62.2	62.1	61.9	61.7	61.6
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	60.7	60.8	60.9	61.2	61.2	61.5	61.4	61.2	61.2	61.0	60.8	60.8
	13	60.2	60.7	61.0	61.2	61.3	61.7	61.6	61.5	61.4	61.3	61.2	61.1
	14	60.5	60.9	61.1	61.5	61.7	61.8	61.8	61.7	61.7	61.4	61.3	61.3
	15	60.9	61.4	61.7	61.9	62.1	62.2	62.2	62.0	61.8	61.7	61.7	61.6
	16	60.8	61.2	61.4	61.7	62.0	62.3	62.5	62.4	62.2	62.1	61.9	61.9
	17	61.8	61.9	62.4	63.1	63.3	63.4	63.4	63.4	63.2	62.9	62.8	62.8
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.7	61.9	62.2	62.5	62.6	62.6	62.9	62.7	62.5	62.4	62.3	62.2
	20	61.2	61.4	61.7	61.8	61.8	62.0	62.0	62.0	61.9	61.8	61.6	61.4
	21	60.7	60.8	61.3	61.5	61.6	61.6	61.7	61.6	61.3	61.2	61.0	61.1
	22	61.0	61.2	61.2	61.5	61.8	61.9	61.8	61.9	62.0	62.0	61.8	61.5
	23	60.2	60.5	60.9	61.0	61.1	61.2	61.0	60.7	60.6	60.3	60.2	60.2
	24	59.9	60.3	60.9	61.4	61.7	61.8	61.9	61.9	61.7	61.4	61.2	61.0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	60.1	60.4	60.7	61.2	61.3	61.5	61.4	61.4	61.4	61.1	60.8	60.7
	27	60.6	60.9	61.2	61.3	61.4	61.4	61.4	61.3	61.2	61.1	61.0	61.0
	28	61.0	61.3	61.7	62.0	62.1	62.1	62.0	61.8	61.7	61.6	61.4	61.3
	29	60.8	61.1	61.5	61.7	61.8	61.8	61.7	61.6	61.3	61.2	61.1	61.0
	30	60.8	61.1	61.1	61.3	61.3	61.3	61.3	61.2	61.1	61.0	60.7	60.6
Hourly Means	61.38	61.77	62.09	62.40	62.58	62.72	62.70	62.58	62.44	62.25	62.06	61.95	

<sup>a</sup> Omitted in the means.

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
54.1	54.1	53.8	53.8	53.8	53.8	53.7	53.7	53.5	54.0	53.3	53.6	54.30
52.5	—	—	—	—	—	—	—	—	—	—	—	52.89
54.3	53.2	53.2	52.9	52.9	52.4	52.1	52.1	51.8	51.8	50.7	51.8	53.82
52.8	53.9	53.3	53.3	53.0	52.8	52.7	52.7	52.5	52.8	52.2	52.6	53.43
53.2	54.1	54.0	53.8	53.7	53.7	53.7	53.7	53.1	53.4	53.8	53.8	53.42
52.5	53.0	53.0	53.0	52.9	52.9	52.9	52.9	52.3	52.7	52.8	52.8	52.60
51.2	52.5	52.5	52.5	52.2	52.2	52.2	52.2	52.1	52.1	52.4	52.4	51.58
—	51.2	50.7	50.7	50.6	50.7	50.7	51.0	50.7	50.8	51.5	51.4	51.74
51.8	—	—	—	—	—	—	—	—	—	—	—	50.50
50.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	50.4	50.5	50.9	50.75
51.0	50.3	50.5	50.7	50.5	50.4	50.4	50.4	50.4	50.4	50.4	50.0	51.15
51.8	51.0	51.1	51.0	50.9	50.5	50.5	50.4	50.4	50.5	50.5	50.0	50.98
50.9	51.4	51.4	51.3	51.2	51.3	51.3	51.3	51.6	51.6	50.0	50.0	51.95
52.3	51.3	51.2	51.2	51.1	51.1	51.1	51.1	51.0	51.0	51.2	51.2	51.92
—	52.3	52.0	52.0	52.0	52.1	52.1	52.0	52.0	52.2	52.3	52.3	50.63
52.0	—	—	—	—	—	—	—	—	—	—	—	50.26
50.6	52.0	51.7	51.7	51.6	51.6	51.6	51.6	51.6	51.7	50.1	50.1	49.78
50.0	50.6	50.6	50.3	50.0	50.3	50.2	50.6	50.6	50.6	51.2	51.3	49.58
50.2	50.0	50.0	50.0	49.9	49.8	50.0	49.8	49.7	49.7	49.6	49.6	48.43
49.9	50.3	49.6	49.8	49.9	50.1	50.3	50.1	49.9	49.3	50.5	50.2	47.24
48.4	49.8	49.9	49.9	49.0	48.2	48.8	48.8	48.7	48.7	48.8	49.0	47.71
—	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.6	48.4	49.1	47.68
47.2	—	—	—	—	—	—	—	—	—	—	—	48.33
48.0	46.8	46.8	47.0	47.1	47.0	47.1	47.1	46.9	46.9	47.8	47.8	48.33
47.9	48.0	47.7	47.7	47.7	47.7	47.6	47.6	47.5	47.5	47.3	47.3	47.95
48.3	47.9	47.9	47.9	47.6	47.6	47.4	47.4	47.6	47.8	47.5	47.9	47.95
48.1	48.3	48.4	48.4	48.3	48.3	48.3	48.3	48.2	48.2	48.6	48.6	48.33
48.0	48.1	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.1	47.9	48.2	48.33
—	48.0	47.6	47.6	47.6	47.6	47.6	47.4	47.4	47.5	48.4	47.9	47.95
50.69	50.72	50.60	50.56	50.46	50.41	50.41	50.40	50.31	50.33	50.29	50.40	50.67
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
63.8	63.7	63.7	63.7	63.8	63.7	63.7	63.6	63.5	63.4	63.5	63.6	63.97
63.6	63.7	63.5	63.4	63.2	63.0	62.8	62.6	62.3	62.2	62.3	62.7	63.79
65.0	64.7	64.2	63.8	63.4	63.1	63.0	62.9	62.8	62.8	63.2	63.6	64.70
64.3	64.1	64.0	63.8	63.5	63.3	63.2	63.1	63.0	63.0	63.0	63.2	64.28
63.3	63.1	62.9	62.7	62.6	62.6	62.4	62.4	62.1	62.0	62.0	62.0	63.35
62.2	62.1	62.0	62.0	61.8	61.7	61.7	61.6	61.5	61.3	61.5	61.7	62.11
62.0	61.9	61.9	61.8	61.6	61.5	61.4	61.3	61.1	61.2	61.2	61.4	61.96
61.4	60.8	60.7	60.6	60.4	60.3	60.2	60.2	60.2	60.2	60.2	60.4	61.26
60.8	60.9	60.8	60.8	60.8	60.5	60.3	60.3	60.2	60.2	60.0	60.0	60.76
61.0	60.9	60.9	60.9	60.7	60.5	60.4	60.2	60.1	60.0	60.1	60.2	60.84
61.1	61.0	60.9	60.8	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	61.09
61.4	61.4	61.3	61.2	61.1	61.0	60.8	60.7	60.6	60.6	60.7	60.7	61.36
61.8	61.7	61.7	61.7	61.6	61.6	61.5	61.4	61.3	61.3	61.5	61.4	61.70
62.6	61.7	61.6	61.5	61.4	61.3	61.2	61.1	61.1	61.1	61.3	61.5	62.16
62.1	62.0	62.0	61.8	61.7	61.7	61.7	61.4	61.2	61.1	61.0	61.1	61.97
61.2	61.2	61.2	61.2	61.2	61.2	61.1	61.0	60.9	60.9	60.8	60.7	61.38
61.3	61.4	61.4	61.3	61.3	61.3	61.3	61.2	61.2	61.3	61.2	61.0	61.28
61.3	61.1	60.9	60.7	60.5	60.3	60.1	60.1	60.0	59.9	59.9	60.0	61.02
60.1	60.0	60.0	59.9	59.9	59.9	59.9	59.8	59.8	59.8	59.5	59.7	60.26
60.7	60.4	60.4	60.2	60.2	60.1	60.0	59.9	59.8	59.8	59.8	59.9	60.68
60.4	60.3	60.3	60.3	60.1	60.1	60.0	60.0	60.0	59.9	59.9	59.9	60.56
60.9	60.8	60.7	60.6	60.3	60.3	50.3	60.3	60.3	60.3	60.6	60.7	60.83
61.3	61.2	61.1	61.0	60.9	60.9	60.7	60.7	60.6	60.5	60.4	60.5	61.24
61.0	61.0	61.0	61.0	60.9	60.9	60.8	60.8	60.6	60.5	60.4	60.7	61.09
60.5	60.4	60.3	60.2	60.2	60.1	59.9	59.8	59.6	59.6	59.6	59.8	60.53
61.80	61.66	61.58	61.48	61.35	61.26	61.16	61.08	60.98	60.94	60.97	61.10	61.76



VERTICAL FORCE.													
One Scale Division = 00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
JULY.	1	47.1	47.6	48.0	48.0	48.5	48.6	48.6	48.8	48.8	48.6	48.5	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	48.2	48.4	48.0	47.8	48.0	48.5	48.7	49.1	49.2	49.2	48.7	48.3
	4	47.2	47.3	47.3	47.0	47.3	47.6	47.7	48.1	48.1	48.2	48.1	48.0
	5	44.6	44.6	44.3	44.1	44.4	45.2	45.2	45.1	46.5	46.5	46.3	46.3
	6	46.0	45.7	45.2	44.5	44.7	44.7	44.7	45.6	45.8	45.8	45.8	45.8
	7	45.5	45.2	45.4	45.7	45.6	45.8	45.8	46.5	46.5	46.5	46.0	46.0
	8	45.9	46.1	45.9	45.9	46.1	46.2	46.4	46.4	46.4	46.7	46.8	45.3
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	46.3	46.7	46.7	46.6	46.9	47.1	46.9	46.8	46.8	46.8	46.7	46.5
	11	46.1	46.4	46.6	47.2	47.2	47.0	47.0	47.4	48.0	48.0	47.6	47.6
	12	46.7	47.0	47.1	47.2	47.5	47.5	47.6	47.6	48.2	48.2	47.5	47.1
	13	47.1	47.5	48.1	48.6	48.4	48.7	48.7	48.7	48.6	48.6	50.0	50.2
	14	48.8	48.7	49.0	49.1	49.5	49.5	49.5	50.9	49.8	50.9	50.4	50.4
	15	48.2	48.4	48.6	48.6	49.6	50.6	50.6	49.6	49.6	49.4	49.4	49.1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	47.1	46.7	47.2	47.2	47.9	48.1	48.1	48.2	48.1	47.9	47.8	47.8
	18	47.0	47.5	47.9	47.9	48.0	48.2	48.2	48.5	48.6	48.4	48.4	47.8
	19	48.0	48.4	48.9	49.4	49.4	49.0	49.3	49.1	49.1	48.8	48.3	48.6
	20	46.3	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	45.9	47.5	47.3
	21	42.8	42.8	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.7	43.6	43.1
	22	43.0	43.2	43.2	43.6	43.8	43.8	43.8	43.8	43.8	43.5	43.4	43.3
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	43.3	43.8	44.2	45.0	45.0	45.0	44.8	44.2	44.1	43.8	43.5	43.6
	25	42.9	42.9	42.9	42.9	42.9	42.9	43.6	43.6	43.7	43.7	43.5	43.7
	26	43.5	43.7	43.8	44.0	44.4	44.3	44.2	44.2	44.2	44.0	44.0	43.9
	27	44.8	45.2	45.4	45.7	45.9	45.8	45.5	45.5	45.5	44.6	44.6	44.7
	28	45.2	45.3	45.9	46.3	46.1	45.6	46.2	45.7	45.7	45.3	44.7	44.8
	29	44.7	44.6	44.6	45.5	46.0	45.7	45.7	45.1	45.1	45.1	45.0	44.7
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	45.85	45.99	46.13	46.28	46.48	46.57	46.62	46.73	46.76	46.72	46.64	46.47	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JULY.	1	60.3	60.7	60.9	61.3	61.7	61.8	61.8	61.7	61.6	61.3	61.3	61.1
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	61.3	61.7	61.8	62.0	62.5	62.7	62.6	62.5	62.3	62.0	61.6	61.2
	4	60.3	60.6	60.8	60.9	61.1	61.3	61.4	61.5	61.4	61.3	60.9	60.8
	5	59.9	60.1	60.3	60.8	60.8	60.8	60.7	60.5	60.2	60.2	60.0	60.0
	6	59.1	59.6	60.0	60.3	60.4	60.6	60.5	60.4	60.2	60.1	59.9	59.8
	7	59.4	59.7	60.2	60.7	61.0	61.1	61.1	61.0	60.8	60.6	60.3	60.2
	8	59.7	60.2	60.5	60.9	61.2	61.2	61.1	61.0	60.9	60.7	60.4	60.4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	59.6	60.1	60.8	61.2	61.5	61.5	61.7	61.5	61.3	61.1	61.0	60.9
	11	60.2	60.7	61.2	61.5	61.8	61.9	62.0	61.9	61.7	61.7	61.3	61.2
	12	60.4	61.1	61.4	62.0	62.5	62.8	62.9	62.8	62.4	62.1	61.7	61.3
	13	60.7	61.2	61.6	62.3	62.7	63.1	63.2	63.0	62.8	62.4	62.2	62.0
	14	61.0	61.6	61.9	62.1	62.8	63.0	63.3	63.3	63.0	62.9	62.5	62.3
	15	61.9	62.4	62.9	63.3	63.3	63.3	63.1	63.0	62.7	62.4	62.2	62.1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	60.7	61.0	61.4	61.9	61.9	61.8	61.8	61.6	61.3	61.1	61.1	60.9
	18	60.7	61.2	61.6	62.1	62.4	62.8	63.0	62.9	62.5	62.2	61.8	61.6
	19	60.7	61.3	62.0	62.7	63.3	63.5	63.6	63.3	63.0	62.5	62.0	62.0
	20	61.5	61.5	61.7	61.8	61.6	61.6	61.7	61.7	61.6	61.6	61.6	61.2
	21	59.3	59.7	59.9	60.3	60.4	60.5	60.4	60.3	60.0	59.9	59.7	59.4
	22	58.7	58.9	59.3	60.0	60.4	60.8	60.4	60.4	60.1	60.0	59.7	59.6
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	59.2	59.3	60.0	60.7	61.3	61.5	61.5	61.3	61.0	60.8	60.4	60.2
	25	59.9	59.9	60.0	60.2	60.6	60.8	60.8	60.9	60.9	60.9	60.9	60.7
	26	59.8	60.0	60.7	60.9	61.2	61.4	61.4	61.2	61.1	60.9	60.8	60.6
	27	60.2	60.7	61.3	61.6	61.9	62.4	62.3	62.2	61.8	61.6	61.4	61.3
	28	60.7	61.2	61.9	62.3	62.8	63.2	63.3	63.2	62.9	62.5	62.0	61.8
	29	61.3	61.8	62.1	62.8	62.8	62.8	62.7	62.3	62.2	61.8	61.6	61.3
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	60.26	60.65	61.05	61.46	61.76	61.93	61.93	61.82	61.59	61.38	61.13	60.96	

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
47.7	48.7	48.6	48.6	48.2	48.2	47.9	47.9	47.8	47.8	47.8	47.8	48.16
47.9	47.9	47.9	47.9	47.6	47.6	47.5	47.5	47.4	47.4	48.1	47.1	48.08
47.8	47.8	47.6	47.6	47.6	47.3	47.1	47.1	47.1	46.9	44.4	44.4	47.28
46.4	46.4	46.2	46.2	46.0	46.3	46.3	46.3	46.0	46.0	45.9	45.9	45.71
45.8	45.7	45.8	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.50
45.8	45.8	45.6	45.6	45.6	45.6	45.5	46.0	45.4	45.5	45.7	45.7	45.76
—	—	—	—	—	—	—	—	—	—	—	—	—
45.3	44.5	44.6	44.8	44.7	45.7	45.7	45.5	45.5	45.3	45.3	45.6	45.69
46.5	46.5	46.2	46.2	46.2	46.1	45.9	45.9	45.9	45.9	46.1	46.1	46.43
47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.2	46.2	46.1	46.6	47.07
47.0	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.0	46.0	45.9	46.4	46.98
49.9	49.5	49.4	49.1	49.0	49.0	49.0	49.0	49.0	48.7	48.9	47.9	48.82
50.3	50.1	50.1	49.8	49.6	49.7	49.9	49.3	48.7	48.8	48.9	48.5	49.59
—	—	—	—	—	—	—	—	—	—	—	—	—
48.8	48.5	48.3	48.5	47.7	47.7	47.3	47.3	47.3	47.3	47.6	47.5	48.56
47.5	47.3	46.8	47.1	46.8	46.8	46.8	46.9	46.9	47.0	47.2	47.2	47.35
47.8	47.8	47.5	47.4	47.4	47.2	47.2	47.2	47.2	47.1	47.9	48.0	47.75
48.9	48.3	48.0	48.2	48.2	48.0	45.9	45.9	46.0	46.2	46.5	46.6	48.04
47.3	47.1	46.8	46.8	46.4	46.4	46.1	46.1	46.0	46.0	42.4	42.7	45.98
42.9	42.9	42.9	42.9	42.5	42.5	42.5	42.4	42.5	42.5	42.5	43.0	42.95
—	—	—	—	—	—	—	—	—	—	—	—	—
43.3	42.8	42.8	42.8	42.7	42.8	42.6	42.6	42.6	42.6	42.5	42.8	43.11
43.3	43.3	43.3	43.3	43.2	43.2	43.2	43.2	43.2	43.1	43.1	43.0	43.70
43.7	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.1	43.5	43.41
43.9	43.8	43.8	43.8	43.5	43.5	43.5	43.6	43.6	43.4	43.1	43.0	43.78
44.5	44.5	44.5	44.5	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.6	44.80
44.6	44.5	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.4	44.6	44.4	45.03
—	—	—	—	—	—	—	—	—	—	—	—	—
44.7	42.8	42.7	42.7	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.8	44.33
46.36	46.16	46.05	46.05	45.91	45.97	45.82	45.81	45.67	45.63	45.50	45.51	46.15
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
60.9	61.5	61.4	61.1	60.7	60.4	60.0	59.9	59.8	59.8	60.1	60.7	60.91
61.1	60.8	60.6	60.5	60.3	60.2	60.1	60.1	60.1	60.0	60.0	60.1	61.17
60.7	60.5	60.3	60.2	60.2	60.0	60.0	59.8	59.7	59.5	59.5	59.7	60.52
59.9	59.7	59.6	59.6	59.5	59.4	59.3	59.2	59.1	59.1	59.0	59.0	59.86
59.8	59.7	59.6	59.5	59.4	59.4	59.4	59.3	59.3	59.3	59.1	59.2	59.75
60.1	59.9	59.7	59.7	59.8	59.8	59.7	59.6	59.5	59.4	59.4	59.5	60.09
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	59.1	59.0	59.0	58.9	58.9	59.0	59.0	58.9	58.9	59.0	59.2	59.89
60.8	60.5	60.4	60.3	60.2	60.0	60.0	59.9	59.9	59.8	59.8	60.0	60.58
61.0	60.8	60.7	60.4	60.2	60.2	60.2	60.2	60.1	60.0	59.9	60.0	60.87
61.1	60.9	60.8	60.7	60.7	60.6	60.4	60.3	60.1	60.1	60.2	60.3	61.23
61.7	61.5	61.4	61.2	61.1	61.0	60.9	60.7	60.6	60.5	60.4	60.7	61.62
62.2	62.0	61.9	61.9	61.8	61.8	61.7	61.7	61.5	61.5	61.3	61.6	62.11
—	—	—	—	—	—	—	—	—	—	—	—	—
61.9	61.3	61.2	61.1	60.9	60.7	60.6	60.4	60.3	60.3	60.3	60.4	61.75
60.7	60.4	60.3	60.1	60.0	59.8	59.7	59.7	59.7	59.7	59.8	60.2	60.69
61.4	61.2	61.1	60.9	60.7	60.7	60.6	60.4	60.3	60.2	60.3	60.4	61.37
62.0	62.1	62.0	61.8	61.8	61.7	61.6	61.6	61.5	61.4	61.6	61.6	62.11
60.9	60.6	60.4	60.2	60.0	59.8	59.6	59.4	59.4	59.2	59.2	59.2	60.71
59.2	59.1	59.0	58.9	58.7	58.7	58.7	58.6	58.5	58.3	58.3	58.6	59.35
—	—	—	—	—	—	—	—	—	—	—	—	—
59.5	59.3	59.2	59.2	59.0	59.0	58.9	58.8	58.8	58.9	58.8	58.9	59.44
60.2	60.0	60.0	60.0	60.0	59.9	59.9	59.9	59.8	59.7	59.7	59.8	60.25
60.3	60.2	60.0	59.9	59.8	59.7	59.7	59.7	59.5	59.4	59.4	59.4	60.15
60.4	60.3	60.2	60.0	59.8	59.8	59.7	59.7	59.7	59.7	59.8	60.0	60.38
61.1	60.9	60.7	60.5	60.4	60.3	60.2	60.1	60.0	60.0	59.9	60.0	60.95
61.7	61.5	61.4	61.3	61.3	61.2	61.2	61.1	61.1	60.8	60.8	61.0	61.80
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	59.9	59.9	59.8	59.7	59.6	59.5	59.4	59.4	59.4	59.5	59.8	60.86
60.76	60.55	60.43	60.31	60.19	60.10	60.02	59.94	59.86	59.79	59.80	59.97	60.74

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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	—	—	—	—	—	—	—	—	—	—	—	
	2	—	50.0	49.9	49.9	49.2	50.3	49.2	48.3	47.9	47.8	47.4	
	3	46.4	46.4	46.4	46.4	46.5	46.6	46.6	47.2	46.6	46.3	46.2	
	4	45.7	45.9	45.9	45.9	46.8	46.5	46.4	46.6	46.6	46.0	46.5	46.5
	5	44.8	45.1	45.5	45.2	45.2	45.5	45.5	45.5	45.5	45.4	45.4	45.1
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	42.6	42.8	43.0	43.9	43.9	43.9	44.3	44.8	44.8	44.8	44.3	44.0
	8	40.9	40.9	42.1	43.0	43.7	44.0	44.0	44.0	43.5	43.4	43.1	43.0
	9	42.5	42.8	43.0	43.6	44.2	44.2	44.1	43.3	43.1	42.9	42.9	41.8
	10	42.0	39.1	39.1	39.5	39.5	39.3	39.4	39.2	39.2	38.7	38.7	38.7
	11	37.2	37.2	37.7	38.1	38.1	38.1	38.1	38.4	38.4	38.3	37.9	37.9
	12	36.8	36.8	36.7	37.3	37.9	36.9	38.2	38.2	38.2	38.1	37.8	37.4
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	36.1	35.8	35.7	36.0	35.9	35.9	35.9	36.8	36.8	36.8	36.7	36.6
	15	35.6	35.7	35.8	36.3	36.4	36.7	36.7	36.9	36.9	36.9	36.9	36.7
	16	36.9	36.5	37.0	37.0	37.4	37.3	37.2	37.2	37.2	37.2	37.2	36.5
	17	35.9	36.0	35.9	36.2	36.8	37.1	37.0	37.0	36.8	36.8	36.8	36.4
	18	35.4	35.4	35.4	35.4	35.8	36.1	36.6	36.8	36.8	36.7	36.7	36.6
	19	36.3	37.5	37.7	37.6	38.1	38.1	38.1	38.1	39.7	39.6	39.6	39.0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	38.2	38.5	39.1	39.9	39.9	41.0	40.7	40.7	40.6	40.1	40.0	39.5
	22	41.9	42.4	43.2	43.9	44.4	45.0	45.0	45.0	45.0	45.0	43.4	43.1
	23	42.7	43.4	44.2	45.4	45.8	45.9	45.9	45.3	44.9	44.5	44.1	44.0
	24	42.3	42.6	43.0	43.7	44.3	44.3	44.3	44.3	44.3	44.3	43.6	43.1
	25	41.2	41.9	42.9	43.6	43.8	43.8	44.0	44.3	43.8	43.6	43.3	43.1
	26	42.4	42.8	44.3	44.4	44.7	44.7	44.7	43.8	43.8	45.4	42.8	42.3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	39.9	39.9	39.9	39.9	39.9	40.2	40.6	40.6	40.6	40.6	40.6	40.4
	29	38.6	38.9	39.7	40.2	40.4	40.4	40.5	41.0	41.0	42.7	42.1	42.0
	30	41.4	41.7	41.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.0
	31	40.4	39.9	40.0	40.1	40.4	40.6	40.7	41.1	41.2	41.2	40.7	40.6
Hourly Means	40.16	40.61	40.96	41.36	41.57	41.71	41.77	41.79	41.72	41.71	41.38	41.13	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
AUGUST.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	60.2	62.2	62.8	63.5	64.1	64.8	64.0	63.9	63.8	63.4	63.0	
	3	61.7	62.2	62.7	62.9	63.6	63.9	63.9	63.8	63.7	63.3	63.0	
	4	61.9	62.8	62.7	63.1	63.2	63.4	63.4	63.3	63.0	62.9	62.7	
	5	62.0	62.8	63.5	63.8	64.3	64.5	64.5	64.3	64.0	63.6	63.2	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	60.9	61.4	62.3	63.0	63.7	64.2	64.3	64.1	63.7	63.3	63.2	
	8	61.0	61.3	61.7	62.2	62.7	63.0	63.2	63.1	62.8	62.5	62.2	
	9	61.0	61.0	61.5	62.0	62.4	62.7	62.8	62.5	62.1	61.8	61.4	
	10	60.6	60.9	61.3	61.6	61.7	61.7	61.5	61.3	61.3	61.1	61.0	
	11	59.7	59.8	60.3	60.5	60.8	61.0	61.0	60.9	60.6	60.3	60.1	
	12	59.2	59.5	59.7	59.9	60.6	60.6	60.4	60.2	60.0	59.6	59.4	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	57.8	58.1	58.4	58.8	59.2	59.4	59.4	59.1	58.9	58.8	58.7	
	15	57.5	57.8	58.2	58.5	59.1	59.2	59.3	59.0	59.0	58.8	58.3	
	16	57.1	58.4	58.5	58.5	58.8	58.9	58.9	58.9	58.7	58.6	58.4	
	17	58.1	58.4	58.8	58.9	58.9	59.1	59.0	58.9	58.8	58.7	58.8	
	18	58.3	58.6	58.9	59.1	59.2	59.4	59.7	59.4	59.2	59.0	59.0	
	19	58.7	59.2	59.7	60.3	60.9	61.1	61.3	61.3	61.0	60.8	60.3	
	20	—	—	—	—	—	—	—	—	—	—	—	
	21	59.7	60.4	61.3	62.1	62.7	63.3	63.4	63.3	63.1	62.7	62.3	
	22	60.7	61.5	62.3	63.4	63.7	64.2	64.4	64.3	64.1	63.7	63.4	
	23	61.8	62.7	63.6	64.6	64.9	65.3	65.4	65.1	64.8	64.3	63.8	
	24	61.8	62.3	62.7	63.1	63.5	63.8	63.9	63.8	63.3	63.0	62.7	
	25	60.8	61.5	62.1	62.8	62.9	63.0	63.0	63.0	62.8	62.4	62.3	
	26	61.8	62.4	63.0	63.4	63.9	64.0	64.0	63.9	63.7	63.3	62.9	
	27	—	—	—	—	—	—	—	—	—	—	—	
	28	60.2	60.6	60.8	61.2	61.3	61.3	61.3	61.2	61.0	60.8	60.4	
	29	59.7	59.9	60.3	60.7	61.2	61.4	61.6	61.5	61.4	61.1	60.9	
	30	59.9	60.3	60.6	61.0	61.2	61.2	61.1	60.9	60.7	60.3	60.2	
	31	59.0	59.5	59.8	60.2	60.7	60.9	60.8	60.7	60.4	60.2	60.0	
Hourly Means	60.04	60.57	61.06	61.50	61.89	62.12	62.14	61.99	61.77	61.47	61.22		

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
46.7	46.3	46.3	46.1	46.0	45.3	45.2	44.7	45.0	44.9	45.9	46.1	47.19
46.3	46.0	46.0	45.6	45.7	45.5	45.4	45.1	45.0	45.0	45.0	45.0	45.98
45.7	45.5	45.4	45.2	45.2	45.1	45.1	43.8	43.8	43.8	44.2	44.2	45.54
44.7	43.1	43.1	42.9	43.4	43.3	43.0	42.6	42.6	42.2	42.2	42.2	44.10
43.7	43.7	43.3	43.3	42.8	42.8	42.8	42.8	41.6	41.5	41.4	41.2	43.21
42.6	42.6	42.6	42.6	42.5	42.3	42.3	42.1	42.1	42.1	42.5	42.5	42.68
41.8	41.8	41.8	41.8	41.4	41.2	41.2	41.2	41.4	41.4	41.4	41.7	42.35
38.7	38.3	38.3	38.3	37.9	38.1	38.0	38.0	37.9	37.6	37.6	37.6	38.70
37.9	37.9	37.9	37.9	37.9	37.8	37.8	37.6	37.6	37.2	37.2	37.0	37.80
37.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	37.04
36.6	36.4	36.4	36.4	36.4	36.4	36.4	36.1	36.1	36.1	35.9	35.8	36.25
36.6	36.5	36.5	36.5	36.5	36.4	36.4	36.4	36.4	36.6	36.6	36.6	36.48
36.5	36.5	36.5	36.5	36.3	36.3	36.2	36.1	36.1	36.1	36.1	35.9	36.65
36.4	36.4	36.1	36.1	36.0	36.0	35.7	35.7	35.8	35.7	35.6	35.6	36.24
36.6	36.6	36.5	36.2	36.1	35.9	35.9	35.9	35.9	35.8	35.8	36.3	36.13
39.0	38.5	38.2	37.9	37.6	37.6	37.6	37.6	37.5	37.5	37.7	38.2	38.10
39.5	39.4	39.3	39.1	38.9	38.8	38.5	38.5	37.9	37.8	37.7	36.4	39.17
42.6	42.4	42.2	42.2	42.3	42.3	42.1	42.1	41.5	41.5	41.8	42.2	43.02
43.8	43.6	43.4	43.2	42.8	42.6	42.3	42.4	42.4	42.2	42.2	42.4	43.73
43.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.2	42.2	41.2	41.4	43.00
43.2	42.8	42.8	42.8	42.7	42.7	42.5	42.6	42.3	42.0	42.0	42.5	42.93
41.9	41.2	41.1	41.1	41.2	40.9	40.8	40.7	40.8	40.6	40.4	40.4	42.38
40.4	40.4	40.2	40.2	40.1	40.1	40.1	40.1	40.0	39.7	39.5	39.2	40.13
42.0	41.6	41.6	41.5	41.5	41.5	41.5	41.5	41.5	41.4	41.4	41.4	41.08
41.7	41.7	41.4	41.3	40.8	40.8	40.8	40.8	40.8	40.8	41.2	40.2	41.50
40.3	40.2	40.2	40.1	40.3	40.1	39.8	39.9	39.9	39.9	39.9	40.6	40.34
40.99	40.71	40.62	40.53	40.44	40.35	40.25	40.13	40.02	39.93	39.96	39.97	40.82

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
62.6	62.3	62.1	62.0	62.0	61.9	61.8	61.7	61.4	61.3	61.4	61.6	62.52
62.6	62.3	62.3	62.1	62.0	61.9	61.8	61.7	61.6	61.6	61.6	61.7	62.53
62.4	62.3	62.3	62.2	61.9	61.8	61.7	61.7	61.6	61.5	61.4	61.5	62.34
62.7	61.1	61.0	60.7	60.4	60.3	60.2	60.1	60.0	59.9	60.0	60.3	62.09
62.6	62.2	62.0	61.9	61.5	61.3	61.2	61.2	61.1	60.8	60.8	60.8	62.27
61.8	61.5	61.3	61.2	61.0	60.8	60.7	60.6	60.4	60.3	60.5	60.7	61.60
61.0	60.9	60.7	60.7	60.4	60.4	60.4	60.2	60.2	60.2	60.3	60.5	61.18
60.6	60.4	60.2	60.0	59.9	59.8	59.8	59.7	59.6	59.6	59.7	59.7	60.60
59.7	59.7	59.6	59.5	59.3	59.2	59.1	59.0	58.9	58.7	58.7	58.8	59.79
59.0	58.0	57.9	57.9	57.7	57.7	57.5	57.4	57.3	57.2	57.3	57.7	58.79
58.2	58.1	58.1	58.0	57.8	57.7	57.7	57.7	57.7	57.7	57.5	57.4	58.27
58.2	58.1	58.0	57.9	57.9	57.8	57.7	57.7	57.6	57.6	57.6	57.7	58.20
58.4	58.2	58.2	58.2	58.1	58.1	58.0	58.0	57.9	57.9	57.9	58.0	58.29
58.4	58.4	58.2	58.2	58.0	57.9	57.9	57.8	57.8	57.8	57.8	58.0	58.38
58.8	58.7	58.6	58.4	58.2	58.2	58.0	57.9	57.9	57.9	58.1	58.3	58.65
59.7	60.2	60.0	59.5	59.2	59.1	59.1	59.0	58.9	58.9	58.9	59.3	59.85
61.8	61.6	61.4	61.2	61.1	60.8	60.3	60.1	59.8	59.8	59.8	60.0	61.42
62.7	62.3	62.1	61.9	61.7	61.4	61.2	61.1	60.8	60.7	60.8	61.3	62.36
63.1	62.8	62.5	62.2	61.9	61.7	61.5	61.4	61.2	61.1	61.3	61.4	62.99
62.1	61.9	61.9	61.5	61.4	61.2	61.1	61.0	60.9	60.8	60.5	60.7	62.14
62.0	61.8	61.8	61.7	61.4	61.3	61.2	61.2	61.2	60.9	60.9	61.2	61.89
62.4	61.2	61.1	60.9	60.7	60.4	60.2	60.0	59.9	59.8	59.8	59.9	61.89
60.2	60.2	60.2	60.1	60.0	59.9	59.9	59.8	59.7	59.6	59.5	59.5	60.37
60.3	60.2	60.0	60.0	60.0	59.9	59.7	59.5	59.4	59.4	59.4	59.6	60.32
59.9	59.8	59.6	59.5	59.3	59.2	59.1	59.1	59.1	59.0	58.7	58.8	59.94
59.5	59.3	59.2	59.0	58.9	58.6	58.6	58.3	58.3	58.4	58.4	58.5	59.45
60.79	60.52	60.39	60.25	60.07	59.93	59.82	59.73	59.62	59.55	59.56	59.73	60.70

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
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	40.8	40.9	40.9	40.8	40.6	40.4	40.4	40.4	40.4	40.6	40.7	40.5
	2	41.0	41.0	41.0	41.4	41.3	41.2	41.2	41.2	41.2	41.2	41.1	41.1
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	40.0	40.4	40.1	40.1	40.6	40.7	40.7	40.7	40.6	40.5	40.4	40.3
	5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.9	40.9	40.7	40.7
	6	39.8	40.0	40.9	41.0	41.0	41.0	40.6	40.7	40.7	40.5	40.1	40.0
	7	39.8	40.3	40.3	40.4	40.4	40.7	40.7	40.7	40.3	40.3	40.3	40.3
	8	40.7	41.0	41.4	41.6	41.8	41.9	41.6	41.4	40.8	40.8	40.1	40.3
	9	40.7	40.9	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.3	40.9	40.8
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	40.0	40.0	40.0	40.4	40.5	40.7	40.7	40.7	40.7	40.8	40.8	40.7
	12	41.0	41.7	42.0	42.4	42.0	41.9	41.8	41.8	41.8	41.6	41.1	41.1
	13	41.5	42.2	42.6	43.2	43.9	44.0	44.1	44.1	43.5	43.0	42.5	42.3
	14	39.5	39.5	40.3	41.0	41.0	41.5	41.5	42.0	41.4	41.4	40.9	40.9
	15	40.3	40.3	40.6	41.1	41.1	41.6	41.6	41.2	40.7	40.7	39.9	40.2
	16	39.9	39.6	40.6	40.8	41.5	41.7	42.1	42.1	42.1	41.8	41.3	41.3
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	40.5	41.4	42.3	42.6	42.4	42.3	42.0	42.0	41.6	41.3	41.0	40.1
	19	40.5	40.8	41.0	41.6	41.6	41.3	40.6	40.6	40.4	40.3	40.3	40.2
	20	40.8	42.0	42.4	42.6	42.5	41.9	41.9	41.2	40.1	40.1	40.1	40.1
	21	40.0	40.3	40.8	41.2	41.1	41.1	40.7	40.6	40.9	40.8	40.3	40.2
	22	40.2	40.2	40.4	40.9	40.8	40.9	40.8	40.7	40.3	39.9	39.9	39.8
	23	39.3	39.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	39.9	39.6	39.6
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	38.2	38.0	38.3	39.1	39.1	39.4	39.5	39.5	39.5	39.4	38.9	38.9
	26	37.7	37.1	37.1	37.1	37.7	37.7	37.7	39.1	39.2	39.1	38.8	38.8
	27	37.8	37.8	38.1	38.3	38.6	38.6	38.7	38.7	38.6	38.4	38.1	38.1
	28	37.6	37.6	37.3	37.2	37.1	37.6	37.6	37.9	37.9	37.9	37.3	37.3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	39.92	40.13	40.44	40.73	40.80	40.86	40.80	40.83	40.65	40.52	40.21	40.15	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
SEPTEMBER.	°	°	°	°	°	°	°	°	°	°	°	°	
	1	58.8	59.2	59.3	59.4	59.5	59.6	59.6	59.5	59.5	59.6	59.4	59.3
	2	58.7	58.9	59.3	59.7	60.3	60.5	60.5	60.3	60.2	59.9	59.7	59.4
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	58.4	58.9	59.3	59.6	59.7	59.9	60.0	59.9	59.9	59.7	59.4	59.3
	5	58.7	58.8	59.0	59.3	59.3	59.4	59.4	59.2	59.2	59.1	59.0	58.8
	6	58.0	58.4	58.7	59.0	59.3	59.4	59.4	59.2	59.1	59.0	58.7	58.6
	7	58.0	58.4	58.6	59.0	59.2	59.4	59.6	59.5	59.3	59.1	59.0	58.9
	8	58.7	59.2	59.8	60.3	60.4	60.7	60.7	60.4	60.2	59.9	59.9	59.7
	9	59.3	59.8	60.3	61.0	61.5	61.6	61.6	61.5	61.2	60.9	60.6	60.3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	59.7	60.3	60.5	60.8	61.4	61.5	61.6	61.5	61.4	61.1	60.7	60.4
	12	59.9	60.6	61.1	61.3	61.5	61.6	61.6	61.6	61.5	61.2	61.0	60.9
	13	60.9	61.4	61.9	62.5	63.2	63.8	64.1	64.0	63.7	63.2	63.0	62.7
	14	61.8	62.2	62.7	63.3	63.9	64.3	64.3	64.3	63.9	63.6	63.4	63.0
	15	61.4	61.8	62.3	62.8	62.9	63.1	63.2	62.9	62.7	62.4	62.2	62.1
	16	61.8	62.7	63.5	64.1	64.5	64.7	64.9	64.6	64.3	64.0	63.5	63.2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	62.1	62.7	63.1	63.6	63.9	64.2	64.2	63.9	63.5	63.2	62.8	62.6
	19	61.7	62.0	62.4	62.8	63.1	63.3	63.1	62.8	62.6	62.3	62.2	62.1
	20	61.3	61.8	62.0	62.4	62.7	62.7	62.7	62.4	62.3	62.2	62.0	62.0
	21	61.6	62.0	62.7	62.9	63.2	63.2	63.2	62.8	62.8	62.7	62.2	62.1
	22	60.8	61.2	61.6	61.8	61.9	62.0	61.8	61.7	61.7	61.4	61.4	61.2
	23	60.2	60.6	60.7	60.9	60.9	61.1	61.0	60.9	60.8	60.6	60.5	60.4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	59.5	59.9	60.4	60.7	60.8	61.2	61.3	61.0	60.9	60.9	60.4	60.1
	26	59.4	59.7	60.0	60.4	60.8	60.9	60.9	60.8	60.7	60.3	60.0	59.9
	27	59.0	59.4	59.7	60.0	60.1	60.1	59.8	59.7	59.5	59.2	59.2	59.1
	28	58.6	58.8	59.2	59.4	59.6	59.7	59.7	59.6	59.4	59.2	59.0	59.0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	59.93	60.36	60.75	61.12	61.40	61.58	61.59	61.42	61.26	61.03	60.80	60.63	

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
40.5	40.4	40.4	40.5	40.5	40.5	40.4	40.1	40.1	40.1	40.1	40.1	40.46
41.1	40.4	40.4	40.3	40.0	40.0	39.9	40.0	40.0	38.7	39.5	39.8	40.58
40.3	40.3	40.1	40.0	39.9	39.9	39.9	39.9	40.2	39.7	40.1	40.5	40.25
40.7	40.3	40.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.36
40.0	39.8	39.6	39.6	39.8	39.8	39.8	39.7	39.7	39.3	39.6	39.5	40.10
40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.34
40.5	40.5	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.4	40.6	40.73
40.7	40.2	40.4	40.4	40.4	40.3	40.3	40.3	40.3	40.0	39.9	39.9	40.86
40.7	40.4	40.6	40.6	40.3	40.3	40.3	40.3	40.3	39.7	40.3	40.8	40.44
41.1	40.8	40.8	40.8	40.8	41.1	41.1	41.1	40.6	40.7	41.0	41.4	41.31
42.1	42.1	41.9	41.6	41.6	41.7	41.7	41.7	41.4	41.4	41.4	39.8	42.30
40.5	40.5	40.1	40.0	40.2	40.1	39.9	39.8	39.8	39.8	40.3	40.1	40.50
40.0	39.7	38.9	39.5	39.4	39.4	39.4	39.4	39.1	39.1	39.2	39.7	40.09
40.8	40.8	40.6	40.2	40.5	40.5	40.3	40.2	39.8	39.8	40.3	40.5	40.80
40.1	39.7	39.7	39.7	39.8	39.8	40.0	40.0	39.8	39.8	39.8	40.5	40.76
40.2	40.2	40.2	40.1	40.0	40.0	39.9	39.8	39.6	39.6	40.0	40.3	40.38
40.1	40.4	40.4	40.3	40.2	40.2	40.1	39.9	39.9	39.9	39.6	39.6	40.68
40.0	39.8	39.7	39.8	39.8	39.8	39.8	39.8	39.4	39.3	40.0	40.2	40.23
39.8	39.8	39.8	39.8	39.5	39.7	39.5	39.5	39.5	39.0	38.9	39.1	39.95
39.6	39.1	38.9	38.9	38.9	38.9	38.8	38.8	38.8	38.5	38.4	38.1	39.38
38.7	38.6	38.6	38.4	38.5	38.5	38.5	38.6	38.6	38.1	37.8	37.8	38.69
38.4	38.4	38.4	38.4	38.4	38.4	38.7	38.7	38.6	38.6	38.2	37.9	38.27
38.1	37.9	37.9	37.9	37.5	37.5	37.6	37.6	38.0	38.0	38.0	38.0	38.08
37.3	37.3	37.3	37.3	37.8	37.5	37.4	37.4	37.4	37.9	42.0	42.7	37.90
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
40.07	39.90	39.81	39.78	39.76	39.78	39.75	39.71	39.65	39.48	39.80	39.89	40.14

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
59.2	59.0	58.9	58.7	58.7	58.6	58.5	58.4	58.2	58.2	58.3	58.3	58.99
59.4	58.5	58.4	58.4	58.3	58.3	58.2	58.0	58.0	57.9	57.9	58.0	59.03
59.2	59.1	59.1	59.0	58.7	58.7	58.6	58.5	58.4	58.3	58.4	58.5	59.10
58.7	58.6	58.5	58.5	58.2	58.2	58.2	58.2	58.2	58.2	57.9	57.9	58.69
58.4	58.2	58.1	58.1	58.1	58.1	58.1	58.0	57.9	57.8	57.7	57.8	58.46
58.7	58.5	58.4	58.3	58.2	58.2	58.0	57.9	57.8	57.7	57.9	58.2	58.58
59.4	59.2	59.0	58.9	58.7	58.7	58.7	58.6	58.5	58.4	58.6	58.9	59.40
60.2	60.2	60.1	59.9	59.8	59.8	59.7	59.5	59.4	59.3	59.3	59.4	60.26
60.2	60.1	60.1	60.0	59.9	59.8	59.7	59.6	59.5	59.4	59.4	59.5	60.34
60.8	60.7	60.6	60.4	60.3	60.3	60.3	60.2	60.1	60.0	60.1	60.4	60.75
62.5	62.3	62.2	62.1	61.9	61.7	61.5	61.4	61.3	61.2	61.3	61.5	62.30
62.6	62.4	62.1	61.9	61.8	61.7	61.6	61.4	61.3	61.2	61.2	61.3	62.55
61.9	61.7	61.6	61.5	61.3	61.2	61.2	61.2	61.1	61.0	61.0	61.4	61.91
62.9	62.4	62.2	62.0	62.0	61.8	61.7	61.5	61.3	61.3	61.4	61.7	62.83
62.3	62.2	62.1	61.8	61.7	61.6	61.5	61.4	61.3	61.3	61.2	61.3	62.48
61.9	61.8	61.7	61.4	61.2	61.2	61.0	60.9	60.8	60.8	60.9	61.0	61.88
62.0	61.9	61.9	61.8	61.5	61.4	61.2	61.2	61.1	61.1	61.0	61.2	61.83
61.9	61.6	61.4	61.3	61.2	61.1	60.9	60.8	60.7	60.6	60.6	60.6	61.84
61.0	60.9	60.8	60.5	60.3	60.2	60.1	60.0	59.9	59.8	59.9	60.0	60.91
60.3	59.8	59.8	59.7	59.6	59.5	59.3	59.2	59.2	59.0	59.0	59.2	60.09
60.0	59.8	59.7	59.5	59.4	59.4	59.4	59.2	59.2	59.1	59.1	59.2	60.00
59.8	59.7	59.6	59.5	59.3	59.2	59.2	59.1	59.0	58.9	59.0	59.0	59.80
59.0	58.9	58.9	58.8	58.6	58.5	58.3	58.3	58.2	58.2	58.3	58.4	59.05
58.9	58.9	58.8	58.6	58.6	58.5	58.3	58.2	58.2	58.1	58.2	58.4	58.87
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
60.47	60.27	60.17	60.02	59.89	59.82	59.72	59.61	59.52	59.45	59.48	59.63	60.41

VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen } Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	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 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	
	2	50.4	50.1	49.9	50.7	51.5	51.6	51.6	51.6	51.5	51.5	52.1	52.2
	3	51.6	52.1	53.0	52.6	52.5	52.3	52.3	52.4	52.1	51.9	52.0	52.0
	4	50.6	51.4	51.4	51.8	52.2	52.2	52.0	52.0	52.0	52.0	52.4	52.2
	5	51.5	52.0	52.9	53.6	53.7	53.2	53.2	53.0	52.7	52.5	52.5	52.5
	6	52.5	52.7	52.4	53.1	53.4	53.4	53.3	53.4	52.6	52.5	52.3	52.7
	7	50.6	50.7	51.3	51.9	52.4	52.4	52.8	52.8	52.8	52.8	52.5	52.5
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	50.1	50.2	51.2	52.3	52.8	53.3	53.1	52.8	52.8	52.3	52.5	52.3
	10	50.3	50.5	50.8	51.2	51.4	51.7	51.7	52.6	52.3	51.9	51.7	51.5
	11	51.1	51.3	51.3	51.2	50.9	51.0	51.5	51.8	51.8	51.5	51.8	51.8
	12	51.9	52.2	52.8	53.9	54.1	54.5	54.5	54.6	54.9	52.7	48.3	48.3
	13	49.0	44.3	46.4	46.8	47.3	47.5	47.8	47.8	47.8	47.3	47.3	46.4
	14	42.6	46.0	46.3	46.3	46.6	46.4	46.4	46.3	46.3	46.2	42.8	41.7
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	42.5	42.6	41.4	41.7	42.1	42.1	42.4	42.9	42.7	42.4	41.8	41.9
	17	42.3	42.7	43.0	43.3	43.5	43.8	43.8	43.8	43.8	43.2	42.8	42.7
	18	41.8	41.9	41.9	42.5	42.7	43.0	43.0	43.0	42.7	42.6	42.0	42.2
	19	41.6	42.5	42.9	42.8	43.2	43.2	43.2	43.1	43.2	42.8	42.5	42.5
	20	49.6	49.6	49.9	50.6	51.1	51.1	51.1	50.5	50.5	50.5	50.4	50.5
	21	49.3	49.8	50.1	50.3	50.4	50.4	50.4	50.2	50.2	49.8	49.8	55.2
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	50.8	50.8	50.9	51.2	51.0	51.4	51.4	51.4	51.2	51.3	50.2	50.2
	24	50.3	50.5	50.3	50.5	50.7	50.7	50.8	51.0	51.0	50.8	50.8	50.8
	25	51.3	51.3	51.4	51.4	51.6	51.6	51.6	51.3	51.3	50.7	50.8	50.8
	26	50.7	50.7	51.1	51.2	51.1	51.1	50.8	50.8	50.9	50.7	50.9	50.5
	27	50.4	50.8	50.6	50.6	50.8	51.1	51.1	51.1	50.7	50.6	50.5	50.4
	28	49.8	50.2	50.2	50.6	51.3	50.8	50.7	50.2	50.5	50.2	50.4	50.0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	48.86	49.04	49.31	49.67	49.93	49.99	50.02	50.03	49.93	49.63	49.21	49.33	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
OCTOBER.	1 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	
	2	58.7	58.9	59.3	59.7	60.3	60.6	60.6	60.5	60.2	60.0	59.8	59.6
	3	58.8	59.2	59.6	59.9	59.9	60.0	60.0	59.9	59.7	59.5	59.4	59.2
	4	58.7	59.0	59.3	59.6	60.0	60.1	60.1	60.0	59.9	59.7	59.4	59.2
	5	59.1	59.7	60.2	60.7	60.8	60.8	60.8	60.7	60.3	60.0	60.0	59.8
	6	59.2	59.7	60.2	60.7	60.9	61.0	61.2	61.0	60.8	60.5	60.2	60.2
	7	59.6	59.9	60.4	60.6	60.8	60.8	60.8	60.8	60.5	60.2	60.2	60.0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	59.4	59.9	60.5	60.9	61.3	61.3	61.2	60.9	60.7	60.4	60.2	60.1
	10	59.3	59.4	59.7	59.9	60.4	60.4	60.4	60.3	60.0	59.9	59.7	59.6
	11	59.4	59.7	60.1	60.3	60.4	60.5	60.6	60.5	60.3	60.1	59.9	59.8
	12	60.3	60.8	61.5	62.0	62.8	63.3	63.4	63.5	63.4	63.1	62.7	62.4
	13	61.3	62.0	62.6	63.3	63.7	64.0	63.8	63.7	63.3	62.9	62.7	62.3
	14	61.1	61.7	62.1	62.3	62.7	62.8	62.8	62.6	62.3	62.0	61.7	61.5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	60.6	60.8	61.3	61.7	62.2	62.3	62.4	62.3	62.1	61.9	61.5	61.4
	17	60.9	61.6	62.4	62.9	63.3	63.5	63.5	63.3	63.0	62.5	62.3	61.9
	18	60.6	61.0	61.4	62.0	62.2	62.5	62.5	62.2	61.9	61.6	61.4	61.4
	19	61.3	61.8	62.2	62.5	62.9	62.9	62.8	62.8	62.8	62.6	62.3	62.2
	20	60.9	61.2	61.4	62.0	62.4	62.4	62.3	62.1	61.8	61.5	61.3	61.2
	21	60.7	61.1	61.4	62.0	62.3	62.4	62.4	62.3	62.0	61.8	61.7	60.3
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	60.1	60.7	61.1	61.2	61.4	61.4	61.3	61.2	61.0	60.8	60.2	60.2
	24	60.4	60.8	61.1	61.3	61.3	61.4	61.4	61.3	61.3	61.0	60.7	60.6
	25	59.8	60.1	60.5	61.0	61.2	61.2	61.1	60.9	60.7	60.6	60.4	60.3
	26	59.9	60.3	60.8	61.1	61.5	61.6	61.4	61.2	61.0	60.8	60.5	60.4
	27	60.0	60.6	60.9	61.2	61.5	61.6	61.6	61.5	61.2	61.1	60.8	60.6
	28	60.3	60.7	61.1	61.3	61.9	61.9	61.7	61.5	61.3	61.0	60.7	60.5
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	60.02	60.44	60.88	61.25	61.59	61.69	61.67	61.54	61.31	61.06	60.82	60.61	

<sup>a</sup> Omitted in the means.

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
—	50.3	50.6	50.8	51.3	51.6	51.3	51.2	50.6	50.3	50.1	50.2	—
52.2	52.0	52.0	51.8	52.1	51.5	51.5	51.5	51.5	50.7	51.1	50.9	51.40
52.0	52.0	52.1	52.0	51.7	51.4	51.5	51.4	51.4	51.0	50.4	50.6	51.85
52.2	52.2	52.2	52.2	52.2	51.9	51.8	51.9	51.8	51.7	51.7	51.5	51.90
52.5	52.5	53.0	53.0	52.5	52.0	52.4	52.4	52.2	52.3	52.5	52.5	52.63
52.5	52.7	52.3	52.5	52.4	52.2	52.2	52.3	51.7	51.1	51.2	50.7	52.42
—	—	—	—	—	—	—	—	—	—	—	—	—
52.5	52.5	52.5	52.5	52.3	52.3	52.3	52.2	51.8	51.4	50.9	50.2	52.04
52.3	52.3	52.3	52.6	52.4	52.4	52.5	52.1	52.1	52.1	51.2	50.9	52.12
51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.6	51.7	51.1	51.61
51.8	51.7	52.0	52.0	52.0	51.7	51.7	51.7	51.8	51.6	51.9	51.9	51.62
48.1	47.8	47.8	47.6	47.6	47.6	47.2	48.6	48.3	48.0	48.6	48.3	50.34
46.1	46.0	45.8	45.7	45.4	45.6	45.5	45.5	45.2	45.0	42.6	42.6	46.11
—	—	—	—	—	—	—	—	—	—	—	—	—
41.7	41.6	41.6	41.6	41.4	41.5	41.4	41.2	41.6	41.5	41.9	41.8	43.45
42.1	42.1	42.0	41.9	41.9	41.7	41.5	41.6	41.3	41.3	42.0	42.1	41.70
42.6	42.6	42.6	42.5	42.5	42.1	42.1	41.9	41.9	41.4	41.3	41.5	42.65
42.4	41.6	41.5	41.6	41.7	41.7	41.7	41.6	41.6	41.6	41.6	41.6	42.06
42.4	42.4	42.4	42.4	42.2	42.2	41.8	42.2	42.2	47.7	47.8	48.9	43.25
50.4	50.3	50.3	50.3	50.0	50.2	49.8	49.8	49.0	49.0	48.9	49.0	50.10
—	—	—	—	—	—	—	—	—	—	—	—	—
50.6	50.9	50.8	50.8	50.8	50.8	50.6	50.5	50.5	50.5	50.7	50.8	50.62
50.0	50.0	50.0	50.2	50.5	50.5	50.3	50.3	50.1	50.0	49.8	50.3	50.58
50.6	50.8	50.8	50.7	50.5	50.8	50.5	50.4	50.5	50.6	51.0	51.2	50.69
50.6	50.6	50.8	50.8	50.5	50.5	50.5	50.5	50.6	50.8	50.7	50.7	50.95
50.3	50.4	50.4	50.1	50.0	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.48
50.2	50.1	50.1	50.1	50.4	50.3	50.3	50.3	50.1	50.1	49.6	49.8	50.42
—	—	—	—	—	—	—	—	—	—	—	—	—
50.1	49.9	49.6	49.3	49.8	48.6	48.9	49.6	49.1	48.6	47.5	47.8	49.74
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
49.08	49.03	49.03	49.00	48.95	48.80	48.74	48.81	48.68	48.73	48.61	48.61	49.21

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
—	58.8	58.8	58.6	58.6	58.6	58.3	58.2	58.2	58.2	58.2	58.4	—
59.4	59.3	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	58.4	58.5	59.33
59.2	59.0	58.9	58.9	58.7	58.7	58.7	58.6	58.5	58.5	58.6	58.6	59.17
59.2	59.2	59.0	59.0	58.9	58.9	58.8	58.7	58.5	58.5	58.6	58.7	59.21
59.5	59.4	59.2	59.1	59.0	58.9	58.7	58.6	58.5	58.5	58.6	58.9	59.58
60.1	59.9	59.7	59.6	59.5	59.3	59.3	59.1	59.1	59.0	59.1	59.4	59.95
59.9	—	—	—	—	—	—	—	—	—	—	—	—
—	59.9	59.6	59.5	59.2	59.1	59.0	58.8	58.8	58.7	58.9	59.2	59.80
59.9	59.8	59.6	59.5	59.3	59.2	59.1	59.1	59.0	58.9	58.8	58.9	59.91
59.5	59.4	59.3	59.2	59.3	59.3	59.2	59.1	59.1	59.0	59.0	59.2	59.57
59.7	59.7	59.6	59.5	59.4	59.4	59.4	59.3	59.3	59.5	59.7	59.9	59.84
62.2	61.9	61.5	61.4	61.3	61.3	61.0	60.9	60.8	60.6	60.7	61.0	61.83
62.2	62.0	61.9	61.6	61.2	61.1	61.0	60.9	60.9	60.7	60.7	60.7	62.10
61.2	—	—	—	—	—	—	—	—	—	—	—	—
—	60.9	60.8	60.6	60.4	60.3	60.2	60.2	60.1	60.0	60.0	60.2	61.27
61.3	61.1	61.0	60.9	60.9	60.8	60.6	60.4	60.3	60.2	60.4	60.5	61.20
61.5	61.4	61.3	61.2	61.1	60.8	60.7	60.5	60.3	60.2	60.3	60.4	61.70
61.4	61.4	61.4	61.2	61.0	61.0	60.7	60.7	60.5	60.4	60.4	60.7	61.31
61.9	61.6	61.4	61.2	60.9	60.8	60.5	60.3	60.2	60.2	60.4	60.7	61.63
61.2	61.1	60.9	60.8	60.7	60.5	60.3	60.2	60.1	60.1	60.2	60.3	61.12
60.2	—	—	—	—	—	—	—	—	—	—	—	—
—	61.0	60.9	60.7	60.4	60.2	60.1	60.0	60.0	59.9	59.7	59.7	60.97
60.2	60.1	60.0	59.9	59.8	59.8	59.7	59.7	59.5	59.4	59.6	60.0	60.35
60.4	60.3	60.2	60.1	60.1	60.0	59.9	59.8	59.6	59.5	59.5	59.6	60.48
60.3	60.2	60.1	60.0	60.0	59.8	59.7	59.7	59.7	59.5	59.4	59.7	60.25
60.3	60.2	60.0	60.0	59.9	59.7	59.5	59.4	59.3	59.3	59.4	59.7	60.30
60.4	60.3	60.2	60.2	60.1	60.0	59.8	59.8	59.7	59.7	59.7	59.9	60.52
60.2	—	—	—	—	—	—	—	—	—	—	—	—
—	59.3	59.2	59.0	59.0	58.9	58.8	58.8	58.7	58.8	59.0	59.3	60.12
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
60.47	60.35	60.20	60.09	59.96	59.86	59.73	59.63	59.54	59.48	59.55	59.74	60.48



VERTICAL FORCE.													
One Scale Division = .00085 parts of the V. F.													
Mean Göttingen Time.	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
NOVEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	58·9	59·4	59·4	59·3	59·3	59·6	60·1	60·1	59·6	59·6	58·2	58·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	58·5	58·6	58·3	58·3	58·9	59·1	59·5	59·5	58·9	58·9	57·2	57·1
	7	56·9	57·0	57·2	58·0	58·1	58·4	58·6	58·6	58·6	58·3	57·9	57·7
	8	56·8	57·1	57·8	57·8	58·2	58·6	58·8	58·8	58·7	58·5	58·2	58·2
	9	54·8	55·1	55·5	55·7	55·7	55·8	55·8	55·8	55·9	55·4	55·4	55·2
	10	53·0	54·3	53·7	53·7	54·0	54·3	55·0	55·2	55·2	55·8	55·6	55·3
	11	54·4	54·4	54·9	55·3	55·3	55·8	56·4	56·4	56·4	56·1	55·5	55·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	55·4	55·4	55·8	56·0	55·2	55·9	56·0	56·0	55·9	55·9	55·5	55·5
	14	54·5	55·1	55·9	55·9	55·9	56·1	56·0	55·7	55·6	55·4	55·4	55·4
	15	54·9	54·9	54·9	55·3	55·3	55·6	55·9	55·9	55·9	55·8	55·8	55·4
	16	54·6	54·6	54·9	54·2	54·2	54·3	54·6	54·5	54·5	54·5	54·5	54·5
	17	53·8	53·8	53·8	53·8	53·5	53·6	53·8	53·8	54·0	54·0	54·0	54·0
	18	53·8	54·1	54·4	54·1	54·5	54·8	54·8	54·7	54·5	54·3	54·2	53·9
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	53·9	54·2	54·6	55·4	56·2	56·8	57·1	56·9	56·3	56·1	55·8	55·3
	21	55·0	55·5	56·4	57·2	57·7	58·0	58·0	58·0	57·5	54·2	58·6	59·2
	22	55·4	55·4	56·0	57·1	58·1	58·5	58·6	58·6	58·6	58·2	57·9	57·7
	23	57·5	57·4	57·7	58·1	58·9	59·2	59·2	59·0	58·5	58·5	58·7	58·8
	24	58·7	59·1	59·6	59·7	61·1	61·3	61·1	60·7	60·2	59·6	59·2	59·2
	25	59·5	59·8	61·0	61·4	61·8	58·9	59·5	61·0	61·4	60·2	59·4	59·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	56·6	56·7	56·8	57·4	57·7	58·0	58·0	58·0	58·0	57·5	57·5	57·6
	28	57·1	57·4	56·9	56·6	56·6	56·0	55·5	55·5	55·6	55·5	55·5	55·5
	29	53·9	54·5	54·5	54·5	54·5	54·5	54·5	54·5	54·5	53·9	53·0	53·0
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	55·81	56·08	56·36	56·58	56·85	56·95	57·13	57·15	57·01	56·65	56·50	56·40	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
NOVEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	62·0	62·4	62·8	62·9	63·2	63·7	63·7	63·6	63·4	63·2	62·8	62·6
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	61·1	61·5	61·9	62·5	62·5	62·7	62·7	62·7	62·4	62·2	62·0	61·9
	7	61·5	61·9	62·4	62·9	63·3	63·5	63·5	63·4	63·2	62·9	62·6	62·4
	8	61·4	61·8	62·3	62·8	63·5	63·9	63·9	63·9	63·5	63·4	62·9	62·7
	9	61·9	62·3	62·7	63·0	63·3	63·4	63·4	63·3	63·0	62·7	62·4	62·3
	10	61·5	62·2	62·8	63·4	63·7	63·9	64·0	63·7	63·4	63·2	62·9	62·8
	11	61·8	62·1	62·7	62·9	63·6	63·8	64·0	63·9	63·8	63·4	62·9	62·7
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	62·0	62·3	62·7	63·2	63·8	64·1	63·9	63·8	63·8	63·8	63·5	63·2
	14	62·6	62·9	63·5	64·0	64·2	64·3	64·0	63·8	63·7	63·4	63·1	62·9
	15	63·2	63·2	63·8	64·0	64·3	64·3	64·3	64·1	63·9	63·6	63·5	63·4
	16	62·9	63·1	63·3	63·3	63·3	63·3	63·3	63·2	62·9	62·8	62·9	62·8
	17	62·2	62·4	62·7	62·7	62·9	63·0	63·0	62·9	62·8	62·6	62·5	62·3
	18	62·0	62·4	62·7	62·8	62·8	63·0	63·0	62·9	62·8	62·7	62·5	62·3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	62·3	62·8	63·5	64·4	65·0	65·2	65·3	65·2	64·9	64·5	64·0	63·6
	21	62·8	63·5	64·4	65·3	66·1	66·7	66·9	66·9	66·7	66·1	65·4	65·1
	22	63·7	64·1	64·7	65·5	66·1	66·4	66·4	66·2	65·8	65·6	65·1	65·0
	23	63·7	63·9	64·5	65·3	65·7	66·0	66·3	66·3	65·9	65·4	65·2	65·0
	24	63·8	64·4	65·0	65·7	66·3	66·9	66·4	66·2	65·8	65·4	65·2	65·0
	25	64·8	65·5	66·1	66·9	67·4	68·2	68·8	68·8	68·8	68·4	67·9	67·2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	64·9	65·3	65·9	66·6	66·8	67·0	67·0	66·7	66·2	66·0	65·9	65·8
	28	64·9	65·1	65·3	65·4	65·5	65·4	65·3	65·3	65·2	65·2	65·2	65·1
	29	64·2	64·7	64·7	64·8	65·3	65·3	65·5	65·5	65·0	64·9	64·3	64·2
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	62·78	63·17	63·65	64·10	64·48	64·73	64·75	64·65	64·40	64·15	63·85	63·65	

VERTICAL FORCE.												
One Scale Division = .00085 parts of the V. F.												
12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	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.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
57.7	59.5	59.1	59.1	58.8	58.8	58.2	58.2	58.2	57.5	57.5	57.5	58.83
57.1	57.1	57.1	57.0	56.9	56.9	56.9	57.0	56.7	56.7	56.7	56.4	57.72
57.7	57.6	57.6	57.6	57.5	57.5	57.5	57.2	57.2	57.2	57.2	57.2	57.68
58.3	59.1	57.9	57.6	57.5	57.6	57.6	57.5	57.3	57.4	54.6	54.6	57.69
54.7	54.7	54.7	54.8	54.6	54.6	54.2	54.2	53.5	53.0	53.2	53.0	54.80
55.2	55.0	55.1	54.8	54.8	54.5	54.2	54.2	54.2	54.2	54.2	54.4	54.58
—	—	—	—	—	—	—	—	—	—	—	—	—
55.2	54.9	54.6	54.7	54.2	54.2	54.2	54.2	54.3	54.3	54.8	55.0	55.03
55.3	54.6	54.6	54.6	54.2	54.0	54.0	54.0	54.3	55.5	55.2	55.3	55.17
55.1	55.1	55.1	55.0	54.6	54.6	54.4	54.6	54.7	54.8	54.8	54.8	55.19
55.4	55.4	55.1	54.9	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.5	55.13
54.5	54.1	54.4	54.2	53.9	53.9	53.8	53.8	54.1	54.2	53.8	53.8	54.27
54.0	54.0	54.0	54.0	53.9	53.9	53.8	53.5	53.5	53.6	53.4	53.6	53.80
—	—	—	—	—	—	—	—	—	—	—	—	—
53.3	54.1	54.2	53.7	54.0	53.7	53.6	53.6	53.5	53.0	53.3	53.7	53.99
55.0	54.8	54.8	54.8	54.3	54.4	54.4	54.4	54.0	54.0	54.4	54.5	55.10
59.0	59.0	58.9	58.8	58.6	58.6	58.2	58.5	58.2	57.4	55.4	55.4	57.55
57.7	57.5	57.5	57.5	57.4	57.4	57.4	57.4	57.4	57.7	57.6	57.8	57.52
58.5	58.3	58.3	58.3	58.3	57.9	57.9	57.9	57.9	58.4	57.9	58.7	58.33
59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.8	58.9	58.9	59.1	59.3	59.38
—	—	—	—	—	—	—	—	—	—	—	—	—
56.9	57.2	57.6	57.2	57.4	56.7	56.7	56.7	56.7	57.0	56.9	56.8	58.61
57.2	57.1	57.1	57.0	56.3	57.0	57.0	57.0	55.5	56.2	56.3	57.1	57.11
55.5	55.5	55.5	55.5	55.5	56.3	57.0	55.2	54.8	54.8	53.5	53.9	55.70
53.0	53.0	53.0	52.5	52.5	52.3	52.3	52.3	52.3	52.3	52.7	53.0	53.38
—	—	—	—	—	—	—	—	—	—	—	—	—
56.15	56.20	56.14	56.01	55.83	55.81	55.74	55.67	55.54	55.58	55.33	55.47	56.21
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
61.3	61.2	61.2	61.2	61.1	61.0	60.8	60.7	60.4	60.4	60.7	60.9	61.97
61.8	61.6	61.4	61.4	61.1	61.0	60.9	60.8	60.7	60.7	60.9	61.1	61.65
62.2	62.1	62.0	61.8	61.7	61.6	61.4	61.3	61.2	61.1	61.1	61.2	62.27
62.4	62.2	62.1	61.9	61.9	61.8	61.6	61.5	61.4	61.3	61.3	61.7	62.38
62.1	62.0	61.9	61.8	61.3	61.2	61.1	61.0	60.9	60.9	60.9	61.3	62.09
62.5	62.3	62.2	62.1	61.8	61.7	61.7	61.6	61.3	61.2	61.3	61.4	62.44
—	—	—	—	—	—	—	—	—	—	—	—	—
62.5	62.4	62.3	62.1	61.9	61.8	61.7	61.6	61.5	61.4	61.5	61.7	62.50
63.1	62.9	62.7	62.4	62.4	62.4	62.2	62.1	62.0	61.9	61.9	62.1	62.84
62.9	62.8	62.7	62.6	62.3	62.1	62.1	62.0	61.9	61.9	62.4	62.8	62.95
63.2	63.1	63.0	62.9	62.7	62.7	62.6	62.6	62.4	62.4	62.6	62.7	63.27
62.6	62.5	62.5	62.5	62.2	62.2	62.0	62.0	62.0	61.9	62.0	62.1	62.65
62.2	62.1	62.1	62.1	62.0	61.9	61.8	61.8	61.6	61.6	61.7	61.9	62.28
—	—	—	—	—	—	—	—	—	—	—	—	—
62.0	61.9	61.5	61.4	61.2	61.2	61.0	61.0	60.8	60.8	61.3	61.7	61.99
63.3	63.0	62.8	62.5	62.3	62.2	62.2	62.0	61.8	61.8	61.8	62.2	63.27
64.8	64.4	64.1	63.9	63.9	63.6	63.4	63.3	63.1	63.0	63.0	63.2	64.57
64.9	64.7	64.6	64.3	64.1	64.0	63.9	63.7	63.5	63.3	63.3	63.4	64.68
64.7	64.4	64.2	64.0	63.7	63.6	63.4	63.3	63.2	63.1	63.2	63.4	64.47
64.9	65.0	64.9	64.7	64.7	64.6	64.4	64.4	63.9	63.9	64.2	64.5	65.01
—	—	—	—	—	—	—	—	—	—	—	—	—
65.3	65.2	65.2	65.0	64.8	64.8	64.6	64.4	64.3	64.3	64.2	64.6	66.06
65.5	65.4	65.4	65.2	65.1	64.9	64.7	64.7	64.6	64.6	64.7	64.8	65.57
64.9	64.9	64.8	64.7	64.6	64.6	64.3	64.2	64.2	64.0	64.1	64.1	64.85
64.2	64.1	64.0	63.9	63.8	63.7	63.5	63.4	63.3	63.3	63.2	63.4	64.26
—	—	—	—	—	—	—	—	—	—	—	—	—
63.33	63.19	63.07	62.93	62.75	62.66	62.51	62.43	62.23	62.22	62.33	62.55	63.36

VERTICAL FORCE.													
One Scale Division = .00085 parts of the H. F.													
Mean Göttingen } Time. }	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	10 <sup>h</sup> .	11 <sup>h</sup> .	
DECEMBER.	1	—	55.0	55.5	55.8	55.8	55.8	56.0	56.0	55.3	55.0	54.9	54.9
	2	54.2	54.5	54.9	55.5	55.8	56.1	56.1	55.8	55.9	55.3	55.3	55.3
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	54.4	54.8	54.8	55.7	55.9	56.2	56.2	56.2	55.7	55.3	55.2	55.2
	5	54.9	55.6	55.9	55.9	55.9	56.8	56.8	56.3	56.6	56.0	56.0	55.6
	6	56.3	56.3	56.3	56.3	56.1	56.1	56.1	56.1	55.2	55.0	56.1	56.1
	7	56.7	56.8	56.8	56.6	57.2	57.2	57.1	57.1	56.9	56.3	56.1	56.1
	8	54.7	54.7	54.9	55.2	55.2	55.4	55.5	55.5	55.5	55.6	55.6	55.5
	9	55.4	56.1	57.8	—	53.8	54.0	54.0	53.7	53.2	53.2	53.3	53.3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	52.9	53.6	54.0	54.1	54.1	54.1	54.1	53.9	54.6	54.3	53.9	53.9
	12	53.8	54.3	54.3	54.3	54.3	55.0	55.0	55.1	55.1	53.8	53.8	53.8
	13	52.4	52.6	53.2	53.9	54.6	54.9	55.0	55.0	54.3	54.0	53.5	53.4
	14	53.8	54.3	54.8	54.8	54.3	54.6	54.6	54.6	55.3	54.5	54.1	54.1
	15	52.0	52.7	53.1	53.4	53.7	53.7	53.8	53.8	53.2	52.1	52.7	52.5
	16	51.9	52.1	52.9	53.1	53.4	53.3	53.3	53.3	52.3	54.8	54.6	54.2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	50.1	50.8	51.5	52.2	52.7	53.1	53.1	52.9	52.5	52.2	51.4	51.8
	19	51.6	51.6	52.3	53.3	53.8	54.0	54.1	53.7	56.1	53.9	53.9	53.5
	20	53.4	53.8	54.1	54.5	54.9	55.5	56.1	56.4	57.3	56.7	56.0	55.6
	21	52.3	52.9	54.0	55.0	56.7	57.4	57.9	57.9	57.1	57.8	57.2	57.2
	22	53.6	54.0	54.9	56.3	57.4	58.2	59.0	59.3	58.4	58.2	57.4	57.1
	23	54.5	54.7	55.0	55.0	55.3	56.6	56.7	56.7	56.5	56.4	56.4	57.1
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	51.7	51.2	51.2	52.0	52.0	52.2	52.5	53.3	52.6	52.2	52.4	52.1
	27	50.6	50.6	50.9	50.9	52.0	52.0	52.1	52.1	52.1	52.1	51.7	51.0
	28	50.5	51.0	52.0	52.2	53.1	53.4	53.5	53.5	53.0	52.6	52.1	52.1
	29	52.4	52.4	53.0	53.6	54.0	53.9	54.0	54.0	53.6	53.6	52.6	52.8
	30	50.4	50.8	51.0	51.3	52.0	52.1	52.3	52.1	51.4	51.4	51.1	51.2
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	53.10	53.49	53.96	54.20	54.56	54.86	55.00	54.97	54.79	54.49	54.29	54.22	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
DECEMBER.	1	—	63.7	64.3	64.7	65.0	65.0	65.0	64.9	64.7	64.3	64.1	64.1
	2	63.8	63.9	64.3	64.6	64.7	65.0	65.1	65.0	64.8	64.7	64.5	64.3
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	63.7	63.8	64.2	64.3	64.9	65.4	65.4	65.4	65.2	64.9	64.8	64.7
	5	64.1	64.4	64.6	64.8	65.2	65.3	65.4	65.3	65.2	65.0	64.9	64.8
	6	63.9	64.0	64.2	64.4	64.4	64.4	64.4	64.3	64.2	64.0	64.0	63.9
	7	63.7	63.9	64.2	64.4	64.5	64.5	64.4	64.2	64.1	63.9	63.9	63.8
	8	63.2	63.4	63.7	64.1	64.4	64.6	64.7	64.6	64.7	64.7	64.6	64.4
	9	64.1	64.7	65.3	—	66.6	66.6	66.4	66.0	65.9	65.4	65.1	64.9
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	64.2	64.7	65.2	65.4	65.7	65.8	65.7	65.6	65.6	65.2	65.0	64.8
	12	64.4	64.7	64.9	65.2	65.5	65.7	65.8	65.7	65.5	65.3	65.1	65.0
	13	64.4	65.1	65.6	66.3	66.6	66.9	67.0	66.7	66.5	66.0	65.7	65.5
	14	64.9	65.5	66.2	66.6	66.8	66.8	66.7	66.6	66.3	66.1	65.9	65.7
	15	64.3	64.8	65.4	65.5	66.4	66.8	66.8	66.5	66.4	66.0	65.4	65.2
	16	64.5	65.0	65.5	66.1	66.6	66.7	66.6	66.6	66.1	65.8	65.5	65.1
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	64.9	65.1	65.8	66.1	66.4	66.6	66.7	66.5	66.4	66.0	66.0	65.6
	19	65.2	65.8	66.5	67.2	67.7	67.8	67.9	67.7	67.7	67.1	66.7	66.5
	20	65.8	66.4	67.1	67.7	68.3	68.8	69.3	69.3	69.0	68.4	67.9	67.8
	21	66.5	67.2	67.7	69.0	69.7	70.5	70.7	71.0	70.2	69.9	69.4	68.9
	22	67.5	68.4	69.4	70.6	71.6	72.0	72.2	72.4	72.0	71.2	70.7	70.0
	23	68.5	68.8	69.2	69.7	70.2	70.3	70.4	70.3	70.0	69.4	69.2	69.0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	65.7	65.9	66.3	66.6	66.8	66.8	66.8	67.0	66.7	66.3	66.0	66.0
	27	65.4	65.8	66.3	66.6	66.9	67.2	67.2	67.2	67.1	66.9	66.4	66.3
	28	65.8	66.3	67.0	67.5	67.8	68.2	68.2	68.1	67.7	67.3	67.1	66.9
	29	66.3	66.9	67.6	68.2	68.2	68.7	68.7	68.6	68.4	68.0	67.7	67.5
	30	66.6	66.7	67.1	67.5	67.5	67.5	67.4	67.4	67.2	67.1	66.9	66.8
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	65.06	65.39	65.90	66.38	66.74	66.96	66.99	66.92	66.70	66.36	66.10	65.90	

Christmas-day.

VERTICAL FORCE.  
One Scale Division = .00085 parts of the V. F.

12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .	21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	Daily and Monthly Means.
54.8	54.8	55.0	54.7	54.7	54.5	54.5	54.5	54.5	54.2	54.2	54.1	54.98
54.5	53.1	53.3	53.0	53.2	53.1	53.0	53.1	53.1	54.4	54.4	54.4	54.47
55.2	55.2	55.2	55.2	55.1	55.0	55.0	54.8	54.8	54.8	54.7	54.9	55.23
55.7	55.7	55.7	55.7	55.7	55.6	55.6	55.6	57.2	57.1	55.6	56.0	55.98
56.1	55.9	55.9	56.0	55.4	55.4	55.4	55.4	55.4	56.9	56.9	56.8	55.98
56.1	54.9	54.9	55.1	55.1	55.0	55.0	55.0	55.1	54.6	54.0	54.1	55.82
55.3	55.3	55.3	55.0	55.6	55.6	55.5	55.5	55.5	55.5	55.9	55.6	55.37
53.6	53.6	53.6	53.6	52.6	52.7	52.9	53.3	53.3	53.3	53.5	53.5	53.80
53.9	53.7	53.7	53.7	53.4	53.4	53.4	53.4	53.4	53.4	53.8	53.8	53.77
53.4	53.4	52.4	52.2	52.5	52.7	53.3	53.3	53.3	52.2	52.1	52.3	53.57
53.0	53.0	53.0	53.0	52.8	52.8	52.7	52.6	52.6	54.0	54.0	54.0	53.51
54.1	53.9	53.6	53.3	53.0	53.2	53.2	53.2	52.7	52.1	51.8	52.4	53.76
52.4	52.1	52.1	52.1	51.9	51.4	51.1	51.3	51.4	51.1	50.9	51.3	52.33
54.0	54.0	54.0	54.0	53.8	53.8	53.8	53.2	53.2	53.2	50.3	50.1	53.19
51.5	51.5	51.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7	52.0	51.4	51.82
53.5	53.5	53.5	53.1	52.7	52.7	52.1	52.3	51.9	51.9	52.4	52.7	53.09
55.5	55.5	55.0	54.7	54.5	54.5	54.4	54.7	53.7	53.1	53.0	52.3	54.80
57.0	56.6	55.9	56.0	55.2	55.0	55.1	55.1	55.0	51.2	53.1	53.6	55.51
56.8	56.5	56.0	55.7	55.7	55.7	55.5	55.5	55.3	55.1	54.5	54.5	56.28
51.0	51.0	51.0	52.9	51.9	52.1	51.9	52.1	52.7	52.6	52.7	52.6	53.98
52.1	51.9	51.9	51.8	51.4	51.4	51.4	51.5	51.1	50.6	50.6	50.6	51.74
51.0	51.1	50.3	50.4	51.0	51.0	50.5	51.0	51.0	50.0	50.0	50.0	51.06
52.1	52.1	51.8	51.7	51.6	51.4	51.4	51.4	52.2	52.2	52.2	52.4	52.15
53.1	53.1	52.8	52.8	52.4	52.1	52.0	52.0	52.0	50.4	50.3	50.3	52.63
50.5	50.6	50.5	50.5	50.3	50.2	49.9	49.8	49.9	50.1	50.1	50.1	50.82
53.85	53.68	53.50	53.52	53.33	53.28	53.21	53.25	53.28	53.03	52.92	52.95	53.82

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

64.0	63.9	63.7	63.5	63.3	63.2	63.2	63.1	63.0	62.9	63.1	63.4	63.92
63.9	63.7	63.7	63.7	63.6	63.4	63.3	63.2	63.1	63.1	63.3	63.5	64.01
64.6	64.5	64.3	64.1	64.1	64.1	64.0	63.9	63.9	63.8	63.8	63.8	64.40
64.7	64.6	64.2	64.2	64.2	64.1	64.2	64.0	64.0	63.9	63.8	63.8	64.53
63.8	63.8	63.8	63.7	63.6	63.6	63.4	63.3	63.0	63.0	63.1	63.4	63.82
63.6	63.6	63.4	63.2	63.2	63.1	63.0	62.9	62.8	62.8	62.7	62.8	63.61
64.2	64.0	63.9	63.7	63.6	63.4	63.2	63.2	63.0	63.0	63.3	63.5	63.88
65.0	65.0	64.8	64.6	64.5	64.4	64.2	64.0	63.9	63.9	63.8	63.8	64.91
64.6	64.4	64.2	64.2	64.2	64.1	64.0	63.9	63.8	63.7	63.9	64.0	64.66
64.8	64.5	64.4	64.3	64.2	64.1	64.1	64.0	63.9	63.7	63.7	63.8	64.68
65.2	65.1	65.0	64.9	64.7	64.5	64.2	64.2	64.0	64.0	64.0	64.3	65.27
65.4	65.3	65.1	65.0	64.7	64.4	64.2	64.2	64.0	63.9	63.9	63.9	65.34
65.0	64.8	64.7	64.4	64.4	64.3	64.3	64.3	64.2	64.0	63.9	64.1	65.08
65.3	65.2	65.0	64.9	64.7	64.5	64.2	64.2	64.1	64.0	64.2	64.4	65.20
65.4	65.3	65.2	65.1	64.7	64.7	64.7	64.4	64.3	64.2	64.6	64.7	65.39
66.3	66.1	66.0	65.7	65.3	65.2	65.0	64.8	64.7	64.7	64.8	65.2	66.15
67.3	67.2	66.7	66.7	66.2	66.0	66.0	66.2	65.9	65.7	65.8	66.1	67.15
68.3	67.9	67.6	67.3	67.3	67.0	66.7	66.4	66.2	66.2	66.3	66.7	68.11
69.7	69.2	68.9	68.7	68.3	68.1	67.9	67.9	67.7	67.6	67.7	68.1	69.49
67.3	67.2	67.0	66.9	66.8	66.8	66.6	66.5	66.4	66.4	66.3	66.5	68.15
65.8	65.7	65.7	65.6	65.4	65.3	65.3	65.2	65.1	65.0	65.2	65.2	65.89
66.2	66.0	65.8	65.5	65.2	65.2	65.2	65.0	64.9	64.9	64.9	65.2	65.97
66.7	66.5	66.2	66.1	66.0	65.8	65.7	65.6	65.5	65.5	65.7	66.0	66.63
67.4	67.2	67.1	67.0	66.8	66.7	66.6	66.4	66.2	66.2	66.3	66.4	67.29
65.9	65.7	65.6	65.5	65.4	65.3	65.1	65.0	65.0	65.0	65.0	65.1	66.22
65.62	65.46	65.28	65.14	64.98	64.85	64.73	64.63	64.50	64.44	64.52	64.71	65.59

January 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		18.6	18.5	18.8	18.4	18.5	18.0	18.0	17.7	18.0	18.0	16.2
5	0		18.6	18.5	18.8	18.5	18.6	18.0	18.0	17.7	18.0	18.0	16.5
10	0		18.6	18.6	1.88	18.7	18.5	17.9	17.9	17.7	18.0	18.0	16.5
15	0		18.6	18.5	18.8	18.6	18.4	17.8	17.7	17.8	18.0	17.9	16.7
20	0		18.6	18.5	18.8	18.6	18.4	17.8	17.7	17.8	17.9	17.8	16.7
25	0		18.7	18.5	18.7	18.4	18.3	17.8	17.7	17.8	17.9	17.9	16.6
30	0		18.6	18.7	18.7	18.4	18.2	17.9	17.6	17.9	17.9	17.3	16.8
35	0		18.6	18.8	18.6	18.4	18.1	18.0	17.6	18.0	17.9	17.1	16.8
40	0		18.6	18.8	18.6	18.4	18.1	18.0	17.7	18.0	17.9	17.0	16.8
45	0		18.6	18.9	18.5	18.4	18.1	18.1	17.7	18.0	17.9	17.0	16.8
50	0		18.6	18.9	18.5	18.4	18.0	18.1	17.7	18.0	17.9	16.9	16.8
55	0		18.6	18.8	18.5	18.4	18.0	18.1	17.6	18.0	18.0	16.8	16.8
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
			52.6	52.1	53.5	54.0	54.2	54.8	55.1	55.0	55.8	55.5	55.8
2	0		52.6	52.1	53.5	54.0	54.2	54.8	55.1	55.0	55.8	55.5	55.8
7	0		52.5	52.2	53.5	54.0	54.2	54.8	55.1	55.0	55.9	55.6	55.8
12	0		52.5	52.2	53.3	54.0	54.2	54.9	55.1	55.1	55.9	55.5	56.0
17	0		52.4	52.2	53.3	54.0	54.3	54.9	55.1	55.4	55.9	55.5	56.1
22	0		52.4	52.3	53.4	54.0	54.6	54.9	55.1	55.6	55.9	55.2	56.1
27	0		52.3	52.5	53.7	54.0	54.6	55.1	55.1	55.6	55.9	55.3	56.6
32	0		52.3	52.7	53.7	54.0	54.6	55.1	55.1	55.6	55.9	55.8	56.8
37	0		52.4	52.9	53.8	54.0	54.8	55.1	55.1	55.6	55.9	55.9	57.0
42	0		52.3	53.2	53.9	54.0	54.7	55.1	55.1	55.6	55.9	55.9	57.0
47	0		52.3	53.3	53.8	54.1	54.7	55.1	55.1	55.6	55.9	55.1	57.1
52	0		52.2	53.3	53.9	54.1	54.8	55.0	55.1	55.5	55.5	55.1	57.2
57	0		52.2	53.3	53.0	54.1	54.8	55.0	55.0	55.5	55.5	55.1	57.2
Thermometer			68.9	68.8	68.7	68.7	68.5	68.4	68.0	68.0	68.0	68.0	67.8
M. S.			One Scale Division = .00130 parts of the V. F.					VERTICAL FORCE.					
			44.4	44.3	44.3	44.3	44.4	44.7	44.6	44.6	44.7	44.4	44.4
3	0		44.4	44.3	44.3	44.3	44.4	44.7	44.6	44.6	44.7	44.4	44.4
8	0		44.3	44.3	44.3	44.3	44.4	44.6	44.6	44.6	44.7	44.4	44.4
13	0		44.3	44.3	44.3	44.3	44.4	44.6	44.6	44.6	44.7	44.4	44.4
18	0		44.3	44.3	44.3	44.3	44.4	44.6	44.6	44.6	44.7	44.4	44.4
23	0		44.3	44.3	44.3	44.3	44.5	44.6	44.6	44.6	44.7	44.4	44.4
28	0		44.3	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.7	44.4	44.4
33	0		44.3	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.7	44.4	44.4
38	0		44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.7	44.4	44.4
43	0		44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.7	44.4	44.4
48	0		44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.7	44.4	44.4
53	0		44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.7	44.4	44.4
58	0		44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.7	44.4	44.4
Thermometer			68.3	68.2	68.2	68.2	68.2	68.1	67.9	67.8	67.7	67.7	67.4
Increasing Numbers denote decreasing westerly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°	°	—						
18	10	0	28.259	64.0	61.3	S. 32 E.	—	0.8	Moonlight and stars; cum.; strat.				
11	0		28.265	63.7	61.5	S. 40 E.	—	1.0	Overcast; cum.; strat.				
12	0		28.270	63.8	61.7	S. 39 E.	—	0.9	Cum.; strat.				
13	0		28.244	63.7	62.3	S. 48 E.	—	1.0	Overcast; light rain; nimb.				
14	0		28.234	63.1	61.5	S. 39 E.	—	1.0	Overcast; strat.				
15	0		28.229	62.9	61.4	S. 40 E.	—	0.8	Large masses of cum. passing.				
16	0		28.224	62.7	60.8	S. 30 E.	—	0.9	Cum.-strat.				
17	0		28.226	62.5	60.9	S. 53 E.	—	1.0	Rain; nimb.				
18	0		28.237	62.5	61.0	S. 42 E.	—	1.0	Overcast; strat.				
19	0		28.241	62.4	60.8	S. 41 E.	—	1.0	Overcast; strat.				
20	0		28.251	62.3	60.7	S. 46 E.	—	1.0	Overcast; rain; nimb.				
21	0		28.265	63.0	61.4	S. 44 E.	—	1.0	Overcast; fair; strat.				

MAGNETICAL OBSERVATIONS.												
												January 18th and 19th.
DECLINATION.						Angular Value of one Scale Division = 0'.711.						
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
16.8	16.7	17.0	17.7	17.3	16.5	16.0	17.2	18.2	17.5	17.1	17.8	18.2
16.9	16.7	17.0	17.6	17.3	16.1	16.1	17.2	18.2	17.5	17.1	17.9	18.5
16.0	16.8	17.0	17.5	17.3	16.2	16.1	17.4	18.2	17.4	17.1	18.0	18.8
16.4	16.7	17.0	17.6	17.2	16.0	16.1	17.6	18.0	17.3	17.0	18.0	18.8
16.3	16.8	17.0	17.5	17.2	16.0	16.3	17.8	18.0	17.4	17.0	18.1	18.8
16.1	16.9	17.0	17.5	17.2	15.9	16.5	17.9	18.0	17.4	17.0	18.1	18.9
16.6	16.9	17.1	17.6	17.1	15.9	16.8	17.9	18.0	17.4	17.0	18.1	18.9
16.6	16.9	17.1	17.5	17.0	15.9	16.8	17.9	18.0	17.3	17.0	18.1	18.9
16.1	16.9	17.2	17.6	16.9	15.9	16.9	18.2	18.0	17.2	17.1	18.1	19.0
16.2	17.0	17.2	17.6	16.8	15.9	16.9	18.2	17.9	17.1	17.1	18.2	19.0
16.2	17.0	17.3	17.6	16.5	15.9	17.0	18.2	17.8	17.0	17.2	18.2	19.0
16.3	17.0	17.4	17.6	16.5	16.0	17.0	18.2	17.7	17.0	17.5	18.2	19.0
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .00028.						
57.2	58.0	60.0	61.5	61.6	60.3	59.2	57.7	56.3	55.2	54.8	54.9	54.0
57.2	58.0	60.0	61.5	61.8	60.1	59.1	57.4	56.1	55.0	54.8	54.9	54.0
57.2	58.2	60.1	61.4	61.8	60.0	59.0	57.2	56.0	55.0	54.8	54.9	53.9
57.4	58.8	60.3	61.5	61.9	60.0	58.9	57.0	55.9	55.0	54.8	54.8	53.9
57.4	59.0	60.7	61.5	61.9	60.0	58.8	57.0	55.9	55.0	54.8	54.3	53.9
57.8	59.1	60.8	61.6	61.9	60.0	58.6	57.0	55.9	55.0	54.8	54.1	53.7
57.8	59.2	60.9	61.6	61.7	59.9	58.4	56.9	55.7	55.0	54.7	54.1	53.7
57.8	59.3	61.0	61.6	61.3	59.9	58.2	56.9	55.5	55.0	54.9	54.1	53.5
57.8	59.4	61.1	61.6	61.1	59.8	58.0	56.8	55.5	55.0	54.9	54.1	53.3
57.8	59.6	61.2	61.6	60.9	59.5	58.0	56.8	55.5	54.9	54.9	54.0	53.5
57.9	59.7	61.3	61.6	60.8	59.3	58.0	56.8	55.3	54.8	54.9	54.0	53.7
58.0	59.9	61.5	61.7	60.5	59.2	57.9	56.4	55.3	54.7	54.9	54.0	53.7
67.7	67.4	67.6	67.9	68.2	69.0	69.4	69.8	70.0	70.0	69.9	69.8	69.5
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .						
44.4	44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.4	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.9	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
44.4	44.6	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
67.1	67.1	67.2	67.4	67.8	68.2	68.8	69.1	69.3	69.6	69.2	69.2	69.2
and increasing Horizontal and Vertical Force.												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
D.	H.	M.	In.	Dry.	Wet.	Direction.	Force.					
18	22	0	28.269	65.1	62.6	S. 59 E.	—	1.0	Showery; overcast; strat. in the N. horizon.			
	23	0	28.271	67.7	63.4	S. 51 E.	—	0.5	Small cum. and strat. in the N.E. horizon.			
19	0	0	28.261	68.4	63.0	S. 33 E.	—	0.7	Cum.			
	1	0	28.258	71.0	63.8	S. 45 E.	—	0.6	Cum.			
	2	0	28.248	69.4	63.8	S. 48 E.	—	0.9	Cum.			
	3	0	28.237	68.4	63.5	S. 39 E.	—	0.9	Cum.			
	4	0	28.222	70.4	63.7	S. 38 E.	—	0.7	Cum.; strat.			
	5	0	28.206	68.2	63.1	S. 45 E.	—	0.8	Cum.; strat.			
	6	0	28.202	67.7	62.4	S. 41 E.	—	0.6	Strat. and cum.			
	7	0	28.212	66.0	62.1	S. 31 E.	—	0.8	Strat. and cum.			
	8	0	28.220	64.3	60.8	S. 25 E.	—	0.2	Strat. and cum.			
	9	0	28.229	64.1	61.1	S. 44 E.	—	0.9	Nearly overcast; strat.			

February 24th and 25th.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of one Scale Division = 0'·711.					DECLINATION.				
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0		15·4	15·5	15·2	15·6	14·9	14·9	13·6	14·3	14·9	13·6
5	0		15·4	15·4	15·5	15·8	14·9	14·9	13·9	14·3	14·9	13·6
10	0		15·6	15·6	16·0	15·8	14·9	14·8	13·9	14·6	14·7	13·4
15	0		15·6	15·8	16·1	16·0	14·9	14·8	13·9	14·3	14·7	13·2
20	0		15·6	16·0	15·9	16·0	14·9	14·8	13·9	14·1	14·5	13·2
25	0		15·7	16·2	15·9	16·2	14·9	14·8	13·8	14·3	14·4	12·9
30	0		15·8	16·2	15·9	15·9	14·9	14·7	13·9	14·3	14·3	12·7
35	0		15·9	16·1	15·8	15·6	14·9	14·7	13·9	14·7	14·2	12·6
40	0		15·9	16·0	15·6	15·5	14·8	14·4	13·9	14·9	14·2	12·2
45	0		15·7	15·6	15·7	15·4	14·9	14·2	13·9	14·9	14·0	12·2
50	0		15·8	15·6	15·7	15·3	14·9	13·8	13·9	14·9	14·0	12·0
55	0		15·8	15·5	15·5	15·3	14·9	13·7	14·1	14·9	13·8	11·8
			One Scale Division = ·00019 parts of the H. F.					HORIZONTAL FORCE.				
M.	S.											
2	0		40·8	41·9	44·2	49·0	46·7	47·1	48·3	49·1	49·5	48·8
7	0		40·7	41·8	45·4	48·8	46·9	47·3	48·1	49·1	49·4	49·0
12	0		41·0	42·0	46·8	48·5	46·9	47·6	48·4	49·0	49·0	49·1
17	0		41·0	43·3	47·6	48·1	46·9	47·7	48·1	49·2	49·0	49·2
22	0		41·1	45·0	47·8	47·7	46·9	48·0	47·7	49·3	48·9	49·2
27	0		41·2	45·8	48·2	47·5	46·8	47·9	48·0	49·0	48·8	49·3
32	0		41·6	46·2	48·4	47·3	47·0	47·7	47·9	49·5	48·8	49·4
37	0		41·7	46·0	48·4	47·3	47·1	47·8	47·6	49·2	48·8	49·2
42	0		41·9	45·7	48·4	47·0	47·1	48·1	47·6	49·5	48·8	49·6
47	0		42·0	45·1	49·2	46·7	47·3	48·0	48·1	49·6	48·8	49·9
52	0		41·9	45·1	48·9	46·6	47·1	48·0	48·5	49·6	48·8	49·9
57	0		41·7	44·4	49·2	46·9	47·1	48·2	49·0	49·6	48·8	50·0
Thermometer			72·9	72·6	72·2	71·9	71·9	71·9	71·8	71·3	71·1	70·9
			One Scale Division = ·00130 parts of the V. F.					VERTICAL FORCE.				
M.	S.											
3	0		40·7	40·3	40·3	40·3	40·3	40·4	40·1	40·2	40·0	40·0
8	0		40·7	40·3	40·3	40·3	40·4	40·4	40·1	40·2	40·0	40·0
13	0		40·7	40·3	40·3	40·3	40·4	40·4	40·1	40·2	40·0	40·0
18	0		40·5	40·3	40·3	40·3	40·4	40·4	40·1	40·2	40·0	39·7
23	0		40·4	40·3	40·3	40·3	40·4	40·4	40·1	40·2	40·0	39·7
28	0		40·4	40·3	40·3	40·3	40·4	40·4	40·1	40·2	40·0	39·7
33	0		40·4	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·7
38	0		40·4	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·7
43	0		40·3	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·6
48	0		40·3	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·6
53	0		40·3	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·6
58	0		40·3	40·3	40·3	40·3	40·4	40·4	40·2	40·0	40·0	39·6
Thermometer			72·8	72·4	72·1	72·0	71·8	71·6	71·5	71·3	71·1	70·9
Increasing Numbers denote decreasing westerly Declination,												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°	°						
24	10	0	28·194	65·5	63·5	S. 34 E.	—	1·0	Overcast; strat.			
	11	0	28·203	65·6	63·9	S. 29 E.	—	1·0	Overcast; dark strat.			
	12	0	28·194	65·3	62·7	S. 28 E.	—	0·7	Strat.			
	13	0	28·185	65·2	62·8	S. 25 E.	—	1·0	Overcast; dark strat.			
	14	0	28·161	65·3	63·0	S. 27 E.	—	0·8	Cloudy; clear over head; strat.			
	15	0	28·147	64·6	61·2	S. 34 E.	—	0·8	Cloudy; clear over head; strat.			
	16	0	28·138	64·8	61·6	S. 22 E.	—	0·9	Nearly overcast; strat.			
	17	0	28·147	65·0	61·8	S. 18 E.	—	1·0	Overcast; wind in gusts; strat.			
	18	0	28·148	65·1	62·0	S. 35 E.	—	1·0	Overcast; strat.			
	19	0	28·152	65·1	63·0	S. 20 E.	—	1·0	Overcast; cum.; strat.			
	20	0	28·171	65·4	64·2	S. 24 E.	—	1·0	Overcast; strat.			
	21	0	28·192	66·4	62·8	S. 24 E.	—	0·7	Fair; cum.; strat.			

MAGNETICAL OBSERVATIONS.													February 24th and 25th.		
DECLINATION.						Angular Value of one Scale Division = 0'.711.									
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .			
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
10.8	10.9	14.0	19.0	20.9	19.1	18.3	17.6	16.9	16.8	16.9	16.6	16.7			
10.9	11.1	14.1	19.3	20.9	19.0	18.3	17.4	16.8	16.8	16.9	16.5	16.8			
10.9	11.3	14.7	19.4	20.9	19.0	18.2	17.3	16.8	16.8	16.9	16.6	16.8			
10.9	11.5	14.9	19.9	20.6	18.9	18.2	17.3	16.9	16.8	16.9	16.4	16.8			
10.7	11.6	15.1	19.9	20.3	18.9	18.1	17.0	16.9	16.8	16.9	16.5	16.8			
10.8	12.1	15.8	20.1	20.1	18.9	18.1	17.0	16.6	16.7	16.9	16.5	16.8			
10.8	12.4	16.1	20.5	20.0	18.8	18.0	17.1	16.6	16.8	16.9	16.7	16.8			
10.7	12.8	16.8	20.5	20.0	18.6	18.0	17.2	16.8	16.8	16.9	16.5	16.7			
10.7	12.9	17.1	20.6	19.9	18.6	17.9	17.0	16.9	16.8	16.9	16.5	16.7			
10.7	13.4	17.9	20.9	19.9	18.5	17.8	17.0	16.8	16.8	16.9	16.4	16.7			
10.8	13.5	18.1	20.9	19.6	18.3	17.8	17.0	16.8	16.8	16.8	16.4	16.7			
10.9	13.9	18.6	20.9	19.1	18.3	17.8	17.0	16.8	16.9	16.8	16.6	16.5			
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .00028.									
51.3	52.4	53.6	52.0	52.0	52.4	51.8	49.9	49.0	47.0	46.9	46.8	47.7			
51.4	52.5	53.5	52.0	52.0	52.6	51.5	49.6	48.8	47.1	46.9	46.9	47.4			
51.6	52.5	53.8	52.0	52.1	52.5	51.4	49.6	48.6	47.1	46.3	47.1	47.3			
51.5	52.5	53.5	51.9	52.1	52.4	51.2	49.4	48.1	47.1	46.3	46.8	47.2			
51.6	52.5	53.2	52.0	52.1	52.5	51.0	49.0	47.9	47.1	46.3	46.8	47.0			
51.7	52.6	53.1	52.1	52.0	52.5	50.8	49.3	47.9	47.0	46.3	46.3	47.0			
52.0	52.5	53.1	52.1	52.0	52.4	50.7	49.4	47.9	47.0	46.8	46.0	46.8			
52.2	52.8	53.0	52.0	52.1	52.5	50.5	49.2	47.6	46.9	46.9	46.0	46.6			
52.2	53.0	53.0	52.1	52.2	52.4	50.2	49.2	47.3	46.9	46.8	46.3	46.3			
52.2	53.0	52.8	52.1	52.7	52.0	50.2	49.1	47.4	46.9	46.7	46.3	46.2			
52.1	53.1	52.3	52.0	52.7	51.9	50.1	49.0	47.2	46.9	46.8	46.8	46.2			
52.1	53.4	52.3	52.0	52.8	52.0	49.9	49.0	47.2	46.9	46.5	47.0	46.2			
71.0	70.9	71.0	71.1	71.7	72.6	73.4	74.1	74.5	74.8	74.3	74.2	74.0			
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .									
38.9	38.3	38.3	38.2	38.3	38.8	39.1	39.5	39.8	39.6	39.7	40.0	40.1			
38.9	38.3	38.3	38.2	38.3	38.8	39.1	39.5	39.8	39.6	39.7	40.0	40.1			
38.9	38.3	38.3	38.2	38.3	38.8	39.1	39.5	39.8	39.6	39.7	40.0	40.1			
38.9	38.3	38.3	38.2	38.4	38.8	39.1	39.5	39.8	39.6	39.7	40.0	39.7			
38.9	38.3	38.3	38.3	38.6	38.8	39.2	39.5	39.8	39.6	39.7	40.0	39.7			
38.9	38.3	38.3	38.3	38.6	38.8	39.2	39.5	39.6	39.5	39.7	40.0	39.7			
38.9	38.3	38.3	38.3	38.6	38.8	39.2	39.5	39.6	39.5	39.7	40.0	39.7			
38.9	38.3	38.2	38.3	38.6	39.0	39.2	39.5	39.6	39.5	39.7	39.7	39.7			
38.6	38.3	38.2	38.3	38.6	39.0	39.2	39.5	39.6	39.5	39.9	39.7	39.7			
38.5	38.3	38.2	38.3	38.6	38.9	39.3	39.5	39.6	39.5	39.9	39.7	39.7			
38.4	38.3	38.2	38.3	38.6	38.9	39.5	39.5	39.6	39.5	39.9	39.7	39.7			
38.4	38.3	38.2	38.3	38.6	38.9	39.5	39.8	39.6	39.5	39.9	39.7	39.7			
70.8	70.6	70.6	71.0	71.3	72.1	73.0	73.5	74.1	74.2	74.2	74.2	74.0			
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.	°	°	°	—	0.9	Fair; cum.-strat.						
24	22	0	28.209	68.1	64.0	S. 48 E.	—	1.0	Overcast; cum.-strat.						
	23	0	28.216	68.9	65.2	S. 25 E.	—	0.9	Fair; cum.-strat.						
25	0	0	28.220	70.8	66.5	S. 13 E.	—	0.8	Fair; cum.; strat.						
	1	0	28.216	72.5	67.4	S. 37 E.	—	0.8	Fair; cum.						
	2	0	28.206	72.9	67.0	S. 40 E.	—	0.9	Nearly overcast; cum.-strat.						
	3	0	28.184	72.9	67.1	S. 30 E.	—	0.9	Nearly overcast; showery; cum.; strat. in N.E.						
	4	0	28.170	71.3	68.0	S. 9 E.	—	1.0	Overcast; dull; cum.; strat.						
	5	0	28.169	72.0	67.6	S. 22 E.	—	1.0	Overcast; nimb.; cum.-strat.						
	6	0	28.175	70.4	67.2	S. 13 E.	—	1.0	Overcast; mist and rain; nimb.						
	7	0	28.183	67.8	66.3	S. 10 E.	—	1.0	Overcast; mist and rain; nimb.						
	8	0	28.204	67.4	66.2	S. 11 E.	—	1.0	Thick mist; very dark; strat.						
	9	0	28.214	67.0	66.3	S. 26 E.	—	1.0							



March 22nd and 23rd.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.				
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .
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	16.3	16.2	15.9	15.6	16.0	15.1	14.9	15.1	14.7	15.7	15.3
5	0	16.5	16.3	15.8	15.6	15.9	15.0	14.9	15.0	14.7	15.9	15.5
10	0	16.4	16.2	15.8	15.6	15.5	14.9	14.9	15.0	14.4	16.2	15.5
15	0	16.4	16.2	15.7	15.7	15.3	14.9	14.9	15.1	14.4	16.2	15.5
20	0	16.3	16.2	15.8	15.6	15.1	14.9	14.9	15.1	14.4	16.4	15.5
25	0	16.3	16.2	15.8	15.7	15.1	14.8	14.7	15.1	14.4	16.6	15.9
30	0	16.3	16.1	15.8	15.7	15.0	14.7	14.8	15.0	14.6	16.9	15.5
35	0	16.3	16.1	15.9	15.8	15.3	14.8	14.8	15.0	15.0	16.8	15.2
40	0	16.3	16.1	15.8	15.8	15.6	14.9	14.8	14.9	15.2	16.3	15.1
45	0	16.3	16.1	15.7	15.9	15.5	14.8	14.7	14.9	15.2	15.9	15.1
50	0	16.3	16.1	15.5	16.2	15.2	14.9	14.6	14.9	15.6	16.0	14.6
55	0	16.2	16.0	15.6	16.2	15.1	14.9	14.7	14.8	15.7	15.2	14.5
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.				
M.	s.	54.5	55.0	56.2	54.7	58.1	55.1	55.9	56.3	56.6	57.4	59.2
2	0	54.7	55.0	56.2	54.8	57.8	55.1	55.9	56.3	56.9	57.4	59.2
7	0	54.7	55.0	55.9	55.5	57.8	55.5	56.0	56.3	57.0	57.5	59.2
12	0	54.6	54.9	55.8	56.4	57.1	55.1	56.0	56.3	57.2	57.7	59.1
17	0	54.7	54.9	55.8	56.9	57.0	55.1	56.0	56.3	57.5	57.9	58.7
22	0	54.7	54.8	55.5	57.2	56.9	55.1	56.0	56.3	57.4	58.0	58.6
27	0	54.7	54.5	55.3	57.7	56.5	55.2	56.0	56.3	57.4	57.8	58.3
32	0	54.8	54.8	55.0	58.3	56.1	55.5	56.0	56.6	57.5	58.0	58.2
37	0	55.0	55.1	54.8	58.5	56.0	55.7	56.0	56.8	57.3	58.2	58.2
42	0	55.0	55.5	54.4	58.8	56.0	55.8	56.3	56.8	57.4	58.3	59.0
47	0	55.0	55.9	54.1	59.1	55.6	55.9	56.3	56.3	57.6	58.8	59.3
52	0	55.0	56.1	54.7	58.8	55.8	55.9	56.3	56.2	57.4	59.2	60.0
57	0											
Thermometer			68.1	68.1	68.1	68.4	68.4	68.3	68.3	68.1	68.1	68.0
			One Scale Division = .00130 parts of the V. F.					VERTICAL FORCE.				
M.	s.	32.7	32.7	32.8	32.7	32.7	32.8	32.6	32.8	32.7	32.9	32.5
3	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.8	32.7	32.9	32.5
8	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.8	32.7	32.9	32.5
13	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.8	32.7	32.9	32.5
18	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.8	32.7	32.6	32.5
23	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.8	32.7	32.5	32.5
28	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.6	32.6	32.5	32.5
33	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.6	32.7	32.5	32.5
38	0	32.7	32.8	32.8	32.7	32.5	32.8	32.6	32.6	32.7	32.5	32.5
43	0	32.7	32.8	32.8	32.7	32.5	32.6	32.6	32.6	33.0	32.5	32.5
48	0	32.7	32.8	32.8	32.7	32.5	32.6	32.6	32.6	33.0	32.5	32.5
53	0	32.7	32.8	32.8	32.7	32.5	32.6	32.6	32.6	33.0	32.5	32.5
58	0	32.7	32.8	32.7	32.7	32.5	32.6	32.6	32.7	32.9	32.5	32.5
Thermometer			68.1	68.1	68.1	68.4	68.4	68.3	68.3	68.1	68.1	67.7
Increasing Numbers denote decreasing westerly 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	28.233	64.0	62.2	S. 45 E.	—	0.9	Cloudy; blue sky in zenith; strat.			
	11	0	28.238	63.8	61.6	S. 54 E.	—	1.0	Overcast; very dark; strat.			
	12	0	28.233	63.9	62.0	S. 55 E.	—	1.0	Overcast; dark; strat.			
	13	0	28.229	63.6	61.2	S. 59 E.	—	1.0	Overcast; dark; strat.			
	14	0	28.224	63.6	61.1	S. 42 E.	—	0.9	Nearly overcast; cum.; strat.			
	15	0	28.207	63.4	61.4	S. 53 E.	—	0.9	Nearly overcast; cum.; strat.			
	16	0	28.197	63.2	61.0	S. 39 E.	—	0.9	Fair; cum.; strat.			
	17	0	28.193	62.9	60.8	S. 54 E.	—	0.9	Fair; cum.; strat.			
	18	0	28.197	62.9	60.6	S. 55 E.	—	0.7	Fair; cum.			
	19	0	28.211	63.1	60.8	S. 55 E.	—	0.8	Fair; cum.; passing strat. in N. horizon.			
	20	0	28.227	63.7	61.5	S. 53 E.	—	0.9	Fair; cum.; strat.			
	21	0	28.245	64.4	61.2	S. 53 E.	—	0.9	Fair; cum.; strat.			

MAGNETICAL OBSERVATIONS.													March 22nd and 23rd.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
14.2	13.1	16.9	18.8	20.0	19.5	18.6	17.3	16.6	16.0	16.1	16.0	16.2		
14.1	13.3	16.9	18.8	20.0	19.6	18.6	17.3	16.5	16.0	16.0	16.0	16.3		
13.9	13.6	17.0	18.8	19.9	19.5	18.3	17.3	16.5	15.9	15.7	16.0	16.3		
13.5	13.9	17.1	18.9	19.4	19.5	18.2	17.1	16.5	15.9	15.8	16.0	16.3		
13.5	14.0	17.5	19.3	19.3	19.3	18.1	17.1	16.5	16.0	15.9	16.0	16.2		
13.4	14.0	17.9	19.4	19.2	19.2	18.1	16.8	16.4	16.0	16.0	16.0	16.2		
13.1	14.0	18.0	19.4	19.6	19.2	18.1	16.6	16.3	16.0	16.0	16.1	16.2		
13.1	14.9	18.1	20.0	19.6	19.2	17.9	16.7	16.3	16.0	16.0	16.1	16.2		
13.0	15.1	18.5	20.0	19.6	19.1	17.9	16.5	16.4	16.0	16.0	16.1	16.2		
12.9	15.8	18.6	19.9	19.1	18.8	17.9	16.6	16.2	16.0	16.0	16.1	16.1		
13.0	16.0	18.6	19.9	19.1	18.8	17.8	16.6	16.1	16.1	16.0	16.1	16.0		
13.0	16.5	18.9	19.8	19.4	18.9	17.8	16.6	16.0	16.1	16.0	16.2	16.1		
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .00028.								
59.9	60.0	62.1	64.0	65.1	62.2	61.0	58.0	55.2	52.9	52.9	54.2	53.8		
60.2	60.1	62.1	64.2	65.0	62.1	60.6	58.0	55.0	52.1	54.1	54.1	53.9		
60.2	60.8	62.1	64.3	64.8	62.0	60.2	57.6	54.9	51.8	54.6	54.0	54.0		
60.2	60.9	62.3	64.3	64.7	62.0	60.2	57.3	54.9	51.1	54.9	53.8	54.0		
60.2	61.0	62.8	64.8	64.2	62.0	60.1	56.9	54.4	50.9	55.0	53.8	54.1		
59.8	61.1	62.9	64.8	64.2	62.0	59.9	56.3	54.3	50.9	55.0	53.4	54.1		
59.8	61.1	63.1	65.2	63.7	62.0	59.4	56.1	54.3	51.1	54.9	53.4	54.2		
59.8	61.1	63.9	65.2	63.2	61.8	59.2	55.7	54.5	51.7	54.9	53.4	54.2		
59.8	61.1	64.1	65.1	62.9	61.4	59.0	55.5	54.7	51.8	54.9	53.6	54.2		
59.8	61.9	63.9	65.0	62.5	62.0	58.8	55.1	54.1	51.9	54.6	53.6	54.1		
59.7	62.1	64.0	65.0	62.2	61.5	58.7	55.0	54.0	51.9	54.4	53.6	54.3		
59.7	62.1	64.1	65.0	62.2	61.2	58.4	55.1	53.6	52.3	54.3	53.8	54.3		
67.8	67.7	67.8	68.2	68.7	69.0	69.8	70.0	70.1	69.9	69.8	69.8	69.8		
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .								
32.5	32.4	32.2	32.2	32.5	32.5	32.9	33.4	33.3	33.1	33.1	33.1	33.4		
32.5	32.4	32.2	32.2	32.5	32.6	33.0	33.4	33.3	33.1	33.1	33.6	33.4		
32.5	32.4	32.2	32.2	32.5	32.6	33.0	33.4	33.3	33.1	33.1	33.4	33.4		
32.5	32.3	32.2	32.2	32.5	32.6	33.0	33.4	33.3	33.1	33.1	33.4	33.2		
32.5	32.3	32.2	32.2	32.5	32.6	33.0	33.4	33.3	33.1	33.1	33.8	33.2		
32.5	32.3	32.2	32.2	32.5	32.9	33.0	33.4	33.3	33.1	33.1	33.8	33.2		
32.5	32.3	32.2	32.2	32.5	32.9	33.0	33.4	33.3	33.1	33.1	33.4	33.3		
32.5	32.2	32.2	32.2	32.5	32.9	33.0	33.3	33.3	33.1	33.1	33.5	33.2		
32.5	32.2	32.2	32.5	32.5	32.9	33.0	33.3	33.3	33.1	33.1	33.7	32.6		
32.5	32.2	32.2	32.5	32.5	32.9	33.0	33.3	33.3	33.1	33.1	33.7	32.6		
32.5	32.2	32.2	32.5	32.5	32.9	33.0	33.3	33.3	33.1	33.1	33.7	32.6		
32.5	32.2	32.2	32.5	32.5	32.9	33.2	33.3	33.3	33.1	33.1	33.4	32.6		
67.5	67.5	67.7	68.0	68.4	68.8	69.4	69.5	69.7	69.9	69.7	69.7	69.6		
and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.	Force.							
D.	H.	M.	In.	°	°	°	—	°						
23	22	0	28.268	65.8	62.1	S. 55 E.	—	0.8	Fair; cum.; strat.					
	23	0	28.260	66.4	62.8	S. 53 E.	—	0.8	Fair; cum.; strat.					
24	0	0	28.254	67.5	63.4	S. 56 E.	—	0.8	Fair; cirr.; strat.; cum.					
	1	0	28.231	68.0	64.0	S. 50 E.	—	0.7	Fair; cum.					
	2	0	28.209	68.6	64.0	S. 44 E.	—	0.7	Fair; cum.; passing strat. in S.					
	3	0	28.198	68.4	64.2	S. 50 E.	—	0.8	Fair; cum.; strat.					
	4	0	28.184	67.9	63.4	S. 47 E.	—	0.7	Fair; cum.; strat.					
	5	0	28.182	67.6	63.5	S. 47 E.	—	0.8	Fair; cum.; strat.					
	6	0	28.181	66.0	63.0	S. 49 E.	—	0.8	Fair; strat.; cum.					
	7	0	28.184	65.0	62.4	S. 50 E.	—	0.9	Fair; cirr.; cum.					
	8	0	28.194	64.2	62.0	S. 53 E.	—	0.8	Fair; strat.					
	9	0	28.204	64.0	61.2	S. 54 E.	—	0.9	Cloudy; dark; strat.					

April 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		15.7	15.9	16.0	16.0	16.0	16.0	16.2	16.2	16.6	16.9	17.0
5	0		15.7	15.9	16.0	16.0	16.0	16.0	16.1	16.2	16.5	17.0	16.5
10	0		15.7	16.0	16.1	16.0	16.0	16.0	16.2	16.2	16.6	17.1	16.0
15	0		15.7	16.0	16.1	16.0	16.0	16.0	16.3	16.3	16.5	17.3	16.0
20	0		15.8	16.0	16.0	16.0	16.0	16.1	16.2	16.4	16.5	17.6	15.9
25	0		15.8	16.0	16.0	16.0	16.0	16.2	16.3	16.3	16.4	17.8	15.2
30	0		15.8	16.0	16.0	16.0	16.0	16.2	16.3	16.3	16.5	17.9	15.0
35	0		15.8	16.0	16.0	16.0	16.0	16.2	16.4	16.3	16.6	17.9	14.9
40	0		15.9	16.0	16.0	16.0	16.0	16.1	16.3	16.4	16.7	17.7	14.6
45	0		15.9	16.0	16.0	16.0	16.0	16.2	16.3	16.5	16.7	17.4	14.1
50	0		15.9	16.0	16.0	16.0	16.0	16.2	16.3	16.5	16.8	17.2	14.1
55	0		15.9	16.0	16.0	16.0	16.0	16.2	16.2	16.5	16.8	17.0	13.8
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
2	0		55.9	56.1	56.1	56.1	56.2	56.4	56.0	56.7	56.8	57.0	56.9
7	0		55.9	56.1	56.2	56.1	56.2	56.4	56.1	56.7	56.8	57.0	56.9
12	0		55.9	56.1	55.9	56.1	56.2	56.4	56.3	56.7	56.8	56.9	56.9
17	0		56.0	56.0	56.0	56.0	56.2	56.7	56.3	56.7	56.9	56.9	56.9
22	0		56.0	56.0	56.0	56.0	56.4	56.8	56.4	56.8	56.9	56.9	56.9
27	0		56.0	56.0	56.0	56.0	56.3	56.5	56.5	56.9	57.0	56.9	56.9
32	0		56.0	56.0	56.0	56.1	56.2	56.3	56.4	56.8	57.0	56.8	56.9
37	0		56.1	56.0	56.0	56.1	56.2	56.2	56.3	56.8	57.0	56.7	57.0
42	0		56.1	56.0	56.0	56.1	56.2	56.2	56.4	56.8	57.0	56.5	57.0
47	0		56.1	56.0	56.0	56.2	56.2	56.1	56.6	56.8	57.0	56.7	57.0
52	0		56.1	56.0	56.0	56.3	56.4	56.0	56.6	56.7	57.0	56.8	56.9
57	0		56.1	56.0	56.1	56.3	56.4	56.0	56.5	56.7	57.0	56.8	57.0
Thermometer			68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.7	68.5	68.3
M. S.			One Scale Division = .00085 parts of the V. F.					VERTICAL FORCE.					
3	0		46.0	46.2	46.0	46.0	45.8	45.8	45.6	45.0	45.4	45.2	45.2
8	0		46.0	46.2	46.0	46.0	45.8	45.8	45.6	45.3	45.4	45.2	45.2
13	0		46.0	46.1	46.0	46.0	45.8	45.8	45.6	45.2	45.4	45.2	45.2
18	0		46.0	46.1	46.0	45.8	45.8	45.8	45.6	45.2	45.4	45.2	45.2
23	0		46.0	46.1	46.0	45.8	45.8	45.8	45.6	45.1	45.4	45.2	45.2
28	0		46.0	46.0	46.0	45.8	45.8	45.6	45.6	45.1	45.4	45.2	45.2
33	0		46.0	46.0	46.0	45.8	45.8	45.6	45.4	44.8	45.3	45.2	45.2
38	0		46.0	46.0	46.0	45.8	45.8	45.6	45.4	44.8	45.3	45.2	45.2
43	0		46.0	46.0	46.0	45.8	45.8	45.6	45.4	44.8	45.2	45.2	45.2
48	0		46.0	46.0	46.0	45.8	45.8	45.6	45.4	44.8	45.2	45.2	45.2
53	0		46.0	46.0	46.0	45.8	45.8	45.6	45.3	44.8	45.2	45.2	45.1
58	0		46.0	46.0	46.0	45.8	45.8	45.6	45.4	44.9	45.2	45.2	45.1
Thermometer			68.8	68.8	68.8	68.9	68.8	68.8	68.8	68.5	68.5	68.2	68.1
Increasing Numbers denote decreasing westerly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°	°	lbs.						
19	10	0	28.245	64.6	61.6	S. 26 E.	0.52	1.0	Overcast; dark; strat.				
	11	0	28.255	64.3	61.0	S. 26 E.	—	0.9	Nearly overcast; strat.				
	12	0	28.255	64.3	60.2	S. 13 E.	0.20	1.0	Overcast; cum.-strat.				
	13	0	28.241	64.2	61.5	S. 5 E.	—	1.0	Overcast; cum.-strat.				
	14	0	28.217	64.0	61.2	S. 35 E.	1.56	1.0	Cloudy; faint moon; light cum.; strat.				
	15	0	28.209	64.0	61.2	S. 9 E.	—	1.0	Overcast; cum.; strat.				
	16	0	28.201	63.8	60.6	S. 30 E.	1.04	1.0	Overcast; cum.; strat.				
	17	0	28.199	63.6	58.5	S. 30 E.	—	1.0	Overcast; strat.				
	18	0	28.206	63.7	59.0	S. 21 E.	0.26	1.0	Overcast; cum.-strat.				
	19	0	28.226	63.6	58.0	S. 11 E.	—	1.0	Overcast; cum.-strat.				
	20	0	28.234	64.0	58.4	S. 10 E.	0.26	0.9	Nearly overcast; cum.-strat.				
	21	0	28.246	64.8	59.9	S. 32 E.	—	1.0	Overcast; cum.-strat.				

MAGNETICAL OBSERVATIONS.												
April 19th and 20th.												
DECLINATION.						Angular Value of one Scale Division = 0' 711.						
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
13·6	11·1	10·8	13·6	17·0	17·1	17·0	16·9	15·5	14·9	15·2	15·7	16·0
13·3	11·0	10·9	14·0	17·1	17·1	17·0	16·9	15·4	14·9	15·3	15·8	16·0
13·1	11·0	11·0	14·4	17·2	17·1	17·0	16·7	15·3	14·9	15·2	15·7	16·0
12·9	10·8	11·1	14·6	17·2	17·0	17·0	16·3	15·2	15·0	15·3	15·6	15·9
12·6	10·8	11·6	14·9	17·2	17·0	17·0	16·1	15·1	15·0	15·4	15·7	16·0
12·1	10·5	11·9	15·1	17·3	17·0	17·0	16·0	15·1	15·0	15·6	15·8	15·9
12·0	10·5	12·0	15·4	17·4	17·0	16·9	16·0	15·1	14·9	15·7	15·9	16·0
11·9	10·5	12·2	15·9	17·5	17·0	16·9	16·0	15·1	15·0	15·7	15·9	16·0
11·8	10·6	12·8	16·1	17·6	17·0	17·0	15·9	15·1	15·0	15·8	15·9	16·0
11·1	10·6	12·9	16·3	17·4	17·0	17·0	15·9	15·1	15·1	15·8	16·0	16·0
11·1	10·7	13·1	16·6	17·3	17·0	16·9	15·8	15·0	15·2	15·8	16·0	16·0
11·0	10·8	13·1	16·9	17·2	17·0	16·9	15·7	15·0	15·2	15·8	16·0	15·9

HORIZONTAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah. = ·00028.												
57·0	58·7	59·9	61·2	61·4	59·9	57·5	55·9	55·0	55·1	54·8	55·0	55·3
57·1	58·8	60·0	61·4	61·4	59·5	57·2	55·9	55·0	55·1	54·7	55·1	55·4
57·2	58·8	60·0	61·5	61·2	59·4	57·1	55·9	55·0	55·1	54·2	55·2	55·4
57·2	58·8	60·1	61·6	61·1	59·1	57·0	55·3	55·0	55·1	54·7	55·2	55·5
57·6	58·8	60·0	61·9	61·1	58·9	56·8	55·2	55·0	55·1	54·5	55·3	55·6
57·8	58·9	60·1	61·8	61·0	58·3	56·7	55·2	54·9	55·2	54·6	55·5	55·6
57·9	59·0	60·2	61·6	60·7	58·1	56·5	55·2	54·9	55·1	54·5	55·4	55·7
57·9	59·2	60·7	61·5	60·5	58·1	56·1	55·2	54·9	55·0	54·6	55·4	55·6
58·0	59·4	60·8	61·3	60·3	58·1	56·0	55·2	54·9	55·0	54·6	55·4	55·5
58·0	59·6	60·9	61·2	60·1	58·0	56·1	55·1	55·0	55·1	54·4	55·3	55·5
58·1	59·8	61·0	61·2	60·1	57·7	55·9	55·1	55·1	54·9	54·5	55·3	55·5
58·2	59·8	61·0	61·2	60·1	57·5	55·8	55·1	55·0	54·9	54·8	55·3	55·5
68·0	68·0	68·2	68·3	68·8	69·0	69·9	70·2	70·4	70·2	70·0	70·0	69·6

VERTICAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah. =												
45·1	45·0	44·9	45·2	44·8	45·1	45·2	45·4	45·5	45·7	45·8	46·2	44·6
45·1	45·0	44·9	45·2	44·8	45·1	45·3	45·4	45·5	45·7	45·8	46·1	44·6
45·1	45·0	44·9	45·1	45·0	45·1	45·3	45·5	45·5	45·7	45·8	44·2	44·6
45·1	45·0	44·9	45·0	45·0	45·1	45·3	45·5	45·5	45·7	45·8	44·8	44·6
45·1	44·9	44·9	45·0	45·0	45·1	45·3	45·5	45·7	45·8	45·8	44·6	44·5
45·1	44·9	44·9	45·0	45·0	45·1	45·3	45·5	45·7	45·9	45·8	44·6	44·5
45·1	44·9	45·2	45·0	45·0	45·1	45·3	45·5	45·7	45·9	45·8	44·6	44·5
45·1	44·9	45·2	44·9	45·0	45·1	45·3	45·5	45·7	45·9	45·8	44·6	44·5
45·1	44·9	45·2	44·9	45·0	45·1	45·3	45·5	45·7	45·9	45·7	44·6	44·5
45·1	44·9	45·2	44·8	45·0	45·1	45·3	45·5	45·7	45·9	45·7	44·6	44·5
45·1	44·9	45·2	44·8	45·0	45·2	45·3	45·5	45·7	45·8	45·7	44·6	44·5
45·1	44·9	45·2	44·8	45·0	45·2	45·4	45·5	45·7	45·8	46·3	44·6	44·5
68·0	67·9	68·0	68·3	68·4	68·8	69·4	70·0	70·1	70·1	70·0	69·9	69·4

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.	°	°	°	lbs.					
19	22	0	28·269	63·8	60·0	S. 20 E.	0·00	1·0	Overcast; fair; cum.-strat.			
	23	0	28·278	64·5	59·8	S. 4 E.	—	1·0	Overcast; fair; cum.; strat.			
20	0	0	28·266	66·1	62·4	S. 24 E.	0·78	0·8	Fair; sun; cum.; strat.			
	1	0	28·242	67·2	61·8	S. 40 E.	—	0·6	Fine; sun; cirr.; cum.; strat.; blue sky in zenith and to [N. W.]			
	2	0	28·233	67·9	61·2	S. 36 E.	0·52	0·8	Fair; sun; cirr.; cum.; strat.			
	3	0	28·222	69·0	62·2	S. 32 E.	—	0·8	Fair; sun; cirr.; cum.; strat.			
	4	0	28·212	67·6	62·0	S. 30 E.	1·04	0·9	Cloudy; cirr.; cum.-strat.			
	5	0	28·208	66·7	61·9	S. 28 E.	—	0·8	Cloudy; cirr.; cum.-strat.			
	6	0	28·202	65·4	62·0	S. 12 E.	0·52	1·0	Overcast; wet; mist; cum.-strat.			
	7	0	28·214	64·2	60·7	S. 32 E.	—	1·0	Overcast; dull; strat.			
	8	0	28·214	63·7	59·7	S. 34 E.	0·52	0·6	Cloudy; stars dim; strat.			
	9	0	28·230	63·6	60·0	S. 38 E.	—	0·9	Cloudy; stars in patches; strat.			

MAGNETICAL OBSERVATIONS.												
May 26th and 27th.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.										
		DECLINATION.										
M.	S.	10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	14.8	15.4	15.3	15.8	15.2	15.2	14.9	14.9	15.9	17.1	19.0
5	0	14.9	15.2	15.3	15.8	15.3	15.1	14.9	14.9	16.0	17.3	19.2
10	0	15.0	15.1	15.3	15.8	15.5	15.1	14.9	15.0	16.0	17.7	19.2
15	0	15.1	15.0	15.3	15.5	15.3	15.2	14.9	15.0	16.0	17.9	19.2
20	0	15.6	14.9	15.6	15.4	15.5	15.2	14.9	15.0	16.1	18.0	19.0
25	0	15.9	14.9	15.7	15.4	15.6	15.2	14.6	15.0	16.2	18.2	19.0
30	0	16.0	14.9	15.6	15.3	15.6	15.1	14.7	15.1	16.3	18.5	19.0
35	0	16.0	14.9	15.1	15.3	15.7	15.0	14.7	15.2	16.5	18.8	19.0
40	0	16.0	15.0	15.2	15.2	15.5	14.9	14.7	15.3	16.8	18.9	19.0
45	0	16.0	15.0	15.2	15.2	15.5	15.0	14.8	15.8	17.0	19.0	19.0
50	0	16.0	15.0	15.3	15.2	15.5	15.0	14.9	15.9	17.0	19.0	18.9
55	0	15.9	15.1	15.8	15.2	15.4	14.9	14.9	15.9	17.0	19.0	18.8
M. S.		One Scale Division = .00019 parts of the H. F.										
		HORIZONTAL FORCE.										
2	0	57.8	58.8	59.3	57.1	55.3	57.9	59.2	60.9	62.0	62.4	63.8
7	0	59.3	59.1	59.0	56.8	55.3	58.3	59.6	61.1	62.0	62.9	63.8
12	0	60.2	59.8	58.6	56.4	55.4	58.5	59.9	61.1	62.2	62.9	63.9
17	0	60.2	59.9	58.9	56.1	55.6	58.8	59.9	61.2	62.2	62.9	64.0
22	0	60.2	60.1	59.5	55.9	56.3	58.8	59.8	61.2	62.2	62.9	64.0
27	0	60.2	60.2	59.3	55.8	56.4	58.9	59.8	61.5	62.1	62.9	64.2
32	0	60.2	60.0	59.1	55.8	56.5	58.7	59.9	61.7	62.1	63.0	64.8
37	0	59.9	59.8	58.1	55.8	57.1	58.9	60.0	61.6	62.1	63.0	64.8
42	0	59.3	59.6	57.8	55.9	57.2	59.0	60.1	61.8	62.1	63.1	64.9
47	0	59.2	59.2	57.7	55.6	57.3	59.2	60.2	61.9	62.5	63.1	65.8
52	0	58.9	59.2	57.2	55.3	57.5	59.3	60.7	61.9	62.5	63.2	66.0
57	0	58.7	59.5	57.2	55.2	57.8	59.2	60.9	62.0	62.4	63.6	66.0
Thermometer		63.7	63.6	63.4	63.1	63.0	62.9	62.9	63.0	62.9	62.9	62.9
M. S.		One Scale Division = .00085 parts of the V. F.										
		VERTICAL FORCE.										
3	0	35.4	35.4	35.4	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4
8	0	35.4	35.4	35.4	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4
13	0	35.4	35.7	35.4	35.3	35.3	35.3	35.4	35.4	35.7	35.4	35.4
18	0	35.4	35.7	35.4	35.3	35.3	35.3	35.4	35.4	35.7	35.4	35.8
23	0	35.4	35.7	35.4	35.3	35.3	35.3	35.4	35.4	35.7	35.4	35.8
28	0	35.4	35.7	35.5	35.3	35.3	35.3	35.4	35.4	35.7	35.4	35.8
33	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
38	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
43	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
48	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
53	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
58	0	35.4	35.6	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6
Thermometer		63.7	63.5	63.2	63.2	63.2	63.1	63.1	63.0	63.0	63.0	62.9
Increasing Numbers denote decreasing westerly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°	°	lbs.					
26	10	0	28.343	60.4	57.6	S. 52 E.	0.52	1.0	Overcast; dark; strat.			
	11	0	28.333	59.9	55.4	S. 48 E.	—	1.0	Overcast; dark; strat.			
	12	0	28.330	59.6	54.9	S. 54 E.	0.26	0.1	Clear; stars bright; strat. in N.			
	13	0	28.319	59.3	55.3	S. 53 E.	—	0.1	Stars bright; strat. in N.E. horizon.			
	14	0	28.317	60.0	58.2	S. 38 E.	0.26	1.0	Overcast; rain.			
	15	0	28.302	59.5	57.9	S. 48 E.	—	1.0	Overcast; dark; rain.			
	16	0	28.288	59.6	57.3	S. 49 E.	0.52	1.0	Overcast; showery; strat.			
	17	0	28.283	59.4	55.6	S. 51 E.	—	1.0	Overcast; a few drops of rain; strat.			
	18	0	28.284	59.4	55.6	S. 33 E.	0.26	1.0	Overcast; dark; strat.			
	19	0	28.294	59.0	56.8	S. 40 E.	—	1.0	Overcast; dull; strat.			
	20	0	28.312	59.2	55.4	S. 44 E.	0.26	1.0	Overcast; cum.; strat.			
	21	0	28.314	60.2	55.7	S. 53 E.	—	1.0	Overcast; cum.; strat.			

MAGNETICAL OBSERVATIONS.													May 26th and 27th.	
DECLINATION.											Angular Value of one Scale Division = 0'.711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
18.8	17.0	15.0	14.6	13.5	13.0	13.3	14.3	14.6	13.5	13.0	13.9	13.8		
18.7	16.8	14.9	14.6	13.4	13.0	13.6	14.3	14.4	13.3	13.0	13.9	14.0		
18.6	16.6	15.0	14.3	13.3	13.0	13.8	14.4	14.3	13.3	13.1	13.9	14.0		
18.6	16.7	15.1	14.3	13.3	13.0	13.9	14.7	14.2	13.3	13.1	13.9	14.0		
18.3	16.2	15.1	14.1	13.3	13.0	13.9	14.7	14.0	13.3	13.3	14.0	14.0		
18.3	15.1	15.1	14.1	13.3	13.0	14.0	14.8	14.0	13.3	13.4	14.0	14.0		
18.2	15.1	15.0	14.1	13.2	13.0	13.9	14.8	13.9	13.0	13.4	13.9	14.0		
18.2	15.1	15.0	14.0	13.0	13.0	13.9	14.8	13.8	13.0	13.7	13.9	14.0		
18.0	15.1	14.9	14.0	13.0	13.1	14.0	14.7	13.7	13.0	13.7	13.9	14.0		
17.9	15.1	14.8	13.9	13.0	13.1	14.0	14.7	13.7	13.0	13.7	13.9	14.0		
17.6	15.1	14.7	13.8	13.0	13.1	14.0	14.7	13.7	13.0	13.8	13.8	14.0		
16.5	15.1	14.7	13.7	13.0	13.1	14.1	14.7	13.5	13.0	13.9	13.8	14.0		
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.	
66.6	68.0	67.1	66.2	64.9	63.1	61.9	60.6	59.0	58.3	57.2	56.4	57.2		
66.9	68.0	66.6	66.2	64.8	63.1	61.1	60.6	58.9	58.2	56.9	56.9	57.1		
67.0	68.4	67.0	66.2	64.3	63.0	61.1	60.2	58.8	58.2	56.8	57.1	57.1		
67.2	68.8	67.3	66.2	64.3	62.8	61.1	60.0	58.7	58.0	56.8	56.9	57.1		
67.8	67.2	67.4	66.0	64.2	62.2	61.1	59.9	58.6	57.8	56.8	56.8	57.1		
68.0	66.2	67.4	66.0	64.0	62.0	61.0	59.6	58.2	57.4	56.7	56.5	57.0		
68.2	66.0	67.5	66.0	64.0	62.0	60.3	59.2	58.0	57.2	56.7	56.7	57.0		
68.3	66.7	67.6	65.9	63.3	62.0	60.1	59.2	57.9	57.2	56.5	56.7	56.9		
68.5	66.9	67.0	65.9	63.5	62.0	60.1	59.1	58.4	57.3	56.5	56.7	56.9		
68.7	67.0	66.8	65.6	63.4	61.9	60.0	59.0	58.7	57.4	56.5	56.8	56.9		
67.0	67.0	66.5	65.2	63.3	61.7	60.2	59.0	58.6	57.4	56.5	56.9	56.8		
67.0	67.1	66.4	65.0	63.3	61.3	60.9	59.0	58.3	57.4	56.3	57.0	56.7		
62.8	62.9	63.0	63.1	63.6	63.8	64.2	64.7	65.0	64.3	65.0	65.0	64.8		
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = .	
35.6	35.6	34.5	34.8	35.0	35.2	35.4	35.7	35.7	35.9	35.8	35.9	35.9		
35.6	35.5	34.6	34.8	35.1	35.2	35.4	35.7	35.7	35.9	35.8	35.9	35.9		
35.6	35.4	34.6	34.8	35.1	35.2	35.4	35.7	35.7	35.9	35.8	35.9	35.9		
35.6	35.4	34.6	34.8	35.1	35.2	35.4	35.7	35.8	35.9	35.9	35.9	35.9		
35.6	34.7	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.3	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.4	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.4	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.4	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.4	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.4	34.7	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.5	34.8	35.0	35.1	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.5	34.8	35.0	35.2	35.2	35.7	35.7	35.9	35.9	35.9	35.9	35.9		
35.6	34.5	34.8	35.0	35.2	35.2	35.7	35.7	35.9	35.8	35.9	35.9	35.7		
62.8	62.9	63.0	63.1	63.4	63.7	64.2	64.6	65.0	64.3	65.2	65.0	64.8		
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.	°	°	°	lbs.							
26	22	0	28.329	61.8	58.2	S. 53 E.	0.26	1.0	Overcast; cum.; strat.					
	23	0	28.330	61.5	58.0	S. 38 E.	—	1.0	Overcast; light rain; nimb. strat.					
27	0	0	28.317	62.3	59.8	S. 37 E.	0.00	1.0	Overcast; cum.; strat.					
	1	0	28.303	60.7	59.3	S. 54 E.	—	1.0	Overcast; showery; strat.					
	2	0	28.287	62.6	60.0	S. 53 E.	0.00	0.9	Cloudy; cum.-strat.					
	3	0	28.271	63.5	60.2	S. 54 E.	—	1.0	Overcast; cum.-strat.					
	4	0	28.266	64.1	60.3	S. 56 E.	0.00	0.9	Fair; cirr.; cum.-strat.					
	5	0	28.259	62.6	59.0	S. 56 E.	—	0.9	Fair; cirr.; cum.; strat.					
	6	0	28.267	60.6	58.9	S. 54 E.	0.00	0.9	Cum.; strat.					
	7	0	28.277	59.6	57.9	S. 55 E.	—	1.0	Overcast; strat.					
	8	0	28.278	59.0	57.3	S. 55 E.	0.00	0.9	Dark; clear in zenith; strat.					
	9	0	28.287	59.0	56.8	S. 56 E.	—	0.3	Fair; strat. cum.					

June 21st and 22nd.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = $0'.711$ .					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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		13.8	13.1	13.7	13.7	13.8	14.1	14.2	14.7	14.8	15.3	17.3
5	0		13.8	13.2	13.6	13.7	13.8	14.1	14.1	14.8	14.8	15.4	17.3
10	0		13.8	13.2	13.5	13.8	13.8	14.1	14.1	14.8	14.8	15.7	17.3
15	0		13.8	13.2	13.5	13.8	13.8	14.2	14.1	14.8	14.8	15.8	17.3
20	0		13.6	13.2	13.7	13.8	13.9	14.3	14.2	14.9	14.9	15.9	17.4
25	0		13.5	13.2	13.7	13.8	14.0	14.3	14.2	14.9	14.9	16.0	17.4
30	0		13.3	13.2	13.7	13.8	14.0	14.5	14.2	14.9	15.0	16.1	17.0
35	0		13.3	13.2	13.7	13.8	14.1	14.7	14.2	14.9	15.0	16.3	17.0
40	0		13.2	13.2	13.7	13.8	14.2	14.8	14.2	14.9	15.1	16.8	17.0
45	0		13.2	13.4	13.7	13.8	14.2	14.5	14.5	14.9	15.2	16.9	17.0
50	0		13.2	13.5	13.7	13.8	14.2	14.3	14.5	14.9	15.2	17.0	17.0
55	0		13.1	13.6	13.7	13.8	14.1	14.2	14.6	14.9	15.3	17.0	16.8
			One Scale Division = $.00019$ parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		62.9	62.1	61.8	61.6	61.5	63.1	63.2	63.0	63.5	63.9	64.6
7	0		62.8	62.0	61.8	61.4	61.6	63.1	63.2	63.0	63.5	63.9	64.7
12	0		62.7	61.9	61.8	61.5	61.6	63.1	63.1	63.0	63.5	63.9	64.8
17	0		62.6	61.8	61.7	61.5	61.7	63.1	63.1	63.1	63.7	64.0	65.0
22	0		62.5	61.7	61.7	61.5	61.9	63.1	63.1	63.1	63.7	64.0	65.2
27	0		62.5	61.6	61.6	61.6	62.1	63.1	63.1	63.4	63.8	64.0	65.4
32	0		62.4	61.7	61.6	61.5	62.1	63.1	63.1	63.2	63.8	64.0	65.6
37	0		62.3	61.6	61.6	61.6	62.8	63.1	63.0	63.2	63.8	64.0	65.9
42	0		62.4	61.6	61.6	61.4	63.0	63.2	63.0	63.2	63.9	64.1	66.1
47	0		62.7	61.6	61.6	61.4	63.0	63.2	63.0	63.2	63.9	64.2	66.3
52	0		62.2	61.5	61.6	61.4	63.1	63.2	63.0	63.2	63.9	64.2	66.4
57	0		62.1	61.5	61.6	61.4	63.1	63.2	63.0	63.2	63.9	64.4	66.6
Thermometer			61.0	61.1	61.2	61.2	61.2	61.1	61.1	61.1	61.0	61.0	61.1
			One Scale Division = $.00085$ parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		49.7	49.8	50.2	50.3	49.6	49.8	49.9	50.1	50.3	50.1	49.9
8	0		49.8	49.8	50.2	50.2	49.6	50.2	50.4	50.8	50.3	49.6	49.9
13	0		49.8	49.8	50.2	50.2	49.6	50.2	50.3	50.8	50.3	49.6	49.9
18	0		49.8	49.8	50.1	50.1	49.7	50.2	50.3	50.3	50.3	49.6	49.9
23	0		49.8	49.9	50.1	50.1	49.7	50.2	50.3	50.3	50.3	49.6	49.9
28	0		49.8	49.9	50.1	49.9	49.7	50.2	50.3	50.3	50.3	49.6	50.0
33	0		49.8	49.9	50.1	49.9	49.7	50.2	50.3	50.3	50.3	49.6	48.2
38	0		49.8	49.9	50.1	49.9	49.7	50.2	50.0	50.3	50.3	49.6	48.5
43	0		49.8	49.9	50.1	49.9	49.8	50.2	50.0	50.3	50.3	49.6	48.8
48	0		49.8	49.9	50.1	50.0	49.8	50.2	50.1	50.3	50.3	49.6	48.8
53	0		49.8	49.9	50.1	49.9	49.8	50.2	50.1	50.3	50.1	49.6	48.8
58	0		49.8	50.1	50.3	49.9	49.8	49.9	50.1	50.3	50.1	49.6	49.3
Thermometer			61.0	61.1	61.3	61.4	61.4	61.3	61.3	61.3	61.3	61.2	61.2
Increasing Numbers denote decreasing westerly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°	°	lbs.						
21	10	0	28.365	58.0	54.4	S. 52 E.	1.04	1.0	Overcast; dark; strat.				
	11	0	28.371	57.6	55.1	S. 57 E.	—	1.0	Overcast; rain; nimb. strat.				
	12	0	28.365	57.5	55.1	S. 51 E.	1.04	1.0	Overcast; light rain.				
	13	0	28.354	57.7	55.6	S. 52 E.	—	1.0	Overcast; very dark.				
	14	0	28.342	57.2	55.0	S. 53 E.	0.52	1.0	Overcast; dark; strat.				
	15	0	28.324	57.4	53.2	S. 47 E.	—	1.0	Overcast; dark; strat.				
	16	0	28.305	57.4	53.6	S. 53 E.	0.26	1.0	Overcast; strat.				
	17	0	28.301	57.4	55.4	S. 55 E.	—	1.0	Overcast; strat.				
	18	0	28.303	57.2	53.6	S. 48 E.	0.78	1.0	Overcast; strat.				
	19	0	28.315	57.6	54.8	S. 54 E.	—	1.0	Overcast; strat.				
	20	0	28.327	57.4	54.9	S. 54 E.	0.52	1.0	Overcast; drizzling rain; nimb. strat.				
	21	0	28.351	57.7	56.2	S. 51 E.	—	1.0	Overcast; light rain; nimb. strat.				

MAGNETICAL OBSERVATIONS.													June 21st and 22nd.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
16.8	14.0	12.2	12.1	13.8	14.0	13.2	13.2	13.6	12.8	12.6	13.0	13.2		
16.7	13.9	12.1	12.3	13.8	14.0	13.2	13.3	13.5	12.7	12.7	13.0	13.2		
16.6	13.8	12.0	12.5	13.9	14.0	13.1	13.5	13.3	12.7	12.8	13.0	13.2		
16.3	13.5	12.0	12.7	13.9	14.0	13.0	13.6	13.2	12.6	12.9	13.0	13.2		
16.2	13.2	12.0	12.9	13.9	14.0	13.0	13.6	13.1	12.5	12.9	13.0	13.2		
16.2	13.0	12.0	13.0	13.9	13.9	13.0	13.6	13.0	12.4	12.9	13.0	13.2		
16.0	13.0	12.0	13.0	14.0	13.9	13.0	13.7	13.1	12.4	12.9	13.0	13.2		
15.6	12.9	12.0	13.0	14.0	13.9	13.0	13.9	13.0	12.4	13.0	13.0	13.2		
15.1	12.8	12.0	13.1	14.0	13.8	13.0	13.9	13.0	12.5	13.0	13.0	13.2		
14.9	12.7	12.0	13.2	14.0	13.6	13.0	14.0	13.0	12.6	13.0	13.0	13.2		
14.7	12.4	12.0	13.5	14.0	13.5	13.0	13.8	12.9	12.6	13.0	13.0	13.2		
14.3	12.2	12.1	13.6	14.0	13.3	13.1	13.7	12.9	12.6	13.0	13.0	13.3		
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .00028.	
66.8	68.2	69.5	70.0	70.0	69.4	67.4	66.7	65.6	65.0	64.0	63.8	63.2		
66.9	68.2	69.6	70.0	70.0	69.2	67.2	66.5	65.6	65.0	64.0	63.8	63.2		
67.0	68.4	69.8	70.0	70.0	69.1	67.2	66.3	65.5	64.9	64.0	63.8	63.2		
67.1	68.7	69.8	70.0	70.1	68.9	67.1	66.3	65.4	64.8	64.0	63.4	63.2		
67.2	68.9	69.7	70.1	70.1	68.8	67.0	66.3	65.5	64.8	63.9	63.2	63.2		
67.3	69.0	69.9	70.1	70.1	68.7	67.0	66.2	65.3	64.8	63.9	63.2	63.2		
67.3	69.1	69.9	70.1	70.1	68.4	67.0	66.1	65.2	64.6	63.9	63.4	63.2		
67.4	69.2	70.0	70.1	70.1	68.2	67.0	66.1	65.1	64.4	63.8	63.4	63.2		
67.6	69.3	70.0	70.2	70.0	68.0	67.0	66.0	65.1	64.3	63.8	63.3	63.2		
67.9	69.4	70.0	70.2	69.9	67.9	66.9	66.0	65.1	64.3	63.8	63.3	63.2		
68.0	69.4	69.9	70.1	69.9	67.8	66.8	65.9	65.1	64.1	63.8	63.3	63.2		
68.1	69.5	69.9	70.1	69.9	67.7	66.8	65.9	65.1	64.1	63.8	63.3	63.2		
61.1	60.9	60.9	60.9	61.0	61.2	61.7	61.8	61.9	61.9	61.9	61.9	61.8		
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .	
49.3	50.5	50.2	50.8	50.4	50.3	49.5	49.5	49.9	49.6	49.6	49.6	50.4		
49.3	50.5	50.4	50.8	50.4	50.3	49.5	49.9	49.9	49.6	49.5	50.2	50.8		
49.9	50.5	50.4	50.8	50.4	50.0	49.5	49.9	50.0	49.6	49.6	50.2	50.8		
49.9	50.2	50.4	50.6	49.9	50.0	49.5	49.9	50.0	49.6	49.6	50.7	50.8		
49.9	50.2	50.4	50.6	50.0	50.0	49.5	50.0	49.9	49.6	49.6	50.4	50.8		
49.9	50.2	50.5	50.6	50.2	50.0	49.5	50.0	49.9	49.6	49.6	50.4	50.8		
49.9	50.2	50.5	50.6	50.2	50.0	49.5	50.0	49.9	49.6	49.5	50.4	50.8		
50.7	50.2	50.5	50.4	50.2	50.0	49.5	50.0	49.9	49.6	49.5	50.4	50.6		
50.9	50.2	50.5	50.4	50.2	50.0	49.5	50.0	49.8	49.6	49.5	50.4	50.6		
50.9	50.2	50.5	50.4	50.2	50.0	49.5	50.0	49.7	49.6	49.5	50.4	50.6		
50.5	50.2	50.5	50.4	50.3	49.5	49.5	49.9	49.7	49.6	49.5	50.4	50.6		
50.5	50.2	50.5	50.4	50.3	49.5	49.5	49.9	49.7	49.4	49.5	50.4	50.6		
61.3	61.2	61.0	61.0	61.2	61.2	61.5	61.8	61.9	61.8	61.9	62.0	62.0		

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.	°	°	°	lbs.					
21	22	0	28.369	58.4	56.8	S. 47 E.	1.04	1.0	Overcast; strat.			
	23	0	28.377	59.2	56.0	S. 56 E.	—	1.0	Overcast; hazy; strat.			
22	0	0	28.360	58.4	56.9	S. 56 E.	1.30	1.0	Overcast; showery; strat.			
	1	0	28.349	59.0	57.0	S. 48 E.	—	1.0	Overcast; dull; strat.			
	2	0	28.322	60.3	57.7	S. 53 E.	0.78	1.0	Overcast; cum.-strat.			
	3	0	28.303	60.6	57.6	S. 47 E.	—	1.0	Overcast; fair; cum.; strat.			
	4	0	28.307	58.9	57.3	S. 54 E.	0.52	1.0	Overcast; rain; nimb. strat.			
	5	0	28.313	58.8	56.5	S. 46 E.	—	0.9	Fair; cum.; strat.			
	6	0	28.339	58.0	56.0	S. 52 E.	0.26	1.0	Overcast; cum.-strat.			
	7	0	28.344	57.3	55.7	S. 55 E.	—	1.0	Overcast; hazy; strat.			
	8	0	28.353	57.4	56.2	S. 40 E.	0.52	1.0	Overcast; a few dim stars; strat.			
	9	0	28.365	57.1	55.7	S. 36 E.	—	1.0	Overcast; dark; strat.			



July 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0 <sup>h</sup> 711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		10.3	10.1	9.9	10.2	10.2	10.0	10.0	9.5	9.9	10.6	10.5
5	0		10.3	10.1	9.9	10.3	10.1	10.0	10.0	9.5	9.9	10.6	11.5
10	0		10.2	10.1	9.9	10.3	10.1	10.0	10.0	9.5	9.8	10.7	11.5
15	0		10.1	10.1	9.9	10.3	10.1	10.0	10.0	9.8	9.9	10.7	11.5
20	0		10.1	10.0	10.0	10.3	10.1	10.0	9.9	9.8	9.9	10.7	11.5
25	0		10.1	10.0	10.0	10.3	10.1	10.0	9.8	9.7	10.0	10.8	11.3
30	0		10.1	10.0	10.1	10.3	10.0	10.0	9.8	9.7	10.0	10.9	11.1
35	0		10.0	10.0	10.1	10.3	10.0	10.0	9.8	9.7	10.1	10.9	11.1
40	0		10.0	9.9	10.1	10.3	10.0	10.0	9.7	9.8	10.2	10.9	11.0
45	0		10.1	9.9	10.2	10.2	10.0	10.0	9.7	9.8	10.2	10.1	11.0
50	0		10.1	9.9	10.2	10.2	10.0	10.0	9.6	9.9	10.4	10.2	10.9
55	0		10.1	9.9	10.2	10.2	10.0	10.0	9.6	9.9	10.5	10.3	10.5
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
2	0		59.8	60.3	59.4	60.4	60.9	60.2	60.1	60.1	60.2	60.8	61.4
7	0		59.8	60.5	59.4	60.4	60.8	60.2	60.2	60.1	60.2	60.8	61.5
12	0		59.9	60.5	60.2	60.4	60.9	60.4	60.3	60.2	60.3	60.9	61.6
17	0		59.9	60.5	60.2	60.4	60.9	60.2	60.3	60.2	60.4	61.0	61.8
22	0		60.0	60.5	59.9	60.5	60.9	60.2	60.3	60.2	60.6	61.0	61.9
27	0		60.0	60.4	60.0	60.5	60.9	60.2	60.4	60.2	60.6	61.1	61.9
32	0		60.0	60.2	60.0	60.6	60.8	60.1	60.3	60.3	60.7	61.2	61.9
37	0		60.0	60.2	60.1	60.6	60.7	60.1	60.2	60.2	60.6	61.2	61.9
42	0		60.0	60.2	60.1	60.6	60.7	60.1	60.2	60.2	60.6	61.3	62.0
47	0		60.0	60.2	60.1	60.5	60.6	60.2	60.1	60.1	60.7	61.2	62.1
52	0		60.1	60.1	60.2	60.5	60.3	60.1	60.0	60.1	60.7	61.2	62.2
57	0		60.2	60.1	60.3	60.7	60.2	60.1	60.1	60.0	60.8	61.4	62.2
Thermometer			62.0	62.0	62.0	61.9	61.8	61.8	61.8	61.8	61.6	61.6	61.5
M. S.			One Scale Division = 00085 parts of the V. F.					VERTICAL FORCE.					
3	0		48.3	48.6	48.9	48.3	48.0	48.2	48.2	48.0	45.9	45.9	46.0
8	0		48.5	48.6	48.9	48.3	48.0	48.2	48.0	46.3	46.3	46.0	46.0
13	0		48.6	48.6	48.9	48.2	48.0	48.2	48.4	46.1	46.4	45.9	46.0
18	0		48.6	48.6	48.8	48.2	47.9	48.2	48.4	46.2	46.2	45.9	46.1
23	0		48.6	48.5	48.8	48.2	47.9	48.2	48.0	46.2	46.2	45.9	46.1
28	0		48.6	48.5	48.8	48.2	47.9	48.2	48.0	46.2	46.2	45.9	46.1
33	0		48.6	48.4	48.8	48.2	47.9	48.2	48.0	46.2	46.2	45.9	46.1
38	0		48.6	48.4	48.8	48.0	47.9	48.2	48.0	46.2	46.2	45.9	46.1
43	0		48.6	48.4	48.4	47.9	47.9	48.2	48.0	45.8	45.9	45.9	46.2
48	0		48.6	48.4	48.4	48.0	47.9	48.2	48.0	45.8	45.9	45.9	46.2
53	0		48.6	48.3	48.3	48.0	47.9	48.2	48.0	45.8	45.9	45.9	46.2
58	0		48.6	48.3	48.3	48.0	47.9	48.2	48.0	45.8	45.9	45.9	46.2
Thermometer			62.0	62.0	62.0	62.1	62.0	61.8	61.8	61.7	61.6	61.6	61.5
Increasing Numbers denote decreasing westerly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.				lbs.						
19	10	0	28.328	57.3	55.0	—	1.04	0.0	Bright starlight; wind fresh.				
	11	0	28.339	56.8	54.5	—	—	0.0	Clear; bright starlight.				
	12	0	28.332	56.8	54.8	—	1.04	0.0	Bright starlight.				
	13	0	28.323	56.8	55.1	—	—	0.3	Stars bright; light cum.				
	14	0	28.324	56.9	55.2	—	1.04	0.4	Fair; cum.				
	15	0	28.311	57.1	55.3	—	—	0.7	Fair; strat.; cum.				
	16	0	28.309	57.0	55.2	—	1.04	0.7	Fair; cum.				
	17	0	28.312	57.4	56.0	—	—	0.9	Cum.				
	18	0	28.316	57.2	55.6	—	0.78	0.4	Fine; cum.				
	19	0	28.337	57.3	55.8	—	—	0.7	Blue sky in N.; strat.; cum.				
	20	0	28.344	57.8	56.4	—	1.04	0.9	Nearly overcast; light rain; nimb.; strat.				
	21	0	28.360	58.4	57.7	—	—	1.0	Overcast; showery; strat.				

MAGNETICAL OBSERVATIONS.													July 19th and 20th.	
DECLINATION.											Angular Value of one Scale Division = 0'.711.			
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
10.4	8.0	8.1	10.2	12.1	12.0	11.4	11.1	10.1	9.1	9.0	9.6	9.8		
10.1	8.0	8.5	10.3	12.2	12.1	11.3	11.1	10.0	9.1	9.0	9.6	9.8		
10.0	8.0	8.8	10.8	12.3	12.0	11.2	11.1	9.9	9.1	9.0	9.6	9.9		
9.9	8.0	8.9	11.0	12.3	12.1	11.3	11.1	9.9	9.1	9.2	9.6	9.9		
9.7	7.9	9.0	11.1	12.3	12.1	11.2	11.0	9.7	9.0	9.2	9.5	9.9		
9.4	7.9	9.0	11.2	12.3	12.1	11.2	10.9	9.5	9.0	9.2	9.5	10.0		
9.0	7.9	9.1	11.7	12.3	12.1	11.2	10.8	9.4	9.0	9.3	9.5	9.9		
9.0	7.9	9.2	11.8	12.2	12.1	11.3	10.8	9.3	9.0	9.3	9.5	10.0		
8.9	7.9	9.6	11.9	12.1	12.0	11.3	10.5	9.1	9.0	9.5	9.6	10.0		
8.5	8.0	9.8	12.0	12.0	11.9	11.2	10.4	9.1	9.1	9.5	9.8	10.0		
8.3	8.0	10.0	12.0	12.0	11.8	11.2	10.2	9.1	9.1	9.5	9.9	10.0		
8.1	8.0	10.0	12.1	12.0	11.7	11.2	10.1	9.1	9.1	9.6	9.8	10.0		
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .00028.	
62.3	64.5	65.6	65.3	64.7	64.1	62.4	61.2	61.0	61.1	61.0	60.5	60.7		
62.6	64.9	65.5	65.4	64.3	64.0	62.1	61.2	61.0	61.1	61.0	60.5	60.6		
62.8	64.9	65.8	65.3	64.2	64.0	62.0	61.2	61.0	61.1	61.0	60.5	60.6		
62.8	65.0	65.9	65.3	64.2	63.9	62.0	61.1	61.1	61.1	60.9	60.5	60.6		
63.0	65.0	65.9	65.4	64.1	63.8	61.9	61.1	61.1	61.1	60.9	60.7	60.6		
63.2	65.1	65.9	65.4	64.1	63.7	61.8	61.0	61.1	61.1	60.8	60.7	60.6		
63.4	65.1	65.8	65.4	64.0	63.5	61.6	60.9	61.1	61.1	60.8	60.5	60.6		
63.8	65.1	65.8	65.2	64.1	63.2	61.4	60.9	61.1	61.1	60.8	60.4	60.5		
63.9	65.2	65.3	65.1	64.1	63.1	61.2	60.9	61.1	61.1	60.8	60.4	60.5		
64.0	65.4	65.1	65.0	64.0	63.0	61.2	60.9	61.1	61.0	60.8	60.5	60.6		
64.1	65.5	65.1	65.0	64.0	62.9	61.2	60.9	61.1	61.0	60.8	60.5	60.6		
64.2	65.5	65.1	64.8	64.0	62.8	61.2	61.0	61.1	61.0	60.7	60.6	60.6		
61.4	61.6	61.6	61.5	61.6	61.6	61.8	61.7	61.7	61.7	61.7	61.6	61.5		
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. =	
46.2	46.5	46.6	46.3	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	45.9		
46.2	46.5	46.6	46.3	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	45.9		
46.4	46.5	46.6	46.2	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	45.9		
46.4	46.6	46.6	46.2	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	47.5		
46.4	46.6	46.6	46.2	46.0	45.9	46.0	45.7	45.5	45.5	45.9	45.9	47.4		
46.4	46.6	46.6	46.2	45.8	45.9	46.0	45.7	45.5	45.5	45.9	45.9	47.4		
46.4	46.5	46.6	46.2	45.8	46.0	46.0	45.7	45.4	45.4	45.9	45.9	47.4		
46.4	46.6	46.4	46.0	45.8	46.0	45.8	45.7	45.5	45.4	45.9	45.9	47.4		
46.4	46.6	46.4	46.0	45.8	46.0	45.7	45.7	45.5	45.4	45.9	45.9	47.5		
46.5	46.6	46.4	46.0	45.8	46.0	45.7	45.3	45.5	45.4	45.9	45.9	47.5		
46.5	46.6	46.4	46.0	45.8	46.0	45.7	45.3	45.5	45.4	45.9	45.9	47.5		
46.5	46.6	46.4	46.0	45.8	46.0	45.7	45.5	45.5	45.5	45.9	45.9	47.5		
61.4	61.6	61.6	61.5	61.5	61.7	61.8	61.6	61.6	61.7	61.7	61.6	61.6		
and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.	Force.							
D.	H.	M.	In.	°	°		lbs.							
19	22	0	28.381	58.6	57.7	—	0.52	1.0	Overcast; mist; cum.; strat.					
	23	0	28.376	58.7	58.0	—	—	1.0	Overcast; mist; strat.					
20	0	0	28.354	58.4	57.6	—	1.82	1.0	Overcast; wind in gusts; rain.					
	1	0	28.340	59.4	58.7	—	—	1.0	Overcast; showery; strat.					
	2	0	28.338	59.4	58.2	—	—	1.0	Overcast; showery; strat.					
	3	0	28.331	58.7	57.7	—	—	1.0	Showery; dull; strat.					
	4	0	28.326	58.2	57.4	—	1.30	1.0	Overcast; rain; nimb.; strat.					
	5	0	28.332	57.8	57.0	—	—	1.0	Overcast; showery; strat.					
	6	0	28.338	57.4	56.2	—	1.82	1.0	Overcast; dull; strat.					
	7	0	28.348	57.0	55.6	—	—	1.0	Cum. strat.; overcast.					
	8	0	28.354	57.2	55.7	—	2.08	0.9	Overcast; strat.					
	9	0	28.362	56.9	55.2	—	—	1.0	Overcast; dark; strat.; wind high.					

August 25th and 26th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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		9.8	10.0	10.2	10.1	10.2	11.2	11.1	10.8	11.9	13.8	13.9
5	0		9.9	10.0	10.1	10.1	10.2	11.0	11.2	10.8	12.0	13.9	13.9
10	0		10.0	10.1	10.1	10.1	10.2	10.9	11.2	11.0	11.9	14.1	13.9
15	0		10.0	10.0	10.1	10.1	10.3	10.9	11.0	11.1	11.9	14.4	13.6
20	0		10.0	10.0	10.1	10.1	10.3	10.9	11.0	11.2	11.9	14.5	13.2
25	0		10.0	10.0	10.1	10.1	10.3	11.0	11.1	11.3	11.9	14.9	13.0
30	0		10.0	10.0	10.1	10.1	10.3	11.0	11.1	11.3	12.2	14.9	13.0
35	0		10.0	10.0	10.1	10.1	10.5	11.0	11.0	11.4	12.8	14.9	13.0
40	0		10.0	10.0	10.1	10.1	10.9	11.0	10.9	11.5	13.0	14.8	13.1
45	0		10.0	10.0	10.1	10.2	11.0	11.3	10.8	11.6	13.1	14.7	13.0
50	0		10.0	10.0	10.1	10.2	11.1	11.3	10.7	11.8	13.2	14.1	13.0
55	0		10.0	10.0	10.1	10.2	11.2	11.1	10.7	11.9	13.5	14.1	13.0
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		77.1	78.1	78.4	78.7	79.2	81.2	81.7	80.2	80.0	80.5	80.9
7	0		77.6	78.1	78.2	78.7	79.2	81.2	81.5	80.1	80.0	80.5	80.9
12	0		77.8	78.1	77.9	79.1	79.0	81.2	81.5	80.1	80.0	80.5	81.0
17	0		77.8	78.0	77.9	79.4	79.0	81.2	81.4	80.2	80.1	80.5	81.1
22	0		77.2	77.9	78.1	79.4	79.0	81.0	81.3	80.0	80.1	80.5	81.2
27	0		77.4	77.9	78.3	79.6	79.0	81.2	81.1	80.0	80.2	80.5	81.5
32	0		77.0	78.0	78.6	79.6	79.1	81.8	81.0	79.9	80.2	80.6	81.3
37	0		77.0	78.0	78.6	79.5	79.2	81.5	80.8	79.8	80.3	80.6	81.7
42	0		77.1	78.1	78.5	79.4	80.0	81.8	80.5	79.9	80.5	80.6	81.8
47	0		77.8	78.1	78.4	79.4	80.2	81.8	80.2	79.9	80.5	80.6	81.9
52	0		77.9	78.1	78.3	79.3	80.6	81.7	80.2	80.0	80.7	80.6	82.0
57	0		77.9	78.2	78.5	79.2	81.0	81.8	80.1	80.0	80.6	80.6	82.1
Thermometer			62.1	62.0	61.9	61.7	61.6	61.6	61.4	61.2	61.0	61.0	61.0
			One Scale Division = .00085 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		43.3	43.1	43.2	42.8	42.8	42.8	42.7	42.7	42.5	42.6	42.3
8	0		43.4	43.1	43.1	42.8	42.8	42.8	42.7	42.7	42.6	42.6	42.3
13	0		43.2	43.1	43.0	42.8	42.8	42.8	42.7	42.7	42.6	42.6	42.3
18	0		43.2	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.6	42.3
23	0		43.2	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.6	42.0
28	0		43.2	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.4	42.0
33	0		43.2	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.4	42.0
38	0		43.1	42.9	42.9	42.8	42.8	42.8	42.7	42.6	42.6	42.4	42.0
43	0		43.1	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.3	42.0
48	0		43.1	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.6	42.3	42.0
53	0		43.1	42.9	42.8	42.8	42.8	42.8	42.7	42.7	42.6	42.3	42.0
58	0		43.1	42.5	42.8	42.8	42.8	42.8	42.7	42.7	42.6	42.3	42.0
Thermometer			62.3	62.1	62.0	61.8	61.8	61.7	61.4	61.3	61.2	61.2	61.2
Increasing Numbers denote decreasing westerly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°		lbs.						
25	10	0	28.391	56.0	53.4	—	0.26	0.0	Stars very bright.				
	11	0	28.401	56.7	54.2	—	—	0.4	Fair; strat.				
	12	0	28.393	56.1	54.1	—	0.26	0.2	Stars bright; cum.				
	13	0	28.384	56.3	54.5	—	—	0.2	Stars bright; cum.				
	14	0	28.372	56.0	54.2	—	0.26	0.5	Stars bright; cum.				
	15	0	28.354	55.8	54.8	—	—	0.5	Stars bright; cum.				
	16	0	28.349	55.6	53.5	—	0.26	0.6	Fair; stars bright; cum.; strat.				
	17	0	28.351	55.6	53.5	—	—	0.8	Cum. strat.				
	18	0	28.355	55.5	53.5	—	0.52	0.6	Starlight; clear in zenith; strat.				
	19	0	28.369	55.8	53.8	—	—	1.0	Overcast; fair; cum.; strat.				
	20	0	28.388	56.3	54.4	—	0.26	0.9	Nearly overcast; cum.-strat.				
	21	0	28.392	57.3	55.2	—	—	1.0	Overcast; cum.-strat.				

MAGNETICAL OBSERVATIONS.													August 25th and 26th	
DECLINATION.													Angular Value of one Scale Division = 0'.711.	
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	Sc. Div.	Sc. Div.
12.9	11.7	11.3	10.2	8.8	7.7	9.0	9.2	9.6	9.0	9.4	10.3	10.7	10.3	10.7
12.5	11.7	11.0	10.2	8.7	7.7	8.9	9.1	9.6	9.0	9.5	10.3	10.9	10.3	10.9
12.5	11.8	10.9	10.2	8.5	7.8	8.9	9.1	9.6	8.9	9.6	10.4	10.9	10.3	10.9
12.4	11.8	10.8	10.2	8.2	8.0	9.0	9.1	9.6	8.9	9.8	10.5	11.0	10.3	11.0
12.5	11.8	10.8	10.1	8.2	7.9	9.0	9.5	9.5	8.8	9.8	10.5	11.0	10.3	11.0
12.3	11.8	10.8	10.1	8.0	7.9	9.1	9.8	9.5	8.8	9.9	10.6	11.0	10.3	11.0
12.3	11.8	10.8	10.0	8.0	7.9	9.2	9.4	9.4	8.8	10.0	10.7	11.0	10.3	11.0
12.1	11.8	10.7	9.8	7.8	8.0	9.2	9.4	9.3	8.8	10.1	10.8	11.1	10.3	11.1
12.0	11.7	10.5	9.6	7.8	8.0	9.3	9.4	9.3	8.8	10.2	10.8	11.0	10.3	11.0
12.0	11.7	10.2	9.4	7.6	8.3	9.3	9.3	9.0	8.9	10.2	10.7	11.0	10.3	11.0
12.0	11.7	10.3	9.2	7.7	8.4	9.2	9.4	9.0	9.0	10.3	10.7	10.9	10.3	10.9
11.6	11.6	10.3	9.0	7.7	8.4	9.2	9.5	9.0	9.0	10.4	10.7	10.8	10.3	10.8
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .00028.	
82.3	84.2	87.8	89.0	89.1	87.2	85.6	82.0	79.9	78.2	77.8	77.1	77.1	77.1	77.1
82.3	84.7	87.7	89.2	89.2	87.2	85.5	81.9	79.7	78.2	77.8	77.0	77.5	77.1	77.5
82.2	84.8	87.8	89.4	89.2	87.2	85.3	81.8	79.2	78.2	77.8	76.8	77.7	77.1	77.7
82.9	85.0	87.8	89.9	89.3	86.8	85.0	81.1	79.2	78.0	77.6	76.9	77.9	77.1	77.9
83.0	85.3	87.9	89.9	89.2	86.7	84.8	81.0	79.1	78.0	77.4	76.9	77.8	77.1	77.8
83.1	85.9	87.9	89.8	89.0	86.4	84.4	81.0	79.1	78.0	77.4	77.0	77.7	77.1	77.7
83.1	86.0	87.9	89.6	88.9	86.2	84.0	80.9	79.2	78.0	77.3	77.0	77.7	77.1	77.7
83.1	86.4	88.2	89.6	87.6	85.9	83.9	80.3	79.0	78.0	77.3	77.1	77.3	77.1	77.3
83.1	86.8	88.1	89.9	87.2	85.8	83.7	80.2	78.8	78.0	77.2	77.1	77.3	77.1	77.3
83.4	86.9	88.2	89.8	87.8	85.7	83.1	80.1	78.7	78.0	77.2	77.0	77.2	77.1	77.2
83.9	87.3	88.2	89.6	87.7	85.6	82.8	80.0	78.5	78.0	77.1	77.0	77.1	77.1	77.1
84.0	87.6	88.8	89.3	87.4	85.6	82.3	80.0	78.3	78.0	77.1	77.0	77.1	77.1	77.1
60.8	60.9	61.2	61.9	62.7	63.5	63.9	64.2	64.5	64.3	64.0	63.8	63.4	63.8	63.4
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah. = .	
42.0	42.0	42.5	42.4	42.8	44.3	44.4	44.7	44.7	44.7	43.8	43.8	45.4	43.8	45.4
42.0	42.0	42.5	42.4	42.9	44.3	44.4	44.7	44.7	44.7	43.8	45.8	45.4	43.8	45.4
42.0	42.0	42.5	42.4	42.9	44.3	44.4	44.7	44.7	44.7	43.8	45.3	45.4	43.8	45.4
42.0	42.0	42.5	42.4	43.4	44.4	44.6	44.7	44.7	44.7	43.9	45.8	45.1	43.8	45.1
42.0	42.0	42.5	42.4	43.4	44.4	44.6	44.7	44.7	44.7	43.9	45.6	42.5	43.8	42.5
42.0	42.0	42.5	42.4	43.4	44.4	44.6	44.7	44.7	44.7	43.9	45.6	42.7	43.8	42.7
42.0	42.0	42.4	42.4	43.6	44.4	44.6	44.7	44.7	44.7	43.8	45.6	42.8	43.8	42.8
42.0	42.0	42.4	42.4	43.6	44.4	44.6	44.7	44.7	44.7	43.8	45.6	42.9	43.8	42.9
42.0	42.0	42.4	42.7	43.9	44.4	44.6	44.7	44.7	44.7	43.8	45.6	42.8	43.8	42.8
42.0	42.0	42.4	42.7	43.9	44.4	44.6	44.7	44.7	44.7	43.8	45.6	42.8	43.8	42.8
42.0	42.0	42.4	42.7	43.9	44.4	44.6	44.7	44.7	44.7	43.8	45.6	42.8	43.8	42.8
42.0	42.5	42.4	42.8	43.9	44.4	44.6	44.7	44.7	44.7	43.8	45.4	42.8	43.8	42.8
42.0	42.5	42.4	42.8	44.1	44.4	44.6	44.7	44.7	43.8	43.8	45.4	42.8	43.8	42.8
60.9	60.9	61.2	61.8	62.4	63.0	63.4	63.9	64.0	64.0	63.9	63.7	63.3	63.9	63.3

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.	°	°		lbs.					
25	22	0	28.405	59.1	55.4	—	0.26	0.7	Fair; cirr.; cum.-strat.			
	23	0	28.407	60.8	54.5	—	—	0.2	Fair; cirr.; cum.-strat.			
26	0	0	28.401	62.2	53.9	—	0.52	0.1	Fine; a few small cum. in N.E.			
	1	0	28.392	63.1	54.2	—	—	0.4	Fine; cirr.; strat.; cum.			
	2	0	28.382	62.7	58.0	—	0.52	0.9	Fair; strat.; cum.			
	3	0	28.373	62.8	57.8	—	—	0.9	Fair; strat.; cum.			
	4	0	28.369	60.8	57.3	—	0.52	1.0	Overcast; cum.-strat.			
	5	0	28.371	60.8	56.6	—	—	0.9	Nearly overcast; cum.; strat.			
	6	0	28.377	59.0	56.6	—	0.52	1.0	Overcast; misty; cum.; strat.			
	7	0	28.385	58.0	55.9	—	—	1.0	Overcast; dull; strat.			
	8	0	28.402	57.3	55.6	—	0.78	1.0	Overcast; strat.			
	9	0	28.415	56.5	55.5	—	—	1.0	Overcast; dark; rain; nimb.			

September 20th and 21st. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.						DECLINATION.				
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0	10.0	10.4	10.4	10.2	10.2	10.7	10.6	10.1	10.6	12.5	11.0
5	0	10.0	10.4	10.4	10.1	10.2	10.7	10.6	10.1	10.8	12.7	11.0
10	0	10.0	10.4	10.3	10.1	10.6	10.7	10.7	10.2	10.9	12.7	10.8
15	0	10.1	10.4	10.3	10.1	11.1	10.8	10.7	10.3	10.9	12.5	10.3
20	0	10.1	10.3	10.3	10.3	11.3	10.8	10.8	10.3	11.0	12.5	10.0
25	0	10.1	10.3	10.3	10.4	11.8	10.8	10.7	10.3	11.0	12.8	9.9
30	0	10.2	10.4	10.3	10.4	11.8	10.6	10.3	10.3	11.0	12.5	9.8
35	0	10.4	10.4	10.3	10.4	11.6	10.5	10.1	10.2	11.0	12.3	9.6
40	0	10.4	10.4	10.3	10.4	11.3	10.5	10.0	10.2	11.6	12.0	9.5
45	0	10.4	10.3	10.3	10.4	11.0	10.4	10.0	10.2	11.9	11.9	9.5
50	0	10.4	10.4	10.3	10.4	10.9	10.5	10.0	10.1	12.0	11.4	9.3
55	0	10.4	10.4	10.3	10.3	10.8	10.6	10.1	10.2	12.1	11.0	9.3

One Scale Division = .00019 parts of the H. F. HORIZONTAL FORCE.												
M.	S.	76.8	78.0	78.6	78.3	77.3	82.5	80.4	79.8	79.8	80.9	80.0
2	0	76.8	78.0	78.6	78.3	77.3	82.5	80.4	79.8	79.8	80.9	80.0
7	0	76.9	78.0	78.6	78.2	77.2	82.2	80.4	79.8	79.8	80.8	79.6
12	0	77.0	78.0	78.4	78.2	78.0	82.2	80.4	79.5	79.9	80.9	79.2
17	0	77.2	78.0	78.4	78.3	80.8	82.2	80.4	79.3	80.0	80.9	79.2
22	0	77.2	78.0	78.4	78.4	82.6	81.5	80.3	79.2	80.0	80.9	79.2
27	0	77.8	78.0	78.4	78.4	83.8	81.1	80.0	79.1	80.0	80.3	79.2
32	0	77.9	78.0	78.4	78.3	84.2	81.0	80.0	79.1	80.2	80.1	79.2
37	0	78.0	78.0	78.4	78.3	83.8	80.8	79.9	79.2	80.9	80.1	79.7
42	0	78.0	78.0	78.3	78.0	83.4	80.5	79.8	79.1	80.9	80.0	79.8
47	0	78.0	78.2	78.3	77.7	82.8	80.5	79.8	79.1	81.0	80.0	79.9
52	0	78.0	78.6	78.4	77.6	82.8	80.3	79.8	79.1	81.0	79.9	80.0
57	0	78.0	78.7	78.4	77.5	82.8	80.3	79.8	79.1	80.9	80.0	80.1

One Scale Division = .00085 parts of the V. F. VERTICAL FORCE.												
M.	S.	40.1	40.1	40.1	40.4	40.4	40.3	40.2	40.2	40.1	39.9	39.9
3	0	40.1	40.1	40.1	40.4	40.4	40.3	40.2	40.2	40.1	39.9	39.9
8	0	40.1	40.1	40.1	40.4	40.4	40.4	40.2	40.2	40.1	39.9	39.9
13	0	40.1	40.1	40.1	40.4	40.4	40.4	40.2	40.2	40.2	39.9	39.9
18	0	40.1	40.1	40.1	40.4	40.6	40.4	40.2	40.2	40.1	39.9	39.9
23	0	40.1	40.1	40.2	40.4	40.6	40.3	40.2	40.2	40.1	39.9	39.9
28	0	40.1	40.1	40.3	40.4	40.6	40.3	40.2	40.2	40.1	39.9	39.9
33	0	40.1	40.1	40.3	40.4	40.6	40.3	40.2	40.2	39.9	39.9	39.9
38	0	40.1	40.1	40.3	40.4	40.6	40.3	40.2	40.2	39.9	39.6	39.9
43	0	40.1	40.1	40.3	40.4	40.5	40.2	40.2	40.1	39.9	39.6	39.9
48	0	40.1	40.1	40.3	40.4	40.4	40.2	40.2	40.1	39.9	39.6	39.9
53	0	40.1	40.1	40.4	40.4	40.4	40.2	40.2	40.1	39.9	39.6	39.9
58	0	40.1	40.1	40.4	40.4	40.4	40.2	40.2	40.1	39.9	39.6	39.9

Thermometer												
		61.9	61.9	61.8	61.7	61.6	61.7	61.5	61.4	61.0	61.0	61.0
		61.9	61.9	61.8	61.7	61.6	61.7	61.5	61.4	61.0	61.0	61.0

Thermometer												
		62.0	62.0	62.0	61.9	61.9	61.8	61.5	61.4	61.2	61.2	61.1
		62.0	62.0	62.0	61.9	61.9	61.8	61.5	61.4	61.2	61.2	61.1

Increasing Numbers denote decreasing westerly Declination,

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.				lbs.				
20	10	0	28.349	57.9	57.0	—	1.82	1.0			Overcast; dark; light rain; nimb.
	11	0	28.353	57.6	56.4	—	—	1.0			Overcast; dark; misty; strat.
	12	0	28.345	57.3	56.0	—	1.30	1.0			Overcast; dark; strat.
	13	0	28.336	57.1	56.1	—	—	1.0			Overcast; dark; strat.
	14	0	28.320	57.4	56.4	—	1.56	1.0			Overcast; dark; strat.
	15	0	28.297	56.9	54.9	—	—	0.9			A few dim stars in N. W.; strat.
	16	0	28.296	56.9	55.5	—	1.56	1.0			Overcast; dark; strat.
	17	0	28.288	56.8	55.2	—	—	0.9			Strat.
	18	0	28.301	56.8	55.3	—	1.56	0.9			Strat.
	19	0	28.305	56.8	54.6	—	—	0.9			Cum. strat.
	20	0	28.309	56.8	55.2	—	1.30	1.0			Overcast; drizzling rain.
	21	0	28.307	57.9	55.6	—	—	0.9			Cum. strat.

MAGNETICAL OBSERVATIONS.												September 20th and 21st.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.							
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
9.2	10.0	10.8	12.1	13.0	11.1	10.0	9.0	7.8	7.0	7.0	8.8	9.7	
9.1	10.0	10.8	12.1	12.6	11.1	10.0	9.0	7.8	7.0	6.8	9.0	9.8	
9.1	10.0	11.1	12.2	12.6	11.0	10.0	8.9	7.8	7.0	6.1	9.0	9.8	
9.2	10.1	11.4	12.2	12.5	10.9	9.9	8.8	7.7	7.0	6.0	9.0	9.8	
9.2	10.1	11.4	12.7	12.2	10.9	10.0	8.6	7.4	7.1	6.0	9.0	9.9	
9.4	10.2	11.8	12.7	12.1	10.9	10.0	8.0	7.2	7.4	6.0	9.0	9.9	
9.9	10.3	11.8	12.7	12.1	10.8	9.9	8.0	7.2	7.4	6.6	9.0	9.9	
9.9	10.3	11.9	12.7	12.0	10.6	9.8	8.2	7.2	7.6	7.0	9.1	9.8	
10.0	10.3	12.2	12.7	11.9	10.3	9.7	8.2	7.1	7.6	7.5	9.2	9.8	
10.0	10.2	12.3	12.7	11.5	10.2	9.3	8.0	6.9	7.5	8.0	9.4	9.8	
10.0	10.6	12.3	12.7	11.5	10.1	9.2	8.0	6.9	7.2	8.1	9.7	9.8	
10.0	10.7	12.3	13.0	11.4	10.0	9.0	8.0	7.0	7.1	8.3	9.8	9.8	
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .00028.							
80.7	82.1	83.2	86.1	86.3	84.2	82.2	80.3	78.8	76.6	75.0	76.1	76.5	
80.9	82.0	84.0	85.9	86.0	84.1	81.9	80.3	78.4	76.4	74.9	76.1	76.3	
81.0	81.9	84.2	85.8	86.1	84.1	81.9	80.2	78.2	76.2	74.5	76.5	76.4	
81.0	82.0	84.2	85.9	86.2	84.0	82.0	80.0	78.2	76.1	74.1	76.8	76.4	
81.3	82.2	85.0	86.0	86.1	84.0	82.0	79.8	78.0	76.1	74.1	76.9	76.5	
82.0	82.8	85.4	86.2	86.0	83.9	81.9	79.8	78.0	76.2	74.1	76.9	76.5	
83.0	82.6	85.5	86.2	85.9	83.8	81.5	79.7	78.0	76.3	74.1	76.4	76.4	
83.7	82.3	85.9	86.2	85.8	83.1	81.0	79.2	77.9	76.4	74.9	76.4	76.3	
83.8	81.9	86.0	86.5	85.2	82.9	81.0	79.1	77.7	76.4	75.8	76.2	76.3	
83.4	81.8	86.2	86.5	84.8	82.9	80.9	79.0	77.4	76.4	76.0	76.2	76.3	
83.0	82.4	86.3	86.8	84.8	82.7	80.8	79.0	77.3	76.4	76.1	76.2	76.3	
82.4	82.9	86.2	86.8	84.8	82.6	80.8	79.0	76.9	76.2	76.1	76.2	76.3	
60.9	61.0	61.3	61.8	62.1	62.9	63.2	63.6	63.6	63.2	62.9	62.8	62.7	
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .							
39.9	39.6	39.6	40.0	40.3	40.8	41.2	41.1	41.1	40.7	40.6	40.9	40.8	
39.9	39.5	39.6	40.0	40.3	40.8	41.2	41.1	41.1	40.7	40.6	40.9	40.8	
39.9	39.5	39.6	40.0	40.3	40.7	41.2	41.1	41.1	40.7	40.6	40.9	40.8	
39.9	39.5	39.6	40.0	40.6	40.7	41.1	41.1	41.1	40.7	40.6	40.7	40.8	
39.9	39.6	39.6	40.0	40.6	40.9	41.1	41.4	41.1	40.7	40.6	40.8	40.7	
39.5	39.6	39.6	40.0	40.6	40.9	41.1	41.4	41.1	40.7	40.6	40.8	40.7	
39.5	39.6	39.7	40.0	40.6	40.9	41.1	41.4	41.1	40.7	40.6	40.8	40.7	
39.5	39.6	39.9	40.0	40.6	40.9	41.1	41.4	40.7	40.7	40.6	40.8	40.5	
39.5	39.6	39.8	40.1	40.6	41.2	41.1	41.4	40.7	40.7	40.6	40.8	40.3	
39.5	39.6	39.9	40.1	40.6	41.2	41.1	41.4	40.7	40.7	40.6	40.8	40.3	
39.5	39.6	40.0	40.3	40.7	41.2	41.1	41.4	40.7	40.6	40.6	40.8	40.3	
39.5	39.6	40.0	40.3	40.8	41.2	41.1	41.4	40.6	40.6	40.6	40.8	40.3	
61.1	61.0	61.2	61.6	62.0	62.7	62.9	63.2	63.2	63.2	62.8	62.8	62.7	

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°		lbs.				
20	22	0	28.317	59.9	56.4	—	2.86	0.6	Fair; wind high; cum.; strat.		
	23	0	28.314	60.3	56.3	—	—	0.4	Fair; cum.; strat.		
21	0	0	28.309	61.7	57.6	—	1.82	0.9	Fair; strat.; cum.		
	1	0	28.297	63.2	58.2	—	—	0.8	Fair; strat.; cum.		
	2	0	28.262	62.4	57.7	—	2.08	0.9	Cloudy; cum.; strat.		
	3	0	28.244	62.0	57.2	—	—	0.8	Cloudy; cum.; strat.		
	4	0	28.235	60.9	56.0	—	1.30	1.0	Overcast; cum.; strat.		
	5	0	28.241	60.8	56.7	—	—	1.0	Overcast; hazy; cum.; strat.		
	6	0	28.246	59.0	56.5	—	—	1.0	Overcast; dull; a few drops of rain; nimb.; strat.		
	7	0	28.254	58.0	55.0	—	—	0.9	Cum. strat.		
	8	0	28.260	57.8	56.0	—	2.34	0.9	Cum. strat.		
	9	0	28.287	57.8	54.8	—	—	1.0	Overcast; dark; strat.		

October 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		10.0	10.1	10.4	10.0	9.8	10.1	9.8	9.8	9.5	10.0	7.9
5	0		10.1	10.2	10.4	10.0	9.9	10.1	9.8	9.8	9.5	9.8	7.8
10	0		10.0	10.2	10.3	9.9	9.9	10.0	9.8	9.4	9.5	9.2	7.7
15	0		10.0	10.2	10.2	9.9	9.9	10.0	9.9	9.4	9.6	9.2	7.5
20	0		10.0	10.2	10.0	9.9	9.9	10.0	9.9	9.4	9.6	9.2	7.3
25	0		10.0	10.2	10.0	9.8	10.0	10.0	9.9	9.3	9.8	9.1	7.3
30	0		10.0	10.2	9.9	9.8	10.1	10.0	10.0	9.3	9.9	9.0	7.2
35	0		10.0	10.1	9.9	9.8	10.0	10.0	10.0	9.4	10.0	8.8	7.2
40	0		10.0	10.0	10.0	9.9	10.0	10.0	10.0	9.3	10.0	8.7	7.2
45	0		10.0	10.2	10.0	9.9	10.1	10.0	10.0	9.4	10.0	8.5	7.2
50	0		10.1	10.3	10.0	9.8	10.1	10.0	9.9	9.4	10.0	8.1	7.3
55	0		10.1	10.3	9.9	9.8	10.1	10.1	9.9	9.5	10.0	8.0	7.4
M. S.			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
			76.5	76.5	76.5	76.3	77.3	77.8	79.1	78.1	77.8	78.0	79.2
2	0		76.5	76.5	76.5	76.3	77.3	77.8	79.1	78.1	77.8	78.0	79.2
7	0		76.6	76.4	76.4	76.3	77.3	77.8	79.8	78.0	77.6	78.0	79.4
12	0		76.5	76.3	76.3	76.3	77.2	78.0	79.8	77.9	77.6	78.4	79.5
17	0		76.4	76.3	76.2	76.3	77.2	78.0	80.2	77.8	77.6	78.6	79.8
22	0		76.5	76.3	76.1	76.4	77.3	78.0	80.8	77.5	77.8	78.8	79.9
27	0		76.6	76.4	75.9	76.4	77.8	78.1	80.8	77.1	77.7	78.8	80.0
32	0		76.5	76.6	75.9	76.8	78.0	78.5	80.2	77.1	77.7	78.8	80.1
37	0		76.2	76.3	76.2	76.9	78.0	78.8	80.1	77.1	77.6	78.8	80.2
42	0		76.4	76.4	76.2	76.8	78.0	79.0	79.9	77.2	77.6	79.0	80.4
47	0		76.5	76.5	76.3	77.0	78.0	79.2	79.2	77.4	77.6	79.0	80.8
52	0		76.4	76.6	76.3	77.0	77.9	79.1	79.1	77.9	77.8	79.0	81.0
57	0		76.4	76.6	76.3	77.2	77.9	79.1	78.8	77.9	77.9	79.0	81.1
Thermometer			61.4	61.4	61.3	61.2	61.0	61.0	60.9	60.9	60.7	60.7	60.7
M. S.			One Scale Division = .00085 parts of the V. F.					VERTICAL FORCE.					
			42.0	42.2	42.4	41.6	41.5	41.6	41.7	41.7	41.7	41.6	41.6
3	0		42.0	42.2	42.4	41.6	41.5	41.6	41.7	41.7	41.7	41.6	41.6
8	0		42.0	42.2	42.4	41.6	41.5	41.6	41.7	41.7	41.7	41.6	41.6
13	0		42.2	42.2	41.9	41.7	41.5	41.6	41.7	41.7	41.7	41.6	41.6
18	0		42.2	42.1	41.6	41.3	41.5	41.7	41.7	41.7	41.7	41.6	41.7
23	0		42.2	42.1	40.6	41.0	41.5	41.7	41.7	41.6	41.7	41.6	41.7
28	0		42.2	42.1	41.3	41.0	41.5	41.7	41.7	41.6	41.6	41.6	41.7
33	0		42.1	42.1	40.6	41.1	41.5	41.7	41.7	41.6	41.6	41.6	41.7
38	0		42.2	42.1	41.5	41.2	41.5	41.7	41.7	41.6	41.6	41.6	41.7
43	0		42.2	42.1	40.8	41.1	41.5	41.7	41.7	41.6	41.6	41.6	41.7
48	0		42.2	42.1	40.8	40.6	41.6	41.7	41.7	41.7	41.6	41.6	41.7
53	0		42.2	42.1	41.3	40.9	41.6	41.7	41.7	41.7	41.6	41.6	41.7
58	0		42.2	42.1	41.2	40.7	41.6	41.7	41.7	41.7	41.6	41.6	41.6
Thermometer			61.4	61.4	61.4	61.4	61.2	61.0	61.0	60.7	60.7	60.7	60.5
Increasing Numbers denote decreasing westerly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°		lbs.						
18	10	0	28.301	56.6	53.2	—	0.78	1.0	Overcast; very dark; strat.				
	11	0	28.305	56.3	52.8	—	—	1.0	Overcast; very dark; strat.				
	12	0	28.299	55.5	52.2	—	0.78	1.0	Overcast; very dark; strat.				
	13	0	28.301	55.6	52.4	—	—	1.0	Overcast; very dark; strat.				
	14	0	28.289	55.6	52.8	—	1.04	1.0	Overcast; dark; strat.				
	15	0	28.275	55.3	52.0	—	—	1.0	Overcast; dark; strat.				
	16	0	28.255	55.3	51.9	—	1.04	1.0	Overcast; cum.-strat.				
	17	0	28.263	55.3	51.9	—	—	1.0	Overcast; cum.-strat.				
	18	0	28.291	55.2	52.0	—	1.56	1.0	Overcast; cum.-strat.				
	19	0	28.291	55.7	52.1	—	—	0.9	Fair; cum.-strat.				
	20	0	28.323	56.5	52.5	—	1.04	1.0	Overcast; dull; strat.				
	21	0	28.344	58.0	54.7	—	—	0.9	Fair; cum.; strat.				

MAGNETICAL OBSERVATIONS.													October 18th and 19th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
7.7	8.0	9.4	11.8	13.3	13.0	10.0	9.6	9.1	9.0	9.9	9.5	9.7		
7.7	8.2	9.8	11.9	13.8	13.0	10.9	9.6	8.7	9.0	9.9	9.5	9.7		
7.6	8.3	10.0	11.9	13.7	12.5	10.9	9.5	8.6	9.1	9.9	9.5	9.7		
7.7	8.7	10.0	12.0	13.6	12.3	10.9	9.5	8.5	9.5	9.9	9.7	10.0		
7.8	8.8	10.4	12.1	13.5	12.3	10.5	9.4	8.6	9.7	9.9	9.8	10.0		
7.9	8.8	10.8	12.7	13.5	12.1	10.3	9.4	8.6	9.7	9.6	9.8	10.0		
8.0	8.8	10.8	12.9	13.5	12.1	10.1	9.2	8.6	9.8	9.6	9.4	10.0		
8.0	9.0	10.8	12.9	13.4	12.0	10.0	9.1	8.6	9.9	9.7	9.5	10.0		
8.1	9.1	10.9	13.0	13.1	11.6	9.9	9.2	8.9	9.9	9.6	9.5	9.9		
8.1	9.2	11.0	13.0	13.1	11.5	9.9	9.2	8.9	9.9	9.6	9.6	10.0		
8.1	9.2	11.3	13.0	13.0	11.4	9.8	9.1	8.9	9.9	9.5	9.6	10.0		
8.0	9.3	11.7	13.0	13.0	11.0	9.5	9.1	8.9	9.9	9.6	9.7	10.0		
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .00028.								
81.1	83.0	84.0	84.0	83.0	81.9	79.7	77.8	76.2	76.1	76.9	75.8	75.2		
81.2	83.1	84.0	84.0	83.0	81.9	79.2	77.7	75.5	76.1	76.9	75.5	75.2		
81.5	83.2	83.9	84.0	82.9	81.3	79.0	77.3	75.1	76.4	76.9	75.4	75.2		
81.8	83.2	83.9	83.9	82.8	81.0	79.0	77.5	74.8	76.5	76.9	75.3	75.1		
82.0	83.3	84.1	84.0	82.3	80.8	79.0	77.5	75.0	76.7	76.9	75.3	75.1		
82.2	83.2	84.2	83.9	82.2	80.0	78.9	77.5	75.1	76.7	76.9	75.4	75.0		
82.3	83.2	84.0	83.9	82.5	80.0	78.8	77.6	75.4	76.7	76.5	75.8	75.0		
82.5	83.3	84.0	83.8	82.3	79.6	78.7	77.3	75.5	76.5	76.1	75.8	75.0		
82.6	83.2	83.8	83.8	82.1	79.6	78.0	77.2	75.9	76.5	76.0	75.8	75.0		
82.6	83.2	83.8	83.5	82.2	79.8	77.8	77.0	75.9	76.5	75.9	75.8	75.0		
82.8	83.4	83.9	83.2	82.1	79.7	77.8	76.8	76.0	76.9	75.9	75.8	75.0		
82.7	83.8	84.0	83.1	82.0	79.6	77.8	76.4	76.0	76.9	75.9	75.4	75.6		
60.5	60.6	61.0	61.6	62.0	62.7	63.0	63.1	63.1	63.0	62.9	62.9	62.6		
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah. = .								
41.6	41.6	41.6	41.6	42.5	42.9	42.8	43.2	43.2	43.2	43.1	43.2	42.8		
41.6	41.6	41.6	41.6	42.5	42.9	42.8	43.2	43.2	43.2	43.1	43.2	42.8		
41.6	41.6	41.6	41.8	42.5	42.9	43.0	43.2	43.2	43.2	43.2	43.0	42.8		
41.6	41.6	41.6	41.8	42.6	42.9	43.0	43.2	43.2	42.8	43.2	43.0	42.8		
41.6	41.6	41.6	41.9	42.6	42.8	43.0	43.2	43.2	42.8	43.2	43.0	42.8		
41.6	41.6	41.6	41.9	42.6	42.8	43.0	43.2	43.2	42.8	43.2	43.0	42.8		
41.6	41.6	41.6	42.1	42.6	42.8	43.0	43.2	43.2	42.8	43.2	42.9	42.8		
41.6	41.6	41.6	42.1	42.6	42.8	43.0	43.2	43.2	42.9	43.2	42.9	42.8		
41.6	41.6	41.6	42.1	42.6	42.8	43.0	43.2	43.2	42.9	43.2	42.9	42.5		
41.6	41.6	41.6	42.2	42.6	42.8	43.0	43.2	43.2	42.9	43.2	42.9	42.5		
41.6	41.6	41.6	42.5	42.6	42.8	43.0	43.2	43.2	42.9	43.2	42.8	42.5		
41.6	41.6	41.6	42.5	42.6	42.8	43.0	43.2	43.2	42.9	43.2	42.8	42.5		
60.4	60.4	60.7	61.3	61.8	62.2	62.5	62.9	62.9	62.8	62.8	62.8	62.6		
and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.	Force.							
D.	H.	M.	In.	°	°	—	lbs.							
18	22	0	28.351	59.3	55.5	—	1.56	1.0	Fair; cum.; strat.					
	23	0	28.329	61.3	56.2	—	—	0.9	Fair; strat.; cum.					
19	0	0	28.327	62.6	56.4	—	1.04	0.8	Fair; cum.-strat.					
	1	0	28.319	61.5	56.8	—	—	1.0	Overcast; cum.; strat.					
	2	0	28.298	63.4	57.2	—	1.04	0.9	Fair; cum.; strat.					
	3	0	28.288	62.5	57.0	—	—	0.9	Fair; cum.; strat.					
	4	0	28.286	62.1	56.6	—	1.56	0.9	Fair; cum.; strat.					
	5	0	28.281	61.8	56.6	—	—	0.6	Fine; cum.; strat.					
	6	0	28.284	59.9	56.0	—	1.56	0.9	Nearly overcast; sun at intervals; cum.; strat.					
	7	0	28.298	59.0	55.7	—	—	0.8	Cum. strat.					
	8	0	28.307	58.3	56.9	—	1.04	1.0	Overcast; a few drops of rain; strat.					
	9	0	28.324	57.8	56.9	—	—	1.0	Overcast; dark; drizzling rain; nimb.					



November 24th and 25th. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'.711.						DECLINATION.				
		10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	11.3	11.2	11.2	10.4	9.6	9.2	9.2	9.6	9.6	10.1	7.2
5	0	11.3	11.2	11.2	10.3	9.4	9.2	9.2	9.7	9.6	10.0	7.0
10	0	11.4	11.2	11.2	10.1	9.4	9.2	9.2	9.7	9.6	9.7	6.8
15	0	11.4	11.2	11.1	10.1	9.5	9.1	9.2	9.7	9.6	9.5	6.8
20	0	11.5	11.2	10.9	10.0	9.5	9.1	9.2	9.7	9.7	9.1	6.4
25	0	11.5	11.2	10.8	9.9	9.5	9.1	9.2	9.7	9.8	8.8	6.3
30	0	11.5	11.2	10.8	9.8	9.5	9.1	9.2	9.7	9.8	8.7	5.9
35	0	11.4	11.2	10.7	9.7	9.5	9.1	9.2	9.8	10.0	8.5	5.8
40	0	11.3	11.2	10.6	9.7	9.6	9.1	9.2	9.8	10.1	8.2	5.9
45	0	11.3	11.2	10.5	9.7	9.6	9.1	9.2	9.8	10.1	8.0	5.8
50	0	11.2	11.2	10.4	9.6	9.7	9.1	9.4	9.8	10.2	7.8	5.3
55	0	11.2	11.2	10.4	9.6	9.3	9.1	9.4	9.6	10.2	7.5	5.2
M. S.		One Scale Division = .00019 parts of the H. F.						HORIZONTAL FORCE.				
		70.0	70.9	69.8	71.0	70.8	71.7	71.9	71.8	71.4	71.2	72.7
2	0	70.0	70.5	69.8	71.5	70.9	71.7	71.9	71.8	71.3	71.3	72.9
7	0	70.0	70.8	69.8	71.6	71.0	71.8	71.9	71.8	71.3	71.3	72.9
12	0	70.0	70.5	69.7	71.5	71.0	71.9	71.9	71.8	71.2	71.3	72.9
17	0	70.0	70.4	69.7	71.3	71.0	71.9	71.9	71.8	71.1	71.4	73.0
22	0	70.0	70.4	69.6	71.2	71.0	71.8	71.9	71.9	71.0	71.5	73.1
27	0	69.9	70.4	69.7	71.1	71.0	71.8	71.9	71.9	71.0	71.7	73.2
32	0	69.9	70.3	69.7	70.9	71.2	71.8	71.9	71.8	71.1	71.9	73.4
37	0	70.0	70.1	69.8	71.1	71.5	71.9	71.9	71.8	71.1	72.0	73.7
42	0	70.1	70.1	70.2	71.1	71.8	71.9	71.9	71.7	71.1	72.0	73.8
47	0	70.1	70.1	70.3	71.0	71.8	71.9	71.9	71.7	71.2	72.2	73.9
52	0	70.1	70.1	70.4	70.9	71.6	71.9	71.9	71.7	71.2	72.3	74.0
57	0	70.1	70.1	70.4	70.9	71.6	71.9	71.9	71.7	71.2	72.3	74.0
Thermometer		65.1	65.0	65.0	64.9	64.8	64.8	64.7	64.6	64.4	64.3	64.0
M. S.		One Scale Division = .00085 parts of the V. F.						VERTICAL FORCE.				
		59.2	59.2	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.8	58.9
3	0	59.2	59.0	59.0	58.7	58.8	58.6	58.4	58.4	58.4	58.8	58.9
8	0	59.2	59.0	59.0	58.7	58.8	58.6	58.4	58.4	58.4	58.8	58.9
13	0	59.2	59.0	59.0	58.7	58.8	58.6	58.4	58.4	58.4	58.8	58.9
18	0	59.2	59.0	59.0	58.7	58.8	58.6	58.4	58.4	58.4	58.8	58.9
23	0	59.2	59.0	59.0	58.7	58.8	58.6	58.4	58.4	58.4	58.8	58.9
28	0	59.2	59.0	59.0	58.8	58.8	58.4	58.4	58.4	58.4	58.8	58.9
33	0	59.2	59.0	59.0	58.8	58.8	58.4	58.4	58.4	58.4	58.8	58.9
38	0	59.2	59.0	59.0	58.8	58.8	58.4	58.4	58.4	58.6	58.9	58.9
43	0	59.2	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.6	58.9	58.9
48	0	59.2	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.6	58.9	58.9
53	0	59.2	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.7	58.9	58.9
58	0	59.2	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.7	58.9	58.9
Thermometer		65.2	65.0	64.9	65.0	64.9	64.7	64.7	64.6	64.4	64.4	63.9
Increasing Numbers denote decreasing westerly Declination,												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°		lbs.					
24	10	0	28.227	59.8	55.7	—	0.26	1.0	Overcast; very dark; strat.			
	11	0	28.241	59.5	55.2	—	—	1.0	Overcast; very dark; strat.			
	12	0	28.236	59.6	55.6	—	0.52	1.0	Overcast; very dark; strat.			
	13	0	28.221	59.5	55.6	—	—	1.0	Overcast; very dark; strat.			
	14	0	28.209	59.4	55.8	—	0.26	1.0	Overcast; dark; strat.			
	15	0	28.200	59.0	55.2	—	—	1.0	Overcast; dark; strat.			
	16	0	28.201	59.2	55.6	—	0.26	1.0	Overcast; dark; strat.			
	17	0	28.205	59.2	55.8	—	—	1.0	Overcast; dark; strat.			
	18	0	28.207	59.0	55.4	—	0.26	1.0	Overcast; dull; strat.			
	19	0	28.213	59.2	55.5	—	—	1.0	Overcast; dull; strat.			
	20	0	28.223	59.9	55.8	—	0.52	1.0	Overcast; cum.-strat.			
	21	0	28.230	61.4	56.5	—	—	1.0	Overcast; cum.-strat.			

MAGNETICAL OBSERVATIONS.													November 24th and 25th.	
DECLINATION.						Angular Value of one Scale Division = 0'.711.								
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .		
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.		
5.1	5.8	8.1	9.8	10.0	10.2	10.8	9.7	9.1	8.0	8.4	9.8	10.7		
5.1	5.9	8.2	9.8	10.0	10.3	10.7	9.6	9.0	8.0	8.5	10.0	10.7		
4.9	6.0	8.6	10.0	10.0	10.3	10.7	9.4	8.9	8.0	8.9	10.1	10.5		
4.9	6.0	8.9	10.0	10.0	10.6	10.6	9.4	8.9	8.0	9.0	10.1	10.6		
4.9	6.7	9.0	10.0	10.0	10.6	10.3	9.5	8.9	8.0	9.0	10.1	10.6		
4.9	6.9	9.0	10.0	10.0	10.6	10.3	9.6	8.8	8.1	9.0	10.1	10.7		
4.9	7.0	9.1	10.0	10.0	10.7	10.2	9.6	8.6	8.1	9.4	10.2	10.7		
5.0	7.1	9.1	10.0	10.0	10.8	10.1	9.5	8.4	8.1	9.5	10.4	10.8		
5.0	7.5	9.3	10.0	10.0	11.0	10.1	9.4	8.3	8.2	9.8	10.5	10.8		
5.1	7.8	9.4	10.0	10.0	11.0	10.0	9.3	8.2	8.2	9.8	10.5	10.8		
5.2	7.9	9.5	10.0	10.0	10.9	9.8	9.2	8.1	8.2	9.8	10.6	10.8		
5.3	8.0	9.8	10.0	10.0	10.9	9.7	9.1	8.1	8.0	9.8	10.7	10.8		
HORIZONTAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah°. = .00028.								
74.0	75.2	77.0	77.7	77.8	76.7	76.0	74.2	73.1	71.0	69.7	69.0	68.9		
74.0	75.3	77.1	77.8	77.6	76.7	75.9	74.1	73.1	71.0	69.2	69.0	68.9		
74.0	75.5	77.2	77.8	77.4	76.6	75.9	74.1	72.9	70.9	69.1	68.9	68.8		
74.0	75.7	77.7	77.8	77.1	76.3	75.6	73.9	72.8	70.9	69.1	68.9	68.8		
74.2	75.9	77.8	77.8	77.0	76.3	75.3	73.9	72.7	70.8	69.1	68.9	68.7		
74.6	75.9	77.8	77.8	77.0	76.3	75.2	73.8	72.4	70.7	69.1	68.9	68.7		
74.8	76.0	77.8	77.8	77.0	76.3	75.1	73.5	72.1	70.3	69.1	68.9	68.7		
74.9	76.1	77.8	77.8	77.0	76.2	75.0	73.5	72.1	70.1	69.1	68.5	68.7		
75.0	76.2	77.8	77.8	77.0	76.2	74.9	73.5	72.0	70.0	69.1	68.7	68.6		
75.2	76.5	77.8	77.8	77.0	76.2	74.6	73.5	72.0	69.9	69.0	68.8	68.6		
75.2	76.8	77.8	77.8	76.9	76.2	74.4	73.5	71.9	69.9	69.0	68.8	68.7		
75.2	76.9	77.8	77.8	76.9	76.1	74.3	73.2	71.2	69.8	69.0	68.8	68.6		
64.0	64.2	64.7	64.9	65.8	66.3	67.0	67.9	68.5	69.0	68.9	68.9	68.6		
VERTICAL FORCE.						Change in the Magnetic moment of the Bar for 1° Fah°. =								
58.9	59.1	59.3	59.5	59.8	61.0	61.4	61.8	58.9	59.5	61.0	61.4	60.2		
58.9	59.1	59.3	59.5	60.2	61.0	61.4	61.8	58.9	59.7	61.6	61.4	60.2		
58.9	59.1	59.3	59.5	60.2	61.0	61.4	61.8	58.9	59.8	61.6	60.5	60.0		
58.9	59.1	59.3	59.5	60.2	61.0	61.4	61.9	59.1	59.9	62.1	60.5	59.9		
58.9	59.1	59.3	59.5	60.2	61.0	61.5	62.0	59.1	59.9	62.1	60.5	59.7		
58.7	59.1	59.3	59.7	60.2	61.0	61.6	62.0	59.1	59.9	62.1	60.5	59.7		
58.7	59.1	59.3	59.7	60.2	61.3	61.6	62.0	59.2	59.9	62.1	60.5	59.7		
58.7	59.3	59.3	59.7	60.6	61.3	61.6	62.0	59.2	60.6	61.4	60.5	59.7		
58.7	59.3	59.3	59.7	60.6	61.3	61.6	62.2	59.5	60.6	61.4	60.5	59.6		
58.7	59.3	59.3	59.8	60.6	61.2	61.6	62.2	59.5	60.6	61.4	60.2	59.6		
58.7	59.3	59.3	59.8	61.0	61.3	61.6	58.7	59.5	60.6	61.4	60.2	59.6		
58.7	59.3	59.5	59.8	61.0	61.3	61.7	58.9	59.5	61.0	61.4	60.2	59.5		
63.9	64.2	64.5	64.8	65.5	66.1	66.9	67.4	68.2	68.8	68.8	68.8	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.							
D.	H.	M.	In.	°	°		lbs.							
24	22	0	28.237	62.6	57.4	—	0.26	1.0	Overcast; cum-strat.					
	23	0	28.233	63.7	58.2	—	—	1.0	Overcast; cum-strat.					
25	0	0	28.227	65.0	58.5	—	0.52	0.9	Faint sunshine; cum.; strat.					
	1	0	28.219	65.2	59.3	—	—	1.0	Overcast; cum.; strat.					
	2	0	28.206	65.9	60.0	—	0.26	0.0	Fine; strat.; cum.					
	3	0	28.198	67.6	59.8	—	—	0.3	Fine; cum.					
	4	0	28.193	68.0	60.3	—	0.26	0.3	Fine; cirr.; cum.; strat.					
	5	0	28.185	68.4	61.2	—	—	0.7	Fine; cum.; strat.					
	6	0	28.185	66.8	59.9	—	0.26	0.8	Cum.-strat.					
	7	0	28.193	62.8	57.8	—	—	1.0	Overcast; fair; cum.; strat.					
	8	0	28.207	61.6	57.2	—	0.26	1.0	Overcast; fair; strat.					
	9	0	28.234	61.2	57.0	—	—	1.0	Overcast; strat.					

December 20th and 21st.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'.711.					DECLINATION.					
			10 <sup>h</sup> .	11 <sup>h</sup> .	12 <sup>h</sup> .	13 <sup>h</sup> .	14 <sup>h</sup> .	15 <sup>h</sup> .	16 <sup>h</sup> .	17 <sup>h</sup> .	18 <sup>h</sup> .	19 <sup>h</sup> .	20 <sup>h</sup> .
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	11.7	11.1	11.1	10.9	10.2	9.9	9.7	9.9	9.6	8.1	5.8	
5	0	11.5	11.1	11.0	10.9	10.3	9.9	9.8	9.9	9.4	8.0	5.3	
10	0	11.5	11.1	11.0	10.9	10.3	9.9	9.7	9.9	9.4	7.8	5.3	
15	0	11.5	11.1	11.0	10.9	10.2	9.8	9.7	9.9	9.3	7.5	5.2	
20	0	11.5	11.0	11.0	10.8	10.2	9.8	9.7	9.9	9.2	7.3	5.1	
25	0	11.5	11.0	11.0	10.8	10.2	9.8	9.7	9.9	9.1	7.0	5.1	
30	0	11.4	11.0	11.0	10.8	10.1	9.8	9.7	9.9	9.1	6.8	5.1	
35	0	11.4	11.0	11.0	10.8	10.1	9.8	9.7	9.9	9.0	6.6	5.1	
40	0	11.4	11.0	11.0	10.6	10.1	9.8	9.8	9.9	8.8	6.3	5.1	
45	0	11.3	11.1	10.9	10.6	10.1	9.7	9.8	9.9	8.7	6.1	5.1	
50	0	11.1	11.1	10.9	10.4	10.1	9.8	9.8	9.8	8.5	6.0	5.2	
55	0	11.1	11.1	10.9	10.3	10.0	9.8	9.8	9.7	8.3	5.8	5.3	
			One Scale Division = .00019 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0	66.0	65.9	66.9	67.1	67.3	67.9	68.3	68.9	69.1	69.7	70.9	
7	0	66.0	65.9	66.9	67.1	67.5	67.9	68.2	68.9	69.3	69.8	71.0	
12	0	65.9	65.9	66.9	67.1	67.3	68.0	68.5	69.0	69.4	70.0	71.0	
17	0	65.9	65.9	67.0	67.1	67.3	68.0	68.5	69.0	69.4	70.2	71.0	
22	0	65.9	65.9	67.1	67.2	67.2	68.0	68.6	69.0	69.4	70.4	71.0	
27	0	65.9	65.9	67.1	67.2	67.2	68.0	68.6	69.1	69.4	70.5	70.9	
32	0	66.0	66.0	67.1	67.2	67.2	68.0	68.6	69.1	69.4	70.6	70.9	
37	0	66.0	66.0	67.1	67.2	67.2	68.0	68.8	69.1	69.5	70.7	70.9	
42	0	66.0	66.1	67.1	67.4	67.2	68.1	68.8	69.1	69.6	70.8	70.9	
47	0	65.9	66.7	67.1	67.4	67.8	68.2	68.9	69.1	69.6	70.8	70.9	
52	0	65.9	66.8	67.1	67.4	67.8	68.2	68.9	69.1	69.7	70.9	70.9	
57	0	65.9	66.8	67.1	67.4	67.8	68.2	68.9	69.1	69.7	70.9	70.8	
Thermometer			68.1	67.9	67.5	67.2	66.9	66.8	66.1	66.0	66.0	66.1	66.1
			One Scale Division = .00085 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0	56.0	55.6	55.5	55.5	55.0	54.7	54.5	54.5	54.4	54.7	53.7	
8	0	56.0	55.6	55.5	55.5	54.7	54.7	54.5	54.5	54.4	54.3	53.7	
13	0	56.0	55.6	55.5	55.5	54.7	54.6	54.5	54.5	54.4	54.1	53.7	
18	0	56.0	55.6	55.5	55.5	54.7	54.6	54.5	54.5	54.4	54.1	53.7	
23	0	56.0	55.4	55.5	55.5	54.7	54.5	54.5	54.5	54.4	54.1	53.7	
28	0	56.0	55.4	55.5	55.5	54.7	54.5	54.5	54.5	54.4	54.1	53.7	
33	0	55.6	55.4	55.5	55.5	54.7	54.5	54.5	54.5	54.5	54.1	53.5	
38	0	55.6	55.4	55.5	55.5	54.7	54.5	54.5	54.5	54.0	54.0	53.5	
43	0	55.7	55.4	55.5	55.5	54.7	54.5	54.5	54.5	54.0	54.0	53.5	
48	0	55.6	55.4	55.5	55.1	54.7	54.5	54.5	54.5	54.5	54.0	53.1	
53	0	55.6	55.4	55.5	55.1	54.7	54.5	54.5	54.5	55.0	54.0	53.1	
58	0	55.6	55.4	55.5	55.1	54.7	54.5	54.5	54.4	54.7	54.0	53.1	
Thermometer			67.9	67.8	67.3	67.2	66.7	66.7	66.2	66.0	66.0	66.2	65.9
Increasing Numbers denote decreasing westerly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°		lbs.						
20	10	0	28.305	63.0	60.5	S. 30 E.	0.5	0.9	Cum.; strat.				
	11	0	28.299	61.7	58.3	S. 22 E.	0.5	0.0	Perfectly clear; stars very bright.				
	12	0	28.288	61.2	58.2	S. 11 E.	0.9	0.0	Perfectly clear; stars very bright.				
	13	0	28.274	61.0	58.4	S. 5 E.	0.9	0.0	Perfectly clear; stars very bright.				
	14	0	28.245	60.5	57.1	S. 5 E.	1.1	0.0	Perfectly clear; stars bright.				
	15	0	28.232	60.5	58.0	S. 2 E.	1.1	0.1	Stars bright; cum.				
	16	0	28.229	60.6	58.6	S. 5 E.	1.1	0.9	Strat.				
	17	0	28.224	60.9	59.2	S. 6 E.	1.0	1.0	Overcast; dark; strat.				
	18	0	28.235	61.0	59.2	S. 5 E.	0.9	1.0	Overcast; strat.; and a few cum.				
	19	0	28.258	61.3	59.4	S. 22 W.	0.9	1.0	Overcast; cum.-strat.				
	20	0	28.271	61.8	59.3	S. 23 E.	0.9	0.9	Cum.-strat.				
	21	0	28.276	62.4	60.7	S. 23 E.	0.8	1.0	Overcast; cum.-strat.				

MAGNETICAL OBSERVATIONS.												December 20th and 21st.	
DECLINATION.												Angular Value of one Scale Division = 0'.711.	
21 <sup>h</sup> .	22 <sup>h</sup> .	23 <sup>h</sup> .	0 <sup>h</sup> .	1 <sup>h</sup> .	2 <sup>h</sup> .	3 <sup>h</sup> .	4 <sup>h</sup> .	5 <sup>h</sup> .	6 <sup>h</sup> .	7 <sup>h</sup> .	8 <sup>h</sup> .	9 <sup>h</sup> .	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
5.7	8.8	13.0	14.2	14.8	13.8	13.8	13.6	11.0	9.2	10.0	11.0	11.8	
5.7	9.0	13.0	14.3	14.8	13.8	13.8	13.7	10.9	9.1	10.0	11.0	11.7	
5.9	9.4	13.0	14.5	14.8	13.7	13.7	13.2	10.9	9.1	10.1	11.0	11.7	
6.1	9.8	13.4	14.6	14.5	13.7	13.7	13.1	10.3	9.1	10.2	11.1	11.7	
6.3	10.1	14.0	14.8	14.3	13.7	13.7	12.9	10.2	9.1	10.2	11.3	11.8	
6.8	10.8	14.1	14.8	14.1	13.7	13.7	12.4	9.9	9.2	10.3	11.8	11.9	
6.9	11.0	14.0	14.8	14.1	13.7	13.7	12.2	9.8	9.2	10.4	11.8	12.0	
7.0	11.4	14.0	14.8	14.0	13.7	13.7	12.1	9.8	9.3	10.7	11.8	12.0	
7.2	11.8	14.1	14.8	14.0	13.7	13.5	12.0	9.8	9.5	10.8	11.7	12.0	
7.8	12.0	14.1	14.8	13.9	13.8	13.5	11.9	9.3	9.8	10.9	11.8	12.1	
8.0	12.2	14.1	14.8	13.8	13.8	13.4	11.9	9.2	9.8	11.0	11.8	12.1	
8.2	12.7	14.2	14.9	13.8	13.8	13.4	11.1	9.3	9.9	11.0	11.8	12.1	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah. = .00028.	
70.8	71.0	73.0	74.2	74.6	73.9	72.3	70.3	68.0	66.1	64.8	64.2	64.2	
70.8	71.0	73.1	74.3	74.6	73.8	72.1	70.2	67.9	66.0	64.8	64.1	64.2	
70.7	71.2	73.5	74.3	74.5	73.7	72.1	70.0	67.8	66.0	64.6	64.1	64.2	
70.5	71.4	74.0	74.3	74.4	73.4	72.0	69.9	67.4	65.9	64.7	64.1	64.2	
70.6	71.7	74.0	74.3	74.4	73.2	71.9	69.2	67.1	65.9	64.7	64.1	64.2	
70.6	71.9	74.1	74.2	74.4	73.2	71.8	69.0	66.8	65.7	64.7	64.2	64.1	
70.7	72.0	74.2	74.4	74.3	73.0	71.7	68.9	66.7	65.4	64.3	64.2	64.1	
70.7	72.1	74.2	74.5	74.2	73.0	71.3	68.9	66.3	65.3	64.2	64.3	64.1	
70.8	72.2	74.6	74.7	74.2	73.0	71.1	68.9	66.2	65.2	64.1	64.3	64.1	
70.9	72.4	74.8	74.7	74.1	72.9	70.9	68.8	66.1	65.2	64.1	64.2	64.0	
70.9	72.9	74.8	74.7	74.0	72.8	70.8	68.5	66.1	65.1	64.1	64.2	64.1	
70.9	73.0	74.3	74.8	73.8	72.4	70.4	68.1	66.3	64.9	64.1	64.2	64.3	
65.9	65.9	66.1	66.8	67.4	68.0	69.0	70.0	70.8	71.0	71.2	70.7	70.0	

VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah. = .	
53.1	53.0	52.3	52.3	52.9	54.0	55.0	56.7	57.4	57.9	57.9	57.1	57.8	
53.1	53.0	52.3	52.6	52.9	54.0	55.7	56.7	57.4	57.9	57.9	57.1	57.8	
53.1	53.0	52.3	52.6	53.3	54.0	55.7	56.8	57.4	57.9	57.9	57.1	57.8	
52.8	53.0	52.3	52.6	53.3	54.4	55.7	56.8	57.4	57.9	57.9	57.1	57.6	
52.9	53.0	52.3	52.6	53.5	54.4	56.0	56.8	57.4	57.9	57.9	57.1	57.6	
52.9	53.0	52.3	52.6	53.6	54.6	56.0	56.8	57.4	57.9	57.9	57.1	57.6	
52.9	53.0	52.3	52.6	53.7	54.6	56.0	56.9	57.4	57.9	57.9	57.1	57.6	
52.9	53.0	52.3	52.6	53.8	54.9	56.0	57.1	57.4	57.9	58.0	57.1	57.6	
53.0	53.0	52.3	52.8	53.8	54.9	56.5	57.1	57.4	57.9	57.1	57.1	57.6	
53.0	53.0	52.3	52.8	53.9	55.0	56.5	57.1	57.4	57.9	57.1	56.9	57.6	
53.0	52.2	52.3	52.8	53.9	55.0	56.6	57.2	57.4	57.9	57.1	58.0	57.5	
53.0	52.3	52.3	52.9	53.9	55.0	56.7	57.4	57.4	57.9	57.1	57.8	57.5	
65.7	65.8	66.1	66.5	67.2	67.7	69.0	69.7	70.5	70.7	71.0	70.2	69.9	

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.	°	°	°	lbs.				
20	22	0	28.276	65.0	61.6	S. 20 E.	1.2	1.0	Overcast; fair; cum.-strat.		
	23	0	28.274	65.1	61.8	S. 18 E.	1.2	1.0	Overcast; fair; cum.; strat.		
21	0	0	28.265	67.0	62.2	S. 22 E.	1.4	1.0	Overcast; fair; cum.-strat.		
	1	0	28.257	67.4	62.4	S. 12 E.	0.5	0.8	Cum.; strat.		
	2	0	28.243	69.7	62.9	S. 14 E.	0.5	0.3	Fine; strat.; cum.		
	3	0	28.225	70.0	61.8	S. 2 E.	0.5	0.5	Fine; strat.; cum.		
	4	0	28.205	71.2	62.9	S. 22 W.	0.5	0.0	Very fine; cum.		
	5	0	28.189	69.9	62.0	S. 12 E.	0.5	0.0	Very fine.		
	6	0	28.190	69.0	61.3	S. 2 E.	0.4	0.0	Very fine.		
	7	0	28.206	65.6	59.6	S. 4 W.	0.5	0.0	Very fine.		
	8	0	28.217	63.6	59.0	S. 4 W.	0.5	0.1	Fair; clear; cum.		
	9	0	28.226	62.9	59.6	S. 1 E.	0.8	0.1	Stars bright; cum.		



**ST. HELENA, 1843.**

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**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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	·262	·242	·227	·199	·175	·165	·173	·185	·203	·224	·244	·255
	3	·223	·206	·184	·175	·171	·160	·155	·165	·184	·190	·198	·211
	4	·277	·270	·267	·252	·228	·223	·233	·245	·259	·280	·292	·295
	5	·298	·294	·286	·274	·245	·241	·244	·260	·275	·290	·294	·296
	6	·255	·237	·230	·214	·199	·201	·197	·207	·224	·234	·244	·248
	7	·274	·273	·262	·237	·225	·219	·231	·231	·243	·261	·270	·282
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	·314	·297	·284	·267	·242	·229	·231	·237	·245	·262	·275	·287
	10	·248	·243	·233	·218	·205	·196	·203	·213	·231	·246	·263	·277
	11	·283	·271	·266	·255	·237	·227	·230	·237	·249	·268	·273	·283
	12	·270	·260	·239	·226	·216	·204	·205	·200	·214	·231	·249	·265
	13	·254	·245	·221	·215	·194	·188	·190	·202	·218	·235	·253	·276
	14	·280	·267	·254	·237	·225	·217	·224	·230	·243	·256	·275	·297
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	·288	·272	·262	·241	·225	·217	·218	·228	·237	·256	·269	·279
	17	·282	·270	·257	·239	·218	·200	·194	·203	·215	·227	·240	·259
	18	·270	·261	·253	·241	·231	·216	·217	·221	·238	·251	·259	·265
	19	·261	·258	·248	·237	·222	·206	·202	·212	·220	·229	·234	·237
	20	·261	·245	·232	·227	·218	·211	·211	·220	·232	·248	·267	·263
	21	·226	·225	·219	·208	·196	·192	·195	·206	·218	·233	·251	·262
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	·282	·271	·257	·250	·238	·236	·229	·233	·253	·274	·288	·291
	24	·287	·282	·271	·265	·260	·256	·254	·263	·269	·278	·300	·304
	25	·289	·281	·274	·254	·239	·233	·229	·230	·234	·242	·256	·264
	26	·256	·244	·229	·213	·202	·189	·191	·197	·203	·216	·223	·226
	27	·245	·234	·218	·200	·179	·172	·170	·184	·200	·219	·250	·260
	28	·263	·256	·242	·230	·221	·209	·207	·209	·219	·226	·234	·240
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	·231	·223	·210	·188	·180	·176	·178	·182	·189	·198	·208	·218
	31	·219	·217	·205	·188	·181	·183	·174	·177	·194	·205	·213	·220
Hourly Means	·2653	·2555	·2435	·2288	·2143	·2064	·2071	·2145	·2273	·2415	·2547	·2638	
FEBRUARY.	1	·225	·219	·209	·198	·191	·179	·175	·183	·186	·198	·216	·215
	2	·232	·229	·220	·211	·192	·185	·181	·186	·202	·212	·214	·228
	3	·229	·217	·202	·171	·161	·142	·149	·154	·158	·175	·176	·197
	4	·195	·187	·178	·171	·158	·135	·122	·131	·154	·164	·171	·170
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	·265	·256	·240	·238	·225	·222	·227	·236	·244	·274	·275	·281
	7	·307	·291	·271	·262	·240	·238	·238	·234	·242	·255	·258	·275
	8	·257	·237	·225	·204	·193	·185	·190	·200	·215	·230	·235	·243
	9	·223	·221	·194	·177	·162	·151	·157	·166	·175	·180	·191	·203
	10	·209	·200	·182	·171	·150	·153	·154	·153	·159	·182	·207	·227
	11	·253	·242	·229	·226	·219	·209	·213	·224	·239	·261	·278	·291
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	·223	·206	·190	·177	·165	·150	·149	·156	·163	·175	·182	·181
	14	·195	·183	·172	·157	·149	·149	·153	·157	·170	·185	·191	·208
	15	·223	·217	·198	·188	·176	·172	·169	·173	·187	·216	·232	·237
	16	·241	·246	·238	·229	·223	·217	·220	·222	·230	·250	·257	·276
	17	·265	·256	·238	·217	·210	·211	·217	·216	·218	·232	·253	·264
	18	·268	·252	·235	·226	·215	·203	·198	·208	·206	·222	·233	·235
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	·269	·254	·233	·216	·207	·195	·180	·190	·200	·223	·234	·249
	21	·278	·272	·246	·223	·210	·206	·211	·222	·229	·246	·257	·268
	22	·258	·245	·224	·206	·191	·181	·186	·194	·201	·214	·223	·225
	23	·199	·186	·169	·160	·144	·133	·152	·166	·174	·190	·199	·208
	24	·210	·194	·179	·172	·158	·146	·148	·154	·164	·177	·194	·203
	25	·220	·216	·206	·184	·170	·169	·175	·183	·204	·214	·229	·242
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	·299	·287	·267	·251	·235	·228	·227	·236	·257	·267	·284	·297
	28	·305	·279	·264	·225	·207	·203	·195	·198	·214	·229	·242	·253
Hourly Means	·2437	·2330	·2170	·2025	·1896	·1817	·1827	·1892	·1996	·2155	·2263	·2365	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	—
·254	·242	·224	·207	·191	·189	·197	·209	·239	·247	·243	·239	·2181
·216	·208	·200	·198	·200	·205	·227	·243	·270	·278	·285	·281	·2097
·281	·263	·244	·246	·250	·254	·262	·278	·295	·299	·307	·303	·2668
·292	·276	·254	·234	·224	·221	·231	·250	·259	·269	·269	·269	·2644
·241	·223	·199	·189	·181	·182	·194	·226	·246	·255	·271	·268	·2235
—	—	—	—	—	—	—	—	—	—	—	—	—
·269	·291	·281	·272	·260	·260	·268	·280	·300	·314	·320	·319	·2684
·283	·264	·243	·226	·214	·206	·217	·228	·244	·252	·256	·254	·2524
·272	·263	·245	·232	·225	·222	·228	·248	·272	·279	·290	·287	·2433
·284	·266	·255	·243	·239	·233	·236	·254	·273	·279	·280	·283	·2585
·266	·253	·237	·223	·218	·218	·224	·233	·240	·248	·258	·261	·2358
·280	·267	·251	·235	·228	·220	·225	·243	·257	·270	·278	·283	·2387
—	—	—	—	—	—	—	—	—	—	—	—	—
·299	·281	·261	·246	·229	·227	·235	·246	·276	·286	·291	·295	·2574
·282	·277	·253	·228	·220	·222	·228	·244	·268	·280	·288	·288	·2530
·251	·240	·229	·215	·209	·206	·222	·236	·252	·265	·278	·283	·2371
·270	·244	·234	·229	·224	·226	·237	·241	·251	·265	·269	·271	·2452
·226	·223	·201	·196	·195	·207	·213	·229	·254	·268	·270	·272	·2300
·249	·228	·205	·195	·193	·191	·195	·212	·222	·234	·242	·232	·2264
—	—	—	—	—	—	—	—	—	—	—	—	—
·262	·253	·231	·221	·216	·222	·231	·252	·270	·279	·287	·288	·2351
·291	·282	·266	·249	·243	·234	·238	·258	·274	·284	·292	·293	·2628
·299	·286	·268	·251	·237	·235	·243	·253	·291	·295	·305	·301	·2730
·259	·245	·233	·217	·199	·188	·200	·216	·230	·247	·258	·261	·2408
·215	·192	·176	·161	·157	·159	·179	·205	·236	·248	·256	·257	·2096
·248	·236	·218	·215	·211	·205	·217	·233	·258	·270	·274	·273	·2245
—	—	—	—	—	—	—	—	—	—	—	—	—
·235	·225	·213	·190	·187	·186	·186	·208	·226	·236	·241	·239	·2220
·210	·193	·173	·149	·152	·155	·171	·189	·209	·219	·222	·222	·1935
·215	·191	·171	·172	·172	·180	·184	·200	·230	·238	·235	·228	·1997
·2596	·2466	·2294	·2169	·2105	·2097	·2108	·2352	·2555	·2665	·2717	·2712	·2380
—	—	—	—	—	—	—	—	—	—	—	—	—
·217	·197	·183	·179	·192	·203	·213	·231	·245	·235	·237	·233	·2066
·226	·213	·205	·197	·192	·198	·200	·218	·236	·240	·235	·237	·2120
·200	·181	·171	·158	·148	·166	·171	·177	·193	·207	·209	·210	·1801
—	—	—	—	—	—	—	—	—	—	—	—	—
·170	·193	·188	·185	·185	·191	·212	·229	·247	·268	·281	·275	·1900
·276	·270	·262	·252	·252	·255	·269	·279	·291	·292	·298	·308	·2620
·259	·255	·240	·227	·206	·204	·216	·233	·249	·270	·269	·267	·2503
·237	·225	·203	·192	·186	·184	·183	·193	·211	·223	·235	·226	·2130
·203	·190	·176	·168	·163	·173	·175	·189	·216	·224	·224	·219	·1883
·230	·226	·212	·192	·188	·190	·198	·209	·231	·249	·261	·262	·1998
—	—	—	—	—	—	—	—	—	—	—	—	—
·288	·220	·198	·186	·178	·167	·169	·187	·211	·225	·232	·229	·2239
·177	·160	·163	·141	·134	·137	·134	·140	·156	·178	·196	·208	·1684
·208	·196	·170	·155	·146	·147	·161	·171	·197	·219	·229	·225	·1789
·244	·235	·223	·218	·205	·192	·195	·213	·224	·237	·245	·244	·2110
·271	·263	·251	·234	·230	·226	·222	·241	·258	·269	·273	·270	·2440
·264	·251	·238	·225	·215	·217	·225	·231	·253	·265	·268	·268	·2382
—	—	—	—	—	—	—	—	—	—	—	—	—
·232	·252	·234	·220	·200	·208	·210	·217	·233	·251	·269	·271	·2291
·250	·238	·223	·212	·203	·203	·203	·218	·238	·262	·279	·280	·2275
·264	·256	·244	·226	·218	·217	·220	·237	·247	·263	·281	·283	·2427
·224	·208	·184	·167	·157	·163	·168	·179	·189	·210	·221	·218	·2015
·205	·181	·163	·148	·140	·151	·157	·177	·195	·205	·210	·213	·1760
·194	·185	·161	·147	·138	·147	·148	·152	·171	·192	·209	·216	·1733
—	—	—	—	—	—	—	—	—	—	—	—	—
·238	·265	·256	·238	·232	·223	·232	·250	·273	·287	·299	·305	·2296
·297	·286	·282	·264	·255	·243	·257	·263	·273	·284	·296	·305	·2683
·257	·237	·226	·210	·193	·199	·212	·225	·235	·268	·276	·271	·2343
·2346	·2243	·2107	·1975	·1898	·1918	·1979	·2108	·2280	·2426	·2513	·2518	·2145



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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
MARCH.	1	.269	.252	.224	.212	.207	.202	.203	.218	.239	.258	.266	.277
	2	.303	.296	.292	.278	.263	.257	.255	.253	.258	.277	.289	.308
	3	.318	.301	.280	.260	.238	.228	.232	.241	.256	.267	.284	.293
	4	.315	.297	.276	.245	.231	.221	.216	.220	.239	.258	.270	.280
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	.233	.220	.195	.172	.144	.133	.141	.153	.156	.172	.189	.197
	7	.203	.186	.158	.130	.117	.113	.121	.132	.135	.153	.170	.176
	8	.209	.201	.172	.163	.134	.129	.125	.136	.156	.166	.181	.192
	9	.197	.189	.173	.143	.136	.139	.143	.149	.167	.180	.190	.198
	10	.190	.183	.166	.141	.140	.133	.137	.161	.173	.189	.204	.205
	11	.209	.207	.187	.165	.156	.146	.146	.154	.170	.184	.197	.199
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	.188	.175	.145	.126	.111	.106	.110	.113	.120	.139	.157	.167
	14	.170	.143	.128	.117	.096	.096	.094	.113	.129	.149	.167	.179
	15	.219	.209	.188	.176	.153	.143	.138	.142	.164	.178	.203	.203
	16	.215	.208	.198	.189	.182	.176	.170	.183	.195	.204	.218	.227
	17	.245	.236	.218	.198	.185	.180	.186	.199	.214	.228	.246	.251
	18	.224	.212	.190	.174	.159	.152	.147	.150	.166	.179	.195	.212
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	.249	.232	.214	.195	.186	.186	.188	.190	.209	.227	.246	.259
	21	.270	.260	.235	.219	.211	.192	.205	.217	.237	.262	.263	.266
	22	.284	.268	.250	.227	.208	.195	.194	.197	.208	.218	.233	.238
	23	.254	.231	.209	.198	.184	.182	.181	.184	.194	.204	.222	.237
	24	.233	.220	.194	.181	.173	.156	.162	.174	.182	.199	.219	.225
	25	.215	.192	.176	.161	.143	.139	.157	.167	.183	.194	.210	.217
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	.236	.224	.212	.199	.184	.180	.172	.180	.201	.226	.244	.249
	28	.280	.269	.246	.236	.220	.220	.221	.232	.250	.269	.294	.303
	29	.295	.283	.253	.270	.253	.248	.262	.265	.283	.303	.318	.325
	30	.301	.280	.267	.247	.234	.232	.234	.242	.262	.282	.311	.327
	31	.318	.306	.281	.269	.247	.245	.253	.260	.273	.295	.318	.322
Hourly Means	.2460	.2326	.2121	.1959	.1813	.1751	.1775	.1861	.2007	.2170	.2335	.2419	
APRIL.	1	.311	.290	.269	.244	.235	.237	.252	.265	.279	.294	.315	.325
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	.301	.287	.270	.255	.233	.233	.241	.240	.252	.266	.283	.285
	4	.304	.289	.272	.268	.256	.258	.262	.264	.279	.293	.313	.322
	5	.319	.303	.288	.267	.259	.254	.257	.261	.281	.291	.297	.309
	6	.315	.297	.285	.268	.250	.240	.240	.255	.263	.275	.283	.283
	7	.297	.278	.259	.230	.208	.210	.214	.222	.236	.253	.269	.270
	8	.277	.255	.239	.221	.214	.214	.200	.230	.236	.260	.277	.273
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	.291	.274	.249	.231	.216	.214	.225	.228	.247	.265	.288	.303
	11	.299	.284	.269	.238	.230	.222	.232	.253	.267	.284	.305	.306
	12	.293	.273	.251	.224	.209	.197	.195	.205	.215	.229	.239	.240
	13	.275	.257	.240	.222	.214	.207	.213	.212	.219	.234	.259	.272
	14	.278	.273	.255	.228	.223	.215	.212	.218	.237	.256	.271	.280
	15	.304	.287	.272	.246	.232	.234	.230	.234	.258	.282	.293	.295
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	.319	.300	.286	.274	.252	.256	.258	.252	.260	.274	.277	.294
	18	.275	.262	.241	.229	.212	.207	.216	.217	.225	.237	.256	.258
	19	.265	.237	.225	.220	.204	.208	.203	.207	.222	.231	.245	.255
	20	.266	.242	.233	.222	.212	.208	.202	.214	.214	.230	.239	.235
	21	.233	.217	.207	.188	.175	.178	.187	.195	.203	.218	.223	.233
	22	.260	.242	.232	.207	.186	.177	.176	.182	.197	.209	.232	.243
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	.261	.241	.221	.211	.196	.190	.188	.199	.220	.236	.256	.251
	25	.260	.244	.232	.214	.197	.197	.195	.194	.219	.229	.242	.246
	26	.280	.265	.245	.227	.218	.218	.218	.223	.233	.247	.259	.269
	27	.288	.268	.261	.244	.233	.228	.233	.248	.259	.275	.291	.306
	28	.313	.298	.273	.245	.231	.229	.231	.228	.241	.252	.257	.263
	29	.257	.227	.208	.193	.183	.182	.185	.189	.198	.219	.235	.242
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	.2856	.2676	.2513	.2326	.2191	.2165	.2186	.2254	.2384	.2536	.2682	.2743	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
·286	·277	·273	·257	·245	·239	·254	·269	·282	·292	·307	·307	·2548
·305	·287	·280	·273	·269	·277	·285	·291	·306	·321	·327	·322	·2863
·297	·291	·282	·270	·268	·262	·270	·273	·281	·291	·307	·311	·2754
—	—	—	—	—	—	—	—	—	—	—	—	·2360
·275	·233	·219	·204	·200	·186	·184	·188	·212	·225	·232	·238	·1744
·191	·186	·167	·159	·145	·149	·157	·167	·173	·187	·197	·203	·1518
·171	·157	·136	·125	·120	·118	·130	·140	·165	·181	·197	·209	·1645
·190	·178	·169	·145	·137	·131	·129	·139	·161	·189	·208	·209	·1633
·188	·170	·147	·137	·127	·120	·135	·152	·171	·189	·188	·191	·1763
·197	·185	·164	·158	·156	·156	·171	·183	·193	·209	·219	·217	·1668
—	—	—	—	—	—	—	—	—	—	—	—	·1445
·188	·178	·166	·142	·128	·121	·131	·138	·155	·167	·183	·185	·1524
·173	·167	·158	·136	·123	·115	·123	·135	·158	·172	·175	·175	·1843
·177	·174	·162	·142	·136	·134	·149	·161	·187	·211	·225	·219	·2042
·201	·189	·173	·164	·163	·160	·173	·189	·207	·226	·233	·228	·2174
·227	·221	·209	·191	·186	·184	·184	·199	·215	·231	·243	·246	·2013
·246	·236	·236	·221	·210	·189	·189	·198	·210	·224	·239	·233	·2297
—	—	—	—	—	—	—	—	—	—	—	—	·2467
·213	·234	·225	·212	·198	·191	·205	·213	·226	·243	·255	·257	·2255
·259	·255	·247	·235	·231	·226	·224	·232	·244	·254	·260	·264	·2080
·270	·256	·249	·243	·233	·229	·235	·248	·263	·279	·289	·290	·1915
·233	·229	·224	·207	·197	·193	·197	·211	·227	·245	·268	·260	·1863
·237	·224	·212	·197	·187	·175	·190	·195	·203	·221	·235	·237	·2232
·224	·213	·198	·173	·161	·144	·157	·171	·192	·206	·220	·220	·2627
—	—	—	—	—	—	—	—	—	—	—	—	·2845
·217	·185	·169	·159	·158	·156	·165	·185	·213	·229	·239	·241	·2825
·248	·239	·233	·215	·207	·203	·209	·226	·240	·262	·284	·284	·2890
·298	·286	·277	·258	·246	·234	·247	·263	·279	·286	·293	·298	·2142
·324	·319	·305	·289	·271	·262	·257	·268	·276	·290	·304	·306	·2770
·332	·327	·311	·289	·286	·270	·264	·266	·286	·296	·307	·327	·2675
·319	·303	·276	·266	·262	·269	·272	·291	·306	·324	·331	·331	·2882
·2402	·2296	·2173	·2025	·1944	·1886	·1958	·2071	·2234	·2389	·2506	·2521	·2850
—	—	—	—	—	—	—	—	—	—	—	—	·2723
·325	·293	·279	·275	·261	·243	·245	·252	·272	·284	·296	·308	·2480
·285	·284	·270	·258	·254	·245	·245	·259	·273	·287	·299	·315	·2553
·314	·309	·296	·282	·272	·261	·271	·275	·293	·311	·322	·331	·2619
·311	·304	·290	·274	·262	·252	·256	·274	·277	·309	·319	·325	·2717
·275	·271	·258	·255	·249	·247	·257	·270	·285	·299	·308	·307	·2345
·263	·259	·243	·231	·222	·224	·229	·241	·256	·278	·276	·284	·2411
—	—	—	—	—	—	—	—	—	—	—	—	·2559
·268	·277	·269	·253	·243	·235	·242	·250	·274	·299	·311	·310	·2753
·296	·293	·271	·255	·241	·235	·245	·255	·272	·289	·296	·306	·2740
·304	·287	·275	·259	·250	·245	·242	·261	·282	·299	·308	·317	·2392
·235	·232	·213	·194	·188	·208	·220	·234	·262	·285	·294	·292	·2293
·277	·269	·251	·228	·217	·210	·214	·234	·252	·258	·275	·278	·2212
·285	·287	·267	·256	·248	·240	·238	·240	·261	·278	·283	·313	·2214
—	—	—	—	—	—	—	—	—	—	—	—	·2209
·294	·291	·282	·272	·266	·257	·257	·273	·289	·310	·325	·324	·2216
·306	·298	·283	·258	·251	·250	·253	·258	·266	·272	·285	·293	·2284
·257	·249	·238	·228	·218	·213	·218	·230	·244	·264	·273	·273	·2503
·255	·241	·217	·209	·201	·199	·206	·226	·234	·246	·269	·278	·2739
·230	·219	·203	·197	·193	·189	·199	·210	·226	·232	·244	·249	·2476
·242	·236	·226	·222	·222	·213	·210	·226	·240	·256	·268	·286	·2234
—	—	—	—	—	—	—	—	—	—	—	—	·2209
·239	·235	·221	·199	·193	·202	·210	·226	·246	·254	·262	·271	·2216
·237	·230	·205	·192	·186	·190	·195	·215	·233	·245	·255	·265	·2284
·243	·236	·224	·214	·206	·199	·205	·223	·237	·263	·273	·290	·2503
·274	·270	·254	·238	·235	·232	·226	·242	·264	·281	·290	·298	·2739
·305	·295	·287	·271	·270	·256	·258	·268	·286	·308	·320	·326	·2476
·266	·258	·236	·228	·212	·210	·210	·228	·244	·258	·264	·268	·2234
—	—	—	—	—	—	—	—	—	—	—	—	·2514
·235	·235	·228	·216	·214	·196	·202	·220	·243	·271	·285	·298	·2514
·2728	·2663	·2514	·2386	·2309	·2260	·2301	·2436	·2604	·2774	·2880	·2962	·2514

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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
MAY.	1	·288	·271	·262	·243	·223	·218	·216	·221	·235	·252	·260	·268
	2	·322	·306	·277	·259	·241	·239	·237	·245	·249	·280	·285	·285
	3	·276	·249	·226	·205	·199	·200	·203	·213	·226	·244	·260	·267
	4	·261	·247	·232	·221	·197	·190	·190	·203	·211	·225	·238	·246
	5	·278	·262	·245	·223	·216	·222	·227	·241	·253	·273	·284	·294
	6	·327	·308	·282	·265	·249	·247	·258	·279	·287	·311	·330	·337
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	·289	·271	·245	·223	·207	·215	·229	·240	·251	·275	·289	·279
	9	·284	·255	·243	·237	·230	·232	·233	·249	·266	·284	·294	·299
	10	·306	·288	·268	·246	·242	·241	·246	·258	·266	·279	·294	·307
	11	·331	·321	·297	·274	·263	·264	·266	·275	·285	·299	·313	·313
	12	·353	·341	·314	·290	·281	·280	·281	·282	·290	·304	·326	·325
	13	·355	·342	·320	·304	·294	·291	·295	·295	·311	·323	·338	·334
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	·322	·312	·292	·272	·261	·263	·271	·284	·286	·300	·320	·324
	16	·353	·346	·330	·318	·313	·314	·310	·316	·327	·345	·353	·351
	17	·373	·359	·340	·318	·301	·301	·309	·309	·315	·322	·337	·341
	18	·317	·295	·277	·253	·245	·245	·249	·253	·261	·276	·276	·273
	19	·284	·262	·247	·235	·215	·219	·227	·233	·238	·242	·252	·254
	20	·304	·292	·273	·273	·273	·275	·269	·273	·290	·303	·316	·318
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	·357	·338	·320	·303	·300	·279	·301	·309	·319	·340	·336	·338
	23	·326	·316	·298	·278	·264	·265	·257	·276	·283	·293	·298	·300
	24	·311	·293	·276	·268	·257	·261	·271	·275	·286	·304	·315	·333
	25	·326	·318	·305	·295	·294	·293	·299	·322	·332	·355	·370	·363
	26	·361	·351	·340	·319	·299	·308	·315	·302	·309	·326	·343	·333
	27	·317	·303	·287	·271	·266	·259	·267	·277	·278	·287	·289	·283
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	·307	·300	·280	·256	·263	·268	·279	·291	·302	·317	·331	·332
	30	·372	·366	·342	·337	·327	·326	·328	·337	·343	·353	·356	·365
	31	·396	·375	·367	·351	·342	·337	·340	·358	·379	·387	·385	·381
Hourly Means	·3221	·3069	·2883	·2717	·2616	·2612	·2657	·2747	·2844	·2999	·3107	·3127	
JUNE.	1	·343	·335	·319	·298	·295	·301	·309	·320	·339	·345	·351	·349
	2	·335	·321	·299	·291	·279	·277	·283	·289	·303	·316	·325	·324
	3	·341	·327	·303	·289	·276	·278	·278	·279	·291	·301	·303	·297
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	·290	·265	·241	·230	·227	·220	·228	·236	·245	·274	·275	·282
	6	·283	·268	·239	·232	·225	·226	·246	·260	·271	·289	·297	·295
	7	·335	·321	·309	·297	·293	·299	·305	·298	·315	·321	·339	·340
	8	·359	·355	·334	·326	·329	·336	·336	·348	·360	·379	·387	·379
	9	·405	·406	·390	·371	·352	·354	·372	·382	·399	·411	·424	·436
	10	·443	·428	·413	·402	·399	·399	·400	·409	·422	·428	·432	·437
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	·299	·287	·265	·248	·245	·241	·240	·254	·265	·280	·288	·293
	13	·327	·315	·305	·296	·287	·283	·293	·301	·309	·322	·342	·341
	14	·367	·362	·347	·332	·325	·325	·327	·331	·349	·362	·370	·372
	15	·401	·376	·353	·345	·344	·344	·348	·347	·349	·355	·360	·370
	16	·379	·358	·340	·325	·322	·318	·320	·331	·339	·342	·347	·353
	17	·353	·335	·318	·300	·295	·292	·296	·299	·312	·320	·321	·333
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	·395	·387	·383	·366	·354	·354	·372	·380	·389	·394	·399	·397
	20	·387	·378	·359	·349	·344	·349	·361	·371	·383	·386	·386	·387
	21	·377	·353	·338	·328	·328	·327	·329	·333	·344	·357	·365	·371
	22	·360	·349	·322	·303	·307	·313	·339	·344	·353	·365	·371	·378
	23	·388	·362	·351	·339	·327	·329	·333	·338	·349	·353	·355	·356
	24	·372	·350	·329	·314	·302	·303	·317	·325	·337	·348	·349	·342
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	·359	·346	·327	·310	·308	·319	·323	·328	·339	·347	·360	·375
	27	·401	·395	·376	·355	·353	·349	·349	·352	·367	·369	·385	·393
	28	·444	·421	·395	·383	·370	·370	·379	·387	·395	·402	·414	·416
	29	·393	·377	·353	·333	·333	·339	·343	·354	·361	·363	·361	·361
	30	·335	·305	·290	·278	·274	·278	·288	·295	·310	·311	·319	·311
Hourly Means	·3642	·3493	·3307	·3169	·3113	·3124	·3198	·3266	·3383	·3477	·3548	·3572	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
·274	·272	·269	·265	·258	·256	·264	·265	·281	·297	·317	·324	·2625
·282	·273	·257	·242	·245	·248	·252	·264	·272	·290	·296	·294	·2683
·263	·259	·247	·235	·228	·225	·230	·241	·252	·258	·274	·266	·2353
·243	·238	·225	·225	·217	·210	·215	·231	·245	·253	·276	·280	·2300
·298	·293	·279	·269	·255	·252	·262	·274	·288	·310	·322	·332	·2688
—	—	—	—	—	—	—	—	—	—	—	—	·2812
·337	·300	·278	·258	·241	·223	·235	·241	·267	·283	·299	·307	·2523
·269	·257	·243	·233	·225	·215	·225	·244	·259	·281	·297	·295	·2663
·293	·282	·267	·251	·245	·243	·247	·257	·281	·290	·311	·317	·2825
·301	·291	·280	·274	·269	·267	·273	·285	·302	·319	·334	·345	·3024
·315	·307	·302	·295	·287	·291	·299	·307	·323	·331	·343	·357	·3115
·321	·312	·301	·297	·293	·293	·297	·313	·325	·337	·355	·365	·3031
—	—	—	—	—	—	—	—	—	—	—	—	·3050
·335	·297	·285	·277	·271	·265	·265	·269	·275	·297	·315	·321	·3375
·327	·315	·313	·305	·294	·290	·292	·300	·318	·339	·355	·364	·3175
·347	·345	·343	·335	·323	·315	·321	·333	·341	·361	·380	·379	·2613
·331	·335	·317	·303	·288	·286	·288	·288	·300	·310	·322	·327	·2495
·273	·260	·252	·242	·238	·232	·230	·242	·260	·276	·295	·294	·3198
·255	·250	·241	·238	·227	·226	·226	·244	·270	·290	·300	·312	·3170
—	—	—	—	—	—	—	—	—	—	—	—	·2790
·326	·358	·348	·348	·342	·335	·343	·354	·358	·361	·371	·373	·2948
·334	·324	·311	·300	·295	·291	·297	·301	·317	·331	·335	·333	·3285
·295	·280	·266	·249	·238	·235	·243	·249	·271	·289	·305	·311	·3170
·318	·308	·298	·288	·285	·277	·284	·287	·295	·315	·335	·334	·2749
·356	·340	·334	·318	·307	·312	·309	·321	·335	·347	·366	·366	·3158
·330	·319	·317	·302	·288	·283	·284	·294	·312	·314	·329	·330	·3486
—	—	—	—	—	—	—	—	—	—	—	—	·3548
·281	·276	·264	·249	·244	·244	·244	·255	·262	·279	·301	·314	·2922
·330	·320	·320	·315	·313	·311	·331	·333	·349	·363	·381	·387	·3207
·363	·360	·344	·334	·318	·318	·328	·338	·356	·375	·390	·390	·3078
·381	·374	·356	·354	·330	·323	·320	·320	·325	·341	·347	·345	·2884
·3103	·3017	·2910	·2815	·2727	·2691	·2742	·2833	·2977	·3125	·3278	·3319	·2496
·342	·336	·320	·310	·300	·288	·284	·294	·306	·328	·340	·344	·2643
·321	·317	·311	·297	·286	·288	·292	·301	·313	·325	·347	·347	·3150
—	—	—	—	—	—	—	—	—	—	—	—	·3565
·289	·291	·283	·276	·258	·254	·254	·265	·277	·293	·313	·306	·4106
·280	·267	·253	·237	·223	·220	·221	·227	·238	·255	·275	·281	·3630
·279	·261	·257	·226	·231	·242	·244	·257	·276	·296	·314	·329	·2762
·338	·327	·326	·306	·291	·293	·288	·279	·291	·316	·357	·375	·3197
·371	·353	·352	·335	·331	·335	·340	·350	·364	·388	·402	·406	·3555
·437	·435	·417	·414	·406	·406	·409	·422	·438	·454	·460	·455	·3535
—	—	—	—	—	—	—	—	—	—	—	—	·3356
·437	·349	·333	·309	·282	·279	·272	·273	·280	·292	·311	·302	·3379
·288	·286	·278	·269	·259	·257	·253	·271	·296	·310	·324	·332	·3742
·335	·330	·329	·307	·301	·297	·303	·320	·340	·350	·363	·377	·3656
·368	·360	·357	·343	·339	·336	·346	·352	·368	·384	·399	·410	·3410
·360	·348	·349	·335	·323	·317	·323	·347	·349	·372	·382	·387	·3530
·347	·341	·336	·326	·319	·307	·304	·316	·330	·343	·354	·357	·3412
—	—	—	—	—	—	—	—	—	—	—	—	·3333
·335	·364	·358	·350	·344	·342	·344	·349	·363	·384	·401	·401	·3776
·392	·385	·375	·359	·350	·344	·340	·349	·357	·369	·395	·395	·3900
·380	·373	·369	·351	·337	·338	·342	·342	·357	·375	·385	·385	·2916
·365	·354	·342	·324	·305	·301	·303	·315	·327	·351	·369	·377	·3353
·371	·365	·353	·343	·342	·344	·340	·354	·366	·390	·396	·404	·3333
·352	·340	·326	·320	·302	·310	·308	·312	·332	·354	·372	·380	·3510
—	—	—	—	—	—	—	—	—	—	—	—	·3776
·342	·338	·332	·318	·308	·308	·320	·327	·340	·352	·358	·364	·3900
·369	·370	·358	·342	·336	·334	·338	·344	·382	·396	·406	·409	·3425
·395	·388	·377	·361	·351	·351	·355	·363	·385	·412	·434	·446	·2916
·410	·405	·396	·375	·363	·363	·354	·358	·375	·391	·400	·394	·3353
·355	·343	·333	·319	·305	·299	·309	·312	·327	·341	·357	·349	·3353
·302	·286	·280	·268	·264	·268	·280	·283	·298	·310	·320	·318	·3353
·3523	·3428	·3346	·3200	·3098	·3085	·3102	·3185	·3337	·3512	·3667	·3704	·3353

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 St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
JULY.	1	.307	.281	.259	.250	.251	.263	.272	.275	.276	.291	.293	.294
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	.295	.274	.255	.247	.256	.271	.279	.274	.292	.293	.294	.299
	4	.353	.340	.323	.305	.305	.314	.334	.346	.355	.373	.383	.385
	5	.429	.410	.385	.357	.357	.377	.389	.405	.410	.416	.417	.422
	6	.421	.407	.396	.383	.372	.364	.375	.385	.397	.406	.414	.424
	7	.421	.396	.381	.357	.357	.360	.373	.387	.402	.408	.412	.408
	8	.406	.392	.364	.349	.340	.339	.341	.339	.353	.368	.375	.366
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	.328	.308	.281	.263	.250	.272	.291	.294	.298	.317	.313	.317
	11	.317	.303	.289	.280	.273	.278	.287	.291	.313	.318	.324	.330
	12	.347	.325	.312	.303	.300	.286	.300	.326	.333	.341	.343	.348
	13	.355	.339	.327	.313	.297	.300	.313	.318	.331	.332	.335	.337
	14	.321	.307	.301	.287	.280	.283	.288	.284	.284	.296	.302	.303
	15	.313	.306	.295	.288	.275	.281	.284	.282	.286	.299	.323	.325
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	.387	.361	.346	.341	.350	.347	.351	.362	.369	.374	.370	.363
	18	.381	.364	.353	.333	.328	.320	.318	.332	.340	.354	.349	.358
	19	.368	.352	.330	.304	.297	.303	.306	.313	.319	.322	.328	.339
	20	.354	.340	.338	.331	.326	.332	.338	.348	.354	.362	.378	.387
	21	.421	.404	.396	.366	.357	.377	.393	.396	.401	.407	.427	.419
	22	.412	.392	.383	.366	.352	.356	.359	.359	.364	.374	.384	.389
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	.403	.387	.363	.343	.334	.337	.348	.354	.369	.377	.392	.400
	25	.397	.381	.363	.341	.335	.329	.341	.347	.361	.363	.369	.370
	26	.384	.370	.351	.331	.311	.321	.330	.337	.349	.359	.378	.382
	27	.353	.337	.323	.306	.298	.299	.304	.311	.327	.334	.335	.337
	28	.363	.339	.325	.299	.292	.286	.295	.295	.299	.318	.323	.335
	29	.380	.361	.345	.328	.322	.324	.318	.320	.327	.335	.350	.351
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	.340	.311	.294	.285	.277	.281	.285	.296	.308	.319	.323	.336
Hourly Means	.3675	.3495	.3338	.3175	.3112	.3154	.3235	.3298	.3391	.3483	.3552	.3586	
AUGUST.	1	.329	.313	.298	.283	.281	.283	.290	.293	.291	.304	.306	.308
	2	.334	.331	.304	.291	.285	.281	.285	.304	.322	.338	.348	.347
	3	.349	.339	.330	.318	.323	.319	.327	.343	.363	.372	.377	.382
	4	.363	.351	.337	.334	.323	.330	.340	.348	.362	.375	.385	.383
	5	.395	.366	.350	.331	.313	.319	.329	.337	.347	.363	.369	.372
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	.388	.359	.347	.334	.318	.321	.321	.323	.336	.346	.358	.360
	8	.369	.347	.330	.313	.310	.316	.321	.327	.334	.342	.353	.362
	9	.381	.360	.347	.327	.322	.318	.331	.336	.341	.356	.357	.361
	10	.383	.377	.356	.340	.333	.345	.351	.367	.379	.393	.405	.415
	11	.441	.416	.411	.398	.394	.390	.393	.408	.421	.433	.437	.438
	12	.425	.419	.400	.382	.359	.371	.384	.388	.390	.394	.399	.402
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	.400	.392	.367	.365	.357	.353	.347	.347	.360	.374	.386	.388
	15	.387	.363	.342	.332	.341	.347	.363	.363	.386	.400	.406	.413
	16	.398	.372	.358	.342	.342	.350	.351	.380	.390	.402	.404	.400
	17	.412	.394	.376	.356	.348	.349	.353	.364	.382	.388	.398	.403
	18	.370	.352	.336	.311	.308	.302	.300	.312	.319	.326	.326	.334
	19	.332	.313	.296	.287	.288	.295	.303	.309	.311	.318	.328	.328
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	.348	.328	.309	.305	.290	.302	.308	.321	.340	.350	.357	.359
	22	.348	.326	.307	.298	.279	.281	.285	.283	.307	.325	.334	.345
	23	.351	.331	.318	.295	.291	.291	.297	.311	.323	.337	.351	.366
	24	.379	.363	.340	.320	.309	.305	.311	.315	.320	.327	.342	.343
	25	.361	.354	.341	.339	.340	.341	.344	.350	.369	.383	.391	.401
	26	.401	.392	.382	.373	.369	.371	.377	.385	.402	.415	.430	.435
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	.452	.442	.428	.407	.401	.406	.411	.419	.436	.445	.447	.451
	29	.443	.429	.406	.388	.385	.387	.386	.388	.398	.405	.422	.427
	30	.408	.397	.375	.360	.345	.344	.347	.341	.357	.366	.382	.388
	31	.383	.368	.364	.357	.343	.339	.339	.347	.367	.380	.394	.403
Hourly Means	.3826	.3664	.3502	.3365	.3295	.3317	.3368	.3448	.3575	.3688	.3775	.3820	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	} ·2607
·287	·293	·281	·266	·257	·260	·264	·264	·270	·298	·302	·302	
·306	·307	·305	·288	·276	·272	·286	·295	·312	·340	·353	·361	} ·2929
·388	·383	·379	·364	·356	·358	·362	·364	·376	·407	·430	·433	
·427	·412	·404	·394	·381	·377	·377	·387	·395	·407	·418	·431	} ·3993
·420	·411	·399	·385	·381	·373	·377	·378	·384	·403	·413	·424	
·404	·396	·387	·372	·359	·358	·364	·384	·396	·410	·416	·422	} ·3888
—	—	—	—	—	—	—	—	—	—	—	—	
·366	·310	·306	·292	·277	·278	·287	·294	·304	·314	·326	·327	} ·3339
·311	·299	·289	·277	·262	·254	·254	·266	·280	·296	·312	·318	
·331	·331	·319	·299	·290	·268	·286	·294	·306	·330	·356	·356	} ·3070
·349	·338	·338	·326	·305	·319	·305	·324	·335	·342	·360	·360	
·324	·329	·323	·309	·289	·291	·289	·281	·295	·311	·331	·333	} ·3168
·307	·305	·293	·279	·275	·269	·265	·275	·284	·296	·308	·310	
—	—	—	—	—	—	—	—	—	—	—	—	} ·3293
·322	·377	·372	·361	·351	·341	·353	·354	·360	·370	·394	·391	
·368	·362	·358	·354	·344	·338	·339	·354	·374	·388	·390	·391	} ·3617
·355	·353	·335	·332	·334	·334	·331	·333	·353	·367	·382	·387	
·332	·323	·324	·311	·309	·312	·316	·337	·344	·360	·381	·376	} ·3469
·397	·399	·394	·388	·376	·372	·377	·383	·393	·402	·417	·428	
·407	·407	·398	·382	·364	·352	·360	·368	·375	·391	·400	·412	} ·3294
—	—	—	—	—	—	—	—	—	—	—	—	
·387	·403	·385	·362	·344	·346	·348	·361	·382	·404	·416	·420	} ·3770
·406	·397	·386	·376	·360	·357	·362	·370	·379	·390	·406	·405	
·371	·379	·364	·346	·330	·322	·326	·344	·356	·373	·382	·392	} ·3750
·381	·372	·364	·348	·341	·348	·354	·356	·363	·372	·384	·378	
·336	·347	·345	·325	·303	·312	·320	·338	·358	·362	·382	·381	} ·3568
·337	·334	·322	·304	·304	·309	·317	·332	·343	·365	·379	·385	
—	—	—	—	—	—	—	—	—	—	—	—	} ·3322
·344	·326	·318	·315	·311	·307	·397	·301	·307	·327	·345	·348	
·327	·326	·317	·306	·291	·295	·300	·300	·312	·325	·338	·339	} ·3250
—	—	—	—	—	—	—	—	—	—	—	—	
·3573	·3546	·3463	·3331	·3219	·3201	·3237	·3322	·3437	·3596	·3739	·3773	} ·3096
—	—	—	—	—	—	—	—	—	—	—	—	
·301	·295	·290	·276	·268	·262	·275	·281	·287	·309	·325	·333	} ·3414
·339	·335	·331	·320	·317	·308	·316	·326	·340	·351	·359	·366	
·381	·371	·360	·346	·327	·324	·328	·337	·343	·356	·368	·367	} ·2950
·381	·375	·357	·351	·333	·337	·344	·350	·360	·376	·399	·400	
—	—	—	—	—	—	—	—	—	—	—	—	} ·3241
·371	·358	·353	·343	·330	·334	·340	·354	·362	·378	·398	·405	
·361	·354	·340	·330	·316	·319	·325	·331	·341	·357	·369	·387	} ·3479
·362	·359	·345	·339	·329	·326	·337	·351	·368	·378	·389	·397	
·354	·341	·335	·323	·329	·327	·340	·356	·374	·388	·395	·395	} ·3581
·407	·404	·396	·384	·372	·362	·371	·389	·397	·413	·428	·441	
·423	·411	·393	·393	·383	·384	·388	·406	·412	·412	·435	·442	} ·3549
—	—	—	—	—	—	—	—	—	—	—	—	
·390	·363	·337	·321	·317	·314	·317	·332	·350	·374	·401	·409	} ·3434
·387	·375	·367	·349	·333	·331	·331	·341	·349	·365	·387	·389	
·412	·400	·393	·382	·365	·347	·355	·361	·371	·388	·393	·405	} ·3464
·398	·388	·383	·363	·357	·353	·361	·375	·385	·403	·417	·426	
·400	·382	·371	·353	·337	·333	·331	·341	·351	·365	·381	·384	} ·3498
·332	·320	·307	·295	·284	·286	·294	·297	·311	·325	·334	·342	
—	—	—	—	—	—	—	—	—	—	—	—	} ·3837
·321	·342	·328	·319	·320	·316	·320	·330	·340	·348	·360	·359	
·354	·349	·341	·317	·310	·311	·313	·324	·330	·338	·354	·363	} ·4109
·347	·341	·335	·325	·311	·305	·309	·312	·329	·339	·350	·359	
·365	·356	·347	·336	·331	·321	·321	·335	·351	·363	·375	·385	} ·3724
·340	·332	·323	·311	·305	·290	·291	·317	·325	·347	·359	·375	
·393	·384	·372	·354	·349	·351	·355	·369	·388	·392	·405	·407	} ·3642
—	—	—	—	—	—	—	—	—	—	—	—	
·428	·422	·420	·411	·404	·404	·411	·423	·438	·446	·459	·465	} ·3756
·451	·441	·429	·414	·408	·404	·406	·418	·430	·438	·447	·455	
·420	·408	·396	·380	·363	·360	·359	·380	·391	·403	·404	·410	} ·3791
·394	·392	·380	·364	·347	·341	·350	·362	·372	·384	·400	·399	
·399	·400	·386	·367	·352	·347	·349	·360	·382	·388	·405	·406	} ·3688
—	—	—	—	—	—	—	—	—	—	—	—	
·3782	·3703	·3598	·3469	·3369	·3332	·3384	·3503	·3621	·3749	·3887	·3952	} ·3176
—	—	—	—	—	—	—	—	—	—	—	—	

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 St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10	
SEPTEMBER.	1	·398	·388	·379	·364	·346	·348	·358	·376	·380	·390	·396	·400
	2	·382	·363	·344	·332	·331	·337	·341	·354	·356	·372	·376	·381
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	·366	·355	·339	·314	·312	·326	·338	·338	·354	·366	·378	·386
	5	·390	·362	·346	·329	·319	·318	·316	·329	·338	·346	·361	·362
	6	·342	·328	·308	·293	·275	·288	·296	·309	·331	·346	·354	·351
	7	·332	·332	·314	·299	·273	·272	·284	·292	·313	·323	·334	·339
	8	·356	·337	·314	·304	·302	·301	·309	·309	·320	·334	·341	·336
	9	·332	·324	·299	·292	·289	·291	·303	·304	·315	·319	·331	·335
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	·346	·331	·325	·299	·289	·288	·297	·303	·320	·335	·344	·345
	12	·326	·307	·309	·288	·270	·274	·283	·307	·321	·332	·339	·341
	13	·341	·324	·303	·293	·284	·292	·301	·319	·335	·356	·370	·376
	14	·403	·379	·361	·345	·327	·331	·344	·361	·379	·388	·400	·404
	15	·356	·335	·325	·318	·300	·288	·294	·294	·308	·323	·335	·343
	16	·315	·296	·287	·261	·256	·261	·271	·286	·291	·315	·321	·319
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	·357	·341	·331	·312	·307	·315	·329	·341	·361	·368	·388	·367
	19	·401	·390	·385	·368	·349	·355	·357	·368	·394	·397	·403	·403
	20	·391	·379	·353	·344	·322	·318	·321	·324	·337	·343	·349	·353
	21	·309	·297	·262	·244	·235	·241	·246	·254	·260	·287	·301	·297
	22	·303	·281	·259	·245	·245	·245	·257	·277	·289	·303	·321	·323
	23	·330	·312	·293	·274	·265	·273	·281	·293	·306	·317	·339	·347
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	·380	·364	·355	·342	·331	·318	·333	·343	·356	·375	·397	·407
	26	·413	·396	·379	·358	·345	·357	·374	·381	·391	·403	·416	·414
	27	·397	·377	·352	·330	·305	·295	·308	·308	·321	·336	·336	·346
	28	·306	·288	·261	·250	·246	·246	·249	·266	·280	·291	·309	·313
	29	·306	·296	·282	·279	·269	·263	·269	·284	·307	·322	·332	·341
	30	·329	·323	·314	·304	·290	·282	·288	·294	·308	·328	·346	·342
October 1	—	—	—	—	—	—	—	—	—	—	—	—	
Hourly Means	·3541	·3387	·3223	·3069	·2955	·2970	·3057	·3159	·3297	·3429	·3545	·3566	
OCTOBER.	2	·340	·329	·312	·306	·295	·296	·294	·303	·308	·320	·316	·341
	3	·332	·306	·296	·292	·283	·287	·310	·326	·328	·342	·344	·346
	4	·354	·341	·326	·314	·305	·307	·320	·330	·345	·350	·365	·365
	5	·349	·335	·332	·303	·297	·293	·291	·303	·317	·332	·354	·356
	6	·330	·312	·295	·285	·275	·268	·258	·261	·275	·287	·300	·294
	7	·271	·260	·247	·231	·223	·223	·225	·227	·239	·258	·264	·270
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	·282	·262	·241	·234	·226	·222	·226	·227	·246	·261	·276	·294
	10	·293	·282	·262	·252	·239	·227	·217	·240	·254	·260	·276	·280
	11	·264	·272	·251	·241	·221	·221	·217	·231	·240	·250	·254	·274
	12	·271	·275	·279	·270	·256	·258	·255	·267	·273	·274	·285	·279
	13	·338	·327	·313	·295	·289	·287	·299	·301	·306	·322	·334	·335
	14	·329	·316	·309	·292	·286	·288	·286	·288	·299	·307	·320	·329
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	·314	·297	·288	·281	·258	·250	·249	·267	·273	·279	·283	·283
	17	·265	·257	·250	·236	·227	·215	·223	·235	·242	·255	·273	·283
	18	·305	·293	·277	·255	·257	·248	·260	·279	·279	·284	·301	·305
	19	·327	·319	·298	·288	·286	·281	·284	·298	·307	·324	·335	·337
	20	·297	·281	·258	·239	·234	·224	·226	·237	·249	·272	·279	·287
	21	·245	·234	·217	·193	·192	·195	·198	·221	·236	·243	·264	·273
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	·307	·295	·287	·270	·266	·260	·256	·277	·281	·296	·308	·306
	24	·309	·293	·281	·283	·253	·250	·250	·252	·269	·281	·283	·290
	25	·288	·280	·261	·255	·234	·226	·229	·241	·246	·257	·269	·283
	26	·278	·276	·255	·253	·244	·240	·242	·249	·259	·282	·299	·303
	27	·303	·297	·283	·274	·257	·251	·257	·280	·297	·311	·324	·335
	28	·339	·325	·311	·298	·299	·291	·294	·304	·311	·331	·339	·343
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	·332	·315	·297	·277	·263	·256	·260	·272	·291	·303	·315	·309
	31	·306	·305	·285	·266	·256	·250	·258	·261	·272	·291	·305	·307
	Hourly Means	·3065	·2955	·2812	·2686	·2585	·2544	·2571	·2683	·2785	·2912	·3025	·3080

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.
11	12	13	14	15	16	17	18	19	20	21	22	
.403	.392	.378	.356	.349	.346	.350	.359	.386	.388	.396	.390	.3757
—	—	—	—	—	—	—	—	—	—	—	—	.3460
.377	.336	.316	.308	.298	.302	.317	.325	.345	.359	.371	.382	.3534
.382	.362	.346	.336	.333	.328	.338	.355	.368	.374	.392	.396	.3339
.356	.348	.334	.314	.294	.292	.306	.313	.323	.331	.339	.347	.3143
.341	.324	.310	.300	.284	.281	.291	.297	.312	.318	.326	.337	.3130
.341	.328	.308	.296	.294	.283	.295	.303	.317	.331	.353	.357	.3177
.337	.330	.316	.304	.298	.293	.290	.294	.316	.324	.326	.334	.3141
—	—	—	—	—	—	—	—	—	—	—	—	.3175
.332	.332	.324	.307	.288	.290	.300	.305	.311	.315	.343	.358	.3059
.346	.328	.318	.310	.300	.288	.291	.302	.314	.335	.331	.336	.3468
.332	.316	.303	.283	.275	.275	.279	.291	.302	.308	.333	.347	.3644
.378	.369	.351	.345	.341	.346	.350	.356	.374	.397	.404	.417	.3155
.402	.396	.380	.352	.344	.332	.331	.345	.351	.357	.363	.371	.3144
.341	.336	.322	.306	.291	.383	.289	.299	.307	.311	.331	.328	.3564
—	—	—	—	—	—	—	—	—	—	—	—	.3729
.320	.347	.335	.330	.319	.318	.324	.329	.351	.359	.368	.367	.3279
.361	.361	.349	.342	.337	.344	.355	.375	.397	.405	.401	.409	.2713
.397	.386	.360	.352	.331	.325	.338	.345	.369	.386	.393	.397	.2943
.345	.336	.320	.297	.296	.288	.301	.305	.309	.307	.317	.314	.3187
.291	.282	.261	.261	.249	.238	.247	.263	.283	.291	.304	.309	.3741
.325	.309	.293	.291	.278	.286	.298	.306	.322	.335	.335	.337	.3797
—	—	—	—	—	—	—	—	—	—	—	—	.3160
.350	.352	.335	.319	.307	.289	.299	.310	.340	.356	.378	.383	.3039
.416	.411	.391	.377	.357	.353	.351	.365	.391	.412	.427	.426	.3106
.408	.397	.385	.351	.342	.345	.348	.362	.366	.383	.396	.403	.3283
.342	.318	.302	.290	.278	.266	.272	.288	.290	.304	.311	.312	.3176
.313	.296	.289	.267	.255	.251	.255	.264	.274	.296	.309	.312	.3039
.335	.328	.316	.298	.288	.282	.290	.300	.313	.330	.331	.332	.3106
—	—	—	—	—	—	—	—	—	—	—	—	.3106
.338	.329	.315	.304	.288	.280	.268	.295	.298	.316	.332	.343	.3106
.3542	.3442	.3291	.3152	.3044	.3002	.3067	.3173	.3319	.3434	.3542	.3594	.3283
.327	.318	.308	.304	.292	.294	.310	.319	.341	.354	.352	.344	.3176
.342	.341	.320	.309	.294	.286	.306	.318	.346	.360	.360	.356	.3221
.363	.354	.336	.318	.302	.303	.314	.326	.344	.359	.360	.356	.3357
.355	.339	.334	.310	.290	.292	.298	.310	.312	.326	.344	.345	.3215
.292	.290	.266	.259	.241	.241	.241	.243	.258	.270	.274	.271	.2744
—	—	—	—	—	—	—	—	—	—	—	—	.2458
.259	.261	.241	.219	.217	.220	.234	.246	.256	.264	.270	.273	.2535
.274	.270	.245	.241	.239	.231	.238	.242	.252	.272	.290	.293	.2456
.282	.257	.233	.215	.199	.205	.205	.217	.237	.261	.253	.249	.2390
.250	.232	.218	.232	.194	.205	.181	.197	.213	.244	.264	.270	.2819
.277	.280	.275	.265	.269	.265	.275	.289	.311	.333	.338	.347	.3085
.329	.322	.308	.283	.277	.271	.281	.290	.309	.325	.329	.335	.2944
—	—	—	—	—	—	—	—	—	—	—	—	.2638
.327	.307	.285	.263	.243	.241	.244	.276	.294	.308	.314	.314	.2530
.273	.263	.243	.233	.217	.222	.233	.243	.260	.276	.277	.269	.2898
.276	.259	.249	.233	.211	.220	.229	.249	.267	.300	.310	.309	.2930
.299	.301	.289	.275	.255	.263	.291	.291	.323	.344	.351	.329	.2422
.322	.307	.277	.258	.238	.245	.254	.262	.288	.296	.301	.299	.2519
.273	.251	.224	.208	.193	.197	.204	.220	.222	.230	.254	.253	.2755
—	—	—	—	—	—	—	—	—	—	—	—	.2632
.265	.296	.273	.264	.246	.248	.260	.262	.292	.302	.308	.318	.2474
.290	.278	.264	.250	.246	.234	.235	.244	.277	.286	.296	.302	.2690
.289	.269	.245	.228	.208	.212	.220	.234	.260	.279	.287	.292	.2985
.277	.252	.224	.206	.204	.206	.218	.228	.244	.257	.272	.280	.3033
.292	.278	.268	.252	.248	.250	.247	.259	.273	.297	.305	.307	.2916
.329	.308	.302	.286	.276	.282	.291	.298	.316	.326	.338	.344	.2808
—	—	—	—	—	—	—	—	—	—	—	—	.2791
.336	.292	.276	.264	.252	.262	.270	.276	.295	.308	.327	.336	.2791
.302	.294	.284	.266	.260	.260	.268	.292	.312	.320	.330	.321	.2791
.318	.297	.279	.263	.254	.257	.254	.266	.284	.302	.303	.301	.2791
.3007	.2891	.2695	.2578	.2448	.2466	.2539	.2653	.2841	.3000	.3080	.3082	.2791



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 St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10	
NOVEMBER.	1	·291	·274	·265	·259	·253	·245	·257	·260	·273	·284	·295	·301
	2	·296	·289	·279	·262	·252	·256	·254	·261	·282	·281	·292	·293
	3	·296	·287	·274	·262	·240	·229	·245	·255	·280	·300	·317	·330
	4	·313	·301	·283	·270	·256	·243	·252	·255	·272	·292	·301	·307
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	·251	·240	·213	·195	·188	·172	·172	·185	·199	·215	·229	·235
	7	·246	·235	·220	·206	·199	·196	·197	·199	·210	·223	·234	·249
	8	·270	·263	·248	·236	·231	·229	·227	·242	·253	·272	·284	·286
	9	·287	·282	·250	·236	·230	·215	·207	·226	·236	·263	·283	·297
	10	·272	·254	·227	·211	·189	·183	·189	·193	·211	·238	·253	·269
	11	·279	·275	·265	·247	·232	·222	·229	·229	·233	·247	·248	·259
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	·291	·272	·250	·235	·226	·221	·223	·229	·243	·253	·273	·284
	14	·269	·247	·235	·218	·209	·203	·199	·219	·241	·263	·278	·280
	15	·276	·266	·247	·235	·217	·211	·215	·229	·243	·253	·261	·267
	16	·268	·257	·253	·236	·240	·224	·227	·231	·237	·249	·262	·270
	17	·254	·239	·232	·220	·207	·204	·219	·227	·248	·268	·284	·288
	18	·297	·280	·269	·250	·246	·244	·246	·260	·283	·306	·318	·327
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	·280	·272	·257	·245	·231	·226	·226	·241	·245	·251	·271	·284
	21	·289	·280	·263	·249	·243	·235	·238	·244	·263	·278	·283	·290
	22	·281	·271	·249	·236	·228	·203	·205	·223	·238	·250	·257	·257
	23	·283	·269	·251	·232	·208	·200	·198	·210	·220	·236	·255	·275
	24	·227	·214	·199	·184	·174	·162	·167	·179	·192	·217	·227	·241
	25	·227	·219	·206	·198	·193	·185	·185	·193	·207	·234	·241	·246
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	·289	·278	·262	·247	·228	·225	·229	·242	·265	·288	·306	·315
	28	·297	·292	·278	·260	·232	·220	·222	·232	·238	·243	·271	·277
	29	·297	·284	·275	·255	·244	·234	·248	·248	·251	·268	·283	·291
	30	·267	·267	·255	·241	·239	·227	·231	·244	·251	·255	·262	·258
	Hourly Means	·2767	·2657	·2502	·2356	·2244	·2159	·2195	·2291	·2428	·2587	·2718	·2798
DECEMBER.	1	·254	·241	·229	·225	·209	·203	·207	·217	·238	·254	·285	·287
	2	·303	·301	·289	·273	·257	·251	·250	·257	·281	·289	·293	·299
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	·253	·249	·241	·221	·199	·202	·200	·222	·234	·245	·258	·266
	5	·289	·276	·253	·239	·222	·212	·224	·232	·253	·271	·287	·293
	6	·305	·292	·283	·271	·253	·247	·250	·251	·265	·285	·301	·305
	7	·319	·311	·295	·280	·260	·253	·257	·273	·287	·293	·301	·310
	8	·308	·293	·281	·265	·247	·231	·228	·241	·267	·287	·293	·316
	9	·315	·298	·294	·284	·279	·272	·269	·280	·284	·296	·299	·305
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	·289	·281	·275	·250	·242	·236	·238	·242	·255	·269	·277	·285
	12	·323	·319	·303	·297	·271	·266	·270	·280	·289	·301	·319	·315
	13	·336	·332	·319	·309	·289	·288	·289	·290	·305	·314	·332	·329
	14	·319	·308	·295	·286	·272	·264	·272	·274	·285	·290	·296	·320
	15	·310	·299	·284	·280	·264	·252	·253	·266	·285	·304	·300	·313
	16	·318	·311	·284	·276	·252	·246	·248	·248	·266	·278	·292	·307
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	·333	·315	·293	·280	·259	·249	·246	·268	·289	·306	·320	·337
	19	·326	·310	·294	·289	·273	·267	·267	·275	·290	·317	·323	·322
	20	·320	·309	·291	·285	·262	·243	·250	·262	·271	·282	·305	·299
	21	·265	·257	·243	·225	·205	·189	·190	·206	·217	·226	·226	·238
	22	·235	·222	·218	·197	·181	·167	·174	·184	·199	·208	·225	·218
	23	·218	·217	·196	·176	·166	·157	·163	·176	·192	·203	·199	·199
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	·211	·198	·185	·166	·142	·137	·132	·141	·156	·175	·186	·192
	27	·214	·196	·179	·164	·153	·145	·149	·152	·158	·171	·174	·192
	28	·161	·145	·137	·122	·106	·101	·107	·128	·142	·167	·180	·182
	29	·187	·174	·169	·158	·150	·151	·159	·177	·182	·193	·209	·221
	30	·246	·237	·226	·212	·199	·195	·203	·204	·219	·230	·248	·262
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	·2783	·2676	·2542	·2412	·2245	·2169	·2198	·2298	·2444	·2582	·2691	·2765	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
·295	·287	·266	·255	·248	·254	·262	·274	·298	·302	·292	·297	·2745
·295	·278	·257	·253	·241	·246	·243	·265	·290	·302	·301	·297	·2735
·315	·299	·287	·263	·254	·252	·257	·275	·293	·304	·317	·314	·2810
—	—	—	—	—	—	—	—	—	—	—	—	·2368
·259	·243	·217	·199	·196	·197	·209	·221	·227	·247	·263	·259	·2072
·229	·214	·188	·178	·177	·181	·191	·207	·215	·222	·235	·243	·2225
·249	·239	·223	·201	·191	·188	·195	·211	·237	·255	·269	·269	·2557
·277	·271	·247	·233	·225	·224	·230	·246	·268	·287	·296	·293	·2566
·287	·287	·264	·243	·229	·227	·237	·252	·261	·289	·289	·281	·2351
·264	·253	·236	·223	·216	·218	·220	·244	·257	·265	·281	·276	·2593
—	—	—	—	—	—	—	—	—	—	—	—	·2525
·296	·285	·265	·252	·243	·244	·250	·262	·280	·287	·300	·295	·2463
·274	·258	·240	·232	·222	·233	·243	·253	·265	·281	·281	·279	·2473
·272	·257	·237	·232	·223	·227	·233	·251	·265	·278	·292	·284	·2432
·258	·254	·232	·215	·224	·224	·238	·258	·274	·282	·280	·276	·2552
·258	·246	·233	·213	·215	·223	·227	·239	·253	·261	·261	·255	·2661
·285	·271	·257	·237	·235	·241	·254	·271	·286	·287	·307	·305	·2599
—	—	—	—	—	—	—	—	—	—	—	—	·2625
·289	·272	·251	·237	·229	·229	·231	·245	·255	·268	·273	·281	·2474
·284	·264	·245	·234	·227	·239	·249	·273	·287	·297	·307	·304	·2355
·283	·267	·251	·239	·232	·237	·248	·266	·274	·280	·284	·283	·2082
·258	·250	·237	·227	·226	·225	·237	·250	·268	·281	·287	·293	·2395
·269	·257	·242	·223	·211	·217	·220	·232	·234	·240	·239	·232	·2687
·236	·221	·209	·200	·201	·205	·207	·213	·223	·230	·237	·233	·2625
—	—	—	—	—	—	—	—	—	—	—	—	·2640
·293	·283	·261	·239	·225	·232	·245	·267	·281	·295	·295	·297	·2365
·305	·285	·259	·245	·236	·242	·251	·267	·293	·295	·299	·299	—
·277	·267	·249	·241	·243	·248	·255	·273	·289	·301	·299	·297	—
·281	·273	·251	·242	·236	·235	·241	·257	·287	·295	·287	·274	—
·242	·224	·208	·194	·200	·200	·212	·216	·235	·245	·252	·250	—
·2742	·2617	·2428	·2288	·2233	·2265	·2340	·2495	·2652	·2760	·2817	·2795	·2506
·281	·256	·244	·235	·233	·232	·254	·270	·294	·304	·318	·308	·2532
—	—	—	—	—	—	—	—	—	—	—	—	·2575
·268	·255	·231	·219	·207	·202	·213	·229	·246	·254	·255	·258	·2387
·257	·255	·237	·209	·209	·215	·227	·243	·253	·265	·281	·288	·2642
·290	·275	·251	·244	·247	·249	·249	·273	·291	·301	·313	·307	·2800
·301	·287	·269	·261	·247	·249	·261	·283	·304	·308	·318	·325	·2842
·307	·295	·276	·256	·251	·254	·258	·274	·290	·302	·306	·312	·2803
·311	·293	·277	·266	·254	·258	·268	·285	·303	·310	·324	·321	·2801
—	—	—	—	—	—	—	—	—	—	—	—	·2733
·295	·282	·266	·249	·240	·239	·241	·267	·287	·292	·297	·293	·2963
·291	·282	·267	·249	·249	·253	·267	·291	·301	·317	·329	·325	·3062
·313	·299	·289	·275	·261	·265	·275	·291	·303	·323	·332	·332	·2875
·325	·301	·287	·269	·267	·275	·285	·301	·315	·325	·335	·331	·2850
·312	·295	·271	·252	·249	·251	·265	·285	·299	·315	·313	·311	·2864
·303	·285	·268	·259	·255	·255	·265	·280	·301	·315	·322	·322	·2997
—	—	—	—	—	—	—	—	—	—	—	—	·2971
·319	·301	·283	·270	·258	·261	·271	·295	·309	·319	·329	·333	·2692
·328	·323	·299	·283	·275	·276	·284	·303	·321	·339	·333	·335	·2161
·312	·300	·287	·276	·267	·265	·273	·296	·315	·322	·331	·334	·2028
·288	·274	·245	·232	·229	·224	·235	·258	·271	·276	·276	·274	·1951
·234	·223	·191	·170	·162	·159	·185	·219	·232	·240	·242	·242	—
·209	·185	·184	·182	·175	·181	·193	·217	·219	·231	·235	·228	—
—	—	—	—	—	—	—	—	—	—	—	—	·1732
·210	·198	·190	·181	·169	·169	·179	·201	·219	·231	·237	·236	·1618
—	—	—	—	—	—	—	—	—	—	—	—	·1530
·194	·178	·158	·144	·144	·150	·158	·177	·201	·201	·215	·217	·1943
·186	·166	·147	·130	·121	·115	·131	·155	·159	·171	·177	·178	—
·181	·167	·144	·138	·134	·138	·151	·163	·189	·199	·198	·193	—
·213	·202	·188	·180	·172	·170	·185	·223	·243	·252	·255	·251	—
—	—	—	—	—	—	—	—	—	—	—	—	·2434
·293	·274	·250	·234	·230	·227	·233	·253	·273	·291	·301	·302	—
·2728	·2580	·2399	·2265	·2202	·2213	·2322	·2533	·2695	·2801	·2869	·2862	·2511

STANDARD THERMOMETER.												
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10
Dec. 31, 1842	65°3	66°6	65°1	63°6	65°1	66°6	64°6	63°2	61°6	61°8	61°6	61°5
1	—	—	—	—	—	—	—	—	—	—	—	—
2	66·2	64·6	65·2	63·8	64·1	63·7	63·0	62·4	61·8	62·0	61·6	61·4
3	65·5	67·2	68·5	68·7	67·8	67·9	66·6	64·4	63·6	63·0	62·2	61·7
4	66·0	66·7	66·0	66·2	68·2	68·9	66·3	63·8	63·1	62·6	61·8	62·2
5	64·5	63·4	63·4	63·1	65·4	65·4	63·5	62·8	62·1	62·0	61·8	61·8
6	64·6	67·6	69·0	67·1	66·8	65·5	64·8	63·6	63·0	62·7	62·5	62·6
7	65·7	67·1	69·0	69·0	68·0	67·0	66·6	66·1	63·5	62·0	61·2	61·2
8	—	—	—	—	—	—	—	—	—	—	—	—
9	63·8	67·4	69·5	69·7	69·9	68·8	68·3	66·2	64·7	63·8	63·5	63·4
10	66·9	68·4	69·2	69·2	69·1	67·4	66·6	65·7	64·3	63·9	63·8	63·8
11	66·8	68·4	68·3	68·2	68·3	67·4	66·6	65·4	64·4	64·0	63·8	63·6
12	69·1	70·4	70·9	70·7	70·8	70·2	67·9	66·1	64·6	64·0	64·0	63·5
13	68·5	69·4	70·1	69·6	69·4	68·4	67·3	65·1	64·5	64·0	63·8	63·8
14	67·0	68·0	68·2	68·7	68·3	67·7	66·3	65·1	64·0	63·3	63·4	63·2
15	—	—	—	—	—	—	—	—	—	—	—	—
16	69·5	70·0	69·6	68·6	68·4	67·4	66·8	65·0	63·7	63·3	63·7	63·6
17	66·9	69·0	69·8	69·4	67·9	67·4	67·6	65·2	64·3	63·6	63·0	63·0
18	68·4	69·6	68·9	68·2	68·0	69·0	68·9	66·6	64·8	64·0	63·6	63·3
19	67·6	70·0	69·8	68·9	69·6	68·5	67·5	66·0	64·3	63·8	63·6	63·4
20	66·6	68·2	68·3	68·1	66·7	66·4	66·1	65·3	64·5	64·3	64·1	63·9
21	68·6	70·1	68·2	68·7	66·8	66·6	65·4	65·0	64·1	64·3	63·8	63·5
22	—	—	—	—	—	—	—	—	—	—	—	—
23	69·2	70·2	70·3	69·0	68·5	67·8	66·3	65·5	64·6	64·4	63·8	63·0
24	69·4	69·6	70·4	69·2	70·3	71·2	69·2	68·4	66·2	64·9	64·4	64·1
25	68·9	70·8	72·0	72·3	71·9	71·0	68·7	67·1	65·9	65·5	65·0	64·5
26	69·0	69·4	69·4	70·9	70·0	68·9	68·1	67·1	66·1	65·5	64·7	64·5
27	67·6	68·8	70·1	70·6	70·3	69·7	69·5	67·6	66·0	65·1	65·0	64·8
28	69·2	71·3	73·1	72·6	71·6	70·2	68·7	68·1	66·5	66·0	65·5	65·4
29	—	—	—	—	—	—	—	—	—	—	—	—
30	69·7	68·3	71·5	72·5	70·8	69·5	68·2	66·8	65·7	64·8	64·2	64·4
31	67·8	69·1	70·6	70·1	70·5	69·8	67·3	65·5	65·0	64·8	64·0	64·0
Hourly Means	67·34	68·50	69·05	68·69	68·61	68·09	66·91	65·52	64·33	63·83	63·46	63·30
1	67·8	70·9	69·7	69·3	69·6	69·0	68·1	66·2	65·1	64·6	64·5	64·3
2	69·3	69·8	71·4	70·9	72·2	71·8	69·0	67·4	66·0	65·3	64·9	64·4
3	69·5	70·7	70·5	69·6	70·3	69·8	68·3	66·6	65·2	64·8	64·3	64·2
4	69·4	70·7	71·4	71·6	71·8	71·5	68·2	66·7	65·9	65·4	65·1	65·1
5	—	—	—	—	—	—	—	—	—	—	—	—
6	66·6	66·6	68·0	69·6	69·7	68·9	64·4	66·2	65·4	64·9	64·8	64·7
7	66·7	67·3	68·5	68·8	68·2	67·6	66·4	65·5	64·9	64·4	64·2	64·0
8	68·0	67·8	68·2	70·9	70·2	68·4	66·5	65·9	65·2	64·8	64·6	64·7
9	70·3	69·8	69·5	68·5	67·7	67·4	65·9	65·2	64·5	64·0	64·1	63·6
10	69·7	69·9	71·0	71·8	71·5	70·4	70·7	68·5	66·3	64·8	64·6	64·6
11	69·2	70·6	71·4	70·9	70·9	70·8	68·2	66·7	65·8	65·4	64·8	64·6
12	—	—	—	—	—	—	—	—	—	—	—	—
13	69·1	69·6	71·4	71·2	70·9	69·0	69·8	67·2	65·0	64·8	64·1	64·2
14	66·4	66·4	67·1	67·4	66·0	64·4	64·2	64·2	64·0	63·2	63·6	63·9
15	67·4	67·9	68·0	68·5	68·9	68·8	68·4	67·6	65·6	65·0	64·7	64·5
16	68·0	69·2	69·0	69·1	68·6	67·8	67·2	66·1	65·3	65·1	64·8	64·3
17	68·5	70·8	70·6	71·3	71·4	71·1	69·9	67·6	66·0	65·0	65·5	65·5
18	69·8	70·5	71·7	72·0	72·6	70·6	69·0	68·0	66·1	65·7	65·2	65·0
19	—	—	—	—	—	—	—	—	—	—	—	—
20	69·8	71·7	72·5	73·0	72·7	72·5	71·6	68·8	67·0	66·3	65·6	65·6
21	70·2	72·0	72·4	72·1	72·8	71·4	70·2	69·4	67·2	65·7	64·6	64·3
22	70·7	71·2	72·4	72·5	71·7	71·9	70·6	69·1	66·9	66·4	66·0	65·7
23	69·9	71·5	72·6	73·5	73·2	73·2	71·0	69·3	68·2	67·5	66·7	66·4
24	71·1	72·1	72·5	73·2	72·2	70·1	68·4	67·0	65·8	65·4	65·3	65·2
25	70·2	71·7	72·5	72·9	71·6	71·9	71·2	68·7	67·6	67·2	67·1	67·1
26	—	—	—	—	—	—	—	—	—	—	—	—
27	67·0	66·4	66·6	66·4	66·3	66·4	65·8	65·5	64·9	65·2	65·1	65·0
28	67·6	68·6	69·0	70·1	67·7	66·9	66·2	65·0	64·8	64·5	64·2	64·1
Hourly Means	68·84	69·74	70·33	70·63	70·36	69·65	68·30	67·02	65·78	65·22	64·93	64·79

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
61.2	—	—	—	—	—	—	—	—	—	—	—	62.76
—	61.8	61.5	61.0	61.2	61.2	60.7	61.1	61.1	62.1	63.0	63.8	62.14
61.1	60.7	60.6	60.7	61.0	60.6	60.5	60.6	60.5	61.4	61.3	62.6	63.29
61.3	61.0	60.8	61.0	60.7	60.6	60.5	60.4	60.5	61.4	61.0	62.7	63.15
61.6	61.0	60.8	61.2	61.2	60.7	60.6	61.2	61.0	61.0	62.2	61.4	62.23
61.5	60.5	60.5	60.3	60.8	61.0	60.7	59.8	61.0	62.3	62.1	63.9	63.50
62.7	62.4	61.5	61.1	61.5	61.3	61.4	60.8	61.5	63.2	63.2	63.7	63.87
61.3	—	—	—	—	—	—	—	—	—	—	—	64.83
—	62.4	61.7	61.4	61.9	62.0	61.3	61.6	61.6	62.2	63.6	65.6	65.02
63.0	62.5	63.0	62.1	62.9	62.5	62.0	61.7	62.8	63.7	65.8	65.0	64.99
63.5	63.3	63.2	63.1	63.2	63.1	63.0	62.8	63.4	63.7	64.5	65.4	65.65
63.5	63.5	63.4	62.6	62.8	63.0	63.2	63.0	62.8	64.2	65.7	67.0	65.05
63.3	63.1	62.8	62.4	62.6	62.1	62.0	62.0	62.8	65.0	66.9	68.4	64.47
63.4	63.1	63.2	63.0	62.4	62.5	62.0	62.0	62.3	63.2	64.7	65.5	64.57
63.0	—	—	—	—	—	—	—	—	—	—	—	64.77
—	62.7	62.5	62.2	62.1	61.8	61.6	61.8	62.2	62.9	64.5	66.8	64.91
63.2	62.5	62.0	62.0	61.9	61.5	61.3	61.5	62.1	63.2	64.2	64.7	64.94
62.9	62.7	62.5	62.3	61.8	62.0	62.0	61.8	63.0	64.0	65.7	66.6	64.89
63.4	63.4	62.7	62.6	62.2	62.1	61.8	61.8	61.7	62.1	64.1	66.7	64.99
63.0	62.9	62.7	62.7	62.7	62.7	62.6	62.7	63.1	62.5	63.5	64.4	65.23
63.8	63.2	63.2	63.3	63.1	63.0	63.0	63.1	63.1	63.7	66.1	66.4	65.91
63.8	—	—	—	—	—	—	—	—	—	—	—	66.42
—	63.9	63.4	63.5	62.7	62.4	62.8	62.6	63.2	63.9	65.8	68.6	66.03
63.0	63.1	63.1	63.1	62.6	62.3	62.5	62.6	63.5	65.2	64.9	67.1	66.25
63.6	63.4	63.4	62.8	62.6	62.4	62.6	62.8	63.3	64.3	65.9	67.5	66.67
64.1	63.9	63.6	63.1	63.1	63.0	63.0	63.1	63.6	64.8	67.2	68.0	66.27
64.0	64.0	64.4	64.3	63.7	63.5	63.3	63.4	63.7	64.8	65.6	66.5	65.77
64.6	64.5	64.4	64.4	63.8	63.8	64.0	63.7	64.0	64.8	65.9	67.1	64.76
64.8	—	—	—	—	—	—	—	—	—	—	—	
—	64.5	64.1	63.8	63.7	63.4	63.2	63.9	63.6	63.9	65.4	67.5	
64.3	64.3	63.6	63.8	63.6	63.5	63.7	64.0	64.6	65.2	66.0	67.6	
64.2	63.7	63.5	63.2	63.3	63.3	63.3	63.5	63.6	64.2	66.5	67.7	
63.08	62.89	62.67	62.48	62.41	62.27	62.17	62.20	62.58	63.44	64.64	65.86	64.76
64.2	64.2	63.9	63.4	63.4	63.6	63.5	63.3	62.9	63.9	64.9	66.2	65.69
64.3	64.2	64.1	63.8	63.7	63.4	63.2	63.2	63.6	64.0	65.6	68.2	66.40
63.8	63.5	63.4	63.2	63.5	63.4	63.0	63.0	63.0	64.0	66.4	68.4	65.93
64.7	—	—	—	—	—	—	—	—	—	—	—	66.48
—	64.7	64.1	64.3	64.2	64.4	65.9	64.0	64.2	62.8	64.8	66.7	65.35
64.6	64.4	64.2	64.1	64.2	64.1	64.0	63.8	62.7	62.8	64.0	65.6	65.29
64.2	63.8	63.7	63.6	63.5	63.4	63.6	63.8	64.2	64.5	65.6	66.6	65.87
64.4	64.3	64.2	64.0	63.5	63.7	63.7	63.4	64.2	65.2	66.9	68.3	65.20
63.4	63.3	63.3	63.2	62.9	63.2	63.2	62.4	61.4	63.4	66.4	68.2	66.20
64.6	63.9	64.0	63.8	62.4	62.1	62.6	63.5	62.4	64.4	65.0	66.3	65.79
64.5	—	—	—	—	—	—	—	—	—	—	—	66.21
—	63.3	62.3	62.5	62.7	62.4	62.4	61.8	62.8	63.4	64.6	67.0	64.53
64.3	64.3	64.3	64.0	63.9	64.0	63.4	64.0	64.2	64.6	65.4	66.4	65.57
63.9	63.6	63.7	63.6	63.7	63.6	63.4	63.4	63.6	64.1	64.9	66.4	65.69
64.0	64.2	64.0	63.8	63.2	63.0	62.6	62.8	63.1	64.4	66.4	66.8	66.87
64.3	64.2	63.8	63.5	63.6	63.6	63.8	63.2	63.4	64.6	66.0	68.0	66.84
65.3	65.2	65.2	65.0	64.5	64.4	64.3	64.1	64.6	65.0	66.2	67.8	67.56
64.4	—	—	—	—	—	—	—	—	—	—	—	67.16
—	64.5	64.0	63.7	63.9	63.4	63.8	63.8	64.3	65.4	67.6	69.2	67.47
65.1	64.6	64.6	64.3	64.4	64.2	63.8	64.3	64.6	66.3	67.6	70.6	68.30
65.1	65.0	64.5	64.4	64.3	63.8	63.4	63.8	64.6	65.1	67.0	68.5	67.18
65.6	65.2	65.0	65.0	64.9	64.1	63.7	64.4	64.7	65.5	67.0	69.1	68.34
66.8	66.2	65.4	64.8	65.6	65.8	65.8	65.5	65.9	66.6	68.4	69.5	65.19
65.1	64.7	65.0	64.2	64.3	64.4	64.4	64.9	65.2	65.6	68.0	68.3	64.92
66.9	—	—	—	—	—	—	—	—	—	—	—	
—	67.1	67.0	67.0	66.6	66.7	66.3	66.3	66.5	66.6	66.7	66.8	
65.2	64.8	64.5	64.5	63.2	63.9	64.1	64.2	63.8	63.8	64.5	67.6	
63.7	63.7	63.2	63.6	63.2	63.2	61.7	61.4	62.9	62.3	64.0	66.6	
64.68	64.45	64.22	64.05	63.89	63.82	63.65	63.68	63.87	64.51	65.99	67.63	66.25

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
MARCH.	1	68.3	69.7	70.2	70.5	70.5	69.3	67.8	66.4	65.2	64.7	64.4	
	2	68.2	68.6	68.5	69.3	68.2	67.3	66.2	65.8	65.0	64.5	64.4	
	3	67.3	67.7	66.9	68.0	66.5	67.6	67.0	65.2	65.0	64.4	64.0	
	4	64.5	66.0	66.0	66.8	66.3	66.4	66.5	65.2	64.4	63.6	63.3	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	67.1	68.0	67.5	69.6	70.7	68.1	67.5	66.5	65.4	65.2	64.8	64.6
	7	69.7	69.0	68.5	70.0	70.4	71.0	69.1	67.6	66.7	66.4	66.0	65.8
	8	66.7	66.8	67.4	67.1	68.6	67.7	67.4	66.0	65.6	65.4	65.3	65.3
	9	66.5	66.2	66.5	66.0	65.5	65.0	65.2	64.8	64.5	64.6	64.3	63.7
	10	65.8	65.7	67.7	67.0	66.9	66.4	65.1	64.6	63.4	63.5	63.8	64.0
	11	68.6	69.6	69.0	68.8	69.0	67.9	66.4	65.4	65.0	64.9	64.7	64.3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	67.1	68.2	68.4	69.2	68.5	67.8	67.0	65.7	65.1	64.8	64.7	64.4
	14	68.0	67.8	68.7	68.9	68.0	66.8	66.2	65.4	64.8	64.6	64.4	64.4
	15	65.6	66.2	66.5	67.8	68.6	68.3	67.0	66.0	65.2	64.6	64.1	64.0
	16	68.4	68.7	69.0	69.5	68.7	69.5	68.8	67.2	66.0	65.6	65.2	65.0
	17	67.6	69.0	70.0	70.8	70.7	69.5	68.7	67.0	65.5	65.3	64.3	64.5
	18	69.7	70.0	70.5	71.3	71.2	70.7	69.8	68.3	66.8	66.0	65.6	65.3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	63.8	66.4	67.4	67.1	67.2	66.4	65.8	65.2	64.7	64.5	64.3	64.4
	21	65.6	66.2	66.6	68.0	67.4	66.7	66.3	65.5	65.0	64.8	64.7	64.5
	22	69.0	68.3	68.9	66.9	64.4	64.2	63.4	63.6	63.3	63.6	63.4	63.4
	23	66.8	68.0	68.3	68.2	67.7	67.1	66.1	65.0	64.0	63.7	63.6	63.6
	24	65.7	66.0	67.2	65.8	66.5	66.7	65.6	64.7	63.9	63.4	63.4	63.2
	25	65.7	66.7	66.9	65.5	66.0	65.6	65.2	64.5	63.8	63.6	63.4	63.4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	68.7	68.8	68.1	69.1	69.2	69.0	68.2	67.4	66.2	65.6	65.3	65.3
	28	67.2	67.2	67.0	66.9	66.7	65.8	65.2	65.1	64.5	64.5	64.5	64.3
	29	66.3	66.9	66.6	66.7	66.7	66.3	65.2	65.1	65.4	65.5	65.4	65.3
	30	67.2	67.6	67.8	67.4	67.9	67.3	66.6	66.0	65.7	65.2	65.0	65.4
	31	66.5	67.5	68.0	67.9	68.8	67.3	67.0	66.3	66.0	65.6	65.4	64.7
Hourly Means	67.09	67.66	67.93	68.15	68.03	67.47	66.68	65.76	65.04	64.74	64.52	64.43	
APRIL.	1	67.3	68.3	69.0	68.7	68.6	68.5	67.7	66.3	65.2	64.7	64.3	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	66.7	67.4	68.5	68.9	68.9	69.0	67.6	66.3	65.0	64.2	64.2	
	4	67.0	68.3	68.4	67.4	67.0	66.5	66.0	65.4	65.0	64.7	64.8	
	5	66.2	66.3	66.4	66.5	65.1	65.0	64.7	64.8	64.5	64.5	64.2	
	6	65.2	65.8	66.0	65.4	65.5	65.4	64.7	64.5	64.1	63.7	64.0	
	7	67.3	67.7	68.7	68.3	68.3	67.7	66.5	64.9	64.3	64.0	63.5	
	8	68.4	68.3	68.4	68.9	68.6	68.2	66.9	65.9	65.5	65.1	64.6	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	67.6	68.4	68.5	67.7	67.2	67.4	66.6	65.7	65.4	65.1	65.2	
	11	67.9	68.6	69.1	68.6	68.0	67.7	66.5	65.4	65.0	65.0	64.4	
	12	66.7	66.6	67.7	67.9	67.7	66.8	66.0	65.0	64.0	63.2	63.1	
	13	68.4	69.2	69.6	69.7	69.9	68.7	68.0	66.7	66.1	65.7	65.6	
	14	67.3	67.9	68.2	63.4	68.6	68.2	67.1	65.6	65.0	64.9	65.0	
	15	66.8	67.6	67.8	68.3	68.5	67.6	67.0	65.6	65.0	64.6	64.7	
	16	—	—	—	—	—	—	—	—	—	—	—	
	17	67.4	69.0	69.6	68.5	68.5	68.4	66.8	65.9	64.7	64.3	63.8	
	18	66.4	66.9	67.0	67.9	67.1	66.9	66.1	65.1	64.5	64.4	64.3	
	19	67.9	67.8	68.4	67.6	67.5	67.5	66.2	65.2	65.0	64.6	64.4	
	20	65.6	67.0	67.5	69.0	67.5	66.7	65.5	64.0	63.0	63.2	63.3	
	21	67.5	67.9	68.7	67.6	66.0	66.3	65.1	64.7	64.0	63.7	63.3	
	22	65.9	66.6	67.0	68.2	68.0	67.0	65.2	64.4	64.0	63.8	63.5	
	23	—	—	—	—	—	—	—	—	—	—	—	
	24	66.7	67.5	68.5	67.4	66.8	66.1	65.0	64.3	63.6	63.6	63.4	
	25	66.4	67.2	67.6	67.0	67.5	66.3	65.4	64.9	64.0	63.7	63.6	
	26	66.2	67.4	67.2	67.0	66.4	65.5	65.3	63.9	63.7	63.8	64.0	
	27	67.9	69.1	69.9	69.3	67.8	66.4	65.6	65.2	64.8	64.8	64.6	
	28	67.6	66.2	67.0	65.8	66.4	66.4	65.5	64.1	63.3	63.2	63.2	
	29	66.4	67.5	66.5	67.2	67.7	66.6	65.4	64.5	64.0	64.0	63.6	
	30	—	—	—	—	—	—	—	—	—	—	—	
Hourly Means	66.99	67.62	68.05	67.89	67.56	67.07	66.09	65.13	64.51	64.26	64.10	63.98	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
64.4	64.5	64.6	64.4	63.9	62.8	62.8	63.0	63.0	64.6	66.0	67.5	65.97
64.4	64.4	64.4	63.7	63.6	63.6	63.3	63.0	63.3	63.7	64.5	65.7	65.34
63.9	63.7	63.0	63.0	63.2	63.4	63.6	62.9	62.8	63.5	64.2	64.6	64.79
63.2	—	—	—	—	—	—	—	—	—	—	—	64.90
—	64.6	64.6	64.0	64.0	64.2	63.7	63.7	64.3	65.7	66.0	65.8	65.87
64.4	65.0	64.7	64.1	63.7	64.0	64.0	64.0	64.2	64.7	66.0	67.2	65.87
65.5	64.7	64.4	64.4	64.6	64.4	64.4	64.3	64.5	64.8	65.6	65.6	66.56
65.3	65.2	65.0	65.0	65.0	64.9	64.9	64.6	64.9	65.2	65.9	65.8	65.87
64.2	63.4	63.8	63.4	63.8	63.4	63.4	63.4	62.7	63.0	62.8	64.2	64.42
64.0	64.0	63.6	63.8	63.6	63.6	63.0	62.8	63.6	64.9	66.1	66.8	64.74
64.5	—	—	—	—	—	—	—	—	—	—	—	65.86
—	64.9	64.7	64.3	64.4	64.3	64.1	63.8	64.7	65.7	65.1	66.5	65.60
64.4	64.3	64.0	63.8	63.8	63.5	64.0	64.0	64.0	64.5	66.1	67.2	65.45
64.3	64.3	64.4	64.1	63.9	63.8	63.5	63.7	64.0	65.1	65.6	66.2	65.23
63.7	63.5	63.4	63.4	63.1	63.2	62.7	63.4	64.0	65.4	67.2	68.6	66.02
64.5	64.6	64.4	64.5	63.9	63.5	63.4	63.5	63.7	64.3	65.3	67.4	66.26
64.5	64.4	64.1	64.1	63.8	63.8	63.8	63.8	64.4	66.0	67.2	67.5	66.46
65.3	—	—	—	—	—	—	—	—	—	—	—	64.87
—	64.6	64.2	64.0	64.4	64.5	64.5	64.2	64.1	63.7	63.7	62.7	65.15
64.6	64.4	64.4	64.4	64.0	63.8	64.0	64.4	63.8	64.0	63.6	64.4	64.27
64.4	63.7	63.5	63.6	63.5	63.5	63.1	63.6	64.0	65.3	66.5	67.5	64.63
63.4	63.1	63.1	62.9	62.7	62.4	62.4	62.6	63.1	63.6	64.7	66.0	64.04
63.6	63.4	63.3	62.8	62.8	62.6	62.3	62.4	62.5	63.4	64.5	65.4	64.51
62.8	62.7	62.7	62.5	61.9	62.3	62.1	62.2	62.7	63.5	65.4	64.1	65.93
63.4	—	—	—	—	—	—	—	—	—	—	—	64.76
—	63.4	63.4	63.3	63.2	63.2	63.2	63.6	64.1	64.7	66.1	66.4	65.65
64.7	64.4	64.4	64.3	64.3	64.1	64.1	63.7	63.7	64.0	64.5	65.2	65.59
64.0	63.9	63.6	63.5	63.4	63.4	63.3	63.3	63.0	63.4	64.3	66.2	65.75
65.1	65.1	65.4	65.1	65.0	65.2	65.1	64.9	65.1	65.3	65.7	67.2	64.29
64.9	64.6	64.6	64.6	64.5	64.3	64.3	64.4	64.0	64.6	65.1	65.3	64.35
64.3	64.1	64.2	64.2	64.5	64.5	64.3	64.2	64.5	65.2	66.1	66.8	64.35
64.29	64.18	64.07	63.89	63.79	63.71	63.60	63.58	63.81	64.50	65.38	66.11	65.35
63.7	—	—	—	—	—	—	—	—	—	—	—	65.14
—	63.6	63.4	63.3	62.9	63.3	63.0	63.0	62.8	63.2	64.6	65.2	65.28
64.0	64.1	64.0	63.7	63.8	63.4	62.9	62.6	63.0	63.6	65.3	65.8	65.21
64.6	64.3	64.5	64.1	64.2	64.0	63.1	63.3	63.7	64.3	64.5	65.1	64.52
64.2	63.7	63.5	63.7	63.9	63.6	63.6	63.9	63.6	63.9	64.2	64.7	64.31
63.6	63.5	63.4	63.2	63.2	63.2	63.4	63.6	63.8	63.6	64.5	66.5	64.99
63.4	63.0	62.5	62.8	63.1	62.9	62.9	63.1	63.5	64.5	66.1	67.3	65.63
64.0	—	—	—	—	—	—	—	—	—	—	—	65.57
—	64.4	64.0	64.1	63.7	63.7	63.4	63.7	64.0	64.6	65.3	66.8	65.22
64.5	64.0	64.4	64.0	64.4	63.9	64.2	64.2	64.0	64.5	65.5	66.4	64.63
64.6	64.4	64.1	63.6	63.3	63.0	62.8	63.0	63.2	63.7	63.7	65.0	66.28
62.7	62.4	62.6	62.3	62.4	63.1	63.1	63.0	63.5	64.1	66.2	67.9	65.70
65.3	65.2	65.1	64.7	64.4	64.5	64.6	64.5	64.5	65.1	65.8	66.5	65.33
65.0	64.8	64.6	64.4	64.4	64.3	64.0	64.0	64.3	64.6	65.4	65.7	65.08
63.9	—	—	—	—	—	—	—	—	—	—	—	64.78
—	63.7	63.7	63.5	63.6	63.5	63.3	63.7	63.6	64.8	65.6	67.4	64.95
63.7	63.4	63.4	63.0	62.6	62.6	62.5	62.6	62.8	63.9	65.2	65.7	64.46
64.2	63.8	63.3	63.2	62.8	63.0	62.6	62.5	62.5	63.5	65.7	66.8	64.25
63.9	63.8	63.6	63.6	63.4	62.9	63.0	63.0	63.2	64.2	63.5	64.5	64.52
63.2	62.9	62.7	62.7	62.3	62.6	62.2	62.2	62.5	63.5	64.7	65.9	64.32
62.8	62.4	62.6	62.8	62.5	62.0	62.2	62.6	61.7	62.7	64.3	65.8	64.42
63.2	—	—	—	—	—	—	—	—	—	—	—	64.86
—	62.7	62.8	63.1	62.9	63.0	62.8	63.0	63.2	64.0	65.2	65.9	65.32
63.4	63.0	62.7	62.7	62.6	62.5	62.8	62.4	62.6	63.3	63.8	65.5	64.15
63.2	63.3	63.3	63.0	62.7	62.6	62.8	62.8	63.0	63.4	64.1	65.2	64.43
63.6	63.9	64.0	64.0	63.9	64.0	63.6	63.2	63.6	64.5	66.2	67.6	64.93
64.4	64.1	64.0	63.4	63.5	63.2	62.8	63.2	63.4	64.1	65.4	66.6	64.32
63.8	63.3	63.1	63.1	63.0	63.2	62.6	61.6	61.5	62.7	64.3	65.0	64.32
63.4	—	—	—	—	—	—	—	—	—	—	—	64.43
—	63.2	62.9	62.9	62.8	62.9	62.7	62.5	62.4	63.1	64.6	65.9	64.93
63.85	63.64	63.53	63.39	63.29	63.24	63.08	63.09	63.19	63.89	64.95	66.03	64.93

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.	23	0	1	2	3	4	5	6	7	8	9	10	
MAY.	1	67.0	66.9	68.0	68.0	67.7	67.0	65.6	63.8	63.5	63.4	63.1	63.3
	2	67.9	67.5	68.2	67.5	67.8	67.2	65.8	63.9	63.9	64.1	64.1	63.3
	3	66.2	67.3	68.2	67.7	67.4	66.1	65.4	63.6	63.7	64.2	63.6	63.6
	4	65.0	66.2	67.6	68.1	67.4	66.1	65.1	63.8	63.5	63.3	63.1	62.7
	5	65.7	65.1	65.1	66.1	65.7	64.7	63.0	62.5	62.6	62.6	62.3	62.3
	6	63.8	65.5	66.7	65.8	65.8	65.1	64.3	63.1	63.8	62.5	62.4	62.2
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	62.0	62.2	62.9	62.2	61.2	61.5	61.4	61.3	61.0	61.2	61.3	61.4
	9	62.8	63.9	63.0	64.2	64.4	63.7	63.4	62.7	62.4	62.3	62.5	62.3
	10	64.7	64.2	65.1	64.3	64.1	63.3	62.8	62.3	62.3	62.2	61.4	61.9
	11	63.6	62.7	65.2	65.8	64.2	64.0	63.6	62.5	62.8	62.7	62.7	62.1
	12	65.4	64.7	66.5	65.9	66.2	65.3	63.9	63.0	62.5	62.3	62.3	61.2
	13	63.1	63.0	65.4	65.3	65.7	64.8	63.4	62.4	61.8	62.0	62.0	61.7
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	66.2	66.5	65.1	66.1	64.7	64.8	63.5	62.1	62.1	62.0	62.2	61.0
	16	63.7	63.5	63.4	62.5	63.2	63.2	62.7	62.0	61.9	62.0	61.6	61.5
	17	61.6	62.1	60.9	61.8	62.6	61.9	61.0	60.1	60.8	60.3	59.9	59.9
	18	61.7	60.6	61.0	62.0	62.6	62.1	60.2	59.6	59.8	59.4	59.7	59.5
	19	60.6	60.2	60.5	60.3	59.7	59.9	60.0	59.7	59.4	59.4	59.4	59.2
	20	60.5	61.2	61.8	61.4	60.8	60.9	59.8	59.4	59.4	59.3	59.1	59.1
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	59.8	61.8	61.7	62.7	62.7	61.9	60.8	59.5	59.6	59.6	59.8	60.0
	23	62.2	62.4	61.9	62.2	61.6	61.3	60.7	60.0	60.0	60.0	59.6	59.6
	24	61.0	62.2	62.9	62.2	61.5	61.4	60.6	60.1	59.9	59.9	59.9	59.8
	25	62.9	63.3	62.6	62.1	62.7	62.0	61.4	60.2	60.0	60.0	60.2	60.4
	26	61.9	62.5	61.8	63.0	63.0	62.5	61.7	60.7	60.1	60.2	59.8	59.5
	27	61.7	60.7	62.0	62.6	63.1	62.7	60.8	59.9	59.0	58.5	57.6	57.9
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	59.3	60.5	60.5	60.6	60.5	60.4	60.0	59.3	59.5	58.5	58.5	58.3
	30	61.8	62.9	63.3	64.0	63.5	62.2	61.5	60.8	60.0	60.1	59.6	59.5
	31	62.8	64.0	64.7	64.4	64.0	63.0	62.0	60.3	60.2	59.8	59.7	60.3
Hourly Means	63.14	63.47	63.93	64.03	63.84	63.29	62.39	61.43	61.31	61.18	61.01	60.87	
JUNE.	1	60.4	60.4	61.6	61.7	61.5	61.4	61.3	60.4	60.4	60.5	60.5	60.2
	2	63.0	64.0	63.8	64.3	64.1	63.5	62.5	61.5	61.2	61.2	60.8	60.9
	3	63.2	63.4	63.9	64.0	63.9	63.6	61.9	60.0	59.9	59.5	59.4	59.0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	61.6	63.5	63.9	65.1	64.8	63.9	63.3	62.2	61.4	59.9	58.7	58.5
	6	64.3	64.1	63.6	64.4	63.7	62.8	62.7	61.9	61.3	60.9	60.9	60.2
	7	61.1	62.0	62.4	62.2	62.0	61.2	60.5	60.0	59.6	59.2	59.2	58.6
	8	60.1	60.7	60.1	60.6	60.4	59.6	58.5	58.4	58.2	57.5	57.5	57.5
	9	59.7	60.9	60.6	61.6	61.6	59.2	58.9	58.4	58.2	58.0	57.8	57.8
	10	60.2	60.9	61.1	61.2	61.2	60.4	58.8	58.9	59.0	58.5	58.3	58.0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	58.4	58.5	58.5	59.0	58.6	58.6	58.1	57.1	56.6	57.0	57.0	57.2
	13	60.3	60.8	60.7	61.1	61.1	60.2	59.6	58.6	58.3	58.3	57.9	57.8
	14	59.9	61.3	60.9	61.5	60.4	60.4	59.9	59.1	58.6	58.1	58.2	58.5
	15	61.4	61.4	62.5	61.5	61.4	60.8	60.0	59.4	59.2	59.4	59.2	58.5
	16	60.9	61.9	60.5	61.3	61.5	61.5	60.5	59.5	59.4	59.4	59.0	58.7
	17	61.5	61.9	62.8	63.1	62.7	61.4	60.9	60.2	59.4	59.3	59.4	59.4
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61.7	61.5	62.0	61.5	62.0	61.0	60.2	59.8	59.0	59.0	58.5	58.5
	20	59.2	60.3	60.5	60.4	59.7	59.4	59.0	58.3	58.2	58.0	57.7	57.4
	21	59.4	60.3	60.5	59.7	59.8	59.7	58.9	58.0	57.8	57.9	57.5	57.2
	22	58.2	58.2	59.8	59.8	59.2	58.4	57.7	57.1	56.9	56.6	56.3	55.9
	23	58.4	59.4	58.4	58.8	58.0	57.5	57.0	56.8	57.3	57.3	57.3	57.2
	24	60.1	60.7	61.2	61.3	60.5	60.4	59.5	58.5	58.3	57.9	57.4	57.4
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	59.4	59.6	59.7	59.8	59.8	59.1	58.4	57.5	57.3	57.0	56.9	57.0
	27	60.6	60.7	60.8	60.7	60.6	60.3	59.4	58.7	58.8	58.5	58.6	58.3
	28	61.2	61.2	61.9	61.5	60.6	59.4	58.9	58.8	58.5	58.1	58.3	58.2
	29	60.9	61.7	61.5	61.2	59.3	60.0	58.8	57.2	57.8	58.4	58.6	58.6
	30	58.6	58.8	59.2	58.7	58.2	58.2	57.6	57.2	56.8	56.2	55.5	55.5
Hourly Means	60.53	61.08	61.25	61.38	61.02	60.46	59.72	58.98	58.75	58.52	58.32	58.15	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
62.9	63.0	62.6	62.7	62.2	62.2	62.3	62.2	62.5	63.4	64.6	66.7	64.36
63.4	63.6	63.5	63.0	63.1	62.7	62.2	61.8	62.5	63.7	64.3	64.4	64.56
63.5	63.5	63.5	63.4	63.1	62.6	63.0	63.0	63.2	63.7	65.0	65.6	64.59
62.6	62.0	62.0	62.0	62.0	62.0	61.0	62.6	62.0	63.0	64.0	65.9	63.87
61.8	61.9	61.6	61.8	61.5	61.5	61.7	61.0	61.5	62.2	63.0	63.4	62.94
62.1	—	—	—	—	—	—	—	—	—	—	—	—
—	60.3	60.7	59.3	59.8	60.0	60.1	60.0	60.0	60.4	60.0	60.6	62.26
61.5	61.6	61.5	61.0	61.2	61.0	60.9	60.1	60.5	61.6	62.6	63.1	61.51
61.9	62.1	62.2	61.8	61.6	61.5	61.5	61.5	61.5	62.3	62.9	63.6	62.58
61.5	61.4	61.5	61.6	60.9	61.0	61.5	60.7	61.3	62.6	62.1	61.4	62.34
62.2	61.7	61.6	62.0	61.8	61.2	61.2	61.5	61.7	62.0	62.5	64.5	62.74
60.9	61.1	61.8	61.6	61.3	61.2	61.1	61.2	61.0	62.1	63.4	64.8	62.95
61.3	—	—	—	—	—	—	—	—	—	—	—	—
—	61.2	60.6	61.3	60.7	61.2	61.0	60.8	60.2	61.5	63.5	64.8	62.45
61.8	61.7	61.6	60.4	61.5	61.3	61.3	61.0	61.0	62.1	62.2	63.6	62.74
61.0	60.8	60.8	59.4	59.9	60.0	60.0	58.6	59.9	60.4	61.4	62.3	61.49
59.5	58.6	59.5	59.4	59.4	58.9	58.4	58.6	58.8	59.5	60.0	60.8	60.18
58.8	58.6	58.7	59.1	59.2	58.6	59.0	58.5	59.3	59.7	60.4	59.8	59.91
58.5	58.7	58.7	58.8	58.8	58.8	58.7	58.6	58.7	58.7	59.9	60.9	59.42
59.2	—	—	—	—	—	—	—	—	—	—	—	—
—	59.3	58.9	58.8	58.4	58.6	58.2	58.1	58.2	58.1	59.6	59.8	59.49
58.9	59.2	59.0	59.0	58.5	58.5	58.6	58.5	58.8	58.3	59.7	60.9	59.91
59.3	59.6	59.1	59.0	58.8	58.9	58.8	59.0	59.3	60.0	60.0	60.4	60.15
60.0	59.8	59.7	59.3	58.5	58.6	58.7	59.1	59.2	59.7	60.7	61.6	60.26
59.9	60.0	59.8	59.8	59.8	58.7	58.1	59.2	59.2	59.7	60.0	60.4	60.52
59.2	58.7	59.4	59.1	59.0	58.9	58.7	58.6	58.5	59.2	60.9	61.0	60.33
57.9	—	—	—	—	—	—	—	—	—	—	—	—
—	58.2	58.1	58.0	57.6	57.7	57.5	58.0	57.6	58.5	58.7	59.2	59.31
58.1	57.9	57.2	56.7	57.2	57.2	57.4	57.5	57.8	58.8	59.7	60.6	58.83
59.6	59.7	59.7	59.7	58.9	58.4	58.5	58.5	58.9	59.5	61.0	62.0	60.57
60.3	60.1	60.0	60.3	60.1	60.2	60.1	60.2	59.8	60.1	59.9	61.0	61.14
60.65	60.53	60.49	60.31	60.18	60.05	59.98	59.94	60.11	60.77	61.56	62.34	61.53
60.1	60.4	60.4	60.1	60.0	59.9	60.2	60.3	60.5	61.0	62.2	62.8	60.76
60.9	60.8	60.7	60.5	60.6	60.5	60.2	60.1	60.3	60.6	61.3	62.5	61.66
58.9	—	—	—	—	—	—	—	—	—	—	—	—
—	58.2	58.2	58.2	58.0	57.3	56.7	56.4	56.6	57.0	59.2	60.5	59.87
58.3	58.3	58.1	58.0	57.5	57.4	58.0	59.4	60.0	61.0	61.5	63.2	60.73
59.8	59.8	59.2	58.5	58.9	59.5	59.2	58.7	59.4	59.9	60.2	60.9	60.99
58.8	58.8	58.7	58.5	58.3	58.0	58.1	57.7	57.7	58.5	59.0	59.1	59.55
57.3	57.1	57.4	57.0	57.0	56.7	56.7	56.6	56.7	57.2	57.8	58.9	58.15
57.8	57.8	56.9	56.9	56.8	56.4	56.4	56.8	56.4	57.1	58.4	59.4	58.32
58.0	—	—	—	—	—	—	—	—	—	—	—	—
—	57.2	57.3	57.1	56.8	56.8	56.2	56.0	56.0	56.7	57.8	58.8	58.38
56.7	56.9	57.2	56.3	56.6	56.6	56.5	56.8	56.6	56.6	57.5	59.0	57.41
57.2	57.1	57.4	57.1	56.3	56.7	56.4	56.4	57.0	57.2	58.2	58.9	58.36
58.1	58.4	58.3	58.7	58.5	58.5	58.3	58.5	58.2	58.9	59.8	60.5	59.23
58.7	59.0	58.5	58.5	58.0	57.8	58.1	58.1	58.2	58.7	58.8	59.0	59.42
59.0	59.0	59.0	59.0	58.6	57.7	57.8	58.4	58.0	58.2	59.5	59.6	59.49
59.3	—	—	—	—	—	—	—	—	—	—	—	—
—	58.1	58.5	58.7	58.2	58.4	58.6	58.5	58.8	59.3	60.2	61.7	60.01
57.9	58.3	58.3	57.3	57.3	57.4	57.1	56.6	57.1	58.1	58.5	58.3	59.04
57.5	57.6	57.5	57.6	57.8	57.0	56.9	57.0	57.7	57.7	58.0	58.5	58.29
57.2	57.1	56.5	56.7	56.9	56.9	56.7	57.0	56.8	57.3	57.7	58.5	58.00
56.1	55.9	55.7	55.5	55.4	55.1	55.3	55.5	55.6	55.7	56.3	57.5	56.82
57.1	57.5	56.8	57.2	56.6	56.6	56.6	56.9	56.7	56.9	57.8	59.1	57.47
57.7	—	—	—	—	—	—	—	—	—	—	—	—
—	56.7	56.7	56.6	56.6	56.5	56.3	56.0	56.3	56.7	57.5	58.4	58.13
56.7	56.8	56.7	56.8	57.0	56.9	56.8	57.0	57.1	57.3	58.7	59.9	57.88
58.2	58.2	58.2	58.2	58.1	58.1	58.1	58.2	58.2	58.8	59.5	59.9	59.07
58.3	57.6	57.3	58.0	57.4	56.8	57.6	57.0	57.5	57.7	59.1	60.0	58.79
58.5	58.4	58.2	58.2	58.0	58.2	57.4	56.8	56.8	56.8	58.1	58.4	58.70
55.5	55.5	55.0	55.0	54.8	54.6	54.6	54.7	54.3	55.4	56.5	57.0	56.39
58.06	57.94	57.79	57.70	57.54	57.39	57.34	57.36	57.48	57.93	58.81	59.63	58.88



STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.	23	0j	1	2	3	4	5	6	7	8	9	10	
JULY.	1	58.2	58.4	58.7	59.7	59.2	58.7	57.8	56.9	56.3	56.5	56.2	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	58.0	58.3	58.4	59.7	59.6	58.4	58.0	57.2	56.1	55.5	55.3	55.0
	4	58.3	58.0	58.7	59.0	58.8	59.3	59.0	58.2	57.7	57.4	57.0	56.8
	5	58.2	58.5	59.4	59.1	58.4	57.8	57.2	57.0	57.0	57.0	57.0	56.7
	6	57.7	57.4	58.6	58.7	58.7	58.0	57.5	57.1	57.1	56.8	56.3	56.4
	7	58.1	59.4	59.3	59.1	59.1	58.7	57.7	57.2	57.0	56.5	56.5	56.2
	8	58.0	58.4	59.1	59.0	58.5	58.1	57.5	57.1	57.0	57.0	56.7	56.7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	59.5	60.6	60.4	60.0	60.2	59.5	59.2	58.6	57.9	57.9	57.6	57.6
	11	59.4	60.6	60.7	60.3	60.2	60.0	59.4	58.1	57.8	57.5	57.2	57.5
	12	59.6	60.7	61.3	61.7	61.0	60.5	58.9	58.4	57.6	57.0	56.7	56.7
	13	59.7	60.7	61.4	61.7	61.7	60.8	60.1	58.8	58.1	57.9	57.6	57.2
	14	60.3	60.7	60.5	60.4	61.5	61.2	60.4	59.6	59.1	58.8	58.6	58.5
	15	61.2	61.7	62.2	61.9	60.6	59.7	59.2	58.5	58.2	57.8	57.6	57.6
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	59.4	59.8	60.7	60.2	59.4	58.9	58.3	57.6	57.5	57.1	57.0	56.6
	18	60.4	61.0	61.9	61.4	61.2	60.5	59.6	58.2	57.5	57.4	57.0	56.7
	19	59.6	60.6	61.0	61.1	60.6	60.1	59.0	57.9	57.2	57.1	56.8	56.5
	20	58.0	58.5	58.7	58.2	57.8	57.4	56.9	56.5	56.5	56.3	56.3	55.9
	21	57.3	57.4	58.1	58.5	57.7	57.0	55.8	55.1	54.7	54.4	54.5	54.5
	22	56.4	57.5	58.3	59.1	58.4	57.7	56.5	55.7	55.1	55.3	55.7	55.4
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	58.0	60.1	61.0	61.4	61.3	59.0	58.0	57.7	57.2	57.4	57.5	57.2
	25	58.8	57.3	59.3	60.2	59.6	58.6	57.7	57.1	57.1	56.7	57.1	57.4
	26	58.6	59.1	60.1	60.1	59.6	59.4	58.5	57.8	57.3	57.0	56.8	56.8
	27	60.4	60.6	61.0	61.3	61.4	60.5	59.0	57.9	57.8	57.8	57.8	57.1
	28	59.8	60.7	61.0	60.6	60.9	60.2	59.5	58.3	57.5	57.8	56.8	57.4
	29	60.5	61.0	61.1	61.0	61.0	59.8	58.8	58.0	57.4	57.0	57.1	56.5
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	59.7	60.3	60.8	61.4	61.0	60.8	59.4	58.4	57.7	57.6	56.5	55.9
Hourly Means	58.97	59.51	60.07	60.18	59.90	59.25	58.42	57.65	57.21	57.02	56.83	56.65	
AUGUST.	1	59.6	61.0	61.9	61.9	60.9	60.8	59.2	58.0	57.1	56.9	56.5	55.7
	2	59.5	60.3	60.8	61.4	61.5	60.6	59.7	58.2	57.3	56.8	57.0	57.2
	3	59.9	60.4	60.2	61.7	61.0	60.6	59.6	58.2	57.9	57.7	57.6	57.4
	4	60.7	60.9	62.0	61.6	60.9	60.1	59.6	58.9	58.5	58.1	58.2	58.0
	5	61.7	62.4	62.5	61.4	62.1	61.8	59.6	58.6	58.4	57.9	57.7	57.5
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	58.3	59.6	61.7	61.6	61.5	60.6	59.0	57.7	57.0	56.8	56.7	56.3
	8	56.5	58.2	58.4	59.6	59.0	58.6	57.9	56.6	56.0	55.1	55.3	55.5
	9	57.3	58.1	59.5	60.0	59.7	59.0	57.7	56.2	55.7	56.0	56.0	56.0
	10	59.0	60.0	60.9	59.0	60.4	59.1	57.8	56.8	56.5	56.0	55.8	55.8
	11	57.5	58.8	58.8	59.8	59.5	58.7	57.0	56.2	55.5	55.2	55.1	55.5
	12	56.8	56.4	58.0	59.5	59.4	57.0	56.5	55.0	54.8	53.7	54.3	53.6
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	57.4	57.1	58.2	58.0	58.3	58.0	55.5	55.5	55.1	55.2	54.6	54.2
	15	56.7	58.4	58.4	58.9	58.8	58.3	56.8	55.9	55.5	55.2	55.2	55.4
	16	57.4	57.2	55.6	56.7	57.0	57.0	56.5	55.0	54.6	55.0	54.4	54.4
	17	56.4	57.2	57.5	57.5	57.2	56.6	55.7	55.0	54.8	54.7	54.6	54.7
	18	57.0	57.4	57.4	57.3	57.6	57.3	56.8	55.7	55.1	55.1	54.8	55.1
	19	58.9	59.6	60.0	60.8	59.8	59.9	58.7	57.5	56.8	55.5	55.5	55.3
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	60.0	61.5	62.2	62.0	62.1	61.4	60.6	59.0	58.0	57.5	57.2	57.3
	22	60.2	62.0	63.3	63.1	63.5	63.4	62.1	59.8	58.4	57.7	57.3	56.9
	23	60.5	61.4	62.1	62.3	61.8	61.0	59.5	58.4	57.6	57.1	56.5	56.0
	24	60.0	60.9	61.1	61.8	61.9	60.8	59.6	57.9	56.9	56.8	56.5	56.5
	25	59.6	61.7	61.8	61.2	60.5	59.7	58.9	57.3	56.6	55.9	55.7	56.2
	26	61.1	62.2	62.5	62.4	60.9	60.5	59.0	57.9	57.0	56.3	55.5	56.0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	57.0	56.9	57.5	57.8	56.6	56.4	55.6	55.4	54.8	55.0	54.9	55.2
	29	56.6	57.5	58.5	58.6	58.6	58.4	58.0	56.3	55.7	55.1	55.3	54.8
	30	57.6	58.5	58.4	58.4	57.7	56.5	56.0	55.5	55.4	54.9	54.6	54.6
	31	56.0	56.9	57.6	58.3	56.6	57.2	56.7	55.7	55.5	55.2	54.7	54.6
Hourly Means	58.49	59.35	59.88	60.09	59.81	59.23	58.13	56.97	56.39	56.01	55.83	55.77	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
55.4	—	—	—	—	—	—	—	—	—	—	—	56.54
—	56.3	55.1	54.5	53.4	54.0	54.1	54.6	54.8	55.5	57.2	58.9	56.89
55.1	55.1	55.8	55.5	55.7	55.9	56.2	56.6	56.6	57.5	57.8	58.0	57.21
56.3	56.5	56.1	55.5	55.6	55.6	55.7	55.7	55.5	57.0	57.1	58.2	56.71
56.6	56.5	56.2	56.0	55.6	55.1	55.0	54.7	54.6	55.1	55.7	56.6	56.90
56.3	56.2	56.5	56.2	56.3	56.0	55.9	55.7	56.0	56.3	56.7	57.3	56.74
55.3	55.4	55.9	55.4	55.3	55.6	55.7	54.6	55.0	55.6	56.0	57.2	57.12
56.6	—	—	—	—	—	—	—	—	—	—	—	58.13
—	55.5	55.6	56.0	55.9	56.2	56.4	56.3	56.2	56.7	57.8	58.5	57.95
57.0	57.4	57.4	57.0	57.0	56.8	56.4	56.7	56.5	57.0	58.0	58.9	57.96
57.2	56.5	56.5	56.0	56.0	56.7	56.8	56.3	56.2	57.0	57.8	59.0	58.50
56.5	56.5	56.5	56.6	56.4	56.5	55.9	55.6	55.9	57.0	58.6	59.0	59.12
57.2	57.1	57.1	57.0	57.1	57.1	56.6	56.6	57.1	57.6	58.3	59.5	58.28
58.4	58.5	58.3	58.3	58.1	58.1	58.5	57.6	57.6	58.0	58.6	59.4	57.56
57.2	—	—	—	—	—	—	—	—	—	—	—	58.02
—	56.7	56.5	56.3	56.7	56.5	56.7	56.4	56.5	57.0	57.6	58.5	57.93
55.6	55.8	55.7	56.3	55.7	55.8	56.0	56.1	56.8	57.2	58.6	59.4	56.13
56.4	56.3	56.3	56.0	56.5	56.3	56.4	56.2	56.5	56.7	57.7	58.5	54.96
56.2	56.2	56.4	56.4	56.5	56.7	56.7	56.8	57.0	57.7	58.0	58.2	56.70
55.8	55.3	55.2	55.0	55.1	54.6	54.5	54.5	54.5	54.7	55.2	55.8	57.97
54.1	53.9	53.7	53.5	53.7	53.2	53.2	53.2	52.8	53.3	54.2	55.2	57.02
55.5	—	—	—	—	—	—	—	—	—	—	—	57.65
—	56.6	56.3	56.6	56.5	56.3	56.6	56.7	56.5	56.9	58.2	57.0	58.14
57.5	57.3	57.1	56.7	56.2	56.6	56.7	56.3	56.9	57.4	58.1	58.6	58.36
55.8	56.0	56.0	55.2	55.5	55.8	55.8	56.0	56.1	55.8	56.9	56.8	57.59
56.5	56.5	56.4	56.5	56.3	56.4	56.6	56.5	56.5	57.3	58.0	59.1	57.11
56.7	56.9	56.6	56.5	56.6	56.6	56.5	56.3	56.3	56.8	57.9	59.0	57.43
57.5	57.5	57.4	57.3	57.2	56.6	57.0	57.0	57.1	57.5	58.6	59.5	57.59
56.5	—	—	—	—	—	—	—	—	—	—	—	57.91
—	55.2	55.3	55.4	55.7	55.6	55.7	55.9	55.8	56.2	57.0	58.8	57.77
55.9	55.0	55.6	54.3	54.7	54.4	53.8	52.7	54.1	55.5	56.9	58.3	58.70
56.35	56.26	56.21	56.00	55.97	55.96	55.98	55.83	55.98	56.55	57.40	58.20	57.91
55.3	55.0	55.6	55.8	55.9	55.7	55.5	55.3	55.5	56.4	57.3	58.6	57.06
56.9	56.2	56.2	56.3	55.7	55.1	55.6	55.7	55.9	56.6	57.6	58.5	56.25
57.3	57.3	57.2	57.3	57.4	57.6	57.5	57.5	57.0	57.6	58.6	59.8	56.95
57.7	57.7	57.6	57.5	56.8	57.0	56.9	56.8	57.0	57.3	58.8	60.2	56.97
57.5	—	—	—	—	—	—	—	—	—	—	—	55.92
—	54.7	54.8	55.1	55.1	54.9	55.2	54.6	54.9	55.7	57.4	58.4	55.29
56.1	56.0	56.0	54.7	54.7	54.9	55.0	54.7	54.0	54.3	55.5	56.7	55.55
55.5	55.4	55.2	55.1	54.5	54.5	55.0	55.0	54.0	54.8	56.5	57.8	55.84
56.1	56.0	56.2	55.6	55.9	56.0	56.2	55.8	56.0	56.5	58.2	57.1	55.17
56.2	56.1	55.8	55.4	55.4	56.0	55.4	55.2	55.5	55.7	56.4	57.0	55.17
55.3	55.2	54.8	54.8	54.5	54.0	54.2	53.4	53.5	53.8	55.1	56.0	55.78
54.0	—	—	—	—	—	—	—	—	—	—	—	56.75
—	54.0	54.4	54.3	54.0	53.7	53.6	53.8	53.8	54.3	55.3	56.7	57.79
54.5	54.8	54.7	54.6	54.5	54.7	54.7	54.1	54.3	54.5	54.8	55.9	58.24
55.3	55.3	54.4	54.7	54.8	53.5	53.8	53.3	53.5	54.6	56.0	57.5	57.77
54.0	54.4	54.0	53.9	54.0	54.1	54.5	54.5	54.2	54.8	55.0	56.0	57.66
54.4	54.4	53.8	53.6	53.8	53.8	54.0	53.8	54.0	54.5	55.6	56.6	57.34
54.7	54.7	54.9	54.7	54.4	54.3	54.6	54.4	55.1	55.5	56.9	58.0	57.08
55.0	—	—	—	—	—	—	—	—	—	—	—	55.61
—	53.3	52.3	53.3	54.6	55.2	55.4	55.2	55.8	56.4	58.2	59.0	55.91
57.0	56.5	56.2	—	54.8	53.6	52.4	53.4	54.6	55.6	57.4	59.0	55.26
56.5	55.8	55.5	55.5	55.2	55.0	55.4	54.2	54.0	56.0	57.7	59.3	55.41
55.9	55.6	55.5	55.5	55.1	55.5	55.3	55.0	55.5	57.1	57.6	58.7	56.71
56.5	56.3	56.0	55.8	55.8	55.6	55.9	55.8	55.9	55.5	56.4	57.6	57.79
55.7	55.6	55.3	55.3	55.1	54.9	54.8	55.0	55.5	56.5	57.8	59.5	57.34
56.2	—	—	—	—	—	—	—	—	—	—	—	57.08
—	55.5	55.7	55.0	54.7	54.3	54.2	53.4	53.8	55.0	55.5	55.4	55.61
55.3	55.2	55.0	55.0	55.2	54.5	54.7	54.7	55.0	55.1	56.1	55.7	55.91
54.8	55.1	55.2	54.7	54.6	54.0	54.5	54.0	54.2	55.0	55.6	56.8	55.26
54.5	54.2	53.9	53.6	53.9	53.6	53.7	53.4	53.6	53.8	54.5	55.4	55.41
54.2	54.2	54.2	53.9	54.0	53.9	54.1	54.2	54.3	55.0	55.9	57.0	56.71
55.64	55.35	55.20	55.04	54.98	54.81	54.89	54.67	54.83	55.48	56.58	57.56	56.71

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10	
SEPTEMBER.	1	57.4	57.4	57.0	56.7	56.7	56.2	55.4	55.4	55.0	54.5	54.5	54.7
	2	57.5	59.0	59.5	59.8	60.1	59.1	58.3	56.5	56.2	56.0	56.2	55.9
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	57.4	57.4	57.9	58.2	58.1	57.5	57.0	55.6	55.5	55.3	55.4	54.7
	5	56.2	56.5	56.8	57.4	56.8	56.3	55.8	55.2	54.9	54.7	54.5	54.6
	6	55.8	57.5	57.7	57.5	57.0	56.5	55.8	55.0	55.0	54.6	54.6	54.3
	7	56.3	57.4	57.7	58.9	58.6	58.0	56.7	55.7	55.2	55.2	55.4	55.2
	8	59.1	61.0	61.6	59.8	59.4	59.0	58.0	56.9	56.5	55.7	56.0	55.5
	9	59.3	60.9	61.5	61.1	60.7	59.9	58.5	57.4	56.5	56.4	56.6	56.1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	59.2	59.9	59.8	60.1	59.8	59.1	58.0	56.8	56.4	56.5	56.2	56.0
	12	60.5	60.5	60.8	60.0	59.4	59.0	58.6	57.8	57.4	57.2	57.3	57.3
	13	61.0	61.6	62.2	62.7	62.8	62.5	61.2	59.0	58.1	58.1	58.0	58.0
	14	60.2	61.2	63.0	62.7	62.5	62.0	60.2	58.9	58.1	57.5	57.6	56.9
	15	59.0	60.9	61.7	61.8	60.5	60.2	59.3	58.1	57.0	57.2	57.2	57.2
	16	61.5	62.4	63.1	62.6	62.5	61.4	60.7	59.4	58.9	58.4	58.0	57.5
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	61.2	62.1	63.0	62.7	62.1	61.1	60.2	58.5	57.9	57.7	57.1	56.7
	19	60.5	61.5	61.9	62.9	61.9	60.5	59.7	58.4	57.7	57.5	57.5	57.1
	20	59.8	61.2	61.7	60.7	61.0	60.3	59.3	58.5	58.0	57.8	57.5	57.2
	21	61.0	62.4	62.2	61.5	60.9	60.2	58.7	57.6	57.5	57.1	57.0	56.7
	22	59.5	62.0	61.4	60.1	59.8	59.8	58.6	57.9	57.5	57.0	56.5	56.5
	23	58.0	58.3	58.5	58.2	57.7	57.6	57.0	56.8	56.6	56.5	56.6	56.1
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	59.2	61.4	60.1	59.4	59.7	59.6	58.5	57.6	56.8	56.5	56.4	55.7
	26	59.0	59.3	59.9	59.0	59.9	59.5	57.7	56.3	56.9	56.0	55.8	55.5
	27	56.2	57.2	57.9	57.8	57.2	56.0	55.4	55.0	54.9	54.6	54.9	54.4
	28	56.9	57.3	58.7	57.1	58.0	57.1	56.6	55.9	55.1	55.3	55.7	55.7
	29	58.6	59.2	59.4	60.0	58.9	58.5	58.4	56.8	56.1	55.0	54.8	55.0
	30	57.4	58.1	57.1	57.4	57.3	56.9	55.5	55.2	54.9	54.4	54.1	54.2
October 1	—	—	—	—	—	—	—	—	—	—	—	—	
Hourly Means	58.76	59.75	60.08	59.85	59.59	58.99	58.04	57.01	56.53	56.26	56.21	55.95	
OCTOBER.	2	57.1	57.1	59.0	59.3	59.8	58.9	57.5	56.5	55.6	55.5	55.4	54.9
	3	57.0	58.7	58.6	58.7	58.1	58.0	57.0	56.0	55.6	55.8	55.6	55.5
	4	57.8	58.3	59.0	58.5	59.4	58.4	57.5	56.7	56.4	56.0	55.9	55.5
	5	60.5	61.6	62.0	61.5	60.9	59.3	57.8	56.6	56.5	56.0	55.8	55.6
	6	59.4	61.5	61.6	61.0	60.1	59.8	58.7	57.4	57.2	56.6	56.7	56.5
	7	59.4	60.8	60.6	60.6	59.8	58.8	58.0	57.0	56.7	56.7	56.4	56.5
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	58.5	59.7	59.0	59.6	58.8	58.0	57.0	56.2	55.6	55.5	55.1	55.1
	10	57.6	57.8	58.4	58.8	58.9	58.0	57.1	56.6	56.7	56.2	56.0	55.6
	11	59.0	59.4	59.4	59.0	58.5	58.0	57.2	56.6	56.5	56.4	56.0	56.1
	12	60.4	61.3	62.0	62.5	63.4	62.5	61.5	59.6	59.0	58.0	57.4	57.0
	13	60.4	61.5	63.0	63.7	62.4	61.1	59.8	58.7	57.9	57.5	57.0	56.7
	14	60.5	61.0	61.4	61.5	61.3	60.1	58.9	57.9	57.2	57.0	56.9	56.8
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	59.7	60.5	62.1	61.1	61.6	61.1	60.5	58.4	57.9	57.4	57.0	57.0
	17	61.3	62.7	63.2	62.3	61.7	61.7	60.6	58.6	56.9	57.0	56.7	56.4
	18	59.4	61.4	61.3	62.0	61.4	60.7	58.9	57.7	56.5	56.2	56.2	56.0
	19	61.9	61.5	62.8	62.0	62.1	61.2	59.9	58.8	58.1	57.5	57.2	56.9
	20	58.9	58.8	61.4	62.4	60.6	58.8	58.0	57.5	57.0	56.5	56.3	56.4
	21	59.0	59.5	61.4	60.7	60.4	59.1	58.6	57.3	56.5	56.4	56.0	56.1
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	59.0	59.6	58.4	58.4	58.1	57.5	56.6	56.1	56.0	55.5	56.0	55.6
	24	60.0	59.3	59.3	58.7	59.3	59.1	58.4	57.4	57.0	57.0	56.7	57.0
	25	58.9	60.8	59.6	59.4	57.8	58.4	57.8	56.9	56.6	56.6	56.6	56.6
	26	57.9	61.0	60.5	59.0	59.5	57.4	56.8	55.9	55.9	56.0	55.8	56.4
	27	58.7	59.4	58.9	59.0	58.7	58.5	57.5	56.7	56.1	56.1	56.1	56.2
	28	60.4	60.4	60.7	61.4	59.2	57.9	57.1	56.1	56.1	56.0	56.0	55.8
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	60.0	61.2	62.4	62.8	62.7	61.6	59.5	58.2	57.1	57.0	56.4	56.0
	31	61.0	62.5	63.1	63.6	63.5	61.6	59.6	58.2	57.7	57.2	57.0	57.1
	Hourly Means	59.37	60.28	60.73	60.67	60.31	59.44	58.38	57.29	56.78	56.52	56.32	56.20

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
54.7	54.7	54.6	54.3	54.0	54.2	54.1	54.4	55.0	55.1	55.0	56.0	55.29
55.5	—	—	—	—	—	—	—	—	—	—	—	56.24
—	54.2	54.3	54.5	54.1	54.1	53.9	54.1	53.8	54.6	55.3	57.2	55.66
55.0	54.4	54.6	54.3	54.3	54.2	54.2	54.1	54.4	54.8	55.5	56.0	54.86
54.4	54.1	54.0	54.0	54.0	53.5	53.5	53.0	53.4	53.7	54.3	55.1	54.85
54.0	54.0	53.8	53.7	53.4	53.3	53.2	53.0	53.4	53.6	54.5	55.2	56.08
54.8	54.9	54.8	55.3	54.7	54.4	54.5	54.8	55.4	56.4	57.6	58.0	56.87
55.0	54.8	55.2	55.5	55.1	55.2	54.7	54.9	54.9	56.0	57.1	58.1	57.46
55.7	—	—	—	—	—	—	—	—	—	—	—	57.07
—	56.2	56.1	55.8	56.0	55.9	55.6	55.9	55.8	56.3	57.1	57.7	58.03
55.8	55.7	55.7	55.2	55.5	55.2	55.4	55.6	55.6	56.0	57.3	59.0	59.03
57.2	57.0	57.0	57.0	56.8	56.6	56.5	56.2	56.5	57.4	59.0	59.7	58.55
57.9	58.0	57.7	57.6	57.3	57.0	56.5	56.3	56.8	58.0	59.0	59.5	58.24
56.9	56.8	56.8	56.6	57.0	57.2	57.0	56.6	56.5	56.7	57.6	58.7	59.00
57.1	56.8	56.5	57.1	56.6	56.6	56.8	56.6	56.5	57.6	58.8	60.6	58.47
57.4	—	—	—	—	—	—	—	—	—	—	—	58.35
—	56.9	56.7	57.0	56.9	56.8	56.9	56.5	57.0	57.7	59.4	60.4	58.17
56.5	56.5	57.0	56.6	56.5	56.3	56.6	56.4	56.5	57.0	57.8	59.4	58.05
56.9	57.0	56.6	56.5	56.4	56.5	56.3	56.4	56.8	57.0	57.3	59.7	57.32
56.8	56.6	56.7	56.4	56.3	56.2	56.0	56.0	56.2	57.1	58.9	60.0	56.56
56.6	56.7	56.4	56.5	56.4	56.1	56.2	56.2	56.7	57.0	57.2	58.4	56.82
56.2	55.8	55.6	55.6	55.0	55.0	55.2	55.2	55.4	56.0	56.6	57.6	56.37
55.7	—	—	—	—	—	—	—	—	—	—	—	55.22
—	55.5	55.3	55.5	55.5	55.1	55.0	55.5	55.5	56.0	56.9	58.1	55.87
55.5	55.0	55.3	55.2	55.2	54.8	54.6	54.3	54.5	55.4	55.7	57.4	56.15
55.4	55.2	55.0	55.0	54.5	54.5	54.4	54.5	54.8	54.7	55.0	56.1	55.28
54.5	54.5	54.7	54.0	54.1	54.0	54.0	53.9	54.3	54.6	55.2	56.0	55.61
55.5	55.2	54.8	54.8	54.8	54.4	54.5	54.4	54.2	55.1	55.8	57.9	55.22
54.7	54.8	54.9	54.6	54.5	54.2	54.1	54.1	54.1	54.5	55.7	56.6	55.87
54.0	—	—	—	—	—	—	—	—	—	—	—	56.15
—	54.6	54.2	54.0	54.2	54.3	53.5	53.9	54.2	55.4	55.6	56.3	55.28
55.76	55.61	55.55	55.48	55.35	55.22	55.12	55.11	55.32	55.91	56.74	57.87	56.92
54.7	54.7	54.2	54.4	54.5	54.0	53.9	53.5	53.9	54.4	55.1	56.5	55.85
55.5	55.6	55.0	55.2	54.9	55.1	55.0	55.0	54.9	55.2	56.1	56.8	56.20
55.5	55.4	55.0	55.0	54.7	54.7	54.9	54.9	55.0	55.9	57.6	58.9	56.54
55.6	55.4	55.5	55.1	55.0	55.4	55.4	55.0	55.4	56.3	56.5	58.0	57.19
55.7	55.5	55.2	55.2	54.8	54.9	55.0	55.2	55.4	56.1	57.5	58.7	57.32
56.2	—	—	—	—	—	—	—	—	—	—	—	56.76
—	55.4	54.9	54.8	54.4	54.2	54.2	54.2	54.4	54.9	56.2	57.2	56.18
55.0	55.0	54.9	54.6	54.5	54.7	54.5	54.5	54.7	55.2	55.7	57.0	56.56
55.7	55.5	55.4	55.5	55.3	55.3	55.2	55.5	55.7	56.2	56.8	57.7	57.17
56.0	56.0	56.0	55.7	56.0	56.0	55.9	55.9	56.8	58.0	58.4	59.2	58.64
56.8	56.9	56.7	56.6	56.5	56.2	56.0	55.9	56.4	57.1	58.3	59.3	58.15
56.6	56.4	56.0	55.8	55.6	55.5	55.6	55.6	55.8	56.6	57.7	58.7	57.87
56.5	—	—	—	—	—	—	—	—	—	—	—	57.92
—	56.9	56.4	55.9	56.2	55.6	56.1	55.6	56.0	56.8	57.7	58.7	58.15
57.0	56.9	56.0	55.7	55.4	55.1	55.0	55.4	55.7	56.6	58.0	59.1	57.46
56.7	56.4	56.3	56.0	56.0	55.7	55.6	55.8	56.0	56.6	57.4	58.0	58.13
55.4	55.1	55.1	54.6	54.8	54.8	54.5	55.1	55.7	57.2	58.5	60.6	57.29
56.7	56.3	56.0	56.0	55.7	55.5	55.6	55.3	56.0	56.5	57.5	58.2	56.91
56.2	55.7	55.9	55.9	55.5	55.3	55.3	55.2	55.7	56.4	57.2	58.2	56.62
55.8	—	—	—	—	—	—	—	—	—	—	—	56.99
—	55.8	55.3	55.1	55.0	55.0	54.5	54.7	55.2	55.4	56.0	57.0	57.14
55.5	55.5	55.6	55.5	55.5	55.4	55.0	55.4	55.7	55.9	57.7	59.5	56.84
56.4	56.1	55.5	55.0	55.9	55.0	55.1	55.3	55.4	55.5	56.5	57.0	56.77
56.4	56.4	56.3	55.9	55.8	55.7	56.0	55.2	55.0	56.3	57.4	59.0	56.96
56.5	56.3	55.7	55.7	55.0	54.8	54.6	54.9	55.6	56.6	57.1	59.3	57.93
56.1	56.0	55.9	55.1	54.9	54.9	54.8	54.9	55.7	56.4	57.7	58.3	58.26
55.8	—	—	—	—	—	—	—	—	—	—	—	57.23
—	55.1	54.8	54.5	54.5	54.9	55.0	54.6	55.5	57.1	59.0	59.2	57.23
55.7	55.1	55.0	55.2	55.8	55.6	55.1	55.5	56.1	57.8	59.1	59.4	58.26
57.0	56.5	56.4	56.5	55.2	55.0	54.5	55.0	55.5	57.1	58.6	58.9	57.23
56.09	55.84	55.58	55.40	55.28	55.17	55.09	55.12	55.51	56.31	57.36	58.40	57.23

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10	
NOVEMBER.	1	56.6	61.3	62.5	60.9	61.6	58.9	59.4	58.0	57.4	57.0	56.8	56.7
	2	59.8	61.0	62.6	61.6	61.9	60.5	59.4	58.6	57.9	56.8	56.8	56.5
	3	61.0	62.5	61.9	61.4	63.3	63.5	60.4	59.2	58.6	57.8	57.3	57.6
	4	61.0	61.4	60.5	61.1	61.1	61.8	61.3	59.5	58.5	58.0	57.7	57.3
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	60.0	61.2	62.7	62.0	61.7	60.8	59.3	58.3	57.7	57.5	57.3	57.2
	7	60.0	60.5	62.0	61.9	61.1	60.4	59.7	58.8	57.6	57.5	57.0	57.0
	8	59.5	60.0	60.8	61.7	61.3	61.3	60.2	58.7	58.0	57.7	57.4	57.2
	9	60.0	60.6	61.2	61.0	60.7	60.2	59.5	58.0	57.1	57.1	56.9	56.8
	10	61.9	62.7	63.5	64.0	63.8	62.8	60.6	59.0	58.5	58.0	57.7	57.6
	11	61.1	61.2	61.8	62.3	62.5	62.2	61.2	60.3	59.0	58.4	58.5	58.0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	60.3	61.5	61.9	62.6	63.7	61.5	60.5	59.7	59.0	58.6	58.9	58.5
	14	59.4	62.0	62.5	61.9	61.0	59.2	59.0	58.3	57.7	57.5	57.9	57.6
	15	61.7	61.6	61.7	62.5	61.6	61.2	60.2	59.6	59.3	59.0	59.0	58.8
	16	61.5	62.1	61.2	61.0	61.0	60.4	60.0	59.5	59.5	59.0	59.4	59.0
	17	60.1	60.8	60.5	60.5	60.0	60.7	59.8	59.2	59.2	58.8	58.3	58.3
	18	60.0	61.2	59.7	61.1	60.4	60.0	59.8	58.9	58.5	57.7	57.9	58.0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	62.5	63.6	65.4	65.8	64.9	63.8	62.7	60.9	59.7	58.5	57.6	57.3
	21	63.6	64.8	65.0	65.9	66.1	65.6	65.1	62.6	61.0	60.0	59.4	59.6
	22	62.5	64.9	66.0	66.5	65.3	64.8	63.5	61.8	60.9	60.5	60.5	60.4
	23	61.4	64.0	64.5	64.6	64.8	65.2	63.0	61.0	59.6	59.5	59.3	59.3
	24	63.8	64.8	65.7	65.4	64.7	63.5	62.3	60.8	60.2	60.0	59.5	59.2
	25	64.3	65.0	65.1	66.7	67.7	67.8	67.1	63.5	61.8	61.2	60.7	60.4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	63.9	66.5	66.7	66.3	65.8	64.8	63.3	62.0	61.5	61.0	60.9	61.0
	28	62.6	63.0	63.5	62.9	63.0	62.8	62.4	62.3	61.6	61.5	61.5	60.7
	29	62.8	63.0	62.0	62.3	63.3	62.5	62.1	60.6	59.6	59.4	59.5	59.6
	30	63.0	64.1	62.9	63.3	61.8	61.2	60.5	59.6	58.6	58.4	58.8	58.8
Hourly Means	61.32	62.51	62.84	62.97	62.85	62.21	61.24	59.95	59.15	58.71	58.56	58.40	
DECEMBER.	1	62.5	64.6	64.7	64.5	63.1	62.7	61.8	61.0	60.5	60.1	59.9	60.0
	2	62.4	62.1	64.4	64.7	65.1	64.4	63.1	60.0	61.4	61.0	60.7	60.2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	62.5	62.0	63.2	64.5	65.8	64.2	63.5	62.0	61.5	61.4	61.4	61.4
	5	62.7	62.9	63.0	63.2	63.5	62.7	62.2	61.7	61.3	61.3	61.2	61.2
	6	61.3	61.8	61.6	60.8	61.6	60.9	60.5	60.5	60.0	60.0	59.7	59.6
	7	62.0	61.5	62.0	60.6	60.7	60.2	60.2	59.6	59.8	59.7	59.5	59.6
	8	61.0	61.7	63.2	62.9	63.0	63.0	62.2	60.2	60.0	59.8	59.8	59.6
	9	64.0	64.6	66.2	66.2	64.0	62.1	62.0	61.4	61.0	60.6	60.0	60.0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	64.2	65.4	62.5	64.4	63.4	62.5	62.2	61.2	60.8	60.5	60.5	60.0
	12	63.4	62.8	63.8	64.4	65.0	64.2	63.1	62.0	61.2	61.0	60.7	60.5
	13	66.5	67.5	66.8	67.8	68.7	65.9	65.1	63.4	62.0	61.4	61.3	61.1
	14	67.3	68.2	68.1	67.4	65.8	65.8	64.0	62.6	62.2	61.9	61.8	61.2
	15	66.0	67.0	68.0	67.6	65.7	65.6	65.6	63.1	62.0	61.5	60.8	61.0
	16	65.4	66.6	67.3	68.4	67.0	65.2	64.8	63.0	62.1	61.0	61.0	61.0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	63.7	66.5	66.4	67.0	67.4	66.2	64.5	63.8	62.0	61.8	61.3	60.8
	19	66.4	67.9	68.5	67.8	66.4	66.6	64.7	63.4	62.3	61.7	61.8	61.5
	20	65.8	65.8	67.6	68.2	70.0	68.9	68.3	66.6	64.2	63.2	63.0	61.7
	21	66.0	66.7	68.4	69.5	70.8	69.9	69.2	66.5	64.0	63.0	62.1	61.8
	22	67.6	69.1	70.9	72.0	72.0	72.4	71.9	68.4	65.6	64.2	62.9	63.5
	23	67.2	68.2	68.9	69.2	68.4	68.2	67.2	66.0	64.6	64.3	63.9	63.1
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—
	26	63.4	64.6	63.7	63.6	63.6	63.2	62.5	62.2	61.3	61.6	61.2	61.5
	27	64.6	63.6	64.2	65.1	66.0	65.0	63.8	63.0	62.5	61.8	61.2	61.6
	28	66.4	68.0	67.8	68.8	69.1	68.3	65.6	63.8	62.7	62.5	62.7	62.6
	29	65.8	68.6	69.5	67.4	67.5	67.5	66.6	64.8	64.0	63.4	63.0	62.8
	30	63.8	64.7	66.7	65.5	64.4	65.0	64.2	63.4	63.0	62.5	62.5	62.3
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	64.48	65.29	65.89	66.06	65.92	65.22	64.35	62.94	62.08	61.65	61.36	61.18	

<sup>a</sup> Christmas-day.

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
56.7	56.6	56.6	55.8	55.4	55.2	55.5	55.5	55.2	55.8	57.8	57.9	57.55
56.7	56.6	55.7	55.0	54.7	55.1	55.0	55.0	55.9	56.6	57.4	58.5	57.73
57.5	57.2	57.1	56.0	55.6	55.6	55.8	55.8	57.0	58.5	59.0	60.6	58.76
—	—	—	—	—	—	—	—	—	—	—	—	58.39
56.3	56.6	56.6	56.3	56.6	56.4	56.1	56.4	56.8	57.4	58.2	58.4	58.35
57.1	57.1	57.0	56.6	56.4	56.1	55.9	56.1	56.6	57.5	58.6	59.6	58.35
56.6	56.6	56.6	56.5	56.1	55.8	55.7	56.0	56.2	56.7	57.5	58.0	57.99
57.2	56.9	56.8	56.5	56.1	56.3	56.0	56.2	56.7	57.6	58.6	59.3	58.25
56.8	56.7	56.6	56.3	56.0	56.0	56.0	56.2	56.5	57.1	58.4	59.6	57.97
57.5	57.1	57.0	57.0	56.8	56.8	56.5	56.5	56.9	57.6	59.0	60.0	59.12
—	—	—	—	—	—	—	—	—	—	—	—	58.81
57.3	57.4	56.8	56.8	56.6	56.6	56.5	56.1	56.5	57.5	58.4	58.5	58.81
58.0	57.6	57.8	57.0	57.2	56.9	56.6	56.6	56.7	57.4	58.2	59.6	59.01
58.0	57.9	57.5	57.0	57.0	57.0	57.2	57.6	58.2	59.6	60.0	61.5	58.85
58.6	58.6	58.3	58.2	58.3	58.3	58.4	58.8	59.4	60.4	60.4	61.5	59.81
58.8	58.8	58.7	58.6	58.3	58.2	58.3	58.5	58.7	59.0	59.6	60.0	59.55
58.2	58.2	57.8	57.3	57.5	57.4	56.7	57.4	57.4	58.1	58.6	58.7	58.73
—	—	—	—	—	—	—	—	—	—	—	—	58.69
57.0	56.6	57.1	57.1	57.0	56.8	57.0	57.2	57.8	59.6	60.5	61.6	58.69
57.3	57.2	57.4	57.5	57.8	57.6	57.0	56.9	57.6	58.6	60.0	62.3	59.99
59.6	59.2	59.0	58.8	58.6	58.2	58.2	58.0	58.6	59.6	61.0	61.5	61.21
60.6	60.1	60.0	59.5	59.5	59.0	58.9	59.0	59.2	59.0	60.1	61.4	61.41
59.2	59.3	59.3	58.5	58.2	58.5	58.6	58.5	58.9	59.7	61.2	63.1	60.80
59.2	59.1	59.0	58.7	58.7	58.7	58.6	58.7	59.1	60.6	61.8	62.9	61.04
—	—	—	—	—	—	—	—	—	—	—	—	62.34
60.7	60.4	60.2	59.9	59.6	59.5	59.5	59.4	59.7	60.7	62.0	63.2	62.34
60.9	61.0	60.7	60.6	60.5	60.8	60.8	60.9	61.1	61.4	62.0	62.5	62.37
60.6	60.6	60.2	60.1	60.2	59.8	59.6	59.7	60.0	60.1	60.4	60.9	61.25
59.0	58.9	58.9	58.6	58.6	58.6	58.6	59.0	59.1	59.7	61.1	61.5	60.35
58.5	58.2	58.2	57.9	58.0	57.5	58.0	57.5	57.7	58.5	59.4	61.6	59.67
58.23	58.09	57.96	57.62	57.51	57.41	57.35	57.44	57.83	58.63	59.58	60.55	59.54
60.0	59.3	58.9	59.1	59.0	59.1	59.2	59.2	59.7	60.4	61.7	63.1	61.00
—	—	—	—	—	—	—	—	—	—	—	—	61.56
60.8	60.8	60.8	60.5	60.5	60.3	60.0	60.0	60.2	60.8	61.5	61.8	61.56
61.0	61.0	61.0	60.5	60.5	60.5	60.6	60.7	60.7	61.6	62.0	62.4	61.91
61.0	60.7	60.3	60.3	60.1	59.9	59.8	59.6	60.0	60.5	61.0	61.3	61.31
60.0	60.1	59.3	58.8	59.2	59.5	58.7	58.8	58.9	60.0	61.3	61.4	60.18
59.3	59.0	59.2	59.2	59.2	58.4	58.0	58.4	59.1	59.4	59.9	61.0	59.81
59.8	59.4	59.2	58.9	58.5	58.5	58.7	58.8	58.7	60.2	60.4	62.4	60.41
—	—	—	—	—	—	—	—	—	—	—	—	61.56
60.7	60.2	60.1	60.1	60.1	59.9	59.7	60.0	60.0	60.7	61.4	62.5	61.56
60.1	60.0	60.1	60.1	59.5	59.5	59.9	60.1	60.5	60.5	61.8	62.2	61.33
60.3	60.2	60.1	59.9	60.0	59.9	59.8	59.7	59.6	60.5	61.7	64.2	61.58
60.8	60.5	60.5	60.1	60.5	60.1	59.7	60.2	60.7	61.1	61.7	65.1	62.85
61.0	60.7	60.0	59.8	60.0	60.1	59.5	60.1	59.8	60.8	61.2	63.8	62.63
60.7	60.7	60.6	60.5	61.0	60.0	60.2	60.5	60.7	61.2	61.5	62.9	62.68
—	—	—	—	—	—	—	—	—	—	—	—	62.80
61.5	61.1	61.1	60.8	60.5	60.0	60.0	60.3	60.5	61.5	63.2	64.0	62.80
61.2	60.9	61.0	60.7	60.3	60.5	60.3	59.8	60.7	62.0	63.5	64.4	62.78
61.5	60.6	60.4	60.0	59.6	59.3	59.8	60.1	60.4	62.2	64.0	65.7	63.02
61.1	60.6	60.0	60.3	60.2	60.5	60.6	60.7	61.2	61.8	63.8	64.5	63.69
61.9	62.0	62.0	61.8	61.6	61.0	61.0	61.0	61.6	62.4	64.5	66.6	64.39
63.5	62.7	62.8	62.8	62.5	63.0	63.0	63.2	63.4	64.2	66.3	65.0	65.95
—	—	—	—	—	—	—	—	—	—	—	—	64.55
62.1	62.0	61.7	61.6	61.6	61.9	62.2	62.2	62.7	63.1	63.8	65.0	64.55
—	—	—	—	—	—	—	—	—	—	—	—	61.72
61.2	60.7	60.7	60.4	60.4	60.2	60.2	60.3	60.5	60.8	61.0	62.6	61.72
60.7	60.9	60.8	60.7	60.6	60.5	60.8	60.9	61.0	62.2	63.7	64.4	62.48
62.3	62.1	61.9	61.9	62.1	61.9	61.9	61.9	62.1	63.1	64.6	65.2	64.14
63.0	62.7	62.2	62.5	62.0	61.8	61.5	61.6	62.5	62.7	63.1	63.9	64.18
—	—	—	—	—	—	—	—	—	—	—	—	62.49
61.7	61.7	61.3	60.9	60.8	60.4	60.2	60.7	60.0	60.9	61.3	62.0	62.49
61.09	60.82	60.64	60.49	60.41	60.27	60.21	60.35	60.61	61.38	62.39	63.49	62.44

WET AND DRY THERMOMETERS.													
Hours of Mean Göttingen Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
	Hours of Mean St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10
Wet Thermometer. JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	62·8	63·4	63·6	63·2	63·2	62·4	62·1	61·8	61·2	61·9	61·4	61·3
	3	62·5	62·6	63·9	62·7	61·1	62·9	62·8	61·5	61·6	61·3	60·6	60·4
	4	62·0	62·2	61·4	62·0	61·7	62·7	61·5	60·6	59·5	60·0	60·4	60·4
	5	62·2	62·4	61·2	62·1	62·2	61·9	61·6	59·8	59·4	60·2	60·4	60·8
	6	60·5	61·5	61·8	61·8	61·8	61·2	61·6	60·6	59·8	60·4	60·4	60·8
	7	61·5	62·2	62·6	63·2	62·1	61·8	61·7	61·0	59·8	58·6	58·3	59·2
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	62·0	62·8	62·1	61·9	62·2	63·1	62·6	62·2	61·5	61·2	61·7	61·6
	10	61·8	62·8	62·9	63·3	63·4	62·2	62·3	61·7	61·6	61·8	61·8	61·8
	11	63·8	63·3	63·6	63·2	63·8	63·3	63·3	62·5	62·5	62·3	62·6	62·3
	12	63·8	62·4	64·0	63·8	62·4	62·8	63·5	63·1	61·7	62·2	62·9	62·0
	13	63·8	64·4	64·5	64·4	64·3	63·7	63·4	62·6	62·4	62·5	62·8	62·9
	14	63·8	64·0	63·9	64·3	64·1	63·9	62·9	62·7	62·0	62·7	61·7	61·8
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	64·4	64·2	64·0	63·3	62·8	62·8	62·8	62·2	60·8	60·7	62·0	62·0
	17	63·5	62·2	64·1	63·8	62·4	62·6	62·9	61·5	61·8	61·3	60·8	61·4
	18	63·8	63·8	63·3	62·9	63·1	62·1	63·0	62·2	61·3	60·6	61·3	61·5
	19	63·0	63·8	63·8	63·5	63·7	63·1	62·4	62·1	60·8	61·1	61·4	61·2
	20	64·2	64·7	64·1	63·6	63·8	63·4	63·8	62·6	62·8	62·6	62·8	62·7
	21	64·1	64·8	64·1	63·8	64·2	63·9	62·6	62·5	62·4	63·4	62·9	62·2
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	65·1	64·5	64·6	64·7	63·8	63·3	61·8	62·0	61·7	61·9	62·0	61·0
	24	63·9	62·7	62·8	61·5	63·3	63·7	62·4	62·2	61·8	61·4	61·6	61·5
	25	63·5	65·2	65·5	64·6	64·6	65·0	63·8	62·8	62·8	63·0	62·4	62·0
	26	64·1	63·2	62·8	64·7	63·3	63·2	62·6	62·5	62·3	62·5	62·6	62·6
	27	62·7	63·9	64·0	64·2	64·7	64·3	64·4	63·2	62·6	62·4	63·8	63·0
	28	64·4	63·6	64·5	64·3	64·0	63·9	63·4	64·1	63·5	63·6	63·4	63·4
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	63·9	64·1	63·0	64·1	64·5	64·8	64·3	63·9	63·2	62·2	61·5	62·0
	31	63·0	63·4	62·9	63·7	65·3	64·1	64·6	63·3	63·0	63·3	63·1	62·7
Hourly Means	63·23	63·39	63·42	63·41	63·30	63·16	62·85	62·20	61·68	61·73	61·79	61·71	
Dry Thermometer. JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	66·5	64·8	65·6	64·2	64·5	64·0	63·4	62·8	62·3	62·6	62·2	62·0
	3	66·2	67·8	69·0	68·8	67·9	68·0	66·3	64·3	63·8	63·2	62·6	62·1
	4	67·0	67·0	66·5	66·8	68·7	68·6	66·2	63·8	63·1	62·8	62·0	62·8
	5	65·2	63·7	62·9	64·1	66·2	65·6	63·8	63·1	62·4	62·4	62·2	62·4
	6	65·5	68·7	69·8	67·0	67·1	65·5	64·4	63·6	63·3	63·0	62·9	63·0
	7	66·6	68·6	70·0	68·4	68·0	66·9	66·9	65·8	63·0	61·9	61·2	61·6
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	63·8	68·3	70·6	70·0	70·5	68·4	68·1	65·9	64·6	64·0	63·8	63·6
	10	67·6	68·9	69·4	69·8	69·1	67·7	66·6	65·6	64·3	63·9	64·0	64·1
	11	68·1	68·8	68·4	68·2	68·2	67·7	66·5	65·6	64·5	64·2	64·2	64·0
	12	69·8	71·0	71·2	71·4	71·5	70·0	67·7	65·8	64·8	64·3	64·4	63·8
	13	68·5	70·1	70·3	70·0	69·4	68·2	67·0	65·2	64·6	64·2	64·0	64·0
	14	68·0	68·4	68·4	69·0	68·1	68·1	66·3	65·2	64·2	63·7	63·8	63·6
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	70·4	70·0	69·8	69·4	68·2	67·5	66·8	65·2	63·9	63·7	64·2	64·0
	17	68·0	69·8	70·4	70·3	68·0	67·8	68·2	65·2	64·4	63·9	63·3	63·4
	18	69·6	70·1	68·5	68·3	68·3	69·3	68·7	66·4	64·7	64·0	64·0	63·7
	19	68·4	71·0	69·4	68·4	70·4	68·2	67·7	66·0	64·3	64·1	64·1	63·7
	20	67·6	68·8	68·9	68·2	66·8	66·5	66·1	65·4	64·8	64·2	64·4	64·4
	21	69·1	71·0	68·0	66·5	67·7	67·8	65·6	65·3	64·4	64·7	64·2	64·2
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	70·1	70·5	70·3	69·8	68·4	67·9	66·4	65·7	64·9	64·6	64·0	63·2
	24	70·8	70·5	70·2	69·3	70·9	71·2	68·8	68·0	66·0	64·8	64·6	64·3
	25	69·5	71·8	73·0	72·3	71·7	70·4	68·4	66·9	65·8	65·6	65·2	64·7
	26	69·9	69·2	70·4	71·3	69·8	68·7	68·0	67·8	66·0	65·5	65·0	64·8
	27	68·3	69·6	71·0	70·7	70·3	69·7	69·6	67·7	65·9	65·1	65·2	65·0
	28	70·3	72·2	73·8	72·6	71·5	69·9	68·5	68·1	66·5	66·0	65·7	65·4
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	70·6	68·9	72·4	73·1	71·0	69·1	68·0	66·8	65·7	65·0	64·5	64·8
	31	68·6	70·4	70·9	70·4	70·5	69·8	66·9	65·4	65·2	65·0	64·2	64·4
Hourly Means	68·23	69·23	69·58	69·17	68·95	68·17	66·96	65·64	64·52	64·09	63·84	63·73	

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
61.1	60.3	60.2	60.0	60.6	59.8	60.2	60.1	60.3	61.2	60.6	61.7	61.43
60.0	59.5	59.2	60.0	59.4	59.6	59.6	59.4	59.4	58.9	59.2	61.0	60.79
59.8	59.4	59.4	60.3	60.2	58.1	58.0	59.7	59.5	60.2	61.2	60.7	60.45
60.4	59.2	58.7	58.9	59.8	60.0	59.4	58.0	59.9	60.6	60.3	61.4	60.45
61.4	61.1	59.0	58.7	60.0	60.2	60.7	58.2	57.7	60.1	60.6	61.0	60.45
59.4	60.6	58.9	58.1	60.4	60.2	58.0	58.3	60.8	61.3	60.0	62.0	60.42
61.6	60.2	61.4	58.1	61.3	60.3	57.5	57.5	59.2	61.1	61.0	61.5	61.07
61.6	60.8	60.8	61.2	61.9	62.2	62.1	62.1	62.7	62.8	63.0	63.2	62.16
62.2	62.4	62.1	59.6	59.8	59.8	61.4	62.0	59.2	61.4	63.2	61.3	62.12
62.2	62.1	61.8	61.4	62.2	61.6	61.1	61.3	62.0	62.6	62.8	63.8	62.48
62.6	62.4	62.2	62.1	61.4	61.4	60.4	61.2	61.7	62.2	62.8	63.4	62.73
61.8	61.1	60.9	60.3	60.8	60.0	60.2	60.3	60.9	61.3	62.5	62.6	62.10
62.0	61.2	60.7	60.7	61.0	60.5	60.2	60.7	61.4	62.2	62.8	63.0	62.02
61.5	61.3	61.2	61.0	60.8	61.0	61.3	60.6	61.0	62.0	62.7	63.4	61.92
61.7	62.3	61.5	61.4	60.8	60.9	61.0	60.8	60.7	61.4	62.6	63.4	61.98
61.1	61.2	61.1	61.1	61.2	61.5	61.6	61.5	62.1	61.0	63.0	63.6	62.08
62.9	61.8	61.4	62.8	62.2	62.0	61.8	61.7	61.0	61.2	63.3	63.8	62.79
62.8	63.5	61.4	62.8	61.2	61.7	62.5	61.6	61.4	61.9	63.2	63.2	62.84
61.0	61.6	62.0	62.0	61.8	61.0	61.5	61.8	62.3	62.5	62.3	63.1	62.47
61.6	61.4	61.6	60.9	61.0	61.1	61.6	61.8	62.4	62.5	62.8	63.2	62.11
62.0	61.8	61.5	61.0	61.4	61.2	61.4	61.6	61.6	61.6	63.2	63.4	62.79
62.4	62.7	62.8	62.9	62.4	62.0	62.1	61.8	62.1	63.0	62.9	63.4	62.79
63.2	63.2	63.0	63.0	62.2	62.7	62.8	62.4	63.1	63.6	64.0	63.0	63.31
63.2	63.8	63.2	62.8	63.1	61.4	60.8	61.7	60.4	60.8	61.5	63.0	62.99
61.4	62.5	60.3	61.8	61.5	61.5	63.2	63.3	63.6	63.1	62.8	61.6	62.84
63.2	63.2	62.8	62.8	62.6	63.0	62.2	62.8	62.0	61.4	63.5	64.7	63.19
61.69	61.56	61.12	60.99	61.19	60.95	60.87	60.85	61.09	61.61	62.22	62.67	62.03
61.8	61.8	61.0	61.4	61.5	61.3	61.2	61.3	61.1	62.2	62.0	63.6	62.71
61.8	61.5	61.3	61.6	61.3	61.2	61.1	61.2	61.2	62.2	61.8	63.7	63.75
61.8	61.6	61.4	61.7	61.8	61.3	61.4	61.8	60.8	61.5	63.0	62.2	63.57
61.9	60.8	60.9	60.9	61.3	61.6	61.1	60.4	61.9	63.2	62.3	64.5	62.70
63.1	62.8	61.4	60.6	61.8	61.8	61.9	61.5	62.5	64.2	62.8	64.7	63.87
61.8	62.8	61.9	61.9	62.2	62.4	62.0	62.3	62.0	62.8	64.4	66.2	64.23
63.4	63.0	63.4	62.5	63.4	62.9	62.5	62.6	63.6	64.4	66.9	65.4	65.23
63.8	63.7	63.5	63.6	63.6	63.4	63.3	63.3	64.0	64.3	65.2	65.8	65.35
64.0	64.0	63.9	63.2	63.4	63.6	63.7	63.5	63.6	65.1	66.8	67.9	65.46
63.7	63.5	63.1	62.9	63.0	62.6	62.6	62.7	63.6	65.7	67.8	69.2	66.09
63.7	63.6	63.5	63.5	63.0	63.0	62.5	62.6	62.7	64.0	65.4	66.4	65.39
63.4	63.2	62.9	62.6	62.6	62.0	62.3	62.3	63.0	63.6	65.5	67.8	64.92
63.8	62.8	62.4	62.4	62.4	61.8	62.0	62.1	62.8	64.0	64.9	65.2	64.99
63.4	63.0	62.9	62.7	62.4	62.4	62.5	62.3	63.9	64.9	66.5	67.2	65.28
63.8	63.7	63.1	62.9	62.7	62.5	62.5	62.4	62.3	63.0	65.1	67.7	65.30
63.4	63.4	63.2	63.0	63.1	63.2	63.2	63.3	63.8	62.5	64.4	65.1	65.30
64.2	63.7	63.6	63.8	63.5	63.5	63.4	63.6	63.8	64.6	66.9	66.8	65.31
64.2	64.2	63.8	64.0	63.2	63.0	63.5	63.2	63.8	64.6	66.9	69.7	65.53
63.4	63.5	63.6	63.6	63.1	62.8	63.0	63.2	64.1	66.2	65.3	68.7	65.68
63.9	63.8	64.0	63.2	62.9	62.9	63.2	63.4	64.0	65.3	66.6	67.9	66.27
64.4	64.3	64.0	63.4	63.4	63.4	63.5	63.6	64.8	65.6	68.8	68.6	66.79
64.4	64.4	64.8	64.7	64.3	63.8	63.8	63.9	64.4	65.6	66.2	67.0	66.40
65.2	64.8	64.7	64.9	64.1	64.4	64.4	64.2	64.6	65.4	66.6	68.3	66.65
65.0	64.9	64.5	64.2	64.2	63.8	63.8	64.4	64.4	64.7	66.0	68.6	67.00
64.7	64.6	64.0	64.2	64.1	64.0	64.3	64.6	65.4	65.8	66.8	68.6	66.71
64.6	64.0	63.9	63.7	63.9	63.9	63.8	64.0	64.2	65.0	67.8	68.3	66.20
63.56	63.36	63.10	62.97	62.93	62.79	62.79	62.83	63.32	64.25	65.49	66.73	65.26



WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	FEBRUARY.	1	64.6	65.1	65.0	64.4	64.6	64.1	63.2	63.4	63.0	62.3	62.5	62.8	
		2	63.6	64.6	64.8	63.6	64.2	64.3	64.0	63.7	62.8	62.8	62.4	62.2	
		3	63.9	64.5	65.0	64.4	65.0	64.2	62.8	62.5	62.2	62.2	62.3	62.0	62.0
		4	64.6	64.2	64.1	64.7	65.3	64.4	63.8	63.6	63.2	63.2	62.9	63.1	63.1
		5	—	—	—	—	—	—	—	—	—	—	—	—	—
		6	65.3	65.0	65.6	66.2	65.0	65.4	64.6	64.2	64.0	63.3	63.3	63.4	63.5
		7	66.0	66.0	65.8	65.3	65.1	64.8	64.2	63.7	63.8	63.1	63.1	63.2	62.8
		8	65.4	64.7	64.2	65.0	64.6	63.8	61.9	62.9	62.8	62.8	62.8	63.0	63.7
		9	63.9	63.6	63.8	63.6	63.2	63.3	63.1	62.0	62.0	61.8	62.0	61.3	61.3
		10	62.6	63.6	62.3	62.9	62.6	62.4	63.8	63.1	62.2	61.1	61.8	61.8	62.0
		11	64.3	64.4	65.4	64.2	65.2	64.8	63.5	63.6	63.6	63.1	62.8	62.5	62.0
		12	—	—	—	—	—	—	—	—	—	—	—	—	—
		13	62.7	62.3	63.9	63.0	63.1	62.9	63.1	62.0	61.6	61.8	61.3	61.3	62.0
		14	65.5	65.9	65.6	66.0	64.5	63.4	63.5	63.6	63.1	62.6	63.4	63.4	63.8
		15	64.5	64.6	65.2	64.6	65.8	65.0	64.6	64.2	63.1	62.3	62.9	62.9	62.4
		16	63.0	64.4	64.6	64.6	64.4	64.8	64.1	63.7	63.4	63.5	63.3	63.3	62.5
		17	64.5	63.9	63.9	64.3	64.8	64.3	63.4	64.4	63.7	63.0	63.9	63.9	64.3
		18	64.9	65.1	64.1	63.2	65.7	64.1	63.6	64.4	63.2	63.6	63.2	63.2	63.4
		19	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	62.6	62.4	62.5	63.7	62.7	63.0	63.3	61.9	62.2	62.4	62.4	62.8	61.8
		21	64.6	64.8	64.0	63.8	64.6	63.0	62.9	63.4	62.1	60.3	59.4	59.4	61.4
		22	62.6	62.6	63.8	64.8	64.3	64.9	63.5	62.9	62.2	61.9	61.7	61.7	62.2
		23	62.7	63.3	64.1	64.9	64.2	64.9	64.4	64.0	63.9	63.8	62.5	62.5	63.5
		24	67.0	67.6	68.3	68.7	69.5	68.1	67.0	65.3	64.4	63.8	63.5	63.5	63.9
		25	66.5	67.4	67.0	67.1	68.0	67.6	67.2	66.3	66.2	66.3	66.4	66.4	66.6
		26	—	—	—	—	—	—	—	—	—	—	—	—	—
		27	67.3	66.3	66.8	66.4	66.4	66.3	65.3	65.2	64.4	64.8	64.8	64.8	65.0
		28	66.0	66.3	65.2	66.0	64.8	64.4	64.1	63.3	62.8	62.5	61.8	61.8	62.1
		Hourly Means		64.53	64.69	64.79	64.81	64.90	64.51	63.95	63.64	63.14	62.85	62.78	62.93
Dry Thermometer.	FEBRUARY.	1	68.9	71.6	69.4	70.1	69.6	69.1	68.2	66.2	65.2	64.8	64.8	64.7	
		2	70.4	70.6	71.5	71.8	73.0	71.6	68.6	67.6	66.0	65.5	64.9	64.7	
		3	69.7	71.4	71.3	69.6	71.1	69.8	67.9	66.6	65.3	65.1	64.5	64.6	
		4	69.8	71.6	71.9	72.7	72.2	70.7	67.7	66.6	65.9	65.6	65.3	65.3	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	66.9	67.8	68.8	70.4	69.9	69.0	67.7	66.2	65.5	65.2	65.2	65.1	
		7	67.7	68.4	69.0	69.1	68.6	67.9	66.6	65.7	65.2	64.8	64.7	64.4	
		8	69.2	68.0	69.2	71.5	70.4	68.0	66.5	66.0	65.4	65.1	64.9	65.2	
		9	70.9	69.8	69.6	69.0	67.8	67.8	65.8	65.6	64.6	64.4	64.4	64.0	
		10	70.4	69.4	72.0	72.7	71.8	71.8	70.0	68.1	66.0	64.8	64.8	64.8	
		11	70.1	71.4	72.0	71.2	71.3	71.6	67.7	66.6	65.9	65.5	65.1	64.9	
		12	—	—	—	—	—	—	—	—	—	—	—	—	
		13	70.4	70.0	72.2	71.5	70.6	69.0	69.6	66.6	64.8	64.8	64.1	64.4	
		14	66.4	66.6	67.8	67.6	65.4	64.2	64.4	64.6	64.1	63.4	64.0	64.3	
		15	68.3	68.2	68.6	68.9	70.0	69.3	68.6	67.8	65.5	65.0	64.9	64.7	
		16	68.5	69.2	69.8	70.0	68.6	68.2	67.2	66.0	65.3	65.3	65.1	64.6	
		17	69.1	71.9	70.5	71.9	71.8	71.3	69.5	67.7	65.9	65.0	65.6	65.7	
		18	70.7	70.8	72.4	72.2	72.6	70.3	68.6	67.8	65.9	65.8	65.4	65.2	
		19	—	—	—	—	—	—	—	—	—	—	—	—	
		20	70.6	73.0	73.1	73.8	72.7	72.4	71.3	68.2	66.6	66.1	65.8	65.7	
		21	70.6	73.4	72.8	72.5	72.8	70.9	70.1	68.8	66.3	64.9	63.4	64.7	
		22	71.7	71.8	72.8	71.6	71.9	71.8	70.0	68.6	66.6	66.4	65.9	65.8	
		23	71.0	72.6	73.4	73.9	73.1	73.1	70.4	68.6	67.9	67.5	66.7	66.5	
		24	71.6	72.3	72.6	73.4	71.3	69.3	68.1	66.6	65.7	65.5	65.5	65.6	
		25	70.8	72.5	72.9	72.9	71.3	72.0	70.4	67.8	67.4	67.0	67.1	67.2	
		26	—	—	—	—	—	—	—	—	—	—	—	—	
		27	67.4	66.7	67.0	67.0	66.9	67.0	66.3	65.7	65.6	65.7	65.6	65.3	
		28	68.5	69.7	69.4	70.5	67.7	66.8	66.8	65.3	65.0	65.0	64.8	64.6	
		Hourly Means		69.57	70.36	70.83	71.07	70.52	69.70	68.25	66.89	65.73	65.34	65.10	65.08

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
°	°	°	°	°	°	°	°	°	°	°	°	°
63.1	62.9	63.1	61.0	61.6	61.4	62.1	61.8	62.2	63.8	64.2	64.4	63.19
62.3	62.8	62.6	62.1	61.8	61.4	61.6	61.8	62.8	62.7	63.0	62.9	62.95
60.8	61.0	61.1	60.2	61.8	61.5	61.8	61.6	60.7	60.3	62.8	62.4	62.37
—	—	—	—	—	—	—	—	—	—	—	—	—
63.2	63.5	62.8	63.0	63.2	63.5	62.6	62.9	63.4	62.2	64.0	65.2	63.60
63.8	63.2	63.2	63.6	63.8	64.0	63.8	63.4	62.0	62.8	63.4	65.3	64.08
63.2	63.0	62.6	62.8	62.6	62.7	63.0	63.1	63.4	63.4	64.0	64.4	63.83
62.8	62.8	63.2	63.2	62.6	62.9	62.7	60.6	62.7	62.7	61.0	60.9	63.04
60.9	61.0	61.1	61.2	61.1	61.6	61.8	60.8	59.4	61.1	62.6	62.3	62.02
62.0	61.3	61.8	61.4	60.4	59.8	60.8	62.7	60.8	63.2	63.2	65.0	62.20
—	—	—	—	—	—	—	—	—	—	—	—	—
62.1	61.1	59.5	60.3	59.5	59.6	58.6	57.4	60.5	60.2	60.4	61.0	61.92
62.2	62.5	62.4	62.3	60.9	62.2	62.0	63.4	63.6	64.0	65.2	65.3	62.74
63.8	63.2	63.6	63.3	63.4	63.2	62.8	62.4	62.9	63.5	63.9	64.5	63.81
61.7	63.0	62.8	62.6	61.9	61.4	60.9	61.6	61.7	62.2	62.1	63.1	63.11
62.9	63.2	62.2	62.4	62.2	62.6	63.6	62.0	62.4	62.9	63.0	64.0	63.32
64.0	64.4	64.2	64.0	63.3	62.6	63.2	62.5	63.0	63.9	63.3	63.9	63.78
—	—	—	—	—	—	—	—	—	—	—	—	—
62.4	62.2	60.7	59.4	61.0	60.0	58.9	57.9	58.6	61.8	62.8	62.8	62.38
61.6	61.1	61.3	61.5	62.3	61.7	62.4	62.6	63.0	63.4	61.9	63.6	62.40
61.8	61.8	61.7	61.8	62.1	61.4	60.0	60.7	61.3	59.7	61.0	63.2	62.12
62.2	61.7	62.0	62.1	62.1	61.7	61.2	62.9	62.7	62.9	62.6	63.1	62.69
64.6	63.4	62.2	61.3	63.8	64.4	64.2	63.0	63.2	63.2	64.6	65.9	63.75
62.7	62.8	63.0	61.2	61.6	61.8	62.0	63.0	64.2	62.8	64.0	65.2	64.64
—	—	—	—	—	—	—	—	—	—	—	—	—
66.3	67.1	67.2	67.4	66.8	67.0	66.5	66.5	66.6	67.0	67.1	67.0	66.88
65.4	64.6	64.3	64.4	63.2	64.2	64.2	64.2	63.8	63.8	64.2	66.4	65.07
61.9	60.9	60.8	61.1	61.2	61.4	60.9	59.2	61.8	60.9	62.8	62.0	62.68
62.82	62.69	62.47	62.23	62.26	62.25	62.15	62.00	62.36	62.68	63.21	63.91	63.27
64.6	64.5	64.3	63.8	64.2	64.1	63.8	63.9	63.1	64.6	65.5	67.0	66.01
64.6	64.4	64.5	64.2	64.2	63.8	63.6	63.8	64.2	64.8	66.6	69.4	66.85
64.1	63.8	63.9	63.6	64.0	63.9	63.4	63.7	63.8	65.0	67.6	69.4	66.38
—	—	—	—	—	—	—	—	—	—	—	—	—
65.2	65.1	64.4	64.6	64.7	64.8	64.2	64.5	64.6	63.6	65.8	67.1	66.83
65.0	64.7	64.7	64.6	64.8	64.6	64.4	64.1	63.2	63.4	64.6	66.5	65.93
64.8	64.3	64.1	64.1	64.0	64.0	64.2	64.4	64.8	65.2	66.2	67.2	65.81
64.8	64.7	64.7	64.5	64.0	64.3	64.3	64.1	65.0	66.1	67.9	69.1	66.37
63.8	63.8	63.7	63.7	63.5	63.8	63.8	62.7	61.4	64.4	67.7	69.4	65.64
64.8	64.3	64.5	64.2	62.1	62.6	63.3	64.0	63.0	65.1	65.4	67.9	66.58
—	—	—	—	—	—	—	—	—	—	—	—	—
64.8	63.9	62.7	63.5	63.1	62.8	62.8	62.6	63.2	64.1	65.5	67.7	66.25
64.4	64.5	64.7	64.4	64.5	64.0	63.6	64.4	64.6	64.9	66.2	66.9	66.46
64.4	64.0	64.2	64.1	64.2	64.1	63.8	63.8	64.2	64.9	65.6	67.3	64.89
64.2	64.4	64.2	64.2	63.6	63.3	62.8	63.3	63.6	65.3	67.8	67.8	66.01
64.4	64.6	64.1	63.9	64.0	64.1	64.2	63.5	64.0	65.0	67.0	69.0	66.07
65.5	65.4	65.4	65.2	64.9	64.6	64.6	64.6	65.1	65.4	66.8	68.7	67.17
—	—	—	—	—	—	—	—	—	—	—	—	—
64.8	65.0	64.6	64.0	64.3	64.1	64.4	64.5	65.2	66.2	68.6	69.9	67.22
65.2	64.7	64.9	64.5	64.6	64.3	64.3	64.6	65.2	67.6	68.5	70.8	67.85
65.1	65.0	64.8	64.5	64.5	64.2	64.0	64.4	65.2	66.0	67.9	69.5	67.35
65.6	65.4	65.2	65.2	65.1	64.2	64.0	64.8	65.2	66.1	67.6	69.9	67.63
66.8	66.1	65.5	65.1	66.0	66.2	66.0	65.9	66.4	67.1	69.3	70.2	68.55
65.3	65.2	65.3	64.6	64.8	65.0	65.1	65.1	65.4	66.4	68.1	68.9	67.36
—	—	—	—	—	—	—	—	—	—	—	—	—
67.0	67.4	67.4	67.6	67.1	67.2	66.6	66.6	66.6	67.2	67.2	67.1	68.51
65.8	65.3	65.0	65.0	63.6	64.6	64.8	64.5	64.6	64.3	65.3	68.2	65.72
64.2	64.2	63.8	64.0	63.7	63.5	62.1	62.1	63.7	61.7	65.1	67.8	65.42
64.97	64.78	64.61	64.46	64.31	64.25	64.09	64.16	64.39	65.18	66.82	68.45	66.62

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	MARCH.	1	62.3	63.6	64.4	65.1	65.0	64.6	63.4	62.9	63.3	62.3	62.8	63.0
		2	65.1	65.5	65.0	65.9	65.1	64.8	64.8	64.4	64.0	63.4	63.6	63.6
		3	65.0	65.0	65.0	65.0	65.5	65.4	64.8	63.8	64.5	63.8	63.6	63.2
		4	63.5	64.1	64.4	64.3	64.2	63.0	62.3	61.5	61.9	60.5	59.4	59.1
		5	—	—	—	—	—	—	—	—	—	—	—	—
		6	65.4	66.1	64.8	65.2	65.0	64.9	64.0	62.6	62.8	62.6	62.3	61.1
		7	65.9	64.6	64.8	64.8	65.4	65.0	65.0	64.4	64.5	64.9	64.6	65.0
		8	66.8	66.7	66.6	66.0	66.5	66.0	64.7	64.4	64.8	64.6	64.8	65.1
		9	66.6	66.2	66.3	66.0	65.4	65.0	65.2	64.5	64.1	64.0	63.6	63.0
		10	64.7	65.2	66.2	65.7	64.9	64.8	63.6	63.9	62.8	63.2	62.6	63.3
		11	66.6	66.6	66.7	65.8	66.1	65.8	65.2	64.7	64.5	64.8	64.5	64.3
		12	—	—	—	—	—	—	—	—	—	—	—	—
		13	65.6	65.4	65.4	65.8	65.4	65.0	64.5	63.6	63.1	63.4	63.7	63.5
		14	65.6	65.6	65.7	65.4	65.2	64.3	63.8	63.1	62.8	62.9	62.6	63.2
		15	63.5	63.0	63.0	63.5	64.8	63.3	63.4	62.8	62.3	61.8	61.3	61.2
		16	64.9	64.2	64.3	64.9	63.1	63.4	63.0	63.2	62.4	62.7	62.8	63.0
		17	62.8	65.1	65.0	65.1	65.0	63.9	63.6	63.0	62.0	62.2	61.3	61.7
		18	63.5	63.8	63.0	63.9	62.2	63.1	63.1	62.8	62.8	62.6	62.4	61.4
		19	—	—	—	—	—	—	—	—	—	—	—	—
		20	64.2	66.2	66.5	65.2	65.3	64.5	64.0	64.1	63.5	63.2	63.3	63.6
		21	63.8	64.6	64.6	65.4	64.9	63.9	64.1	63.1	63.3	63.1	63.6	63.8
		22	65.1	65.6	67.2	64.8	63.3	63.6	63.0	62.8	61.6	61.8	62.2	61.6
		23	63.4	64.0	64.0	64.2	63.4	63.5	63.0	62.4	62.0	61.2	61.4	60.9
		24	63.8	63.6	65.1	64.5	64.0	63.8	63.1	62.2	63.0	61.7	62.0	61.8
		25	63.8	64.0	63.4	62.8	63.5	61.9	62.6	62.2	61.7	61.9	60.6	61.1
		26	—	—	—	—	—	—	—	—	—	—	—	—
		27	67.4	66.7	65.3	66.2	64.0	64.2	62.8	64.8	64.6	64.2	63.9	64.2
		28	66.2	65.2	65.2	65.4	65.7	64.6	63.6	63.8	63.6	63.6	63.8	63.3
		29	65.2	65.9	65.7	65.8	65.9	65.6	65.0	65.2	65.5	65.6	65.4	65.4
		30	66.8	66.5	66.5	66.5	66.6	66.0	65.4	65.2	65.6	65.0	64.8	65.1
		31	65.2	65.4	66.2	64.6	65.8	65.6	65.0	64.6	65.1	64.6	64.6	63.6
		Hourly Means		64.91	65.13	65.19	65.12	64.86	64.43	63.93	63.56	63.41	63.17	63.02
Dry Thermometer.	MARCH.	1	69.8	70.8	71.1	70.2	70.8	69.0	67.7	66.1	65.2	65.0	64.9	64.7
		2	68.6	68.5	68.9	70.3	68.2	67.6	66.0	65.8	65.2	64.7	64.8	64.8
		3	68.1	68.3	66.7	68.2	66.9	67.4	66.8	65.2	65.2	64.6	64.0	64.1
		4	65.2	66.8	66.0	67.2	66.7	67.8	67.2	65.2	64.7	64.0	64.0	63.4
		5	—	—	—	—	—	—	—	—	—	—	—	—
		6	67.3	68.2	68.1	70.7	71.4	68.8	67.7	66.4	65.6	65.6	65.0	65.0
		7	70.2	69.4	68.1	70.9	70.6	71.7	68.7	67.4	66.6	66.5	66.2	66.1
		8	67.8	67.8	67.8	67.3	68.8	67.9	67.2	66.2	65.8	65.8	65.6	65.6
		9	66.9	66.6	66.6	66.5	65.8	65.5	65.8	65.1	64.9	64.9	64.9	64.2
		10	65.6	66.5	68.6	67.3	67.0	66.6	65.4	64.8	63.4	64.3	64.6	64.7
		11	69.2	70.4	70.1	68.8	69.1	67.8	66.1	65.6	65.2	65.1	65.0	64.6
		12	—	—	—	—	—	—	—	—	—	—	—	—
		13	68.1	69.0	69.0	69.6	68.6	68.0	67.1	65.6	65.3	65.2	65.1	64.9
		14	68.8	67.7	69.4	69.3	67.5	66.9	66.4	65.6	65.2	64.9	64.6	64.8
		15	66.0	67.0	67.0	68.3	68.9	68.4	66.7	66.2	65.4	64.8	64.4	64.2
		16	68.7	69.0	69.1	70.4	68.4	69.6	68.6	67.0	65.8	65.8	65.6	65.3
		17	68.2	70.3	70.6	71.2	71.0	69.4	68.3	66.4	65.3	65.2	64.6	64.7
		18	70.7	71.0	71.2	71.9	71.8	70.8	69.5	67.8	66.6	66.0	65.6	65.4
		19	—	—	—	—	—	—	—	—	—	—	—	—
		20	64.9	67.5	68.6	66.9	67.7	66.5	66.0	65.5	65.1	64.8	64.8	64.8
		21	66.4	67.0	67.3	68.8	68.4	67.8	66.5	65.8	65.4	65.1	65.2	64.9
		22	69.6	68.4	69.8	66.7	64.0	64.6	63.4	64.2	63.8	64.0	64.0	63.8
		23	67.5	68.0	68.6	68.4	67.9	67.6	66.0	65.0	64.2	64.0	64.1	64.0
		24	66.3	66.3	67.2	65.7	67.2	67.0	65.9	64.8	63.2	63.5	63.5	63.6
		25	66.1	67.6	66.9	65.8	65.7	65.7	65.5	64.6	64.1	64.0	63.8	63.7
		26	—	—	—	—	—	—	—	—	—	—	—	—
		27	69.8	69.4	68.2	69.5	69.8	69.3	68.4	67.0	66.2	65.8	65.5	65.5
		28	68.3	67.6	66.8	67.3	66.7	66.1	65.6	65.2	64.8	64.9	64.9	64.8
		29	66.1	67.1	66.8	67.2	67.1	66.6	65.4	65.4	66.0	65.8	65.7	65.7
		30	67.8	68.0	68.4	68.8	68.3	68.7	67.0	66.4	66.2	65.7	65.6	66.0
		31	67.3	68.3	68.8	68.6	69.3	67.9	67.2	66.6	66.4	65.9	65.8	65.1
		Hourly Means		67.75	68.24	68.36	68.59	68.28	67.81	66.74	65.81	65.21	65.03	64.88

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
62.9	63.2	63.6	63.3	62.4	61.6	61.8	62.2	62.6	63.9	64.5	64.9	63.32
63.6	64.0	63.8	63.3	63.1	62.7	62.8	62.7	62.8	63.4	64.2	65.3	64.04
63.7	63.5	62.6	62.9	63.2	63.2	63.4	62.6	62.6	63.6	63.9	63.6	63.91
—	—	—	—	—	—	—	—	—	—	—	—	62.62
59.2	63.1	63.5	62.7	62.4	63.3	61.4	62.2	62.8	63.8	65.2	65.0	63.00
61.0	62.8	63.2	61.4	59.9	61.2	61.7	60.0	62.5	63.7	62.8	65.0	64.71
64.5	63.9	64.1	64.1	64.3	64.1	64.4	64.2	64.6	64.7	65.7	65.6	65.37
65.2	65.0	64.9	65.0	65.0	64.8	64.8	64.8	65.2	65.4	66.1	65.6	63.89
64.2	61.6	63.6	62.2	63.4	61.9	63.2	62.1	60.8	62.8	63.8	63.8	63.67
63.8	63.6	63.4	63.3	63.2	63.2	60.8	59.8	62.4	63.6	64.6	65.5	64.89
—	—	—	—	—	—	—	—	—	—	—	—	63.98
64.6	64.7	64.3	63.7	64.3	64.0	63.6	64.3	64.6	64.2	64.4	65.2	63.63
63.6	63.2	62.8	63.1	63.4	62.4	63.6	63.6	63.6	63.1	64.6	64.1	62.32
63.0	63.2	63.4	63.1	63.0	63.0	62.5	62.8	62.8	62.7	63.4	64.0	62.97
61.4	60.8	60.8	61.2	60.6	60.9	60.8	61.8	62.4	62.8	64.0	64.2	62.92
62.0	62.4	62.5	62.9	62.4	62.1	61.6	62.1	62.4	62.7	62.7	63.6	63.06
61.9	61.8	61.9	62.0	61.8	62.2	62.4	62.4	62.5	63.0	63.4	64.0	64.18
—	—	—	—	—	—	—	—	—	—	—	—	63.36
62.6	63.7	62.3	62.4	63.5	63.8	63.7	63.6	63.6	63.4	63.8	62.5	62.46
64.1	63.7	63.9	64.1	63.8	63.4	64.2	64.4	63.8	64.0	63.9	63.4	62.46
63.4	62.0	61.8	62.5	62.2	62.1	61.2	62.0	62.8	63.4	64.4	64.6	62.47
62.0	61.2	61.1	61.4	61.0	60.8	60.6	60.8	61.5	61.2	62.1	62.8	62.93
61.8	62.0	62.4	62.0	62.2	61.6	61.0	61.4	61.8	61.8	63.2	64.4	64.34
61.1	61.0	61.5	61.6	61.0	61.6	61.2	61.1	61.7	62.6	63.4	62.9	63.68
—	—	—	—	—	—	—	—	—	—	—	—	65.48
61.6	62.5	62.9	62.5	62.5	62.4	62.6	63.3	64.0	64.7	65.6	66.1	64.95
63.8	63.6	63.6	63.6	63.4	63.8	64.0	63.5	64.0	63.6	64.2	64.8	64.34
63.4	62.9	62.5	62.1	62.2	62.6	62.2	62.4	62.5	62.6	63.7	65.3	65.8
65.3	65.2	65.6	65.1	65.0	65.5	65.1	65.0	65.2	65.6	65.8	67.0	64.95
63.9	63.7	63.9	64.2	64.2	64.0	64.2	64.3	63.7	64.4	64.8	63.4	64.34
63.3	63.4	63.5	63.5	63.8	63.7	63.4	62.9	63.7	63.6	64.9	64.2	63.66
62.99	63.03	63.09	62.93	62.86	62.81	62.67	62.68	63.07	63.49	64.19	64.47	63.66
64.8	65.0	65.0	64.6	64.0	62.8	63.2	63.2	63.7	65.1	66.8	68.4	66.33
64.7	64.9	64.6	63.9	64.1	64.0	63.7	63.5	63.7	64.4	65.1	66.6	65.79
64.2	64.0	63.2	63.4	63.6	64.0	64.2	63.6	63.2	64.2	64.8	64.7	65.11
—	—	—	—	—	—	—	—	—	—	—	—	65.29
63.7	64.7	64.9	64.5	64.4	64.6	64.0	64.2	65.2	66.3	66.2	66.2	66.30
64.8	65.4	64.8	64.6	64.2	64.5	64.6	64.8	63.8	65.4	66.9	67.6	66.79
65.6	64.6	64.7	64.7	64.9	64.6	64.9	64.6	65.0	65.1	66.0	66.0	66.26
65.8	65.6	65.4	65.3	65.4	65.2	65.1	65.0	65.4	65.8	66.4	66.2	64.91
64.9	63.9	64.5	64.1	64.4	63.7	63.7	63.3	63.9	63.3	64.3	66.2	65.28
64.8	64.6	64.2	64.2	64.2	64.2	63.8	63.5	64.3	65.7	66.6	67.8	66.22
—	—	—	—	—	—	—	—	—	—	—	—	66.09
64.9	65.3	65.0	64.7	64.9	64.7	64.6	64.8	65.1	65.2	65.8	67.3	65.84
64.9	64.6	64.2	64.2	64.4	64.0	64.6	64.4	64.7	65.3	66.9	68.6	65.65
64.6	64.7	64.8	64.5	64.4	64.2	64.1	64.3	64.8	65.9	66.4	66.3	66.28
64.2	63.8	63.8	63.7	63.4	63.6	63.2	63.8	64.8	66.5	67.8	69.8	66.70
64.7	64.7	64.6	64.7	64.0	63.9	63.7	63.8	64.3	65.0	65.8	68.1	65.34
64.6	64.6	64.4	64.5	64.2	64.2	64.2	64.2	65.2	66.6	67.8	67.8	65.73
—	—	—	—	—	—	—	—	—	—	—	—	64.72
65.3	64.7	64.3	64.0	64.8	64.8	64.7	64.5	64.1	63.9	64.3	63.1	65.02
65.0	61.8	64.7	64.9	64.3	64.0	64.6	64.8	64.3	64.4	64.2	65.1	64.36
64.8	64.1	63.9	63.9	64.1	64.0	63.7	64.2	64.8	66.0	67.4	68.1	64.89
63.9	63.6	63.6	63.4	63.2	62.9	62.9	63.1	63.7	64.4	65.8	66.4	66.28
64.0	64.0	63.5	63.1	63.2	63.2	62.8	62.6	63.1	64.2	65.0	66.4	66.33
63.2	63.2	63.3	62.5	62.0	62.6	62.8	62.6	63.6	64.4	66.2	64.0	64.36
—	—	—	—	—	—	—	—	—	—	—	—	64.89
63.8	63.5	63.7	63.7	63.7	63.6	63.6	64.1	64.8	65.4	66.9	67.2	66.70
65.0	64.7	64.7	64.6	64.6	64.4	64.5	64.0	64.4	64.6	65.0	65.8	65.34
64.6	64.4	64.1	63.9	63.9	63.9	63.8	63.9	63.0	64.3	65.4	66.8	65.73
65.6	65.5	65.8	65.4	65.4	65.7	65.4	65.3	65.5	65.8	66.4	68.1	64.72
65.4	65.2	65.2	65.1	65.0	64.9	64.8	64.9	64.8	65.3	65.8	66.0	65.02
64.7	64.7	64.8	64.8	65.0	65.0	64.8	64.8	65.2	66.2	67.0	67.6	64.36
64.69	64.55	64.43	64.26	64.21	64.12	64.07	64.07	64.39	65.14	66.04	66.75	65.76

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	APRIL.	1	65.0	65.1	65.4	64.9	64.2	64.2	63.8	63.0	62.8	62.4	62.4	62.2	
		2	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	61.4	61.6	63.2	62.5	62.2	63.9	63.0	62.3	61.4	61.2	62.0	62.0	62.0
		4	63.6	64.6	64.7	64.1	64.4	63.6	63.4	62.8	62.8	62.1	63.1	63.1	63.3
		5	65.7	65.4	66.0	65.6	64.5	64.6	64.0	64.2	63.8	64.0	64.0	64.0	63.7
		6	65.4	65.9	66.1	65.2	65.4	65.3	64.6	64.4	63.6	63.4	63.4	63.4	63.1
		7	63.8	63.5	64.4	64.0	65.0	64.0	62.4	60.7	61.6	61.9	60.5	60.5	60.8
		8	63.3	64.0	63.8	63.6	63.3	63.4	62.8	62.6	63.2	61.8	62.2	62.2	62.2
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	65.4	65.8	66.2	66.3	65.8	65.9	65.1	64.9	64.6	64.5	64.6	64.6	64.2
		11	65.1	65.4	64.8	65.6	64.8	64.9	64.2	62.8	62.6	63.3	62.6	62.6	62.9
		12	62.7	62.1	62.5	63.4	63.4	61.8	61.8	62.2	60.8	60.7	60.8	60.8	60.4
		13	64.6	65.4	65.6	65.4	65.9	64.8	64.5	64.0	64.2	64.1	64.4	63.5	63.5
		14	65.2	65.1	64.6	64.9	65.0	64.8	63.8	62.8	63.0	63.4	63.9	63.9	64.3
		15	65.3	65.6	65.5	65.3	65.4	65.1	64.4	63.4	63.2	62.8	63.4	61.8	61.8
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	64.5	64.8	64.7	64.4	64.6	64.0	63.3	62.6	61.8	61.9	61.8	61.8	61.4
		18	62.6	63.0	62.7	63.7	62.6	63.0	62.6	61.6	61.4	61.8	61.9	61.9	62.0
		19	61.9	62.4	62.7	63.3	63.2	62.2	60.8	60.2	61.2	61.3	61.6	61.6	61.0
		20	62.4	61.8	61.2	62.2	62.0	61.9	62.0	60.7	59.7	60.0	60.4	60.4	61.1
		21	61.1	61.6	63.4	63.0	60.8	61.6	60.8	60.9	60.5	61.3	60.6	60.6	60.1
		22	63.2	62.8	63.4	62.4	62.3	63.1	62.7	62.2	62.4	62.4	61.4	59.6	59.6
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	61.7	62.0	61.9	62.0	61.5	61.5	61.2	60.6	59.6	60.1	60.4	60.3	60.3
		25	60.6	60.2	60.6	60.1	61.2	61.1	59.4	61.4	60.5	60.4	60.2	59.3	59.3
		26	60.4	60.7	60.6	61.0	62.4	61.4	61.2	60.7	59.2	59.6	60.1	61.1	61.1
		27	62.4	64.1	63.9	64.1	63.6	63.5	63.4	62.4	63.0	62.3	62.0	61.7	61.7
		28	63.7	64.4	63.3	61.4	62.4	62.6	61.5	60.9	60.3	58.6	58.5	59.1	59.1
		29	62.7	63.7	62.3	63.3	63.6	61.8	61.8	62.0	61.4	61.5	60.0	60.8	60.8
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		Hourly Means		63.35	63.64	63.74	63.67	63.58	63.36	62.74	62.25	61.94	61.87	61.85	61.68
Dry Thermometer.	APRIL.	1	67.9	69.2	69.5	69.3	69.0	68.8	67.7	66.3	65.4	64.8	64.6	64.4	
		2	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	66.9	68.0	69.2	69.1	69.3	69.1	67.6	66.0	64.8	64.4	64.3	64.3	64.3
		4	67.4	68.9	68.4	67.8	67.2	66.8	66.2	65.6	65.3	65.0	65.3	65.3	65.3
		5	66.5	66.4	67.0	66.9	65.3	65.4	65.2	65.2	65.0	65.0	64.8	64.4	64.4
		6	65.6	66.4	66.6	65.7	66.0	66.0	65.1	65.1	64.7	64.1	64.5	64.3	64.3
		7	68.0	68.8	69.5	68.7	68.3	68.0	66.6	65.2	64.8	64.4	64.0	64.1	64.1
		8	69.2	68.5	68.8	69.5	68.9	68.1	67.0	66.0	65.8	65.4	65.1	65.1	65.1
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	68.3	68.8	69.0	68.4	67.8	67.8	66.7	66.1	65.7	65.5	65.6	65.3	65.3
		11	68.7	69.2	69.6	68.8	68.2	68.2	66.6	65.7	65.4	65.4	64.8	65.1	65.1
		12	67.4	67.4	68.3	68.4	68.2	67.2	66.0	65.2	64.2	63.6	63.6	63.5	63.5
		13	68.8	70.2	70.3	69.6	70.6	68.6	67.9	66.7	66.2	65.8	65.9	65.3	65.3
		14	67.8	68.4	68.7	68.7	69.0	68.4	67.0	65.6	65.2	65.2	65.4	65.5	65.5
		15	67.4	68.1	68.4	68.8	69.1	67.8	67.2	65.8	65.2	64.8	65.2	64.7	64.7
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	67.5	69.6	70.2	68.6	69.0	68.8	66.8	65.8	64.7	64.4	64.0	63.9	63.9
		18	67.1	67.1	67.4	68.6	67.1	67.1	66.3	65.0	64.6	64.8	64.6	64.8	64.8
		19	68.7	68.0	68.7	67.9	67.8	67.7	66.0	65.2	65.2	64.8	64.6	64.3	64.3
		20	66.1	67.2	67.9	69.0	67.6	66.7	65.4	64.2	63.7	63.6	63.8	63.8	63.8
		21	67.9	68.4	68.8	67.0	66.6	66.2	65.0	64.9	64.1	63.8	63.5	63.2	63.2
		22	66.0	67.5	67.2	69.0	68.4	66.6	65.0	64.3	64.2	64.1	64.0	63.8	63.8
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	67.4	68.3	68.6	67.5	66.9	66.0	65.0	64.4	63.8	63.8	63.6	63.9	63.9
		25	67.1	67.7	67.8	67.5	67.6	66.3	65.4	64.8	64.0	63.9	64.1	63.8	63.8
		26	67.1	67.7	67.6	67.5	65.5	66.0	65.2	64.0	64.2	64.4	64.4	64.6	64.6
		27	67.9	69.7	70.5	69.2	68.6	66.0	65.8	65.2	65.0	65.2	65.0	64.6	64.6
		28	68.1	66.1	67.6	66.0	66.8	66.8	65.6	64.0	63.6	63.7	63.7	64.1	64.1
		29	67.2	68.2	66.7	67.8	68.3	66.6	65.5	64.4	64.2	64.4	64.1	64.2	64.2
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		Hourly Means		67.52	68.15	68.49	68.21	67.88	67.24	66.15	65.23	64.76	64.57	64.50	64.41

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	—
61.8	60.1	59.8	59.1	59.2	60.3	59.6	60.2	58.2	59.5	62.0	59.1	61.85
62.1	62.0	62.0	61.3	62.4	61.7	61.7	61.4	61.8	62.2	63.2	64.0	
63.1	62.9	63.3	62.3	63.2	62.8	62.0	62.6	63.8	63.6	64.2	64.5	63.37
63.8	62.9	62.5	63.1	63.8	63.4	63.3	63.8	63.2	63.8	64.3	64.7	64.09
63.2	62.8	62.7	62.3	62.7	62.0	62.6	63.0	63.7	62.4	63.1	64.3	63.78
60.9	59.2	59.8	60.0	60.4	58.8	59.4	60.7	60.0	61.3	63.0	63.9	61.67
—	—	—	—	—	—	—	—	—	—	—	—	—
60.9	63.9	63.3	63.3	63.4	63.3	62.9	63.4	63.5	63.8	64.4	65.4	63.24
63.9	63.0	63.8	63.2	64.2	62.5	63.2	63.5	63.2	62.7	63.9	65.8	
63.5	63.4	62.8	61.9	61.8	61.4	61.3	60.8	61.2	61.8	61.6	61.4	62.99
59.9	59.6	60.0	59.2	60.0	60.6	60.7	60.4	61.8	62.3	63.7	65.1	61.49
64.1	64.0	64.2	63.8	63.4	63.8	63.6	63.6	61.9	63.7	64.4	64.9	64.24
64.2	64.1	64.0	63.6	63.7	63.6	63.3	63.4	63.8	64.0	64.3	64.5	64.05
—	—	—	—	—	—	—	—	—	—	—	—	—
61.4	61.3	60.7	60.7	61.4	60.8	59.2	61.0	60.0	63.2	63.8	64.6	62.89
61.9	61.5	61.4	60.4	60.4	60.3	60.4	60.4	60.8	61.5	61.7	62.4	
62.1	61.4	60.6	60.5	58.8	59.2	57.9	57.4	57.7	59.5	62.2	61.2	61.14
60.2	61.5	61.2	61.2	60.6	58.5	59.0	58.0	58.4	59.9	60.0	59.8	60.84
60.7	60.6	60.2	59.8	59.5	60.6	59.3	58.4	58.2	58.0	59.6	59.2	60.39
60.2	58.3	59.0	60.0	61.1	60.2	60.2	61.3	60.8	61.6	62.3	62.8	60.98
—	—	—	—	—	—	—	—	—	—	—	—	—
59.7	59.8	60.2	61.1	59.5	59.1	58.4	59.4	58.9	60.6	62.3	61.5	61.18
60.4	58.5	57.8	57.4	57.4	57.2	58.4	57.4	57.9	59.0	58.8	60.1	
58.8	58.2	58.3	58.5	57.3	57.6	58.2	58.7	59.1	58.4	58.9	59.9	59.45
58.3	59.7	58.6	60.8	60.1	61.8	60.4	59.6	59.6	59.6	60.8	63.1	60.45
62.5	62.0	62.1	60.9	59.6	58.2	57.8	59.7	60.2	61.0	61.4	61.7	61.81
60.5	59.2	58.8	60.3	59.6	61.6	61.2	60.6	60.4	61.0	62.5	62.6	61.04
—	—	—	—	—	—	—	—	—	—	—	—	—
59.8	60.9	60.9	60.8	60.6	61.2	61.2	60.0	59.8	58.4	59.6	59.8	61.16
61.52	61.23	61.12	61.02	60.96	60.82	60.61	60.75	60.72	61.31	62.24	62.65	
—	—	—	—	—	—	—	—	—	—	—	—	—
64.1	64.2	63.7	63.8	63.5	63.6	63.4	63.4	63.6	64.0	65.5	66.0	65.65
64.4	64.5	64.4	63.8	64.2	63.6	63.3	63.0	63.5	64.4	66.2	66.8	
64.8	64.8	65.1	64.5	64.7	64.7	63.4	63.9	64.5	65.6	64.9	65.4	65.65
64.7	64.3	64.1	64.3	64.4	64.0	64.2	64.4	64.3	64.5	64.8	65.4	65.02
64.3	64.1	64.1	63.8	63.9	63.9	64.0	64.3	64.3	64.3	65.3	67.1	64.89
64.0	63.5	63.2	63.5	63.8	63.4	63.5	63.5	64.2	65.2	67.0	68.2	65.56
—	—	—	—	—	—	—	—	—	—	—	—	—
64.5	64.8	64.5	64.7	64.2	64.4	64.1	64.4	64.6	65.3	66.1	67.5	66.11
65.0	64.7	64.9	64.6	65.1	64.5	64.8	64.7	64.8	65.2	66.4	67.1	
65.1	64.8	64.5	64.1	63.9	63.6	63.4	63.6	64.0	64.2	64.4	65.8	65.71
63.2	62.8	63.2	62.6	63.1	63.6	63.6	63.4	64.0	65.1	67.2	68.9	65.15
65.7	65.6	65.5	65.1	64.9	65.0	65.0	65.0	64.9	66.1	66.3	67.1	66.75
65.4	65.2	65.0	64.8	64.8	64.8	64.4	64.5	64.9	65.2	66.1	66.6	66.11
—	—	—	—	—	—	—	—	—	—	—	—	—
64.4	64.3	64.3	64.1	64.2	64.2	63.8	64.3	64.4	65.6	66.6	67.2	65.83
64.0	63.9	63.8	63.4	63.2	63.2	63.0	63.0	63.5	64.9	65.8	66.2	
64.6	64.3	63.7	63.7	63.6	63.6	63.3	63.1	63.2	64.5	66.6	67.7	65.27
64.3	64.2	64.0	64.0	63.8	63.6	63.7	63.6	64.0	64.8	63.8	64.5	65.30
63.6	63.4	63.2	63.1	62.9	63.0	62.7	62.8	63.2	63.8	65.6	66.7	64.71
63.2	62.9	63.1	63.4	62.4	62.2	62.7	63.2	62.0	63.4	65.2	66.5	64.57
—	—	—	—	—	—	—	—	—	—	—	—	—
63.9	62.9	63.0	63.6	63.5	63.6	63.4	63.6	63.9	64.6	66.3	66.6	64.96
63.9	63.6	63.4	63.2	63.1	63.0	63.2	62.8	63.4	63.8	64.6	66.3	
63.8	63.8	63.5	63.4	63.1	63.2	63.4	63.2	63.6	64.0	64.6	65.8	64.81
64.1	64.4	64.4	64.3	64.2	64.3	64.0	63.6	64.3	65.2	67.2	68.1	65.26
64.7	64.4	64.4	63.9	64.1	63.6	63.2	63.4	64.0	64.6	66.4	67.0	65.68
64.2	63.8	63.4	63.2	63.4	63.6	62.8	61.6	62.0	63.4	65.1	66.0	64.53
—	—	—	—	—	—	—	—	—	—	—	—	—
63.8	63.6	63.3	63.4	63.3	63.4	63.2	63.0	63.0	64.0	65.6	66.7	64.91
64.31	64.11	63.99	63.85	63.81	63.74	63.58	63.57	63.84	64.63	65.74	66.69	

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	MAY.	1	62.1	62.1	61.5	60.7	60.7	61.1	60.8	59.8	59.4	59.4	58.6	58.8
		2	61.1	61.5	62.3	61.4	59.3	60.3	59.0	59.0	59.8	61.2	61.8	56.8
		3	62.3	60.0	61.8	62.6	61.4	60.0	59.2	59.0	59.7	60.9	61.0	61.2
		4	64.0	63.6	62.9	63.6	62.8	62.1	61.8	60.8	61.0	61.2	60.4	60.8
		5	61.9	62.4	62.4	62.8	62.0	62.3	61.2	60.7	61.2	61.0	60.6	60.8
		6	61.3	61.7	62.4	61.6	60.9	60.3	59.9	59.5	60.1	59.4	59.6	59.6
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	61.1	61.9	61.8	61.2	60.4	59.7	59.5	59.3	59.1	58.8	59.1	59.6
		9	61.6	62.8	62.3	62.4	63.3	62.9	62.6	61.6	61.4	60.8	62.2	61.6
		10	62.5	62.8	62.6	62.0	61.9	60.8	60.6	60.6	60.6	60.9	58.5	60.6
		11	59.8	60.6	61.2	60.4	60.2	58.3	58.4	57.0	59.0	60.6	60.2	57.8
		12	61.3	60.9	61.0	61.3	61.4	61.0	60.4	60.4	59.4	59.0	59.4	57.8
		13	61.7	61.1	60.7	61.4	61.6	61.9	60.8	61.4	61.0	60.1	59.6	59.3
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	61.7	61.0	60.6	61.2	59.1	58.8	58.2	57.1	59.0	57.1	57.4	58.7
		16	61.8	61.5	61.8	61.4	61.2	61.2	60.5	60.4	60.2	60.6	60.2	60.2
		17	60.6	60.1	59.2	60.6	61.0	60.9	59.9	58.8	59.0	60.2	58.8	58.8
		18	59.2	59.8	59.5	59.0	58.4	60.1	59.2	58.2	59.4	58.4	59.1	58.9
		19	60.7	60.2	60.4	60.2	59.5	59.9	59.2	59.6	59.0	59.4	59.2	59.0
		20	60.2	61.0	60.4	60.9	60.4	60.4	59.3	59.1	59.3	59.1	58.7	58.6
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	59.2	61.0	59.8	59.7	59.5	59.0	58.3	57.5	58.4	58.3	59.1	58.2
		23	59.6	59.7	59.4	60.2	59.8	59.2	59.6	57.4	59.2	58.8	57.8	58.6
		24	58.2	58.7	60.6	60.0	58.6	59.4	57.2	58.0	59.7	57.7	57.3	56.4
		25	59.0	59.8	60.0	60.4	58.6	58.6	58.6	57.3	55.3	55.4	56.2	57.6
		26	59.4	60.4	60.2	60.2	59.6	59.2	59.0	58.4	58.6	58.9	57.6	55.4
		27	59.8	59.3	60.0	60.2	60.3	59.0	58.9	57.9	57.3	56.8	55.7	57.5
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	59.1	59.9	60.5	58.4	58.6	58.0	58.4	57.2	57.6	57.2	57.5	56.9
		30	58.6	59.2	59.8	60.7	60.0	59.3	59.1	58.1	56.4	57.7	57.2	57.7
		31	59.6	59.5	60.0	59.0	59.2	58.1	58.1	56.6	56.9	56.8	57.5	58.4
		Hourly Means		60.67	60.83	60.93	60.87	60.36	60.07	59.54	58.91	59.15	59.10	58.90
Dry Thermometer.	MAY.	1	67.6	67.1	68.6	68.4	68.0	67.0	65.5	63.8	63.8	63.8	63.5	63.7
		2	68.6	67.6	68.5	67.8	68.2	67.6	65.8	63.8	64.0	64.4	64.4	63.8
		3	67.1	68.0	68.9	67.9	67.6	66.0	65.1	63.6	64.0	64.5	63.8	63.9
		4	65.8	66.7	68.4	68.7	67.5	66.4	65.3	64.0	64.0	63.7	63.4	63.2
		5	66.0	66.0	65.0	66.4	66.0	64.8	63.4	62.8	63.0	63.0	62.8	62.8
		6	64.2	66.8	66.5	66.6	66.2	65.4	64.5	63.3	63.2	62.9	62.8	62.6
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	62.9	62.9	63.5	62.5	61.6	62.0	62.0	61.8	61.6	61.7	61.9	62.0
		9	62.6	64.5	63.3	65.0	65.0	64.2	63.8	63.2	62.9	62.8	63.0	62.6
		10	65.3	64.8	66.0	64.5	64.6	63.8	63.0	62.8	62.7	62.3	62.0	62.5
		11	64.4	63.1	66.2	66.4	64.8	64.2	64.0	62.9	63.2	63.0	63.0	62.6
		12	66.0	64.6	67.2	66.1	66.6	65.5	64.1	63.4	62.9	62.8	62.6	61.6
		13	63.3	63.8	66.3	65.6	66.3	64.7	63.6	62.4	62.2	62.4	62.8	62.2
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	66.9	67.1	65.6	66.6	65.3	65.0	63.5	62.4	62.3	62.5	62.6	61.4
		16	63.8	64.1	64.0	62.4	63.8	63.4	63.2	62.5	62.4	62.4	62.2	61.9
		17	62.2	62.6	61.8	61.8	63.1	62.3	61.4	60.4	60.8	60.8	60.3	60.4
		18	62.5	61.4	61.8	63.0	63.4	62.4	60.6	60.2	60.0	60.0	60.2	59.8
		19	61.1	60.6	60.8	61.0	60.2	60.4	60.2	60.1	60.0	60.1	60.0	59.9
		20	61.0	62.0	62.5	61.8	61.2	61.6	60.0	59.5	59.8	59.8	59.7	59.5
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	60.1	62.8	62.3	63.5	63.4	62.2	61.1	60.0	60.2	60.1	60.2	60.4
		23	63.2	62.8	62.4	62.5	62.2	61.6	61.0	60.4	60.5	60.4	60.2	60.1
		24	61.6	63.4	63.3	62.4	62.0	61.6	61.1	60.6	60.1	60.4	60.4	60.4
		25	63.6	63.4	63.7	62.4	63.2	62.4	61.8	60.6	60.6	60.6	60.9	60.8
		26	62.8	63.2	62.2	63.6	63.6	62.5	62.2	61.1	60.7	60.6	60.4	59.9
		27	62.3	60.7	62.6	63.5	64.1	62.6	60.6	59.6	59.0	59.0	58.0	58.4
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	59.8	60.8	61.4	60.9	61.2	61.0	60.5	59.6	59.8	58.9	58.8	58.6
		30	62.9	63.9	64.2	64.3	63.7	62.4	61.8	61.1	60.2	60.5	59.8	59.8
		31	63.6	64.7	65.2	64.7	64.1	63.2	62.1	60.5	60.6	60.1	60.1	60.8
		Hourly Means		63.75	64.05	64.53	64.46	64.33	63.56	62.64	61.72	61.65	61.61	61.47

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
58.3	59.1	57.8	58.4	57.7	58.0	57.6	58.0	57.6	58.2	58.3	60.6	59.38
57.6	59.6	58.8	58.0	60.4	60.6	60.4	59.4	60.0	61.2	60.1	62.4	60.08
61.3	62.0	61.6	61.6	60.9	61.2	61.8	61.6	62.5	62.6	63.8	63.1	61.38
60.6	59.8	60.3	60.1	60.5	60.0	56.7	58.0	59.0	61.4	60.8	62.0	61.01
60.0	60.7	60.2	61.2	61.3	61.0	61.5	60.7	61.0	61.8	62.0	62.0	61.36
—	—	—	—	—	—	—	—	—	—	—	—	—
59.1	57.4	59.9	58.5	59.5	59.4	59.7	60.0	59.8	60.2	59.0	60.2	59.96
59.6	59.6	59.7	58.4	59.5	58.5	59.6	58.1	59.0	60.4	61.1	60.8	59.83
61.2	61.5	61.5	61.2	61.0	61.6	61.0	61.2	61.3	62.0	62.2	62.6	61.83
59.6	57.1	57.4	59.4	56.6	57.1	59.0	56.2	56.3	58.8	60.6	59.4	59.66
57.6	56.8	56.6	59.4	59.4	57.4	58.2	58.0	59.2	57.4	59.5	60.3	58.89
57.0	58.6	59.3	60.5	59.6	59.4	58.6	59.1	57.9	58.8	60.8	62.2	59.79
—	—	—	—	—	—	—	—	—	—	—	—	—
58.2	57.6	56.9	58.8	57.6	58.2	58.4	56.4	54.7	56.5	57.8	60.6	59.26
60.1	60.2	61.2	58.8	60.7	60.5	60.0	58.8	58.6	59.3	60.1	61.3	59.56
59.3	60.2	59.4	58.1	59.8	58.5	58.8	57.3	59.6	58.5	60.5	60.1	60.05
59.0	58.4	58.7	58.9	58.8	58.8	57.6	58.8	56.6	57.8	58.1	58.4	59.08
57.5	58.2	58.6	58.9	59.1	58.2	58.6	57.4	59.0	59.2	60.3	59.6	58.91
57.8	58.7	58.7	58.8	58.7	58.6	58.6	58.7	58.6	58.4	60.0	60.7	59.28
—	—	—	—	—	—	—	—	—	—	—	—	—
59.2	59.0	58.6	58.0	57.6	58.0	56.9	57.2	57.2	57.3	59.5	59.9	58.99
58.5	58.8	58.7	59.0	58.0	58.2	58.4	58.0	58.1	56.8	58.1	58.4	58.63
56.0	57.9	56.9	56.0	54.4	54.5	56.4	57.4	57.4	58.6	58.4	59.0	58.01
58.0	58.5	56.0	57.0	57.3	56.8	57.6	58.2	57.7	57.4	57.4	57.4	57.96
54.9	56.0	55.0	55.2	56.8	56.4	55.8	58.2	58.2	58.8	59.5	59.1	57.53
54.9	55.3	58.2	57.9	57.3	55.6	55.6	56.8	55.4	55.7	58.2	58.0	57.74
—	—	—	—	—	—	—	—	—	—	—	—	—
56.8	57.7	57.4	57.5	56.6	57.2	56.8	56.0	56.4	58.1	58.4	58.8	57.93
56.9	55.4	54.6	54.0	54.6	54.5	55.2	55.4	55.7	56.4	56.9	57.8	56.95
58.2	57.2	57.2	57.3	56.7	56.5	57.0	56.6	57.7	58.0	59.0	59.0	58.09
58.4	58.4	58.5	59.0	58.5	59.1	59.0	58.6	58.9	59.6	59.2	59.7	58.61
58.36	58.51	58.43	58.51	58.48	58.29	58.33	58.15	58.27	58.86	59.61	60.13	59.25
63.3	63.3	63.0	63.1	62.8	62.9	62.7	62.7	63.1	64.2	65.5	67.5	64.79
64.0	63.8	63.8	63.5	63.1	63.0	62.0	62.2	63.4	64.2	65.1	64.6	64.89
63.9	63.9	63.8	63.7	63.4	63.0	63.4	63.2	63.7	64.4	66.4	66.0	64.97
63.0	62.3	62.5	62.5	62.6	62.6	61.6	62.6	62.6	63.6	64.9	66.2	64.34
62.4	62.3	62.0	62.2	62.1	62.0	62.2	61.5	62.5	62.8	63.6	64.3	63.41
—	—	—	—	—	—	—	—	—	—	—	—	—
62.4	60.1	61.2	59.5	60.5	60.6	60.4	60.4	60.4	60.8	60.3	61.2	62.62
62.0	62.1	62.0	61.5	61.7	61.4	61.4	60.6	61.2	62.5	63.4	63.6	62.08
62.4	62.6	62.5	62.3	62.1	62.0	61.9	62.0	62.0	63.0	63.6	64.6	63.08
61.9	62.0	62.1	62.0	61.4	61.6	62.0	61.6	61.8	63.4	62.1	61.6	62.83
62.6	62.2	62.0	62.4	62.1	61.8	61.6	62.2	62.2	62.8	63.1	65.2	63.25
61.5	61.5	62.4	61.9	61.7	61.7	61.5	61.8	61.7	63.0	64.2	65.8	63.42
—	—	—	—	—	—	—	—	—	—	—	—	—
61.7	61.6	61.1	61.7	61.4	61.7	61.4	61.4	60.7	62.4	64.5	65.2	62.93
62.2	62.0	62.0	60.3	61.9	61.8	61.9	61.8	61.8	62.6	62.8	64.1	63.18
61.4	61.3	61.0	59.4	60.6	60.6	60.4	59.2	60.7	61.2	61.7	62.8	61.93
60.0	58.9	60.3	60.2	59.8	59.2	59.2	59.2	59.4	60.4	61.0	61.6	60.71
59.2	59.0	59.5	59.8	59.7	59.4	59.7	59.2	60.0	60.4	61.0	60.2	60.52
59.0	59.3	59.2	59.2	59.2	59.3	59.2	59.2	59.4	59.1	60.7	61.8	59.96
—	—	—	—	—	—	—	—	—	—	—	—	—
59.8	59.7	59.5	59.3	59.0	59.3	58.7	58.5	58.8	59.0	60.1	60.4	60.02
59.3	59.5	59.2	59.5	59.0	59.2	59.1	59.3	59.5	58.8	60.6	61.7	60.46
59.8	60.1	59.7	59.6	59.4	59.5	59.2	59.7	60.0	60.4	60.7	61.4	60.70
60.6	60.6	60.4	59.7	58.4	58.9	59.2	59.7	59.8	60.6	61.8	62.4	60.81
60.6	60.6	60.5	60.5	60.1	58.6	58.6	59.8	59.6	60.5	60.6	61.1	61.05
59.6	59.3	60.0	59.5	59.6	59.4	59.4	59.0	59.2	60.2	61.8	61.5	60.89
—	—	—	—	—	—	—	—	—	—	—	—	—
58.4	58.8	58.7	58.5	57.9	58.4	58.0	58.4	58.2	59.2	59.2	59.7	59.74
58.7	58.6	57.8	57.4	57.7	57.8	58.2	58.2	58.7	59.8	60.7	61.7	59.44
60.2	60.2	60.2	60.2	59.2	58.9	59.2	59.0	59.7	60.5	61.9	62.7	61.10
60.8	60.6	60.5	60.8	60.6	60.8	60.6	60.8	60.4	60.7	60.3	61.7	61.60
61.14	60.97	60.99	60.75	60.63	60.57	60.47	60.49	60.76	61.50	62.28	62.99	62.03



WET AND DRY THERMOMETERS.													
Hours of Mean Göttingen Time. }	0	1	2	3	4	5	6	7	8	9	10	11	
	Hours of Mean St. Helena Time. }	23	0	1	2	3	4	5	6	7	8	9	10
Wet Thermometer. JUNE.	1	59.4	59.4	60.4	60.6	60.0	59.7	59.2	59.0	59.3	59.4	59.7	59.3
	2	60.9	62.1	60.9	62.3	61.7	61.4	60.5	59.7	59.7	60.5	59.2	59.6
	3	60.8	61.6	60.8	61.0	59.5	60.8	59.0	57.8	57.9	58.0	57.6	57.5
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	57.3	59.2	59.8	59.8	60.3	59.1	59.4	58.1	57.8	55.8	54.0	54.8
	6	61.3	61.8	60.8	61.2	60.3	59.4	59.6	59.1	58.6	57.4	57.6	57.0
	7	54.8	56.9	57.1	56.4	56.8	56.5	55.1	56.0	55.8	55.3	55.5	54.5
	8	55.6	56.5	56.2	56.9	56.8	57.6	57.4	56.7	57.6	55.6	56.3	56.0
	9	55.8	56.8	56.9	57.6	58.6	57.6	57.5	57.4	56.4	56.6	55.8	56.1
	10	57.8	57.2	58.6	57.8	57.7	57.3	56.8	56.0	57.1	57.2	57.0	56.4
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	58.2	58.0	58.0	57.4	57.3	57.2	56.4	56.1	55.7	56.8	56.6	57.1
	13	58.0	57.1	56.9	58.1	58.6	56.3	55.9	56.1	56.6	56.4	56.0	56.0
	14	55.3	56.1	57.3	58.0	56.6	55.2	55.9	56.6	55.5	54.4	54.1	55.0
	15	57.6	58.2	57.6	57.6	56.8	57.5	57.7	57.3	56.3	57.5	57.6	54.5
	16	58.4	58.6	58.2	57.8	58.0	57.8	57.1	56.6	57.0	57.8	56.4	54.3
	17	60.7	60.0	58.8	60.6	59.3	58.5	59.2	58.8	57.8	58.4	58.3	58.1
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	59.1	58.8	58.4	57.3	57.3	58.0	58.0	58.6	57.8	58.4	57.4	57.9
	20	58.2	57.9	58.5	59.2	58.8	58.4	58.0	57.2	57.4	57.3	56.8	56.2
	21	55.4	56.8	58.2	57.7	56.1	56.3	55.4	53.8	53.4	54.6	54.4	55.1
	22	56.9	57.0	57.7	57.6	57.3	56.5	56.0	55.7	56.2	55.7	55.6	55.3
	23	57.0	57.9	56.7	56.7	56.7	56.6	54.2	53.8	54.0	54.0	54.6	54.2
	24	55.6	55.6	56.4	57.3	56.5	56.1	56.2	54.4	54.6	54.0	53.6	53.6
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	55.2	55.4	— <sup>a</sup>	— <sup>a</sup>	54.8	54.4	54.1	53.2	53.2	53.0	53.0	53.8
	27	55.9	55.6	55.8	56.6	57.2	55.3	54.6	54.4	56.0	55.0	56.0	54.5
	28	58.6	58.4	58.8	59.2	58.9	58.0	57.2	57.0	57.8	55.4	57.2	56.5
	29	57.8	57.9	56.4	56.3	57.0	56.5	56.4	55.5	53.6	55.0	55.5	56.1
	30	58.3	58.5	59.2	58.2	57.2	56.8	55.7	55.9	56.0	55.2	55.0	55.0
	Hourly Means	57.69	58.05	58.18	58.37	57.93	57.49	57.02	56.57	56.50	56.33	56.18	55.94
Dry Thermometer. JUNE.	1	60.9	61.6	62.5	62.4	62.0	62.0	61.3	60.8	60.9	61.0	61.0	60.8
	2	63.5	64.9	64.2	65.1	64.6	63.7	62.8	61.6	61.5	61.8	61.4	61.4
	3	63.8	64.5	64.3	64.9	64.4	63.9	62.0	60.5	60.2	60.0	59.8	59.5
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	62.4	64.6	65.4	66.0	65.0	63.9	63.4	62.0	61.4	59.8	57.3	58.4
	6	64.6	64.2	63.7	64.8	64.2	63.2	63.1	62.1	61.6	61.2	61.4	60.6
	7	61.4	61.9	62.7	62.6	62.6	61.4	60.8	60.3	59.7	59.8	59.8	59.3
	8	61.0	61.2	60.5	60.9	60.6	59.4	58.9	58.8	58.6	58.0	58.1	57.9
	9	60.4	61.7	61.2	62.5	62.0	59.2	59.0	58.8	58.8	58.4	58.2	58.3
	10	60.8	61.2	62.0	61.6	61.6	60.8	58.9	59.5	59.6	59.0	59.0	58.5
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	59.1	59.0	59.2	59.6	59.1	59.2	58.6	57.7	56.7	57.4	57.3	58.0
	13	61.2	61.2	60.7	61.4	61.7	60.6	59.9	59.0	59.0	59.0	58.4	58.5
	14	60.8	62.0	61.0	62.1	61.4	60.8	60.2	59.4	58.8	58.7	58.7	58.8
	15	61.6	62.3	62.9	62.0	61.4	61.0	60.2	59.9	59.6	59.6	59.5	58.9
	16	62.4	62.1	61.2	62.0	62.1	61.8	60.6	59.8	59.8	59.8	59.6	59.2
	17	62.9	62.0	63.8	63.4	62.8	61.5	61.4	60.4	59.7	59.8	59.8	59.7
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	62.0	61.8	62.1	61.7	62.4	61.4	60.4	60.0	59.3	59.5	59.0	59.1
	20	60.2	60.9	60.4	61.2	60.2	59.9	59.3	58.8	58.4	58.6	58.4	58.2
	21	60.5	60.8	60.2	60.4	60.4	60.2	59.4	58.4	58.2	58.4	58.0	57.6
	22	58.4	59.0	60.3	60.6	58.9	58.8	58.0	57.3	57.4	57.1	56.9	56.5
	23	59.1	59.8	59.1	59.9	59.0	57.8	57.6	57.5	57.8	57.8	58.0	57.8
	24	60.8	61.6	61.6	61.5	61.4	60.8	59.6	58.8	58.6	58.3	57.9	58.0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	60.2	60.2	60.1 <sup>b</sup>	60.2 <sup>b</sup>	60.0	59.2	58.6	57.6	57.4	57.3	57.2	57.4
	27	61.0	61.1	61.2	60.9	61.1	60.6	59.7	59.1	59.4	59.0	59.2	58.7
	28	61.9	61.4	62.2	61.0	60.6	59.4	59.2	59.2	58.8	58.6	58.8	58.3
	29	61.2	62.3	61.9	61.7	59.4	60.5	59.0	58.6	58.6	59.0	59.1	59.1
	30	59.1	59.5	60.4	59.2	58.5	58.6	58.2	57.6	57.2	56.6	56.0	56.2
	Hourly Means	61.20	61.65	61.38	61.57	61.44	60.75	60.00	59.37	59.12	58.98	58.76	58.64

<sup>a</sup> Silk dry.<sup>b</sup> Omitted in the hourly means.

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
59.4	60.1	59.7	58.9	58.5	57.6	58.3	58.5	59.0	58.6	60.1	60.9	59.38
59.9	59.9	59.7	59.3	58.4	59.3	59.0	59.2	59.7	59.5	59.6	60.7	60.11
—	—	—	—	—	—	—	—	—	—	—	—	57.67
57.4	56.4	56.4	56.3	56.3	55.7	55.3	54.4	54.6	55.0	56.8	57.1	57.20
55.4	55.3	55.2	55.0	54.4	54.6	55.5	56.4	56.8	58.3	59.4	61.1	57.26
56.0	56.4	55.4	53.4	54.0	55.9	55.0	53.0	55.3	54.8	54.6	56.0	55.05
54.0	54.5	54.2	54.5	54.1	54.0	54.1	53.8	53.8	54.2	54.7	54.7	56.32
55.9	55.8	55.4	56.2	55.9	55.6	55.8	56.0	55.8	56.3	57.6	56.1	56.69
57.0	56.8	55.2	56.1	55.6	56.0	55.7	56.2	56.2	56.9	58.0	57.8	56.39
—	—	—	—	—	—	—	—	—	—	—	—	56.29
56.3	54.8	55.3	53.6	53.4	55.7	55.6	55.5	55.7	56.4	57.1	57.1	56.42
56.8	56.8	56.9	55.2	54.6	55.6	55.2	56.1	55.6	53.6	54.7	55.0	55.42
56.0	57.0	57.1	56.4	55.3	55.6	55.6	55.0	56.2	56.6	55.8	55.5	56.15
54.5	54.4	53.7	55.2	56.0	56.2	54.5	54.8	53.8	56.6	54.9	55.4	57.52
55.5	57.1	55.3	54.6	53.8	53.9	54.8	54.2	54.8	56.0	54.8	56.6	57.22
56.2	57.0	57.4	58.3	57.2	57.2	57.4	58.4	57.4	57.6	59.2	59.1	57.23
—	—	—	—	—	—	—	—	—	—	—	—	56.73
58.4	54.7	55.6	56.1	53.2	54.0	55.4	53.6	55.6	56.0	55.1	57.1	55.31
56.6	56.7	56.8	56.9	56.0	56.6	56.4	53.6	54.8	57.4	57.8	57.0	55.95
56.6	57.0	55.4	55.4	56.4	56.0	54.3	53.8	56.4	55.6	55.0	55.6	55.07
55.1	55.6	55.0	53.2	53.6	55.4	53.6	54.8	54.9	56.2	56.8	56.0	54.39
55.9	54.6	55.6	55.5	55.3	54.6	55.2	54.9	55.8	55.7	55.6	56.7	53.80
54.4	56.3	54.3	54.5	53.4	54.0	53.8	54.6	55.1	54.2	55.4	55.3	55.42
—	—	—	—	—	—	—	—	—	—	—	—	56.21
55.1	— <sup>a</sup>	53.2	53.1	53.1	53.0	53.0	52.6	52.8	53.1	53.8	54.2	56.48
53.0	53.4	52.6	52.9	53.5	53.0	53.1	53.2	53.5	54.1	55.2	56.0	55.73
54.4	54.4	54.4	53.8	54.2	54.4	54.8	54.8	55.1	56.5	57.8	58.6	55.31
57.5	54.2	53.7	56.4	54.2	52.8	55.0	52.6	55.0	53.4	56.2	55.1	55.07
56.7	57.9	57.9	58.3	57.8	58.4	56.9	54.4	54.2	54.3	57.2	57.8	54.39
55.2	55.0	54.2	54.6	54.6	53.8	53.8	54.0	53.6	54.9	56.4	56.4	53.80
56.12	56.08	55.60	55.53	55.11	55.34	55.27	54.94	55.44	55.84	56.52	56.88	55.42
60.7	61.1	60.9	60.6	60.7	60.6	60.8	60.8	61.0	61.6	62.8	63.6	56.45
61.4	61.4	61.2	61.1	61.0	60.8	60.6	60.7	60.9	61.2	62.1	63.3	61.35
—	—	—	—	—	—	—	—	—	—	—	—	62.18
59.3	58.8	58.6	58.3	58.3	57.7	57.1	56.2	56.8	57.6	60.6	61.5	60.36
58.8	58.6	58.4	58.2	57.8	58.6	58.9	60.0	61.5	62.1	62.1	64.1	61.19
60.4	60.2	59.8	59.2	59.6	60.0	59.6	59.4	59.8	60.6	61.0	61.7	61.50
59.4	59.4	59.2	59.0	58.7	58.6	58.6	58.3	58.3	59.0	59.6	59.8	60.01
57.9	57.8	58.0	57.2	57.5	57.0	57.3	57.3	57.2	58.0	58.9	59.6	58.65
58.2	58.6	57.5	57.5	57.0	56.8	57.0	57.4	57.0	57.8	59.5	60.0	58.87
—	—	—	—	—	—	—	—	—	—	—	—	58.96
58.7	57.8	57.9	57.7	57.5	57.2	56.6	56.8	56.8	57.4	58.6	59.6	58.00
57.2	57.2	57.6	57.0	57.1	57.4	57.2	57.4	57.2	57.4	58.4	60.1	58.95
57.8	57.6	58.0	57.4	57.0	57.3	57.2	57.2	57.8	58.4	58.9	59.5	59.75
58.4	59.0	58.8	59.2	58.8	59.0	58.8	59.0	58.8	59.8	60.3	61.4	59.90
59.4	59.5	59.0	59.0	58.8	58.5	58.8	58.6	58.9	59.2	59.6	59.4	59.98
59.4	59.4	59.4	59.6	58.6	58.0	58.1	59.0	58.4	59.0	60.2	59.9	60.53
—	—	—	—	—	—	—	—	—	—	—	—	59.44
59.7	58.7	59.2	59.3	58.8	59.0	59.2	59.0	59.4	60.0	61.1	62.1	58.88
58.3	58.7	58.8	57.9	57.6	58.0	57.6	57.2	58.0	58.6	58.7	58.5	58.53
58.2	58.2	58.2	58.4	58.4	57.4	57.5	57.8	58.2	58.6	58.8	59.0	57.37
57.5	57.7	57.2	57.4	57.4	57.4	57.2	57.6	57.4	57.7	58.4	59.2	58.10
56.6	56.4	56.2	56.1	56.0	56.0	56.0	56.2	56.3	56.3	57.1	58.4	58.33
57.8	58.0	57.5	57.5	57.2	57.3	57.2	57.4	57.1	57.6	58.6	60.1	57.50
—	—	—	—	—	—	—	—	—	—	—	—	59.54
58.3	57.2 <sup>b</sup>	57.1	56.9	57.0	56.8	56.7	56.5	56.8	57.4	58.2	59.2	59.27
57.1	57.2	57.2	57.2	57.5	57.3	57.5	57.6	57.5	58.4	59.7	60.8	59.21
58.6	58.7	58.6	58.6	58.6	58.8	58.8	58.4	58.8	59.4	59.8	60.8	57.01
58.9	58.2	58.5	58.8	57.8	57.5	58.1	57.6	58.2	58.4	60.0	61.1	59.36
58.8	58.8	58.6	58.7	58.4	58.8	58.0	57.4	57.4	57.7	58.9	59.1	59.21
56.0	56.0	55.8	55.6	55.4	55.4	55.3	55.4	54.8	56.3	57.4	57.8	59.36
58.57	58.23	58.35	58.21	58.02	57.97	57.91	57.93	58.09	58.67	59.59	60.37	59.36

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time. }		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	JULY.	1	57°1	58°0	58°0	57°9	57°6	57°2	57°9	56°0	56°0	56°2	56°0	55°1	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	56°6	57°1	57°7	58°3	57°4	57°0	56°8	56°0	54°3	54°0	54°2	54°2	53°8
		4	57°6	57°3	57°2	57°4	56°8	56°4	56°5	55°7	55°6	55°4	55°4	55°1	54°9
		5	54°9	54°5	54°9	55°5	54°5	54°0	53°1	53°4	54°0	53°8	54°7	54°7	52°6
		6	56°3	57°0	56°1	56°9	57°1	56°9	55°9	55°8	56°1	56°4	54°7	55°9	53°6
		7	56°4	57°3	57°0	57°1	57°1	57°0	56°4	56°6	56°3	55°4	55°9	55°9	55°9
		8	57°6	58°2	58°2	58°4	57°8	57°7	57°4	57°1	57°0	57°0	56°8	56°8	56°8
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	57°1	56°9	58°0	57°8	57°0	56°2	56°7	56°8	56°3	56°4	56°8	56°8	56°8
		11	57°2	58°6	58°0	57°3	57°7	57°8	57°4	56°4	56°5	56°1	56°4	56°4	56°4
		12	57°4	58°2	57°8	58°1	56°6	56°9	55°6	55°8	55°9	54°8	55°0	55°0	54°8
		13	57°2	58°0	58°6	58°0	58°4	57°6	57°0	56°4	56°0	56°0	55°9	55°7	55°7
		14	58°8	58°5	58°2	57°5	57°8	57°7	57°5	57°5	56°9	57°4	57°2	57°2	57°4
		15	59°0	59°1	59°4	59°1	58°6	58°0	57°8	57°4	57°3	55°6	57°2	55°1	55°1
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	55°4	56°3	57°0	56°5	55°6	55°6	55°6	54°8	55°1	54°4	55°0	54°5	54°5
		18	57°2	57°6	58°7	58°4	58°4	57°8	57°4	56°0	55°9	56°0	55°5	55°6	55°6
		19	57°0	57°8	58°0	58°8	57°2	56°6	55°7	55°3	54°6	55°1	55°0	54°5	54°5
		20	57°6	58°7	58°2	57°7	57°4	57°0	56°2	55°6	55°7	55°2	55°2	54°5	54°5
		21	53°4	53°0	53°4	54°2	52°4	52°0	52°6	52°5	52°1	51°4	50°4	51°1	51°1
		22	53°0	53°3	54°3	54°8	55°1	54°7	54°9	54°5	54°2	55°0	55°2	55°2	55°2
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	55°1	54°4	55°4	54°8	57°4	55°7	55°6	55°2	52°3	53°0	54°6	52°7	52°7
		25	56°0	55°1	56°4	56°4	56°7	56°8	56°2	54°9	55°4	53°8	54°4	55°6	55°6
		26	57°1	56°5	56°8	55°9	54°9	55°2	55°4	55°2	54°4	53°7	53°0	53°7	53°7
		27	55°5	56°6	56°6	56°2	56°3	55°6	54°8	54°8	55°2	55°4	56°4	54°8	54°8
		28	56°0	57°0	57°4	57°0	56°4	57°1	55°8	55°7	55°1	55°6	54°6	56°0	56°0
		29	56°8	57°4	57°9	57°4	57°4	56°6	55°8	55°2	54°8	54°6	55°1	54°4	54°4
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		31	56°1	56°8	55°8	56°6	57°2	56°8	56°0	55°3	55°3	55°7	54°2	53°8	53°8
Hourly Means		56°52	56°89	57°12	57°08	56°80	56°46	56°08	55°61	55°32	55°13	55°17	54°82		
Dry Thermometer.	JULY.	1	58°9	59°0	59°4	60°3	59°6	59°0	58°2	57°2	56°8	57°0	57°0	56°4	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	58°1	58°3	59°8	59°6	59°6	58°2	58°4	57°2	56°2	55°6	55°6	55°6	
		4	58°6	59°0	59°4	59°5	59°4	60°0	59°2	58°5	58°0	57°8	57°8	57°5	
		5	58°9	59°4	59°8	59°3	58°7	58°2	57°7	57°6	57°6	57°6	57°4	57°4	
		6	58°6	58°0	58°9	59°2	58°8	58°5	57°8	57°5	57°5	57°5	56°9	57°1	
		7	58°8	60°0	59°7	59°6	59°8	59°2	58°0	57°8	57°4	57°1	57°0	56°6	
		8	59°1	59°2	59°9	59°2	58°9	58°5	58°0	57°6	57°4	57°4	57°4	57°3	
		9	—	—	—	—	—	—	—	—	—	—	—	—	
		10	60°4	61°3	60°6	60°6	60°5	60°0	59°4	58°9	58°2	58°3	58°1	58°1	
		11	60°0	61°4	61°1	61°0	60°8	60°4	59°6	58°4	58°5	57°8	57°6	57°9	
		12	60°4	61°8	62°2	62°6	61°2	60°6	59°0	58°6	58°2	57°4	57°2	57°2	
		13	60°4	61°5	62°1	62°0	62°0	61°0	60°2	59°0	58°6	58°2	57°9	57°7	
		14	60°9	61°2	61°0	61°2	62°0	61°4	60°7	59°8	59°2	59°2	59°0	59°0	
		15	62°3	62°1	63°3	62°1	60°8	60°0	59°6	58°9	58°7	58°1	58°8	58°2	
		16	—	—	—	—	—	—	—	—	—	—	—	—	
		17	60°2	60°5	61°0	60°5	59°9	59°2	58°6	58°0	58°0	57°5	57°4	57°2	
		18	61°4	61°6	62°4	62°0	61°6	60°6	59°8	58°4	57°9	57°9	57°4	57°7	
		19	60°4	61°4	61°8	61°6	60°8	60°2	59°2	58°1	57°4	57°5	57°3	56°8	
		20	58°4	59°4	59°4	58°7	58°2	57°8	57°4	57°0	57°2	56°9	56°8	56°6	
		21	58°0	57°8	59°0	58°9	58°1	57°4	56°0	55°4	54°9	55°0	55°1	54°8	
		22	57°2	58°5	59°0	59°4	59°7	57°8	56°6	55°9	55°2	55°9	56°1	56°0	
		23	—	—	—	—	—	—	—	—	—	—	—	—	
		24	58°8	61°1	61°8	62°0	61°0	59°0	58°4	58°1	57°6	57°9	57°9	57°6	
		25	59°1	57°0	60°2	61°0	60°2	58°6	58°0	57°6	57°4	58°4	57°7	57°8	
		26	59°7	58°9	60°9	60°4	60°4	59°7	58°8	58°1	57°7	57°5	57°3	57°4	
		27	61°0	61°4	61°4	61°7	61°5	60°7	59°6	58°0	58°3	58°2	58°0	57°6	
		28	60°4	61°5	61°6	61°0	61°0	60°2	59°5	58°5	57°9	58°1	58°4	58°0	
		29	61°2	61°8	61°9	61°0	61°2	59°8	59°0	58°2	57°8	57°4	57°6	57°0	
		30	—	—	—	—	—	—	—	—	—	—	—	—	
		31	60°2	61°0	61°5	62°0	62°1	60°6	59°4	58°4	58°0	57°9	56°6	56°0	
Hourly Means		59°67	60°14	60°73	60°63	60°30	59°48	58°69	57°95	57°60	57°50	57°36	57°17		

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	—
54.8	55.3	53.1	52.8	52.3	53.1	53.6	54.1	53.8	55.1	56.4	57.3	55.61
53.6	53.6	54.6	54.5	54.6	54.4	54.6	54.8	54.9	56.6	57.4	57.0	55.58
54.2	54.9	53.1	51.4	52.6	52.4	52.7	52.2	51.1	55.6	54.0	55.2	54.80
51.9	52.4	52.5	52.4	53.6	52.2	53.4	54.0	54.2	54.4	55.5	55.6	53.83
55.7	55.1	56.5	56.4	56.4	55.6	55.4	55.8	56.1	56.2	56.9	56.6	56.06
55.6	55.4	56.0	55.4	55.5	55.6	55.8	53.8	54.6	55.3	54.8	55.8	55.92
—	—	—	—	—	—	—	—	—	—	—	—	—
56.8	54.1	54.2	54.8	54.2	55.2	55.2	54.5	54.4	54.9	55.8	55.8	56.25
56.0	56.6	56.5	56.0	56.0	56.0	55.3	56.2	55.5	55.9	56.3	56.5	56.48
56.1	54.7	54.5	54.0	54.8	55.3	55.6	53.8	55.0	54.6	55.6	55.9	56.07
55.0	54.4	54.6	55.6	54.8	55.0	53.8	53.6	54.2	55.8	57.0	57.0	55.74
55.8	55.7	55.7	56.0	55.8	56.2	55.0	55.6	56.5	56.9	57.4	58.0	56.64
57.4	57.8	57.5	57.2	57.1	57.2	57.3	56.7	56.8	57.2	57.6	58.0	57.51
—	—	—	—	—	—	—	—	—	—	—	—	—
54.4	55.0	54.7	54.0	54.8	53.8	54.0	53.0	53.6	54.2	54.2	55.1	56.02
53.0	53.6	54.1	55.0	54.4	55.6	54.8	54.6	55.6	55.8	57.4	57.4	55.29
54.9	54.9	55.2	54.6	55.6	55.0	55.1	55.3	55.1	55.1	56.2	56.7	56.18
54.8	55.1	55.2	55.3	55.2	56.0	55.6	55.8	56.4	57.7	57.7	58.0	56.18
54.3	52.9	52.1	52.0	52.3	51.8	51.2	50.9	51.7	51.6	52.1	52.0	54.33
51.6	52.6	52.4	51.2	52.3	52.5	52.2	52.4	50.6	51.2	51.9	52.2	52.15
—	—	—	—	—	—	—	—	—	—	—	—	—
55.2	52.0	50.9	52.7	52.8	51.4	52.4	55.1	55.0	53.4	54.6	56.1	53.99
54.6	54.7	55.6	54.9	55.0	55.6	55.8	54.4	54.8	55.4	56.2	56.9	55.00
55.2	55.6	55.4	54.3	53.8	54.2	54.6	55.0	55.6	55.6	56.0	55.4	55.35
52.9	52.6	52.6	53.3	53.8	53.6	53.8	53.0	53.8	55.1	54.9	56.1	54.47
54.1	54.9	54.2	54.2	54.7	54.8	54.2	53.8	54.2	55.0	55.7	56.8	55.20
55.4	55.4	55.4	55.4	55.1	54.5	55.5	55.0	55.5	55.9	57.3	56.9	55.88
—	—	—	—	—	—	—	—	—	—	—	—	—
55.1	53.5	53.9	53.9	54.6	54.1	54.0	54.4	54.2	54.1	54.2	55.0	55.18
54.4	52.1	53.8	52.1	53.2	52.4	51.8	51.2	53.4	55.1	55.4	55.0	54.56
54.72	54.42	54.39	54.21	54.43	54.37	54.33	54.19	54.48	55.14	55.71	56.09	55.39
—	—	—	—	—	—	—	—	—	—	—	—	—
56.1	56.5	54.8	54.1	53.6	54.4	54.8	55.7	55.4	56.6	58.4	59.6	57.03
55.5	55.8	56.4	56.0	56.3	56.4	56.9	57.6	57.3	58.2	58.4	58.4	57.31
57.0	57.1	56.9	56.2	56.6	56.5	56.2	56.2	56.3	57.7	57.8	59.0	57.84
57.1	57.0	56.7	56.4	55.7	55.6	55.0	55.2	55.0	55.8	55.9	57.6	57.19
56.5	56.4	57.0	56.9	56.8	56.4	56.2	56.2	56.7	57.0	57.4	58.0	57.41
56.2	56.4	56.6	56.0	56.0	56.4	56.3	55.2	55.5	56.2	56.8	58.4	57.38
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	56.1	56.4	56.7	56.6	57.0	57.1	56.9	56.8	57.5	58.8	59.4	57.76
57.5	58.0	57.9	57.5	57.6	57.5	57.0	57.5	57.2	57.6	58.8	59.6	58.67
57.7	56.9	57.0	56.4	56.8	57.3	57.4	57.7	57.1	57.8	58.8	60.2	58.57
57.2	57.0	57.0	57.4	57.1	57.2	56.4	56.0	56.6	57.8	59.5	59.8	58.56
57.7	57.6	57.6	57.6	57.7	57.8	57.0	57.0	57.9	58.4	59.2	60.5	59.03
59.0	59.0	58.9	58.8	58.6	58.7	58.5	58.2	58.2	58.6	59.2	60.2	59.60
—	—	—	—	—	—	—	—	—	—	—	—	—
57.8	57.3	57.2	57.0	57.4	57.2	57.2	57.0	57.2	57.6	58.3	59.2	58.89
56.0	56.3	56.4	56.9	56.4	56.5	56.4	56.8	57.4	58.0	59.4	60.4	58.12
56.9	56.6	57.0	56.6	57.2	56.9	56.9	56.9	57.0	57.6	58.7	59.1	58.59
56.8	56.8	56.9	57.1	57.0	57.4	57.2	57.3	57.8	58.4	58.6	58.7	58.44
56.4	56.2	55.9	55.9	55.8	55.2	55.3	55.2	55.3	55.5	55.6	56.8	56.79
54.6	54.0	54.3	54.1	54.2	53.6	53.8	53.8	53.6	54.2	55.1	56.1	55.49
—	—	—	—	—	—	—	—	—	—	—	—	—
56.0	57.3	56.8	57.1	57.1	57.1	57.2	57.1	57.0	57.7	59.2	57.8	57.28
58.1	57.8	57.6	56.7	56.8	57.2	57.2	57.0	57.5	58.1	58.9	59.4	58.48
55.9	56.4	56.3	55.9	56.2	56.3	56.6	56.8	56.7	56.4	57.8	57.5	57.58
57.1	57.0	56.9	57.0	56.8	57.0	57.1	57.0	57.0	57.9	58.7	60.2	58.19
57.2	57.5	57.2	57.1	57.2	57.2	57.0	56.8	57.0	57.6	58.8	60.0	58.67
57.9	57.9	57.8	57.9	57.6	57.2	57.6	57.3	57.7	58.2	59.6	60.1	58.87
—	—	—	—	—	—	—	—	—	—	—	—	—
57.1	55.8	55.8	56.0	56.0	56.4	56.3	56.6	56.6	57.6	58.0	59.8	58.16
56.4	54.5	55.6	54.2	55.2	54.6	53.9	53.2	55.0	56.5	57.9	59.5	57.51
56.87	56.74	56.73	56.52	56.55	56.58	56.48	56.47	56.65	57.33	58.22	59.05	57.97

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	AUGUST.	1	54.9	55.8	58.3	58.3	55.0	56.0	55.3	55.0	54.8	54.6	54.2	54.0
		2	56.4	56.2	55.7	56.3	55.6	55.4	55.6	54.9	54.8	54.5	55.2	55.6
		3	57.8	57.9	57.0	57.6	57.6	57.8	56.9	56.1	56.2	56.4	56.3	56.1
		4	58.0	58.2	58.0	58.1	57.5	57.4	56.8	57.1	57.2	56.6	57.2	57.1
		5	57.6	57.6	57.1	57.5	58.0	57.1	54.3	56.0	55.5	55.4	55.4	55.6
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	56.5	55.5	55.9	55.2	56.0	55.4	55.2	54.4	54.6	55.0	54.8	54.8
		8	55.7	57.2	55.4	55.9	55.2	54.6	54.6	53.6	54.2	53.0	54.0	54.4
		9	54.5	55.6	55.8	55.0	55.4	54.8	53.9	53.2	53.2	54.1	53.6	54.2
		10	55.4	56.6	57.2	56.4	54.8	55.1	54.6	53.7	53.8	54.4	53.9	53.4
		11	56.6	57.4	56.6	56.2	56.4	56.4	55.4	54.9	54.3	54.1	52.8	54.2
		12	54.5	53.2	54.0	54.5	54.3	53.9	54.1	53.2	52.3	51.9	53.4	52.0
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	53.5	54.4	54.5	54.4	52.9	54.6	53.4	52.9	55.3	52.0	50.8	50.5
		15	51.9	55.5	54.6	54.0	54.4	54.4	53.7	54.1	54.1	53.2	51.0	51.2
		16	55.4	55.6	54.9	54.5	54.8	53.6	55.2	54.0	54.4	54.7	54.0	54.4
		17	56.2	56.4	57.3	56.4	56.1	55.7	55.2	54.8	54.4	54.4	54.6	54.8
		18	55.8	55.6	55.8	55.6	55.6	55.5	54.5	53.7	53.5	53.6	52.6	53.6
		19	54.4	54.6	54.2	55.4	53.8	54.3	53.8	52.9	52.6	52.0	51.4	52.2
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	55.4	56.7	57.3	56.4	56.4	55.8	55.8	54.6	53.8	54.4	53.6	54.6
		22	56.7	57.6	58.3	57.8	58.0	58.0	57.8	56.0	55.3	55.4	55.0	54.8
		23	55.8	55.2	56.8	57.3	57.0	56.5	55.3	55.3	55.0	54.6	54.0	53.9
		24	57.4	57.2	57.5	57.0	57.5	56.8	56.2	55.4	54.8	55.2	55.0	55.0
		25	56.4	56.8	57.6	56.4	57.6	56.7	56.3	54.1	54.2	53.4	53.4	54.2
		26	53.9	54.2	58.0	57.8	57.3	56.6	56.6	55.9	55.6	55.5	54.4	55.4
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	56.4	56.2	56.2	55.4	55.8	55.0	54.8	54.8	54.0	54.7	54.0	54.8
		29	56.5	56.4	58.0	56.4	56.4	55.0	55.6	54.2	54.4	54.2	53.3	53.8
		30	57.1	56.4	57.2	57.6	56.9	55.4	54.9	54.4	54.5	53.8	53.6	53.3
		31	55.9	56.0	56.4	57.1	56.3	56.7	55.7	55.2	55.0	54.8	53.9	53.5
Hourly Means		55.80	56.15	56.50	56.31	56.02	55.72	55.24	54.61	54.51	54.29	53.90	54.13	
Dry Thermometer.	AUGUST.	1	58.9	62.1	62.2	62.2	61.2	61.0	59.1	58.1	57.4	57.2	56.6	56.0
		2	60.2	61.4	61.8	62.0	61.7	61.1	59.9	58.0	57.5	56.8	57.5	57.6
		3	60.8	61.2	60.9	62.4	61.4	61.2	59.9	58.4	58.2	58.2	58.1	57.7
		4	61.8	61.9	62.6	62.2	61.4	60.5	60.0	59.1	58.7	58.4	58.6	58.6
		5	62.9	63.0	62.3	61.5	62.5	62.3	59.8	59.0	58.7	58.2	58.0	58.0
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	58.4	60.7	62.5	62.0	62.0	60.8	59.1	57.4	57.4	56.8	57.0	56.8
		8	56.8	59.2	59.0	60.2	59.6	58.9	58.0	56.6	56.4	55.6	56.0	56.1
		9	57.8	59.3	60.4	60.7	60.1	59.2	57.8	56.5	56.1	56.6	56.6	56.7
		10	60.0	60.8	61.2	59.6	61.0	59.3	58.0	57.2	57.1	56.6	56.2	56.4
		11	58.4	60.0	59.1	60.4	59.9	58.8	57.1	56.8	55.9	55.9	55.6	56.2
		12	57.1	56.8	58.4	60.3	59.8	57.0	56.8	55.4	55.4	54.1	55.0	54.1
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	57.8	58.0	58.7	58.6	58.9	58.2	55.7	55.9	55.6	55.8	55.2	54.8
		15	57.8	59.3	59.4	59.8	59.7	58.4	57.3	56.0	56.0	55.8	55.8	55.8
		16	58.0	57.1	55.8	57.0	57.9	57.4	56.7	55.1	55.1	55.3	54.8	55.0
		17	57.2	57.8	58.5	58.3	57.9	57.0	56.1	55.6	55.1	55.3	55.1	55.4
		18	57.6	57.8	58.0	58.0	58.2	58.0	57.1	56.2	55.6	55.8	55.4	55.6
		19	60.2	60.2	60.8	61.2	60.4	60.1	58.8	57.6	57.1	55.7	55.6	55.8
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	60.6	62.6	62.8	62.5	62.4	61.2	60.4	58.6	57.8	57.8	57.2	57.4
		22	61.2	63.1	64.4	64.3	64.0	63.0	61.7	59.2	57.7	57.6	57.2	56.8
		23	61.6	62.4	63.1	62.9	62.0	61.2	59.4	58.6	57.9	57.5	56.8	56.6
		24	61.5	61.2	61.9	62.3	62.4	61.0	59.8	58.0	57.2	57.2	56.9	56.9
		25	61.2	63.1	62.5	62.0	60.5	60.1	59.0	57.3	56.9	56.2	56.0	56.7
		26	62.2	63.1	62.7	62.8	60.8	60.8	59.0	58.0	57.3	56.5	55.7	56.5
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	58.0	58.0	58.0	58.1	57.1	56.7	56.2	55.8	55.4	55.6	55.4	55.8
		29	57.4	58.1	60.0	59.4	59.4	58.8	58.2	56.5	56.2	56.0	56.0	55.2
		30	58.5	59.2	58.8	58.7	58.3	56.8	56.4	56.1	56.0	55.4	55.4	55.4
		31	57.0	58.0	58.6	58.4	58.0	57.7	57.0	56.2	56.1	55.8	55.3	55.2
Hourly Means		59.33	60.20	60.53	60.66	60.31	59.50	58.31	57.16	56.73	56.43	56.26	56.26	

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
53.7	53.4	54.6	54.4	54.9	54.4	54.3	54.2	54.6	55.8	56.5	56.8	55.16
55.2	55.0	55.0	55.5	54.2	54.5	55.1	54.9	55.5	56.0	56.5	57.0	55.44
56.3	56.5	56.2	56.7	56.4	57.2	57.1	57.2	55.5	56.0	57.7	57.5	56.83
56.6	56.7	56.8	56.5	54.6	55.6	55.4	55.2	55.4	55.6	56.6	55.8	56.67
56.0	53.1	52.9	53.4	52.7	52.4	52.9	50.8	51.5	51.6	54.8	55.5	54.78
54.6	54.5	54.5	53.4	53.6	53.6	53.7	54.0	52.7	53.6	54.0	55.5	54.63
54.2	54.2	54.7	54.8	53.6	53.8	54.4	54.4	53.6	54.1	55.7	56.5	54.66
54.4	55.0	55.2	53.7	53.6	53.9	55.2	55.1	54.4	54.6	55.4	55.8	54.57
54.7	55.1	54.8	54.0	53.8	54.9	54.3	55.0	55.4	55.3	55.6	56.8	54.96
54.0	54.0	52.2	52.2	52.6	51.2	51.6	51.9	52.6	52.6	53.0	53.4	54.03
50.6	51.9	53.9	53.2	53.6	53.5	52.5	51.8	50.9	50.2	50.9	51.3	52.73
51.5	51.8	51.3	50.5	52.0	51.0	50.3	52.8	52.4	50.0	50.5	52.0	52.30
50.5	53.0	52.8	51.6	51.3	50.9	52.7	51.8	52.4	50.6	53.4	54.9	52.92
53.2	54.2	53.8	53.2	52.8	53.2	54.4	54.2	54.0	54.8	54.6	55.9	54.33
54.4	54.2	53.6	53.6	54.1	53.7	54.0	54.0	54.1	54.1	55.0	55.5	54.86
52.2	52.2	52.8	52.7	51.3	51.2	51.6	51.1	53.1	52.4	53.3	54.4	53.49
51.4	49.4	49.2	50.6	51.9	52.7	52.7	52.4	53.6	52.4	54.6	55.5	52.83
54.2	53.8	53.3	52.7	52.2	50.5	49.4	52.0	53.2	54.4	55.5	55.5	54.23
54.4	54.3	54.2	53.6	53.8	54.0	54.0	52.6	52.8	55.0	55.4	55.8	55.44
53.8	53.7	53.9	54.1	53.6	54.0	53.5	53.6	54.7	55.8	55.6	56.0	54.96
55.6	55.0	54.6	54.7	54.2	54.2	54.6	54.8	54.6	54.6	55.2	56.1	55.55
54.1	54.5	54.2	54.8	53.5	53.5	53.5	53.8	54.4	55.2	55.4	54.5	54.94
55.6	54.4	54.5	53.5	53.5	52.4	53.2	52.6	53.2	54.5	54.0	54.8	54.89
55.0	54.9	54.2	54.4	54.8	53.8	54.2	53.9	54.0	54.6	55.5	55.7	54.88
54.5	54.6	54.8	53.8	53.8	52.8	53.3	53.3	54.1	54.5	55.2	55.3	54.76
54.0	54.0	53.2	52.2	52.8	53.2	53.3	53.2	53.6	53.7	54.5	55.0	54.49
52.4	52.3	52.0	52.0	51.6	51.8	52.2	52.7	53.0	53.1	53.5	54.6	54.07
53.97	53.91	53.82	53.55	53.36	53.26	53.46	53.46	53.68	53.89	54.74	55.31	54.57
55.6	55.2	56.2	56.2	56.4	56.2	56.0	55.8	56.2	57.4	58.3	59.8	57.97
57.2	56.6	56.7	56.8	55.7	55.7	56.5	56.3	56.6	57.5	58.6	59.4	58.29
57.8	58.0	57.8	58.0	57.9	58.2	58.1	58.1	57.6	58.6	59.4	60.6	59.10
58.3	58.2	58.2	57.9	57.2	57.6	57.4	57.2	57.6	58.1	60.3	61.6	59.31
58.0	55.3	55.3	56.1	55.8	55.6	56.0	55.4	55.7	56.9	57.6	59.0	58.45
56.5	56.5	56.3	55.2	55.2	55.5	55.7	55.4	54.5	54.8	56.5	57.4	57.52
56.0	55.9	55.9	55.6	54.9	55.1	55.8	55.5	54.6	55.6	57.6	59.2	56.84
56.6	56.6	56.7	56.4	56.5	56.6	56.7	56.4	56.5	57.2	59.0	57.8	57.53
56.7	56.5	56.3	56.2	55.8	56.8	55.9	55.6	56.1	56.6	56.6	57.8	57.51
55.8	55.6	55.4	55.4	54.8	54.8	54.8	53.4	54.0	54.6	56.1	57.8	56.53
54.6	54.5	54.8	54.7	54.4	54.2	54.1	54.4	54.7	55.1	56.2	57.6	55.81
55.3	55.2	55.2	55.1	54.9	55.2	55.3	54.4	54.8	54.4	55.5	56.7	56.05
56.0	55.6	54.8	55.3	55.2	54.1	54.5	54.0	54.2	55.2	57.4	58.1	56.48
54.6	54.8	54.6	54.6	54.3	54.9	54.9	54.9	54.7	55.6	55.8	56.8	55.65
54.8	54.8	54.4	54.1	54.6	54.4	54.5	54.6	54.8	55.4	56.6	57.6	55.83
55.4	55.4	55.6	55.4	55.0	55.0	55.4	55.0	55.9	56.4	58.0	58.8	56.44
55.6	53.1	52.5	53.9	55.4	55.9	56.0	55.8	56.5	57.3	59.2	59.8	57.27
57.2	56.6	56.2	55.4	54.8	53.0	51.9	54.1	55.4	56.6	58.9	59.9	57.97
56.6	56.3	56.1	55.6	55.8	56.1	56.4	54.6	54.8	57.2	59.0	60.5	58.72
56.4	56.1	56.1	56.1	55.4	56.0	55.8	55.8	56.4	58.0	58.6	59.5	58.34
57.3	56.7	56.1	56.6	56.2	56.2	56.4	56.4	56.5	56.0	57.2	58.6	58.19
56.1	56.3	56.0	55.8	55.6	55.6	55.5	55.8	56.3	57.3	59.1	60.8	57.99
56.7	56.1	56.2	55.4	55.3	54.8	54.6	53.9	54.7	55.2	56.4	55.4	57.50
55.8	55.8	55.6	55.6	56.0	54.9	55.2	55.4	55.8	55.7	56.4	56.4	56.19
55.4	55.6	55.8	55.2	55.0	54.8	55.2	54.4	55.1	55.5	56.1	57.6	56.54
54.9	54.7	54.6	54.2	54.3	54.0	54.4	54.0	54.2	54.6	55.3	56.2	55.85
54.8	54.9	54.8	54.7	54.6	54.7	54.9	54.9	55.0	55.8	56.7	57.5	56.11
56.15	55.81	55.71	55.61	55.44	55.40	55.48	55.24	55.53	56.24	57.49	58.45	57.26

WET AND DRY THERMOMETERS.															
Hours of Mean } Göttingen Time. }		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean } St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	SEPTEMBER.	1	55.6	56.8	56.6	56.0	56.3	55.9	55.0	55.2	54.4	52.6	52.4	53.5	
		2	56.4	57.1	56.9	57.2	56.9	56.2	56.0	54.9	55.9	55.4	56.0	55.4	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	56.4	56.5	56.6	57.3	56.6	56.4	56.0	55.2	55.4	54.7	54.9	54.2	54.1
		5	56.2	56.5	57.1	56.6	56.6	55.4	54.5	54.6	54.2	54.0	53.5	53.5	54.1
		6	55.0	56.1	55.8	55.6	55.9	54.9	54.1	53.2	53.8	53.2	53.8	53.8	53.7
		7	54.6	54.5	54.8	55.5	55.4	55.1	53.7	53.7	52.0	52.2	53.6	53.6	52.4
		8	55.2	56.3	56.4	57.7	55.7	55.8	55.0	53.3	53.3	53.0	53.1	53.1	52.8
		9	56.0	56.8	56.9	56.9	57.0	56.6	54.9	54.6	53.2	53.8	54.8	54.8	54.0
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	56.3	56.2	56.1	55.9	55.7	55.9	55.1	53.1	53.3	53.5	53.4	53.4	53.7
		12	55.7	56.2	56.2	55.8	55.1	54.2	54.1	53.9	53.9	53.4	53.2	53.6	53.8
		13	56.4	56.2	55.6	55.9	55.2	55.4	55.2	54.3	55.0	55.7	56.4	56.4	56.6
		14	58.2	58.0	59.0	58.8	58.4	58.2	56.6	56.1	55.8	55.6	55.5	54.3	54.3
		15	56.2	56.9	57.2	57.6	56.8	56.2	55.8	54.8	54.0	54.6	54.7	54.8	54.8
		16	57.6	57.7	57.9	58.0	57.9	57.0	56.1	55.6	56.5	55.8	55.2	55.2	55.2
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	57.9	58.0	58.0	57.4	58.1	57.0	57.4	56.0	56.2	56.1	55.1	54.4	54.4
		19	57.1	57.2	57.4	58.2	57.9	57.6	56.9	56.1	55.7	56.2	56.1	55.3	55.3
		20	57.6	58.5	58.7	57.6	58.3	57.8	57.3	57.0	57.0	57.0	57.0	56.4	56.4
		21	57.6	58.2	57.7	57.2	56.0	56.7	56.5	55.0	56.0	54.8	55.6	54.0	54.0
		22	56.0	57.3	57.2	57.1	55.4	56.6	56.1	55.0	55.7	55.0	55.1	55.6	55.6
		23	58.2	58.0	58.1	58.0	57.6	57.4	56.8	56.8	56.6	55.6	57.0	56.2	56.2
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	57.7	57.4	56.8	57.1	56.2	55.2	55.1	55.6	55.2	55.0	55.8	54.0	54.0
		26	55.8	56.2	56.5	56.2	56.1	55.1	54.7	54.2	54.6	54.1	53.4	53.2	53.2
		27	55.6	55.5	56.3	56.5	56.3	55.5	54.9	54.6	54.7	54.5	54.6	54.0	54.0
		28	56.8	56.8	57.0	56.6	56.6	55.8	55.4	54.4	53.0	53.2	54.5	54.8	54.8
		29	55.8	55.7	56.0	56.6	55.7	54.7	55.2	55.3	54.2	54.1	53.2	54.2	54.2
		30	56.4	56.6	56.7	56.9	55.6	55.3	54.2	54.6	54.4	53.8	52.8	53.3	53.3
		October	1	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		56.47	56.82	56.90	56.93	56.51	56.07	55.48	54.89	54.77	54.49	54.66	54.38		
Dry Thermometer.	SEPTEMBER.	1	58.2	58.2	57.4	56.7	57.1	56.8	55.8	55.8	55.6	55.1	55.3	55.4	
		2	58.0	59.8	60.4	60.8	60.7	59.2	58.6	56.9	56.6	56.4	56.7	56.4	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	57.6	58.0	59.0	59.0	58.4	57.8	57.2	56.1	56.0	56.0	55.6	55.2	55.2
		5	56.7	57.1	57.6	58.4	57.5	56.6	56.3	55.6	55.3	55.4	55.0	55.1	55.1
		6	56.8	58.3	58.3	58.6	57.4	56.8	56.3	55.6	55.6	55.2	55.1	54.8	54.8
		7	57.0	58.7	58.2	59.7	59.1	58.2	57.0	56.2	55.7	55.6	55.8	55.8	55.8
		8	60.0	61.7	61.7	60.0	59.7	59.4	58.2	57.1	56.9	56.4	56.2	56.0	56.0
		9	60.5	61.5	62.3	61.2	61.2	59.8	58.6	57.6	56.8	56.8	57.1	56.6	56.6
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	60.2	60.8	60.1	60.5	60.0	59.4	58.2	57.0	56.9	56.8	56.8	56.6	56.6
		12	61.4	61.2	61.0	60.2	59.8	59.4	58.9	58.1	57.8	57.7	57.6	57.8	57.8
		13	62.0	62.0	62.2	63.1	63.1	62.5	61.5	58.6	58.0	58.2	58.2	58.3	58.3
		14	61.4	62.0	63.8	63.0	62.7	62.1	60.2	58.9	58.2	57.8	58.0	57.6	57.6
		15	59.7	61.5	62.5	62.0	60.8	60.5	59.4	58.2	57.2	57.8	57.7	57.6	57.6
		16	62.6	62.9	63.8	62.9	62.5	61.6	60.9	59.4	59.2	58.7	58.3	58.0	58.0
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	62.2	63.1	63.4	63.2	62.5	61.2	60.2	58.5	58.2	58.1	57.5	57.2	57.2
		19	61.0	61.6	62.8	63.5	61.9	60.9	59.9	58.6	58.0	58.0	58.0	57.6	57.6
		20	59.7	61.7	62.7	60.4	61.5	60.6	59.7	58.6	58.4	58.1	57.9	57.6	57.6
		21	61.7	63.2	62.4	62.0	60.9	60.8	59.0	58.0	57.8	57.8	57.4	57.2	57.2
		22	60.5	62.9	61.3	60.8	60.2	60.1	59.0	58.2	58.0	57.4	56.9	57.0	57.0
		23	58.6	58.8	59.1	58.6	58.4	58.0	57.5	58.6	57.2	57.0	57.4	56.7	56.7
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	60.3	61.8	60.3	60.0	60.2	60.0	58.9	57.8	57.2	56.8	57.0	56.2	56.2
		26	60.4	59.2	60.7	59.8	60.3	59.8	58.0	56.6	56.4	56.5	56.2	56.2	56.2
		27	57.3	57.2	57.5	58.3	57.9	56.5	55.6	55.6	55.2	55.0	55.3	55.1	55.1
		28	57.6	58.1	59.2	57.6	58.0	57.9	57.0	56.4	55.7	56.0	56.3	56.4	56.4
		29	59.6	60.0	59.6	60.4	58.8	59.3	58.4	57.0	56.2	55.1	55.4	55.4	55.4
		30	58.6	59.2	57.9	57.8	57.9	57.5	55.9	55.8	55.4	54.8	54.7	54.8	54.8
		October	1	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		59.60	60.40	60.58	60.33	59.94	59.33	58.32	57.34	56.90	56.71	56.67	56.48		

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
52.4	53.0	53.6	53.6	52.6	53.8	52.5	52.6	53.3	54.4	55.0	56.6	54.32
—	—	—	—	—	—	—	—	—	—	—	—	55.08
55.4	53.0	53.0	53.3	54.0	54.1	53.5	53.9	53.3	54.0	54.4	55.6	55.04
54.5	54.0	54.1	53.8	54.4	54.0	53.7	53.7	54.0	54.0	55.1	55.5	54.51
54.2	53.4	53.7	53.9	54.4	53.5	53.4	52.6	53.6	53.6	54.3	54.7	53.75
53.0	53.8	53.2	53.0	52.4	52.5	52.6	51.9	52.8	52.6	53.5	53.7	53.13
51.2	51.5	51.8	52.2	51.3	50.9	51.6	51.7	52.7	53.6	53.9	55.2	53.94
51.8	51.8	53.0	53.5	52.6	53.0	52.0	52.7	54.0	54.4	55.4	—	54.82
—	—	—	—	—	—	—	—	—	—	—	—	54.03
53.9	53.9	53.9	53.6	54.4	54.2	53.6	54.2	54.0	54.4	55.1	55.0	54.38
53.2	52.8	53.1	52.3	52.8	52.7	52.8	53.9	53.3	53.2	53.7	54.6	56.02
53.8	53.8	54.5	55.0	54.5	54.2	53.6	52.9	53.1	54.0	55.2	55.2	55.96
56.7	56.8	56.6	56.5	56.0	56.0	55.6	55.4	56.1	56.3	57.2	57.4	55.33
54.3	55.2	54.1	54.1	54.9	56.0	55.6	54.6	54.2	54.4	55.2	56.0	56.15
54.8	54.4	53.9	54.8	54.1	54.6	55.1	54.8	54.5	55.0	55.4	57.0	56.06
—	—	—	—	—	—	—	—	—	—	—	—	56.27
55.3	55.7	55.3	55.4	54.9	54.5	55.1	54.6	56.1	55.5	57.4	57.2	56.57
54.6	55.0	56.0	55.2	55.0	54.7	55.3	54.8	55.1	55.5	56.2	56.4	55.55
55.4	55.6	55.7	54.9	55.5	55.6	55.0	54.9	55.3	56.7	56.3	57.8	55.78
56.0	56.1	56.4	54.9	55.5	55.2	55.3	54.6	55.2	55.6	56.4	56.3	56.19
54.8	54.6	53.8	55.2	53.6	54.4	54.1	53.6	55.6	55.7	56.0	56.6	54.92
55.3	55.3	54.9	55.2	54.8	54.9	55.0	55.1	55.3	56.1	56.9	57.7	54.77
—	—	—	—	—	—	—	—	—	—	—	—	54.74
55.9	54.8	54.6	55.1	55.2	54.8	54.2	55.2	55.4	55.6	55.1	56.5	54.81
54.0	52.8	54.2	53.8	54.6	54.4	53.9	52.9	53.2	54.4	54.0	54.7	54.40
53.4	53.9	53.8	54.4	54.4	54.6	54.2	54.5	54.9	54.9	55.2	56.1	54.72
54.2	54.1	54.3	53.4	53.6	53.4	54.1	53.6	54.3	54.6	55.2	55.9	55.05
54.6	54.4	54.0	54.4	53.9	53.2	53.4	54.0	53.8	54.6	55.0	55.3	55.92
53.3	53.0	53.6	52.8	52.6	53.3	53.7	53.7	53.7	54.7	55.1	55.5	55.92
—	—	—	—	—	—	—	—	—	—	—	—	56.81
53.4	54.1	54.1	54.0	54.4	54.4	53.3	54.1	54.6	55.6	55.7	55.0	56.19
54.21	54.11	54.20	54.17	54.08	54.11	53.96	53.84	54.22	54.69	55.25	55.92	55.92
—	—	—	—	—	—	—	—	—	—	—	—	56.81
55.3	55.4	55.3	55.0	54.8	54.9	54.9	55.2	55.9	55.3	55.6	57.0	56.19
56.2	54.9	55.1	55.1	54.6	54.7	54.3	54.7	54.1	55.3	56.2	57.7	55.53
55.4	54.9	55.0	55.0	54.8	54.8	54.7	54.7	54.9	55.6	56.3	56.6	55.51
55.0	54.5	54.4	54.5	55.4	55.0	54.0	53.4	54.2	54.4	55.2	56.0	56.69
54.5	54.5	54.3	54.4	54.0	54.0	54.0	53.6	54.1	54.4	55.4	56.2	57.39
55.3	55.5	55.5	55.8	55.2	54.9	55.2	55.4	56.2	57.4	58.6	58.5	57.98
55.3	55.5	55.8	56.1	55.6	55.6	55.2	55.4	55.8	56.8	58.2	58.7	57.63
—	—	—	—	—	—	—	—	—	—	—	—	58.50
56.3	56.7	56.6	56.4	56.6	56.4	56.2	56.4	56.4	57.0	57.8	58.6	59.37
56.4	56.2	56.2	55.8	56.0	55.8	56.0	56.1	56.3	56.7	58.4	59.8	59.07
57.6	57.4	57.4	57.4	57.2	57.1	57.0	56.8	57.2	58.2	59.2	60.5	58.75
58.2	58.2	58.0	58.0	57.5	57.4	57.2	56.8	57.4	58.7	59.8	60.0	59.48
57.4	57.4	57.3	57.2	57.6	57.8	57.6	57.2	57.0	57.4	58.5	59.6	59.01
57.7	57.2	57.0	57.7	57.1	57.2	57.2	57.2	57.2	58.4	59.7	61.4	58.85
—	—	—	—	—	—	—	—	—	—	—	—	58.66
57.8	57.5	57.3	57.6	57.5	57.3	57.4	57.0	57.4	58.5	60.1	61.2	58.56
57.0	57.0	57.6	57.1	57.1	57.0	57.3	57.0	57.0	57.9	58.6	60.3	58.66
57.4	57.4	57.2	57.0	57.0	56.9	56.8	57.2	57.6	57.6	57.4	61.0	58.56
57.3	57.1	57.4	56.9	56.9	56.8	56.8	56.8	56.8	57.9	59.9	60.3	57.84
57.2	57.2	57.0	57.1	56.8	56.5	57.0	57.2	57.4	57.7	57.7	59.1	57.25
56.6	56.2	56.0	56.0	55.6	55.8	55.7	55.9	56.0	56.7	57.4	58.0	57.38
—	—	—	—	—	—	—	—	—	—	—	—	56.92
56.4	56.1	55.8	56.1	56.2	55.8	55.6	56.2	56.4	56.6	57.7	59.2	55.75
56.1	55.4	56.0	55.8	55.3	55.4	55.4	55.0	55.2	56.0	56.5	58.5	56.45
55.8	55.6	55.5	55.6	55.0	55.0	55.1	55.1	55.3	55.4	55.7	56.8	56.64
55.2	55.1	55.0	54.5	54.8	54.6	54.6	54.4	55.1	55.6	55.8	56.8	55.93
56.0	55.8	55.4	55.5	55.4	54.8	55.2	55.1	54.8	55.9	56.2	58.6	56.45
55.3	55.4	55.4	55.1	55.1	54.7	54.6	54.6	54.6	55.2	56.6	57.6	56.64
54.6	—	—	—	—	—	—	—	—	—	—	—	55.93
—	55.1	54.8	54.5	54.9	54.9	54.1	54.6	55.0	56.0	56.4	57.2	57.46
56.28	56.12	56.09	56.05	55.92	55.81	55.73	55.72	55.97	56.63	57.50	58.66	57.46



WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	OCTOBER.	2	55.6	56.0	56.4	57.1	57.0	57.0	56.4	55.6	55.4	55.4	55.4	54.7	
		3	57.0	56.6	57.1	56.4	56.1	56.1	55.4	54.6	53.8	54.8	54.6	54.0	
		4	56.0	56.6	56.6	56.6	56.9	55.4	55.5	55.0	54.4	54.4	54.6	53.6	
		5	57.6	57.2	57.4	57.8	57.5	55.8	56.4	54.5	55.0	54.0	53.8	53.8	55.2
		6	56.8	56.8	57.1	57.2	57.1	55.7	55.6	55.3	56.4	55.2	55.3	55.3	55.2
		7	56.4	57.4	57.2	57.7	57.0	55.2	55.0	55.0	55.0	55.0	55.1	54.4	54.7
		8	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	58.3	58.4	58.2	57.9	57.4	56.8	56.4	55.8	55.4	55.0	54.5	54.5	54.6
		10	57.0	57.1	57.4	57.2	57.2	56.8	56.1	55.7	55.3	55.6	55.6	55.6	55.1
		11	58.0	57.3	57.6	57.5	57.2	56.7	55.8	55.8	55.8	56.0	55.5	55.7	55.7
		12	58.8	59.3	59.3	59.0	59.9	58.8	57.7	56.8	56.8	56.0	55.6	55.5	55.5
		13	57.4	57.8	58.9	58.8	57.9	57.2	56.2	56.5	56.0	55.9	55.9	55.3	55.2
		14	57.0	58.7	58.4	57.8	58.2	56.8	56.5	56.2	55.6	55.5	55.6	55.6	55.8
		15	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	57.7	57.5	58.4	57.7	57.8	57.6	56.9	55.6	55.6	56.2	56.2	56.2	57.0
		17	57.6	58.6	58.0	57.7	57.6	57.2	56.2	55.6	54.0	53.2	53.4	53.4	53.6
		18	55.3	56.2	56.0	56.8	56.9	55.6	55.5	55.0	52.8	52.6	53.2	52.8	52.8
		19	56.4	56.8	57.2	57.0	56.6	56.6	56.0	55.7	56.9	56.9	56.4	55.6	55.6
		20	58.9	58.8	59.3	59.9	59.7	58.2	57.6	57.4	56.0	55.6	55.4	55.1	55.1
		21	57.1	56.8	57.7	57.3	56.9	56.5	56.1	55.8	55.4	55.8	55.4	55.6	55.6
		22	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	58.0	58.2	57.2	57.5	56.8	56.9	56.4	56.0	55.2	54.3	55.8	55.6	55.6
		24	58.2	58.6	58.7	58.6	58.0	57.6	57.4	56.7	56.5	57.0	56.6	57.2	57.2
		25	57.2	58.2	58.0	57.3	56.0	56.3	56.8	56.4	56.2	56.2	56.2	56.2	56.2
		26	56.2	57.8	58.2	58.2	57.6	56.3	56.5	55.8	55.8	55.9	55.5	56.6	56.6
		27	57.3	57.4	57.7	56.8	56.9	57.0	55.8	55.9	55.4	55.8	55.6	56.2	56.2
		28	57.4	57.7	57.9	56.9	56.1	56.5	55.5	55.0	55.0	55.2	55.0	54.7	54.7
		29	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	56.5	56.6	57.4	56.9	56.9	56.4	55.3	54.6	54.1	54.4	54.0	53.8	53.8
		31	57.0	57.4	56.7	57.0	56.7	55.9	55.4	54.1	54.5	54.8	54.7	55.2	55.2
		Hourly Means		57.18	57.53	57.69	57.56	57.30	56.65	56.17	55.63	55.32	55.26	55.14	55.12
Dry Thermometer.	OCTOBER.	2	57.6	57.6	59.6	59.8	60.2	59.3	57.6	56.6	56.0	56.0	55.8	55.3	
		3	58.1	59.0	59.4	59.0	58.7	58.3	57.4	56.4	56.2	56.2	56.3	56.3	
		4	58.4	58.8	60.0	59.8	60.1	58.7	57.8	57.2	56.8	56.6	56.5	56.0	
		5	61.3	62.5	62.7	61.7	61.2	59.7	57.8	57.0	56.8	56.4	56.3	56.2	56.2
		6	59.9	62.2	62.0	61.7	60.3	60.2	58.9	57.6	57.5	57.2	57.1	56.8	56.8
		7	60.3	61.7	61.4	60.9	60.1	59.2	58.5	57.4	57.3	57.2	57.0	56.9	56.9
		8	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	59.6	60.7	59.2	60.2	59.0	58.2	57.4	56.6	56.2	56.0	55.6	55.8	55.8
		10	58.7	58.2	59.0	59.2	59.2	58.4	57.5	57.0	56.7	56.7	56.4	56.3	56.3
		11	59.9	59.7	60.0	59.6	58.9	58.3	57.6	57.2	57.0	57.0	56.7	56.8	56.8
		12	61.4	61.9	62.8	63.1	64.0	62.6	61.1	59.5	59.2	58.4	57.7	57.3	57.3
		13	61.1	62.4	64.2	64.4	62.4	61.6	60.0	58.9	58.3	57.8	57.5	57.1	57.1
		14	61.2	61.7	61.4	62.0	61.6	60.6	59.1	58.3	57.6	57.4	57.3	57.4	57.4
		15	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	60.8	61.1	62.8	61.0	62.2	61.3	60.8	58.6	58.2	57.8	57.4	57.6	57.6
		17	62.3	63.4	63.4	62.4	62.2	62.3	60.4	58.6	57.2	57.4	57.2	57.0	57.0
		18	60.0	62.2	61.4	62.5	62.0	60.8	59.0	58.0	57.0	56.6	56.6	56.3	56.3
		19	62.6	61.5	63.4	62.5	62.1	61.8	59.9	59.0	58.3	57.8	57.4	57.3	57.3
		20	59.5	59.4	62.4	63.2	60.6	58.9	58.4	58.0	57.4	57.1	56.9	57.0	57.0
		21	59.9	60.6	61.7	61.1	61.2	59.3	58.8	57.6	56.5	56.8	56.3	56.6	56.6
		22	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	60.0	60.8	58.8	58.6	58.0	58.2	57.4	56.7	56.6	56.2	56.6	56.6	56.4
		24	60.6	60.0	59.9	59.4	59.6	59.7	58.8	57.7	57.5	57.6	57.2	57.6	57.6
		25	59.8	62.0	60.2	59.2	58.2	58.6	58.2	57.3	57.1	57.1	57.1	57.1	57.2
		26	58.2	62.3	61.0	59.9	59.4	57.5	57.2	56.2	56.5	56.6	56.4	57.1	57.1
		27	59.1	60.6	59.6	59.3	59.4	59.1	57.8	57.1	56.6	56.8	56.7	56.9	56.9
		28	61.6	61.4	62.3	61.1	59.3	58.1	57.5	56.4	56.5	56.5	56.4	56.0	56.0
		29	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	61.2	62.0	63.2	63.5	63.3	61.8	59.3	58.2	57.4	57.2	56.8	56.3	56.3
		31	62.2	62.8	64.1	64.0	63.8	61.2	59.4	58.3	57.9	57.5	57.3	57.5	57.5
		Hourly Means		60.20	61.02	61.38	61.12	60.65	59.76	58.60	57.59	57.17	56.99	56.79	56.73

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
54.7	54.9	54.4	54.4	54.6	54.2	54.0	53.5	54.0	54.3	54.9	55.1	55.21
53.5	54.5	53.2	53.4	53.0	54.0	53.8	53.9	53.6	54.6	54.7	55.0	54.74
54.0	53.6	53.6	53.8	53.3	53.2	53.8	53.5	53.3	54.1	55.2	55.6	54.69
54.2	53.6	53.8	52.6	52.8	53.8	53.9	53.0	53.6	54.7	55.6	55.7	54.92
55.0	55.0	54.6	54.4	53.5	54.0	54.0	54.3	54.0	54.5	55.4	55.8	55.34
—	—	—	—	—	—	—	—	—	—	—	—	—
54.5	54.9	54.2	54.4	54.0	54.2	54.3	54.2	54.5	55.2	56.4	57.3	55.34
54.6	54.4	54.4	54.2	54.1	54.6	54.5	54.6	54.8	55.2	55.8	56.7	55.69
55.2	55.2	55.3	55.4	55.1	55.1	54.8	55.2	55.6	56.3	56.6	57.4	55.97
55.6	55.6	55.7	55.5	55.8	56.0	55.8	56.1	57.0	57.6	57.8	58.2	56.48
55.7	56.0	55.6	55.5	55.4	54.8	54.7	54.8	55.4	55.8	56.8	56.9	56.70
55.5	55.1	55.0	54.8	55.0	54.8	55.0	55.0	55.3	55.7	56.6	57.2	56.17
—	—	—	—	—	—	—	—	—	—	—	—	—
55.8	56.0	55.3	54.7	55.6	54.9	55.7	55.0	55.6	56.0	56.3	56.7	56.24
56.8	56.8	55.8	55.2	54.7	54.2	54.0	54.7	54.8	55.5	55.8	56.0	56.19
53.6	53.0	52.8	52.6	52.3	52.4	—	52.5	53.0	52.7	53.4	54.1	54.57
52.2	52.4	52.8	52.0	51.9	51.9	52.0	52.1	52.5	54.7	55.5	56.2	53.95
56.4	56.0	56.0	56.1	55.8	55.1	54.9	55.3	56.2	56.7	57.6	58.0	56.34
55.6	54.6	55.0	55.6	55.4	55.2	54.2	54.7	55.6	55.0	56.4	56.5	56.49
—	—	—	—	—	—	—	—	—	—	—	—	—
55.2	55.6	55.0	54.9	54.8	55.0	54.4	54.8	55.3	55.5	56.0	56.8	55.82
54.4	54.4	54.9	54.4	54.4	54.6	54.4	55.0	55.5	55.9	57.6	57.4	55.87
56.2	56.1	55.6	55.0	56.0	54.4	53.6	54.9	54.7	55.4	56.3	57.0	56.51
55.7	56.2	56.0	55.6	55.5	55.2	55.7	53.7	54.7	56.4	57.1	58.1	56.29
56.3	56.3	55.0	55.8	54.2	54.2	54.3	54.8	55.9	56.3	57.2	58.0	56.19
56.0	55.5	55.5	54.7	54.6	54.8	54.8	54.9	55.8	56.1	56.8	56.3	55.98
—	—	—	—	—	—	—	—	—	—	—	—	—
54.8	53.8	53.2	53.1	52.8	54.2	53.6	53.4	54.1	55.1	56.2	55.4	55.11
53.8	52.6	53.2	53.6	54.8	54.2	52.8	54.3	54.2	55.4	54.4	55.2	54.81
55.2	53.5	54.2	54.3	52.7	53.8	52.3	53.5	53.4	52.6	55.8	55.6	54.85
—	—	—	—	—	—	—	—	—	—	—	—	—
55.02	54.83	54.62	54.46	54.31	54.34	54.23	54.29	54.71	55.28	56.08	56.47	55.63
—	—	—	—	—	—	—	—	—	—	—	—	—
55.2	55.4	54.8	54.8	55.1	54.4	54.6	54.0	54.8	55.2	55.8	57.4	56.37
56.0	56.3	55.8	55.8	55.5	55.8	55.6	55.7	55.5	55.8	56.9	57.6	56.82
56.0	55.8	55.6	55.8	55.2	55.2	55.4	55.4	55.7	56.8	58.7	59.7	57.17
56.3	56.1	56.1	55.5	55.8	56.0	55.8	55.6	56.2	56.8	57.3	58.7	57.74
56.2	56.0	55.8	55.6	55.3	55.6	55.6	55.9	56.1	56.9	58.3	59.6	57.85
—	—	—	—	—	—	—	—	—	—	—	—	—
56.8	55.8	55.4	55.2	55.0	54.8	54.8	54.6	55.0	55.8	57.0	57.8	57.33
55.6	55.6	55.4	55.2	55.1	55.1	55.1	55.0	55.4	56.0	56.4	57.9	56.76
56.2	56.1	56.0	56.0	56.0	56.0	55.6	56.0	56.4	57.0	57.4	58.8	57.12
56.6	56.5	56.6	56.4	56.4	56.5	56.4	56.6	57.4	58.6	59.2	59.9	57.74
57.3	57.6	57.1	57.0	57.0	56.6	56.4	56.5	57.1	58.0	59.4	59.9	59.12
57.1	56.8	56.5	56.3	56.2	56.2	56.2	56.3	56.6	57.5	58.5	59.6	58.73
—	—	—	—	—	—	—	—	—	—	—	—	—
57.1	57.6	57.1	56.5	56.8	56.3	56.7	56.2	56.9	57.7	58.4	60.0	58.45
57.4	57.3	56.6	56.2	56.0	55.8	55.6	56.2	56.5	57.6	59.0	60.0	58.49
57.3	57.0	56.9	56.5	56.5	56.4	56.3	56.4	56.8	57.4	57.9	59.0	58.41
55.5	55.6	55.6	55.3	55.3	55.3	55.2	55.7	56.5	58.0	59.3	61.3	57.96
57.1	56.7	56.6	56.6	56.2	56.0	56.0	55.9	56.7	57.3	58.2	58.9	58.58
56.6	56.4	56.6	56.4	56.0	56.0	55.8	55.8	56.5	57.3	58.2	59.4	57.91
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	56.4	55.7	55.7	55.8	55.8	55.3	55.4	55.8	56.0	56.5	57.8	57.45
56.0	56.2	56.0	56.1	56.2	56.0	55.6	56.1	56.6	56.5	58.4	60.3	57.26
57.0	56.6	56.3	55.8	56.4	55.8	55.8	55.8	56.4	56.2	56.9	58.1	57.61
57.0	57.0	56.8	56.6	56.4	56.4	56.6	55.9	55.4	57.1	58.2	60.3	57.74
56.9	57.0	56.0	56.5	55.5	55.3	55.2	55.6	56.6	57.5	58.0	60.4	57.45
56.9	56.5	56.5	55.6	55.5	55.4	55.4	55.7	56.5	57.2	58.4	59.3	57.41
—	—	—	—	—	—	—	—	—	—	—	—	—
56.6	55.8	55.4	55.1	55.9	55.5	55.6	55.4	56.4	58.2	60.2	60.1	57.64
56.2	55.5	55.6	55.9	56.4	56.1	55.4	56.3	56.9	58.6	60.3	60.2	58.48
57.4	57.0	57.0	57.0	55.5	55.1	55.1	55.6	56.2	58.4	59.5	58.6	58.68
—	—	—	—	—	—	—	—	—	—	—	—	—
56.56	56.41	56.15	55.98	55.88	55.75	55.42	55.75	56.27	57.13	58.17	59.25	57.78

WET AND DRY THERMOMETERS.														
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Wet Thermometer.	NOVEMBER.	1	54.4	57.6	58.1	57.3	57.9	55.6	54.9	54.6	54.4	54.0	53.8	54.4
		2	56.4	55.3	57.1	56.3	57.0	56.8	56.7	55.8	55.0	54.0	54.7	54.6
		3	56.6	57.8	57.0	57.7	56.6	57.4	55.8	55.2	55.4	55.1	53.5	55.7
		4	57.2	58.1	57.2	56.4	56.2	55.8	56.0	56.0	55.6	56.0	55.6	55.0
		5	—	—	—	—	—	—	—	—	—	—	—	—
		6	56.5	57.2	57.9	57.3	57.3	57.5	56.3	55.0	54.4	54.3	54.4	55.7
		7	57.3	57.2	57.8	58.3	59.1	58.4	57.0	56.9	55.7	56.2	55.6	56.3
		8	59.6	58.0	58.1	58.5	58.1	57.3	56.8	55.8	55.0	54.9	54.8	54.6
		9	57.0	57.2	55.6	57.6	57.0	57.0	56.4	55.1	54.5	54.5	54.4	54.5
		10	58.1	57.8	58.5	58.3	58.5	57.7	56.8	55.8	55.8	55.6	55.2	55.6
		11	57.6	58.0	58.4	58.5	57.6	58.0	56.6	56.2	56.0	55.8	57.0	55.6
		12	—	—	—	—	—	—	—	—	—	—	—	—
		13	58.2	59.6	58.8	59.1	59.8	58.4	58.4	57.6	57.4	55.8	57.0	57.4
		14	58.6	59.5	59.3	59.3	58.7	57.8	57.3	56.8	55.7	55.6	56.4	56.0
		15	60.6	61.2	61.0	61.1	60.9	59.8	59.4	58.8	58.8	58.6	58.4	58.6
		16	61.6	62.3	60.8	60.8	61.0	60.0	59.7	59.3	59.4	58.5	59.5	59.0
		17	60.4	60.4	60.2	60.4	60.2	60.7	59.6	59.3	59.3	58.9	58.0	58.2
		18	58.6	59.5	59.1	59.5	58.8	58.4	58.4	57.4	57.9	57.0	57.8	57.7
		19	—	—	—	—	—	—	—	—	—	—	—	—
		20	57.0	57.8	57.8	58.5	57.9	58.0	57.8	56.4	55.6	55.0	54.4	54.8
		21	56.2	57.4	57.0	57.1	57.6	57.3	57.2	55.6	55.0	55.0	55.3	54.8
		22	56.4	57.4	58.2	57.4	57.2	57.0	57.2	57.2	56.7	55.8	57.2	57.2
		23	57.2	58.2	58.0	58.8	58.4	58.8	57.8	56.9	55.8	56.4	56.7	56.9
		24	58.6	58.9	58.8	58.1	58.3	57.6	56.6	55.6	56.0	56.0	55.7	55.2
		25	58.5	59.3	60.0	59.8	60.3	61.2	59.9	57.8	57.2	57.0	56.9	56.5
		26	—	—	—	—	—	—	—	—	—	—	—	—
		27	61.5	62.4	62.5	63.4	62.8	63.1	61.5	61.2	60.8	60.6	60.8	61.1
		28	62.8	63.4	63.8	62.9	63.1	62.8	62.4	62.4	61.7	61.6	61.8	60.7
		29	62.2	62.2	61.8	61.9	61.7	61.0	60.8	59.2	58.5	58.8	59.2	59.6
		30	59.7	60.0	60.0	60.2	60.0	59.7	58.8	58.6	58.0	58.0	58.4	58.6
		Hourly Means		58.42	58.99	58.95	59.02	58.92	58.58	57.93	57.17	56.75	56.50	56.63
Dry Thermometer.	NOVEMBER.	1	56.8	62.6	63.4	60.9	62.2	59.2	59.6	58.0	57.7	57.4	57.3	57.2
		2	60.8	61.8	63.4	61.9	62.2	60.4	59.4	58.6	58.0	56.8	57.2	56.6
		3	62.2	63.6	62.0	63.5	64.1	62.6	60.0	59.0	58.5	57.9	57.6	57.9
		4	61.3	62.8	61.0	61.6	61.8	62.8	60.8	59.4	58.5	58.4	58.0	57.6
		5	—	—	—	—	—	—	—	—	—	—	—	—
		6	60.9	62.1	63.7	62.0	61.8	60.6	59.3	58.5	58.0	57.8	57.8	57.7
		7	60.7	61.1	62.6	62.0	60.8	60.8	59.8	58.9	57.8	57.6	57.2	57.4
		8	61.2	60.9	61.8	62.5	61.7	61.5	60.3	59.1	58.2	58.0	57.9	57.8
		9	61.0	61.2	61.8	61.4	61.0	60.6	59.6	58.4	57.4	57.6	57.4	57.3
		10	63.0	63.4	63.4	64.7	64.1	63.3	60.7	59.2	58.6	58.4	57.9	58.0
		11	61.8	61.8	62.6	62.5	63.1	62.4	61.2	60.3	59.2	58.8	59.0	58.3
		12	—	—	—	—	—	—	—	—	—	—	—	—
		13	60.6	63.1	62.2	64.0	64.0	61.6	60.8	60.0	59.4	58.8	59.4	58.6
		14	59.7	63.0	63.6	62.6	60.6	59.2	59.4	58.6	58.2	58.1	58.4	58.3
		15	62.1	62.0	61.8	62.9	62.0	61.5	60.4	60.0	59.8	59.7	59.4	59.4
		16	62.0	62.7	61.2	61.4	61.6	61.0	60.4	60.0	60.0	59.8	60.0	59.6
		17	60.8	61.8	61.0	60.7	60.4	61.5	60.2	59.8	59.8	59.3	58.6	58.7
		18	61.1	61.6	60.6	62.2	60.8	61.0	60.4	59.3	58.9	58.0	58.4	58.7
		19	—	—	—	—	—	—	—	—	—	—	—	—
		20	62.9	64.6	66.0	66.6	64.6	63.8	62.6	60.8	59.7	58.5	57.6	57.5
		21	64.8	66.1	65.5	66.6	66.7	66.0	64.8	62.0	60.5	60.0	59.4	59.8
		22	63.2	65.5	67.4	66.6	65.0	64.6	63.0	61.6	60.7	60.7	60.6	60.5
		23	62.0	65.0	64.9	65.0	65.7	65.7	62.5	60.7	59.2	59.4	59.7	59.8
		24	64.7	65.5	66.1	65.9	64.4	63.4	62.3	60.8	60.4	60.2	59.8	59.5
		25	65.0	65.2	65.9	67.6	68.0	68.4	66.8	62.8	61.6	61.2	61.0	60.6
		26	—	—	—	—	—	—	—	—	—	—	—	—
		27	64.1	67.7	67.0	66.0	65.6	64.8	63.2	62.1	61.6	61.2	61.2	61.4
		28	63.0	63.8	64.1	63.5	63.5	63.3	62.8	62.8	62.0	62.0	62.1	61.2
		29	63.9	63.6	62.4	63.2	63.9	62.8	62.7	60.6	60.0	59.9	60.2	60.2
		30	64.0	64.5	63.0	63.0	62.1	61.0	60.8	59.8	59.0	58.8	59.3	59.1
		Hourly Means		62.06	63.35	63.40	63.49	63.14	62.45	61.30	60.04	59.33	59.01	58.94

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
53.4	53.4	53.9	54.2	54.0	54.2	54.2	54.8	54.7	54.6	55.3	55.6	54.97
55.1	54.8	53.2	53.9	53.4	54.1	52.2	52.0	53.3	55.4	55.9	56.9	54.99
55.4	54.1	55.0	52.4	52.4	52.4	52.7	54.1	55.1	56.2	56.6	57.0	55.30
—	—	—	—	—	—	—	—	—	—	—	—	—
52.4	53.4	53.4	53.1	53.7	53.2	53.1	53.6	54.6	54.5	55.2	56.3	55.06
54.5	55.4	54.7	54.5	54.2	54.0	53.6	54.3	55.0	55.6	56.2	56.6	55.52
55.8	56.0	56.0	55.7	55.3	55.0	55.2	55.6	55.9	56.5	57.4	57.6	56.57
55.0	54.4	54.6	54.0	53.8	54.4	53.8	54.4	55.0	55.2	55.8	56.0	55.75
54.8	54.8	54.8	54.5	54.1	54.1	54.4	54.6	55.0	55.1	56.0	57.2	55.42
55.5	55.0	55.0	55.0	55.2	55.0	54.9	55.8	55.4	55.6	57.3	57.4	56.28
—	—	—	—	—	—	—	—	—	—	—	—	—
56.4	57.1	55.5	55.8	55.0	55.4	56.0	55.9	56.2	57.3	57.8	57.6	56.72
57.0	57.2	57.4	56.0	56.9	56.4	56.4	56.6	56.9	55.9	57.6	58.9	57.53
57.6	57.3	55.5	54.4	54.7	54.5	55.8	56.4	56.8	58.1	59.1	60.4	57.15
58.3	58.4	58.0	58.1	58.2	58.3	58.6	59.2	59.8	60.8	60.6	61.8	59.47
58.7	58.5	58.5	58.6	58.4	58.5	58.7	58.9	59.1	59.3	60.1	60.4	59.57
58.2	58.3	58.0	57.4	57.6	57.6	56.8	57.5	57.5	58.4	58.6	58.3	58.74
—	—	—	—	—	—	—	—	—	—	—	—	—
54.6	53.6	55.3	55.1	53.6	54.0	53.8	53.9	54.3	55.5	56.7	56.8	56.55
55.2	54.5	55.4	55.3	55.4	54.6	53.2	52.7	53.6	54.2	55.2	56.2	55.69
56.0	55.1	55.5	54.2	54.4	53.5	53.8	53.4	53.9	54.5	55.1	56.2	55.46
57.6	58.0	57.4	56.2	55.7	55.2	55.4	55.8	56.7	55.8	56.0	56.7	56.72
56.8	56.4	57.2	56.4	55.8	55.8	56.4	54.9	55.7	56.1	56.5	58.2	56.92
55.6	55.6	55.8	55.2	55.6	55.8	55.4	55.5	55.8	56.5	57.4	58.2	56.57
—	—	—	—	—	—	—	—	—	—	—	—	—
58.4	57.8	57.7	57.6	57.3	57.0	57.6	57.2	57.8	58.8	60.2	60.4	58.42
60.9	61.0	60.7	60.6	60.6	61.0	61.0	61.1	61.4	61.6	62.3	62.6	61.52
60.8	60.8	60.4	60.2	60.5	60.0	59.8	60.0	60.2	60.2	60.4	60.6	61.39
58.8	58.6	58.8	58.4	57.6	57.6	56.9	58.4	57.8	58.3	59.2	59.5	59.45
58.3	57.6	57.3	56.7	57.8	57.2	58.0	57.0	57.1	58.2	58.7	59.7	58.48
56.58	56.43	56.35	55.90	55.82	55.72	55.68	55.91	56.33	56.85	57.58	58.19	57.16
—	—	—	—	—	—	—	—	—	—	—	—	—
57.1	57.1	57.1	55.8	55.9	55.7	56.0	55.9	55.9	56.3	59.0	59.4	58.06
57.1	56.8	56.1	54.9	55.4	55.7	55.4	55.8	56.7	57.1	58.0	59.6	58.15
57.8	57.6	57.5	56.5	55.8	56.0	56.2	56.3	57.9	59.2	59.7	61.6	59.21
—	—	—	—	—	—	—	—	—	—	—	—	—
56.7	57.1	57.1	56.7	57.2	56.8	56.7	57.0	57.3	58.0	59.2	58.6	58.85
57.5	57.6	57.3	57.0	56.8	56.6	56.4	56.7	57.3	58.2	59.5	60.2	58.80
57.0	57.0	57.0	57.0	56.3	56.2	56.1	56.5	56.7	57.3	58.2	58.3	58.35
57.6	57.5	57.4	57.1	56.6	55.9	56.6	56.9	57.6	58.4	59.4	60.2	58.84
57.3	57.1	57.1	56.9	56.5	56.6	56.6	56.9	57.1	57.8	59.4	60.6	58.52
57.8	57.5	57.4	57.3	57.4	57.2	57.0	57.2	57.6	58.4	59.6	60.6	59.57
—	—	—	—	—	—	—	—	—	—	—	—	—
57.8	57.9	57.4	57.4	57.2	57.2	56.8	56.6	56.8	58.3	58.8	59.0	59.26
58.4	57.8	58.3	57.2	57.7	57.2	57.0	57.3	57.7	58.3	59.1	60.1	59.52
58.2	58.4	57.8	57.6	57.8	57.8	57.8	58.3	59.1	60.4	60.2	62.4	59.39
59.0	59.2	58.8	59.0	58.8	58.8	59.0	59.5	60.2	61.4	60.8	62.2	60.32
59.6	59.5	59.1	59.1	58.6	58.9	59.0	59.2	59.4	59.6	60.2	60.6	60.10
58.9	58.7	58.4	57.8	58.1	58.0	57.3	58.0	58.3	58.9	59.3	59.5	59.32
—	—	—	—	—	—	—	—	—	—	—	—	—
57.7	57.1	57.9	57.7	57.4	57.6	57.6	58.0	58.8	60.4	61.4	62.6	59.38
57.8	57.3	57.9	58.1	58.2	58.1	57.6	57.6	58.6	59.6	61.4	62.9	60.43
59.8	59.6	59.5	59.1	59.0	58.6	58.6	58.6	59.3	60.3	62.0	62.2	61.62
60.4	60.4	60.2	59.9	59.6	59.5	59.3	59.5	59.4	59.4	61.3	62.0	61.68
59.6	59.9	59.5	58.9	58.9	59.2	59.2	59.0	59.6	60.5	62.2	63.7	61.24
59.6	59.5	59.4	59.0	59.2	59.2	59.0	59.2	59.9	61.4	62.6	63.7	60.44
—	—	—	—	—	—	—	—	—	—	—	—	—
61.4	60.8	60.6	60.3	60.0	59.8	60.0	59.9	60.4	61.4	62.8	64.4	62.74
61.3	61.4	61.1	60.9	61.0	61.4	61.4	61.4	61.6	62.0	62.6	62.8	62.70
61.2	61.2	60.9	60.4	60.8	60.5	60.2	60.4	60.6	61.0	61.2	62.0	61.85
59.5	59.4	59.6	59.4	59.3	59.4	59.4	59.8	60.0	60.7	62.0	62.6	61.02
58.9	58.7	58.8	58.7	58.8	57.9	58.7	57.8	58.6	59.5	60.2	62.6	60.15
58.65	58.54	58.43	58.07	58.01	57.92	57.88	58.05	58.55	59.38	60.39	61.32	60.02

WET AND DRY THERMOMETERS.															
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Wet Thermometer.	DECEMBER.	1	60.2	61.0	60.8	61.0	59.6	60.2	59.8	60.0	59.3	58.8	58.8	59.0	
		2	59.6	60.0	61.3	60.8	61.0	60.6	60.2	60.0	60.0	59.7	59.5	58.6	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	62.6	61.8	62.6	63.2	63.3	62.0	61.8	60.8	60.8	61.0	61.2	61.2	61.2
		5	63.0	62.8	63.2	62.6	63.0	62.3	62.0	61.5	61.2	61.4	61.4	61.4	61.4
		6	61.6	61.9	61.4	60.5	61.3	60.3	60.2	60.4	60.0	59.8	59.8	59.6	59.6
		7	61.0	61.0	60.8	59.8	60.5	59.5	60.0	59.2	59.6	59.6	59.5	59.5	59.6
		8	60.3	60.6	61.4	61.3	60.8	60.7	60.2	59.3	59.4	59.0	59.3	59.0	59.0
		9	61.3	62.2	62.6	62.6	62.2	60.7	61.0	59.9	60.2	60.0	59.4	59.6	59.6
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	61.4	62.0	61.3	61.9	61.4	60.8	60.8	59.8	59.8	59.8	60.3	59.5	59.5
		12	60.0	61.1	61.5	61.2	62.0	60.6	60.8	60.4	59.6	58.8	58.4	58.0	58.0
		13	61.3	61.6	61.8	62.2	61.5	61.8	61.2	61.1	60.0	59.7	59.6	59.7	59.7
		14	63.1	61.9	62.8	62.8	62.1	62.5	61.4	60.6	60.6	60.8	61.2	60.2	60.2
		15	61.5	60.6	61.5	61.1	61.0	61.5	61.1	59.6	58.4	58.8	56.8	58.7	58.7
		16	59.3	60.1	60.9	61.2	61.4	60.6	59.8	57.8	59.2	57.0	56.8	56.8	56.8
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	58.7	60.1	60.3	61.0	61.8	59.5	59.4	59.0	59.0	58.6	56.7	55.7	55.7
		19	60.2	61.1	60.4	61.2	60.4	59.5	59.4	59.1	59.0	59.0	59.6	59.0	59.0
		20	61.2	61.4	61.0	60.9	62.4	61.1	60.4	60.3	59.9	60.1	60.5	58.3	58.3
		21	62.2	62.4	62.9	61.8	62.9	62.0	61.3	59.6	59.0	59.6	59.2	59.1	59.1
		22	61.2	62.8	63.6	63.7	64.4	64.8	64.2	61.0	59.8	59.4	59.0	60.5	60.5
		23	63.6	64.4	64.2	63.1	62.1	61.8	62.6	62.5	61.8	62.5	62.5	60.6	60.6
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	63.8	64.7	63.5	63.4	63.3	63.0	62.1	62.2	60.8	61.6	61.2	61.6	61.6
		27	62.1	62.3	62.6	63.0	61.8	61.8	61.2	61.3	61.1	60.5	59.2	60.5	60.5
		28	60.2	61.7	62.0	62.2	62.5	62.2	61.2	59.0	58.8	59.3	60.0	60.5	60.5
		29	62.4	63.9	63.7	63.4	62.2	61.5	62.4	61.6	61.8	61.2	61.3	60.6	60.6
		30	63.2	64.5	64.6	64.0	63.2	63.3	63.2	62.8	62.8	62.4	62.4	62.0	62.0
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		61.40	61.92	62.11	61.99	61.92	61.38	61.11	60.35	60.08	59.94	59.74	59.57		
Dry Thermometer.	DECEMBER.	1	63.4	65.0	65.2	64.6	63.4	62.8	62.0	61.4	60.8	60.6	60.4	60.4	
		2	62.7	62.8	65.1	65.5	65.3	64.4	63.2	62.1	61.6	61.2	61.0	60.6	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	63.0	62.2	63.8	65.8	66.6	64.2	63.7	62.2	61.7	61.8	61.8	61.8	61.8
		5	63.4	63.3	63.6	63.6	64.0	63.2	62.6	62.0	61.6	61.8	61.8	61.8	61.8
		6	62.1	62.6	62.0	61.3	62.6	61.3	61.2	61.2	60.6	60.4	60.2	60.4	60.4
		7	62.2	62.0	62.6	60.4	61.3	60.2	60.8	60.1	60.4	60.2	60.2	60.1	60.1
		8	61.6	62.9	63.4	64.0	62.3	63.5	62.2	60.3	60.4	60.2	60.3	60.1	60.1
		9	65.1	65.6	67.0	66.6	63.8	61.6	62.6	60.8	61.2	61.0	60.6	60.6	60.6
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	65.2	66.3	62.3	65.2	62.8	62.8	62.6	61.4	61.1	61.0	61.2	60.5	60.5
		12	63.8	63.7	64.1	65.6	66.2	64.5	63.2	62.2	61.4	61.4	61.3	61.0	61.0
		13	66.9	68.7	67.0	68.2	69.3	65.9	65.0	63.4	62.1	61.7	61.6	61.4	61.4
		14	68.6	69.0	68.4	67.8	66.0	66.0	64.0	62.8	62.4	62.2	62.1	61.7	61.7
		15	67.3	67.7	68.6	67.8	66.0	66.4	65.5	63.1	62.2	61.8	61.4	61.6	61.6
		16	65.8	66.9	68.0	68.7	66.8	65.6	64.6	63.0	62.4	61.4	61.4	61.4	61.4
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	64.3	66.4	66.9	67.1	68.2	66.0	64.4	63.8	62.2	61.9	61.5	61.6	61.6
		19	67.4	68.6	69.0	68.2	66.4	66.4	64.6	63.1	62.1	61.8	62.0	61.8	61.8
		20	66.5	66.4	68.0	69.0	70.4	68.7	68.1	66.1	63.7	63.2	63.0	61.7	61.7
		21	67.0	67.4	69.7	70.0	71.2	69.9	69.0	65.6	63.6	62.9	62.0	61.9	61.9
		22	68.2	70.3	71.6	72.2	72.6	72.8	71.8	67.7	64.8	63.8	62.9	63.9	63.9
		23	67.8	69.0	69.4	69.8	68.5	68.2	66.9	65.6	64.4	64.3	64.0	63.4	63.4
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	64.2	65.6	64.1	64.2	64.3	63.8	63.0	62.7	61.8	62.1	61.9	62.0	62.0
		27	65.6	63.4	65.4	65.2	66.6	65.3	63.8	63.0	62.6	62.1	61.5	61.9	61.9
		28	67.7	69.2	68.2	69.8	69.6	67.7	65.1	63.8	62.4	62.8	62.7	62.7	62.7
		29	66.4	69.8	69.8	67.7	68.0	67.7	66.2	64.4	63.8	63.2	63.2	63.2	63.2
		30	63.7	65.6	67.7	65.0	64.4	65.2	64.0	63.4	63.3	62.8	62.8	62.3	62.3
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		65.19	66.02	66.44	66.53	66.26	65.36	64.40	63.01	62.18	61.90	61.71	61.59		

<sup>a</sup> Christmas Day.

WET AND DRY THERMOMETERS.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
59.6	56.9	56.0	57.0	57.4	58.1	58.1	58.2	59.0	58.8	60.6	60.6	59.12
—	—	—	—	—	—	—	—	—	—	—	—	60.42
60.8	60.9	60.9	60.4	60.5	60.4	60.2	59.9	60.2	61.0	61.6	62.0	61.46
60.6	61.0	60.6	60.0	60.4	60.5	60.8	60.8	61.0	61.9	62.5	62.6	61.31
61.2	61.0	60.0	60.6	60.1	59.9	59.9	59.6	60.2	60.6	61.1	61.4	61.31
60.2	60.2	59.0	58.6	59.3	59.3	58.2	58.6	58.6	60.2	61.0	60.9	60.04
59.3	58.7	59.5	59.4	59.2	58.2	56.7	58.1	59.0	59.5	59.7	59.1	59.44
59.6	59.2	59.1	58.9	58.4	58.4	58.6	58.8	58.4	60.2	59.2	61.8	59.66
—	—	—	—	—	—	—	—	—	—	—	—	60.40
60.5	59.6	59.4	60.0	59.6	59.5	59.4	59.8	59.2	59.9	59.5	61.6	60.21
60.0	59.8	60.1	59.8	58.0	57.8	58.7	59.6	60.2	60.6	61.0	60.6	59.26
58.0	58.0	58.0	57.6	58.8	57.9	57.6	58.0	57.6	59.0	58.8	60.6	60.22
59.6	59.4	59.4	58.5	59.8	59.2	56.8	58.6	60.4	59.9	60.4	61.9	60.11
59.7	59.1	58.2	58.4	58.4	59.2	56.5	59.4	56.4	59.0	59.1	59.2	58.48
56.6	56.8	56.6	56.5	56.2	55.8	56.4	56.2	58.3	56.8	58.2	58.6	58.48
—	—	—	—	—	—	—	—	—	—	—	—	58.47
59.6	58.0	58.6	58.8	58.2	55.6	55.0	56.4	56.2	58.2	59.9	58.2	59.34
57.6	55.8	57.3	57.2	56.6	58.2	58.2	55.2	57.4	59.4	60.0	60.6	59.96
59.4	58.6	58.4	58.0	57.8	57.4	58.5	58.8	58.5	60.0	60.2	60.7	60.49
58.2	58.4	57.1	58.0	58.6	59.2	59.2	59.4	59.3	60.7	61.6	61.8	61.64
60.0	60.2	60.1	60.0	59.6	59.0	59.0	59.0	60.3	60.6	60.7	61.2	62.59
61.0	60.1	60.3	60.1	59.5	61.1	61.2	61.6	62.0	62.4	62.7	63.0	61.42
—	—	—	—	—	—	—	—	—	—	—	—	59.87
61.9	62.3	61.4	61.5	61.6	61.9	62.2	62.0	63.0	63.4	63.9	65.4	60.67
—	—	—	—	—	—	—	—	—	—	—	—	61.91
61.4	60.6	60.2	60.0	59.6	59.2	59.1	60.1	60.4	60.3	60.6	61.4	62.18
58.3	58.2	58.4	57.6	57.4	57.7	58.0	58.0	58.0	58.5	59.3	60.2	60.29
60.2	59.5	59.8	60.4	60.7	60.5	60.6	60.9	60.8	59.9	61.0	62.2	61.55
61.7	61.4	60.6	62.0	61.6	61.2	60.4	60.4	61.8	62.4	62.8	63.6	62.05
—	—	—	—	—	—	—	—	—	—	—	—	62.41
61.9	62.0	61.4	60.9	61.0	60.6	60.4	61.1	60.2	61.0	61.4	62.1	61.80
59.88	59.43	59.22	59.21	59.13	59.03	58.79	59.14	59.46	60.17	60.67	61.25	60.85
60.6	59.7	59.6	59.8	59.7	59.8	59.9	59.9	60.4	61.4	62.8	63.6	60.37
—	—	—	—	—	—	—	—	—	—	—	—	60.94
61.1	61.3	61.3	60.9	61.0	60.8	60.6	60.3	60.6	61.4	62.1	62.2	62.05
61.4	61.6	61.4	61.0	61.0	61.0	61.2	61.2	61.4	62.3	62.8	63.0	61.87
61.5	61.3	60.9	61.0	60.5	60.4	60.3	60.0	60.6	61.0	61.4	61.6	62.17
60.7	60.6	59.6	59.6	60.0	60.0	59.2	59.6	59.8	60.8	62.2	62.5	63.35
59.9	59.2	59.9	59.9	59.8	59.2	58.9	59.0	59.6	60.0	60.9	62.0	63.12
60.4	59.7	59.6	59.4	59.0	59.3	59.3	59.3	59.6	61.2	61.2	63.4	63.20
—	—	—	—	—	—	—	—	—	—	—	—	63.21
61.4	60.7	60.6	60.7	60.6	60.5	60.4	60.4	60.7	61.6	62.2	63.0	63.19
60.8	60.6	60.8	60.8	60.2	60.1	60.6	60.6	61.1	61.1	62.7	63.2	63.39
60.9	60.7	60.6	60.4	60.4	60.4	60.3	60.3	60.6	61.2	62.7	65.3	64.00
61.2	61.0	61.0	60.6	61.0	60.7	60.3	61.0	61.4	61.6	62.7	66.6	64.74
61.3	61.1	60.3	60.2	60.6	60.5	60.3	60.4	60.5	61.8	62.4	64.4	66.37
61.3	61.2	61.2	61.1	61.4	60.4	60.7	61.1	61.3	61.9	62.1	63.8	64.94
—	—	—	—	—	—	—	—	—	—	—	—	62.39
61.8	61.4	61.5	61.2	61.0	60.6	60.5	61.0	61.2	62.0	63.8	65.0	63.04
61.7	61.2	61.3	61.2	60.9	60.8	60.7	60.5	61.5	62.8	64.2	65.4	64.45
61.6	60.8	60.7	60.4	60.0	59.7	60.4	60.6	61.1	63.1	65.0	66.7	64.49
61.2	61.0	60.5	60.5	60.6	60.9	61.0	61.3	61.8	62.4	65.0	65.1	62.81
62.3	62.3	62.3	62.0	61.7	61.2	61.1	61.5	62.4	63.0	66.0	67.7	62.91
63.6	62.9	63.1	63.2	63.0	63.4	63.4	63.6	64.0	65.0	67.6	67.6	62.91
—	—	—	—	—	—	—	—	—	—	—	—	62.91
62.5	62.7	62.3	62.1	62.1	62.4	62.8	62.7	63.4	64.1	64.4	65.8	62.91
—	—	—	—	—	—	—	—	—	—	—	—	62.91
61.8	61.6	61.3	61.2	61.0	60.9	60.9	60.8	61.0	61.6	61.4	64.1	62.91
61.6	61.6	61.5	61.4	61.4	61.2	61.4	61.4	61.8	63.2	64.8	65.3	62.91
62.4	62.2	62.2	62.1	62.2	62.0	62.1	62.0	62.7	64.2	65.8	65.2	62.91
63.0	62.9	62.6	62.8	62.0	62.0	62.0	62.2	63.0	62.9	63.9	65.0	62.91
—	—	—	—	—	—	—	—	—	—	—	—	62.91
62.2	62.1	61.6	61.1	61.2	61.0	60.6	61.4	60.4	61.6	61.7	62.4	62.91
61.53	61.26	61.11	60.98	60.89	60.77	60.76	60.88	61.28	62.13	63.27	64.39	62.91

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 St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10	
Humidity of the Air.	JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	
		2	82	93	89	95	93	91	93	94	94	96	96	96
		3	82	75	76	72	68	75	83	86	88	90	89	90
		4	75	77	74	76	67	72	76	84	81	85	91	87
		5	85	93	90	89	79	82	88	82	84	88	90	91
		6	75	66	62	74	74	78	86	84	82	86	87	88
		7	74	71	66	75	72	74	74	76	83	82	84	87
		8	—	—	—	—	—	—	—	—	—	—	—	—
		9	91	74	61	63	62	75	73	82	84	86	89	89
		10	71	72	70	70	73	74	78	80	86	89	88	88
		11	79	74	65	76	79	79	84	84	89	90	91	91
		12	72	62	67	65	59	67	79	86	84	89	91	90
		13	66	73	72	73	73	78	82	86	88	91	94	94
		14	79	79	78	77	80	79	83	87	88	95	89	90
		15	—	—	—	—	—	—	—	—	—	—	—	—
		16	72	72	72	72	74	77	80	85	84	84	88	89
		17	78	64	72	70	73	75	75	82	86	86	87	89
		18	72	71	75	75	75	66	73	78	82	82	86	88
		19	74	67	73	76	69	75	75	80	82	85	86	87
		20	84	81	77	78	84	84	88	86	89	91	93	90
		21	76	72	81	86	83	81	85	86	89	93	93	89
		22	—	—	—	—	—	—	—	—	—	—	—	—
		23	77	72	74	75	78	78	77	82	84	86	89	88
		24	69	65	66	64	65	66	71	72	78	82	85	86
		25	72	71	67	65	68	75	78	80	85	87	86	86
		26	72	72	65	69	70	74	74	80	82	85	87	88
		27	73	73	68	70	74	75	75	78	83	87	93	89
		28	72	62	60	63	66	72	75	80	85	87	88	89
		29	—	—	—	—	—	—	—	—	—	—	—	—
		30	69	77	58	61	70	80	83	85	87	86	85	86
		31	73	68	63	69	76	73	89	89	88	92	94	90
Hourly Means		76	73	71	73	73	76	80	83	85	88	89	89	
Tension of the Vapour.	JANUARY.	1	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
		2	·518	·551	·548	·552	·547	·531	·530	·527	·515	·533	·518	·520
		3	·509	·497	·522	·487	·451	·501	·518	·501	·506	·507	·494	·495
		4	·486	·493	·471	·489	·460	·489	·480	·482	·457	·474	·495	·485
		5	·513	·534	·507	·522	·501	·501	·506	·463	·465	·483	·492	·502
		6	·458	·453	·451	·480	·480	·481	·501	·485	·461	·485	·485	·494
		7	·475	·476	·472	·505	·480	·480	·480	·473	·466	·444	·446	·465
		8	—	—	—	—	—	—	—	—	—	—	—	—
		9	·520	·498	·451	·451	·454	·505	·494	·505	·497	·497	·514	·509
		10	·472	·491	·486	·494	·504	·485	·498	·494	·501	·514	·511	·511
		11	·528	·506	·519	·507	·528	·519	·531	·514	·526	·524	·539	·524
		12	·508	·455	·500	·492	·450	·479	·524	·531	·502	·522	·540	·520
		13	·523	·527	·524	·527	·527	·526	·526	·526	·523	·528	·545	·545
		14	·528	·532	·530	·532	·535	·532	·520	·526	·515	·544	·514	·516
		15	—	—	—	—	—	—	—	—	—	—	—	—
		16	·522	·519	·514	·499	·498	·506	·514	·513	·485	·485	·515	·518
		17	·522	·461	·510	·503	·487	·497	·501	·492	·509	·500	·492	·505
		18	·510	·506	·509	·498	·505	·466	·500	·498	·490	·479	·497	·506
		19	·502	·496	·513	·516	·501	·505	·492	·502	·482	·493	·497	·500
		20	·546	·549	·527	·522	·543	·531	·549	·523	·535	·539	·540	·539
		21	·524	·529	·536	·544	·546	·536	·522	·518	·526	·551	·543	·522
		22	—	—	—	—	—	—	—	—	—	—	—	—
		23	·547	·522	·531	·536	·526	·517	·488	·501	·502	·510	·518	·499
		24	·502	·467	·476	·445	·482	·493	·480	·480	·490	·490	·500	·501
		25	·504	·530	·530	·509	·514	·538	·526	·514	·526	·531	·518	·510
		26	·514	·495	·475	·521	·494	·502	·494	·492	·505	·517	·526	·528
		27	·492	·517	·502	·512	·531	·524	·532	·513	·516	·518	·557	·539
		28	·524	·477	·488	·493	·498	·512	·509	·535	·539	·543	·540	·543
		29	—	—	—	—	—	—	—	—	—	—	—	—
		30	·505	·527	·458	·480	·517	·551	·544	·547	·534	·514	·500	·510
		31	·500	·489	·472	·501	·550	·517	·567	·543	·536	·548	·549	·539
Hourly Means		·510	·504	·501	·505	·504	·509	·512	·508	·504	·511	·515	·513	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	—
96	91	96	92	95	91	95	94	96	95	92	90	93
85	89	89	91	90	91	91	90	90	82	87	86	85
89	88	89	92	97	83	82	89	92	92	90	91	84
91	91	87	89	91	91	91	87	89	87	89	84	88
90	90	87	89	90	91	92	83	75	79	89	81	82
87	—	—	—	—	—	—	—	—	—	—	—	—
—	88	84	79	90	88	78	78	93	91	87	78	81
90	85	89	76	89	87	74	73	77	82	71	80	79
88	85	86	87	90	93	93	93	93	91	88	87	84
90	91	93	87	81	80	82	91	78	81	82	69	83
91	93	93	91	96	95	91	93	91	84	76	75	83
94	93	93	93	91	91	89	93	95	90	87	84	86
91	—	—	—	—	—	—	—	—	—	—	—	—
—	89	89	88	90	89	89	89	89	88	84	75	86
90	91	91	91	88	92	85	92	93	90	89	88	84
90	91	91	91	91	93	93	91	85	85	81	81	83
89	93	91	91	90	91	91	91	91	91	87	79	83
88	88	89	90	90	90	91	90	91	91	93	92	84
93	90	88	95	93	91	91	90	86	82	82	85	87
93	—	—	—	—	—	—	—	—	—	—	—	—
—	96	88	93	89	93	95	91	88	86	82	70	87
88	90	91	91	93	90	91	93	90	82	84	73	84
88	88	93	88	90	90	91	91	91	86	81	77	80
88	87	87	88	89	88	89	89	84	79	73	75	81
89	91	89	91	90	90	90	89	88	87	84	82	82
89	92	91	91	90	91	91	90	92	91	87	75	84
91	—	—	—	—	—	—	—	—	—	—	—	—
—	94	93	93	94	88	85	86	79	80	77	73	81
83	80	81	88	87	87	89	93	91	86	80	67	81
93	96	94	95	93	95	91	94	89	81	79	83	85
90	90	90	90	91	90	89	89	88	86	84	80	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·516	·495	·499	·490	·507	·483	·499	·496	·503	·518	·502	·516	·517
·484	·474	·470	·487	·476	·479	·479	·476	·476	·448	·465	·494	·487
·478	·471	·474	·498	·491	·439	·433	·478	·482	·494	·507	·499	·479
·495	·475	·456	·463	·483	·487	·476	·443	·482	·489	·490	·493	·488
·507	·507	·461	·461	·484	·491	·504	·436	·415	·465	·491	·485	·476
·469	—	—	—	—	—	—	—	—	—	—	—	—
—	·491	·454	·431	·492	·483	·427	·434	·507	·510	·458	·494	·471
·511	·478	·515	·427	·505	·482	·408	·406	·446	·487	·460	·489	·479
·506	·488	·489	·500	·520	·532	·532	·532	·539	·540	·536	·531	·509
·524	·531	·524	·457	·461	·458	·502	·523	·446	·488	·522	·456	·507
·527	·530	·522	·510	·537	·527	·507	·513	·523	·519	·503	·515	·511
·541	·536	·530	·530	·510	·510	·490	·513	·527	·524	·527	·534	·526
·519	—	—	—	—	—	—	—	—	—	—	—	—
—	·502	·497	·487	·499	·482	·486	·490	·497	·502	·517	·497	·513
·520	·510	·496	·496	·510	·498	·488	·502	·513	·524	·535	·536	·509
·511	·510	·507	·507	·502	·510	·515	·499	·493	·509	·511	·523	·503
·514	·530	·514	·510	·499	·502	·507	·502	·499	·510	·526	·519	·504
·499	·502	·502	·504	·507	·514	·514	·511	·524	·507	·547	·553	·508
·543	·516	·502	·548	·530	·523	·519	·516	·494	·490	·526	·543	·529
·543	—	—	—	—	—	—	—	—	—	—	—	—
—	·563	·500	·545	·505	·522	·539	·514	·500	·510	·522	·490	·527
·497	·511	·523	·523	·522	·504	·514	·522	·524	·509	·513	·500	·515
·506	·500	·504	·494	·504	·504	·514	·519	·531	·518	·515	·510	·497
·513	·509	·504	·497	·505	·502	·505	·509	·497	·488	·500	·509	·512
·526	·539	·535	·537	·528	·520	·524	·514	·519	·531	·520	·526	·516
·539	·544	·541	·541	·524	·539	·540	·528	·544	·550	·551	·502	·529
·541	—	—	—	—	—	—	—	—	—	—	—	—
—	·562	·547	·543	·549	·500	·488	·506	·469	·477	·483	·500	·515
·490	·526	·473	·509	·504	·504	·549	·551	·550	·531	·514	·455	·514
·547	·552	·545	·548	·539	·552	·527	·545	·515	·488	·524	·553	·531
·514	·514	·503	·502	·507	·503	·500	·499	·501	·505	·510	·509	·507



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 St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	FEBRUARY.	1	80	71	80	73	77	77	76	86	88	87	88	91	
		2	81	77	69	64	61	67	78	81	84	86	87	87	
		3	72	69	72	75	72	73	68	80	84	86	87	87	
		4	76	66	65	65	70	71	81	85	86	86	88	88	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	92	87	85	83	77	83	85	89	92	91	91	91	92
		7	92	89	85	81	84	85	89	89	93	82	92	91	91
		8	82	85	76	71	73	79	77	84	87	88	91	92	92
		9	68	72	72	74	78	78	86	82	87	87	88	86	86
		10	65	72	57	57	59	59	72	76	80	81	85	86	86
		11	72	68	71	68	72	69	80	85	86	86	87	85	85
		12	—	—	—	—	—	—	—	—	—	—	—	—	—
		13	65	64	63	62	66	72	70	77	84	85	86	88	88
		14	96	97	89	92	96	96	95	95	95	96	98	98	98
		15	81	83	84	80	81	80	81	83	88	88	89	88	88
		16	74	78	76	75	80	84	85	88	91	91	91	88	88
		17	78	65	70	65	68	68	72	85	88	89	92	93	93
		18	73	73	64	60	70	72	76	84	86	88	88	91	91
		19	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	64	54	54	57	56	59	64	70	78	82	85	80	80
		21	81	63	61	62	64	64	67	74	79	77	79	83	83
		22	60	59	61	69	65	69	70	73	78	77	79	82	82
		23	67	60	63	61	61	65	72	78	80	82	80	85	85
		24	81	80	82	81	92	95	95	93	93	92	89	92	92
		25	82	79	76	76	86	82	86	93	95	97	97	98	98
		26	—	—	—	—	—	—	—	—	—	—	—	—	—
		27	89	98	99	98	99	97	96	98	94	96	97	99	99
		28	89	85	81	82	86	87	86	86	86	87	85	87	87
		Hourly Means		78	75	73	72	75	76	79	84	87	87	88	89
Tension of the Vapour.	FEBRUARY.	1	.546	.530	.551	.527	.538	.524	.507	.535	.536	.517	.523	.537	
		2	.497	.526	.524	.482	.488	.505	.530	.532	.523	.527	.521	.517	
		3	.514	.512	.529	.532	.531	.523	.502	.505	.510	.514	.513	.513	
		4	.536	.503	.493	.507	.530	.520	.532	.539	.531	.527	.536	.536	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	.589	.567	.577	.580	.543	.567	.558	.561	.561	.545	.545	.553	
		7	.604	.594	.582	.564	.564	.563	.556	.552	.560	.544	.544	.540	
		8	.564	.555	.529	.526	.528	.528	.492	.523	.527	.532	.541	.557	
		9	.502	.504	.510	.511	.513	.517	.531	.501	.513	.509	.513	.497	
		10	.468	.506	.439	.452	.453	.445	.508	.507	.502	.485	.505	.510	
		11	.519	.512	.535	.507	.535	.524	.524	.539	.531	.527	.518	.509	
		12	—	—	—	—	—	—	—	—	—	—	—	—	
		13	.471	.462	.488	.468	.481	.492	.490	.492	.497	.505	.497	.513	
		14	.602	.609	.586	.604	.579	.556	.561	.561	.552	.546	.558	.569	
		15	.546	.553	.564	.546	.570	.551	.549	.544	.534	.532	.535	.523	
		16	.502	.537	.536	.533	.542	.560	.544	.549	.545	.550	.545	.526	
		17	.540	.492	.507	.501	.521	.507	.499	.551	.549	.539	.558	.569	
		18	.533	.540	.488	.463	.540	.512	.516	.551	.531	.545	.536	.545	
		19	—	—	—	—	—	—	—	—	—	—	—	—	
		20	.467	.433	.433	.464	.446	.458	.480	.472	.498	.509	.526	.494	
		21	.526	.504	.483	.479	.504	.476	.479	.506	.498	.464	.453	.490	
		22	.455	.453	.476	.524	.501	.521	.499	.496	.498	.492	.490	.505	
		23	.463	.465	.478	.499	.489	.509	.522	.530	.535	.535	.502	.539	
		24	.591	.603	.624	.629	.675	.653	.627	.592	.574	.557	.548	.558	
		25	.584	.593	.575	.580	.628	.608	.610	.609	.614	.619	.623	.627	
		26	—	—	—	—	—	—	—	—	—	—	—	—	
		27	.649	.621	.631	.623	.625	.619	.597	.596	.576	.588	.588	.594	
		28	.594	.589	.555	.573	.566	.561	.548	.543	.532	.521	.505	.517	
		Hourly Means		.536	.532	.529	.528	.537	.533	.532	.537	.535	.530	.530	.535

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.
11	12	13	14	15	16	17	18	19	20	21	22	
92	91	94	86	86	86	91	89	95	96	93	87	86
88	91	90	89	88	88	89	89	93	89	82	70	82
84	86	86	82	88	88	91	89	84	76	77	68	80
—	—	—	—	—	—	—	—	—	—	—	—	84
89	92	91	92	92	93	91	91	93	93	91	91	91
94	92	92	95	94	98	98	96	94	96	94	94	91
92	93	91	93	93	93	94	93	93	91	89	87	90
89	91	92	93	93	93	91	82	88	83	68	62	84
84	86	87	87	88	88	89	90	89	84	76	67	82
86	85	86	86	96	85	87	93	88	91	88	86	79
—	—	—	—	—	—	—	—	—	—	—	—	79
86	86	83	84	81	83	78	73	86	80	75	67	82
88	89	88	89	81	90	91	95	95	95	96	92	82
97	96	97	96	96	95	95	93	93	93	92	87	95
87	93	93	91	91	90	90	91	90	84	73	77	86
92	93	90	91	90	91	97	97	91	89	80	76	87
92	95	94	94	92	89	88	89	89	92	83	77	84
—	—	—	—	—	—	—	—	—	—	—	—	77
88	86	80	77	84	79	72	67	67	78	72	68	75
82	81	81	85	88	87	90	89	88	80	69	67	76
83	84	84	86	88	86	79	81	80	69	68	71	77
82	82	84	84	84	87	86	90	87	84	76	69	78
89	86	84	81	88	91	91	85	84	81	77	80	88
87	88	88	93	84	84	84	89	94	83	80	83	88
—	—	—	—	—	—	—	—	—	—	—	—	93
97	99	99	99	99	99	100	100	100	99	100	100	97
98	97	97	96	98	98	97	99	96	98	99	91	86
88	83	85	86	87	89	94	84	90	96	88	71	86
89	89	89	89	90	90	90	90	90	87	83	79	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·544	·540	·549	·494	·501	·497	·524	·514	·535	·567	·569	·558	·532
·519	·540	·533	·522	·509	·500	·509	·514	·543	·531	·522	·486	·517
·482	·494	·494	·471	·511	·504	·519	·509	·482	·461	·506	·472	·504
·539	—	—	—	—	—	—	—	—	—	—	—	·536
—	·553	·540	·544	·544	·556	·539	·540	·553	·530	·558	·581	·561
·562	·544	·544	·561	·565	·585	·567	·558	·528	·550	·553	·594	·555
·544	·547	·539	·543	·539	·539	·549	·547	·551	·545	·553	·558	·525
·535	·537	·544	·547	·539	·543	·539	·479	·528	·516	·448	·431	·502
·488	·494	·497	·500	·497	·506	·514	·499	·474	·487	·497	·468	·497
·510	·496	·506	·497	·495	·470	·492	·539	·494	·541	·536	·566	·494
·514	—	—	—	—	—	—	—	—	—	—	—	·514
—	·494	·462	·478	·457	·462	·435	·406	·482	·466	·456	·451	·564
·519	·526	·523	·522	·480	·524	·523	·556	·561	·569	·592	·589	·531
·567	·552	·563	·558	·556	·552	·548	·534	·543	·556	·558	·558	·538
·509	·547	·543	·539	·520	·507	·499	·511	·516	·510	·483	·510	·536
·540	·547	·524	·531	·524	·539	·563	·523	·531	·535	·518	·524	·538
·561	·579	·571	·566	·548	·531	·547	·526	·539	·561	·528	·527	·496
·521	—	—	—	—	—	—	—	—	—	—	—	·494
—	·514	·474	·448	·487	·461	·426	·399	·410	·490	·493	·479	·490
·492	·485	·488	·500	·519	·509	·528	·531	·536	·519	·469	·492	·487
·499	·502	·502	·506	·517	·497	·461	·477	·485	·432	·448	·493	·501
·507	·497	·506	·510	·513	·509	·497	·537	·526	·523	·499	·488	·522
·567	·535	·507	·485	·549	·568	·563	·530	·527	·519	·541	·570	·564
·526	·530	·536	·490	·497	·502	·506	·539	·571	·518	·535	·562	·621
·619	—	—	—	—	—	—	—	—	—	—	—	·594
—	·641	·641	·646	·631	·636	·630	·630	·634	·636	·644	·639	·525
·601	·585	·576	·581	·556	·578	·576	·580	·567	·569	·571	·610	·525
·515	·482	·488	·493	·500	·505	·507	·461	·516	·510	·532	·476	·529
·533	·532	·527	·522	·523	·524	·523	·518	·526	·527	·525	·528	·529

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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	MARCH.	1	65	67	69	77	73	80	79	84	91	86	89	92	
		2	84	86	81	80	85	87	94	93	94	93	94	94	
		3	85	85	92	87	93	90	90	93	97	96	98	95	
		4	92	86	92	86	87	77	76	82	86	82	77	78	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	91	90	85	75	72	81	82	81	86	85	86	80	
		7	81	78	85	72	76	70	83	86	90	92	92	94	
		8	96	94	94	93	89	91	87	91	96	94	97	98	
		9	99	98	99	98	98	98	98	98	98	96	95	93	94
		10	96	93	89	92	90	91	90	95	98	94	89	93	
		11	89	81	84	86	86	90	96	96	97	99	98	99	
		12	—	—	—	—	—	—	—	—	—	—	—	—	
		13	88	83	83	82	85	86	87	89	88	91	93	93	
		14	85	90	83	82	89	87	87	87	88	89	89	92	
		15	87	80	80	77	81	76	84	83	84	85	84	85	
		16	81	86	77	75	75	72	73	86	83	84	86	88	
		17	75	76	74	68	73	74	77	83	84	85	84	85	
		18	67	67	63	64	58	65	71	76	81	83	84	79	
		19	—	—	—	—	—	—	—	—	—	—	—	—	
		20	96	93	90	92	89	90	90	93	92	92	92	94	
		21	87	89	87	84	84	81	89	86	88	89	92	94	
		22	79	87	88	91	96	100	98	93	88	88	90	88	
		23	80	80	79	80	78	80	85	87	88	86	86	89	
		24	87	86	90	94	84	84	86	87	89	90	91	90	
		25	88	82	70	85	88	80	85	88	88	89	84	87	
		26	—	—	—	—	—	—	—	—	—	—	—	—	
		27	90	87	86	85	72	76	73	89	92	92	92	93	
		28	91	89	92	91	96	92	89	93	94	93	94	92	
		29	96	94	94	93	94	96	98	99	98	99	99	99	
		30	96	92	91	89	92	87	98	94	98	97	97	96	
		31	90	86	88	81	84	89	89	90	93	93	94	92	
Hourly Means		87	85	84	84	84	84	86	89	91	90	91	91		
Tension of the Vapour.	MARCH.	1	In. .463	In. .492	In. .515	In. .545	In. .533	In. .544	In. .519	In. .523	In. .545	In. .514	In. .535	In. .541	
		2	.564	.580	.555	.570	.567	.567	.585	.574	.566	.551	.558	.558	
		3	.563	.560	.577	.576	.597	.584	.575	.560	.581	.567	.565	.552	
		4	.553	.548	.571	.552	.556	.510	.490	.492	.510	.473	.448	.442	
		5	—	—	—	—	—	—	—	—	—	—	—	—	
		6	.586	.599	.560	.542	.529	.555	.539	.511	.527	.522	.514	.482	
		7	.570	.541	.560	.532	.551	.524	.558	.557	.566	.580	.575	.585	
		8	.625	.622	.622	.607	.605	.601	.565	.568	.588	.580	.588	.596	
		9	.631	.621	.623	.616	.601	.592	.594	.581	.569	.569	.556	.549	
		10	.583	.587	.599	.599	.575	.577	.550	.569	.550	.549	.531	.551	
		11	.604	.592	.597	.585	.590	.594	.592	.583	.581	.594	.583	.580	
		12	—	—	—	—	—	—	—	—	—	—	—	—	
		13	.584	.567	.567	.574	.572	.566	.561	.548	.536	.545	.560	.556	
		14	.577	.589	.577	.564	.576	.556	.547	.534	.530	.535	.531	.544	
		15	.543	.518	.518	.519	.554	.510	.528	.520	.510	.505	.493	.496	
		16	.555	.532	.532	.538	.505	.499	.500	.519	.511	.519	.527	.536	
		17	.498	.545	.536	.535	.531	.519	.519	.524	.503	.513	.490	.505	
		18	.492	.496	.473	.493	.439	.479	.493	.503	.515	.516	.514	.484	
		19	—	—	—	—	—	—	—	—	—	—	—	—	
		20	.576	.612	.608	.584	.579	.566	.556	.564	.553	.544	.548	.558	
		21	.547	.565	.562	.569	.560	.536	.551	.531	.543	.539	.553	.562	
		22	.553	.581	.617	.577	.558	.561	.556	.543	.506	.511	.524	.506	
		23	.522	.535	.530	.537	.517	.527	.530	.521	.515	.497	.497	.485	
		24	.547	.540	.579	.576	.544	.540	.531	.517	.558	.516	.523	.516	
		25	.549	.539	.528	.526	.545	.498	.522	.517	.509	.518	.482	.497	
		26	—	—	—	—	—	—	—	—	—	—	—	—	
		27	.622	.604	.575	.589	.514	.527	.496	.572	.575	.566	.561	.569	
		28	.604	.574	.584	.586	.607	.575	.548	.560	.558	.556	.562	.548	
		29	.592	.604	.604	.602	.604	.602	.592	.598	.606	.608	.603	.603	
		30	.625	.613	.610	.605	.614	.591	.589	.589	.604	.590	.588	.592	
		31	.579	.575	.596	.549	.579	.586	.572	.570	.587	.578	.580	.553	
Hourly Means		.567	.568	.569	.565	.559	.551	.547	.546	.548	.543	.540	.539		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
90	91	93	93	91	94	93	95	94	94	89	84	86
94	95	96	98	94	93	95	96	95	94	95	93	92
98	98	98	98	98	96	96	95	98	98	95	94	94
—	—	—	—	—	—	—	—	—	—	—	—	87
77	92	93	90	89	93	87	89	88	87	96	94	87
80	87	92	88	78	84	85	77	93	92	80	87	84
94	96	98	98	98	98	98	98	98	98	98	98	90
98	98	98	99	98	98	99	99	99	98	99	98	96
96	88	96	91	95	90	92	94	89	97	98	88	95
95	95	96	95	95	95	84	81	90	89	90	89	92
—	—	—	—	—	—	—	—	—	—	—	—	94
99	98	97	89	98	96	95	98	98	94	93	94	89
93	93	93	94	95	91	95	96	94	88	89	78	89
92	92	93	93	93	94	91	91	89	84	85	89	89
86	85	85	87	85	86	88	89	88	81	83	75	84
86	88	89	90	91	90	89	91	90	88	84	78	84
86	86	87	87	88	89	90	90	86	82	79	81	82
—	—	—	—	—	—	—	—	—	—	—	—	83
86	95	89	91	93	95	95	95	98	98	98	98	94
95	94	96	96	98	98	98	98	98	98	96	92	88
93	89	89	93	90	90	87	88	89	87	86	84	89
90	88	87	89	88	89	88	88	88	84	82	82	87
88	89	94	91	95	91	90	93	93	93	86	90	87
89	88	90	95	95	95	91	91	90	90	96	94	90
—	—	—	—	—	—	—	—	—	—	—	—	89
88	95	96	93	93	93	95	96	97	97	93	94	91
94	94	94	94	93	97	98	98	98	94	96	96	92
94	91	91	90	91	93	91	91	98	91	92	92	97
99	99	99	98	98	99	99	99	99	99	98	94	94
92	92	93	95	97	96	98	98	94	96	96	88	94
93	93	93	93	94	93	93	90	91	87	90	86	90
91	92	93	93	93	93	93	93	93	92	91	89	90
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·537	·541	·556	·551	·531	·519	·522	·535	·541	·566	·563	·560	·533
·558	·569	·567	·558	·552	·539	·548	·544	·548	·556	·574	·592	·563
·569	·565	·546	·552	·556	·552	·556	·544	·546	·563	·569	·558	·564
·444	—	—	—	—	—	—	—	—	—	—	—	·524
—	·544	·556	·533	·526	·551	·497	·522	·530	·547	·592	·585	·525
·482	·527	·544	·493	·458	·490	·505	·453	·534	·554	·514	·567	·571
·576	·571	·571	·571	·576	·573	·583	·578	·587	·587	·613	·606	·597
·594	·590	·592	·594	·592	·592	·594	·594	·598	·601	·618	·604	·566
·576	·506	·561	·524	·556	·520	·556	·532	·485	·552	·569	·547	·556
·565	·561	·556	·556	·552	·552	·488	·461	·528	·548	·570	·586	·583
·589	—	—	—	—	—	—	—	—	—	—	—	·579
—	·585	·576	·565	·576	·571	·561	·578	·587	·574	·574	·579	·556
·556	·547	·543	·549	·556	·531	·561	·563	·558	·536	·567	·530	·548
·544	·544	·551	·547	·547	·549	·531	·540	·535	·519	·534	·553	·511
·497	·488	·488	·500	·486	·489	·492	·514	·521	·518	·536	·522	·523
·510	·523	·526	·537	·531	·524	·509	·524	·528	·528	·519	·522	·518
·510	·506	·513	·513	·509	·522	·528	·528	·518	·522	·519	·536	·522
·523	—	—	—	—	—	—	—	—	—	—	—	·570
—	·565	·522	·531	·556	·565	·565	·561	·565	·560	·569	·541	·541
·569	·562	·569	·569	·569	·558	·578	·583	·569	·573	·575	·545	·541
·551	·518	·514	·534	·524	·524	·500	·515	·535	·535	·557	·553	·526
·520	·500	·497	·505	·499	·497	·491	·494	·506	·493	·505	·518	·521
·511	·518	·536	·528	·535	·514	·504	·515	·522	·509	·541	·566	·529
·502	·499	·511	·522	·514	·522	·510	·507	·516	·533	·535	·545	·537
·506	—	—	—	—	—	—	—	—	—	—	—	·565
—	·539	·550	·536	·536	·536	·544	·558	·571	·585	·597	·609	·557
·562	·558	·558	·561	·553	·567	·573	·565	·573	·561	·576	·588	·603
·553	·540	·531	·524	·527	·539	·527	·531	·543	·539	·554	·589	·585
·603	·598	·608	·598	·592	·608	·598	·594	·598	·608	·609	·627	·565
·561	·557	·564	·574	·576	·569	·576	·576	·562	·579	·588	·535	·541
·551	·551	·556	·556	·562	·560	·551	·537	·557	·543	·575	·546	·550
·541	·543	·547	·544	·543	·542	·539	·539	·547	·551	·563	·563	·550

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 St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10	
Humidity of the Air.	APRIL.	1	86	81	81	80	78	80	81	84	87	88	88	88
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	73	70	72	69	67	75	78	82	82	84	88	88
		4	81	80	83	83	87	84	86	86	87	85	88	89
		5	97	96	96	93	97	97	94	96	94	95	96	96
		6	100	98	98	98	98	97	98	97	94	96	94	94
		7	80	75	76	77	85	80	80	77	84	87	82	84
		8	72	78	76	72	73	77	80	83	87	82	85	85
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	86	85	87	90	90	91	92	94	94	95	96	94
		11	83	82	77	85	84	85	89	85	86	89	88	88
		12	76	74	72	76	77	74	79	85	82	85	86	84
		13	80	78	78	81	78	81	84	86	90	92	92	91
		14	87	85	81	81	81	84	84	86	88	91	92	94
		15	90	88	86	87	83	83	87	88	89	89	91	85
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	85	78	79	81	80	77	83	84	85	87	88	87
		18	78	80	77	76	78	80	82	82	84	85	86	86
		19	68	73	72	78	78	74	74	75	79	82	85	84
		20	82	73	68	69	73	76	82	82	79	81	82	86
		21	68	68	74	80	71	77	79	80	81	87	85	84
		22	86	77	82	69	71	83	88	89	90	91	87	79
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	73	70	68	74	73	77	80	80	80	81	84	81
		25	69	65	66	65	70	74	70	82	82	73	80	77
		26	67	67	67	69	84	77	79	84	75	76	78	82
		27	65	73	70	76	76	87	88	86	89	85	85	85
		28	79	92	79	77	79	80	76	84	84	75	73	75
		29	78	78	78	78	77	76	82	88	86	85	79	82
		30	—	—	—	—	—	—	—	—	—	—	—	—
		Hourly Means		80	79	78	79	80	81	83	85	86	86	86
Tension of the Vapour.	APRIL.	1	In. .566	In. .558	In. .563	In. .551	In. .532	In. .535	In. .532	In. .524	In. .527	In. .521	In. .523	In. .519
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	.468	.463	.495	.477	.468	.522	.513	.505	.490	.493	.515	.515
		4	.528	.546	.553	.539	.558	.536	.535	.527	.530	.513	.536	.543
		5	.607	.597	.612	.597	.581	.583	.566	.574	.562	.569	.571	.567
		6	.603	.611	.616	.596	.600	.600	.587	.581	.558	.558	.553	.549
		7	.528	.514	.532	.527	.560	.535	.502	.468	.497	.513	.473	.482
		8	.501	.530	.520	.506	.504	.514	.511	.516	.531	.497	.513	.513
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	.575	.585	.596	.604	.594	.596	.584	.585	.580	.579	.583	.571
		11	.562	.564	.546	.577	.560	.560	.556	.526	.523	.543	.528	.532
		12	.502	.485	.484	.511	.514	.477	.490	.513	.482	.485	.489	.478
		13	.546	.555	.560	.560	.565	.555	.551	.548	.561	.558	.571	.550
		14	.574	.564	.549	.555	.554	.558	.540	.527	.536	.545	.561	.571
		15	.584	.584	.580	.567	.567	.571	.558	.538	.539	.535	.545	.505
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	.557	.546	.533	.542	.544	.527	.528	.519	.505	.513	.511	.500
		18	.505	.518	.502	.520	.505	.518	.514	.494	.493	.505	.510	.510
		19	.467	.487	.487	.517	.513	.485	.463	.454	.484	.490	.500	.487
		20	.509	.477	.454	.471	.479	.489	.503	.477	.457	.465	.475	.494
		21	.451	.458	.506	.518	.455	.483	.473	.476	.473	.500	.485	.474
		22	.531	.506	.523	.477	.478	.524	.528	.522	.528	.531	.497	.450
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	.475	.472	.467	.481	.472	.483	.485	.474	.450	.469	.478	.473
		25	.445	.428	.438	.428	.459	.468	.430	.490	.473	.475	.466	.444
		26	.439	.440	.440	.453	.514	.479	.484	.479	.438	.445	.462	.487
		27	.489	.517	.507	.522	.516	.543	.538	.518	.539	.513	.509	.505
		28	.526	.568	.519	.479	.502	.507	.488	.485	.475	.425	.425	.434
		29	.505	.526	.496	.517	.519	.485	.497	.513	.497	.500	.461	.482
		30	—	—	—	—	—	—	—	—	—	—	—	—
		Hourly Means		.522	.524	.523	.524	.525	.525	.518	.513	.509	.510	.510

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.	
11	12	13	14	15	16	17	18	19	20	21	22		
—	—	—	—	—	—	—	—	—	—	—	—	} 81	
88	79	80	76	78	84	80	84	72	77	82	67		
88	87	88	87	90	90	91	91	91	94	84	86		} 83
92	90	91	88	92	90	93	88	96	88	96	96		
95	93	91	94	98	98	95	98	94	96	98	97		} 88
92	93	93	91	94	90	93	93	98	95	88	87		
84	78	82	82	82	77	78	86	79	82	80	79		} 81
—	—	—	—	—	—	—	—	—	—	—	—		
81	95	94	93	96	94	94	94	94	90	92	90		} 86
94	91	94	93	95	89	92	94	91	87	87	93		
92	93	92	88	89	88	89	85	86	88	76	78	} 86	
83	83	84	82	84	85	86	85	88	86	83	81		
92	92	93	93	92	94	93	93	85	88	91	89	} 88	
94	94	95	94	94	94	94	94	94	94	91	90		
—	—	—	—	—	—	—	—	—	—	—	—	} 85	
85	85	81	82	86	82	77	84	78	88	86	87		
89	88	88	85	85	84	87	87	85	82	79	80		} 84
87	85	84	84	76	78	73	71	72	75	78	69		
79	86	86	86	84	75	76	71	72	75	80	76		} 78
90	86	85	83	82	88	82	77	75	70	71	64		
85	76	79	82	93	89	87	90	94	90	85	82		} 82
—	—	—	—	—	—	—	—	—	—	—	—		
78	83	86	87	79	77	75	79	75	79	80	76		} 81
82	75	71	70	71	70	76	72	73	76	70	70		
75	72	73	74	70	71	73	76	76	72	72	71	} 73	
70	76	70	82	79	87	81	79	76	72	70	76		
88	88	88	85	77	72	72	81	80	81	76	74	} 80	
81	77	77	85	80	89	91	95	91	88	87	83		
79	—	—	—	—	—	—	—	—	—	—	—	} 81	
—	86	88	87	86	88	89	84	83	70	71	67		
86	85	85	85	85	85	85	85	84	83	82	80	83	
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
·511	—	—	—	—	—	—	—	—	—	—	—	} ·498	
—	·465	·458	·437	·446	·475	·454	·474	·414	·448	·503	·412		
·519	·513	·513	·500	·528	·516	·519	·510	·516	·519	·530	·548		} ·507
·544	·537	·545	·519	·544	·537	·526	·539	·567	·548	·576	·579		
·565	·543	·531	·549	·567	·558	·556	·567	·549	·567	·578	·585		} ·571
·549	·543	·539	·527	·541	·520	·539	·547	·567	·528	·536	·553		
·485	·446	·463	·465	·475	·437	·453	·486	·458	·485	·518	·532		} ·493
·480	—	—	—	—	—	—	—	—	—	—	—		
—	·569	·553	·551	·556	·553	·545	·556	·558	·557	·568	·584		} ·533
·566	·541	·562	·547	·574	·526	·544	·558	·544	·526	·551	·602		
·553	·551	·537	·515	·514	·502	·505	·489	·497	·509	·501	·479	} ·530	
·467	·462	·470	·455	·470	·485	·485	·481	·511	·514	·535	·559		
·561	·561	·569	·560	·548	·562	·556	·556	·509	·547	·568	·572	} ·556	
·571	·566	·569	·558	·562	·558	·553	·553	·562	·566	·563	·566		
·496	—	—	—	—	—	—	—	—	—	—	—	} ·526	
—	·496	·477	·479	·497	·482	·444	·487	·458	·534	·544	·562		
·518	·504	·500	·481	·482	·481	·485	·485	·489	·494	·493	·506		} ·510
·517	·496	·482	·478	·434	·446	·411	·401	·407	·442	·498	·456		
·465	·501	·497	·497	·482	·425	·437	·409	·416	·450	·462	·449		} ·472
·485	·486	·477	·463	·459	·489	·455	·431	·419	·406	·430	·412		
·477	·429	·445	·467	·510	·486	·481	·507	·507	·511	·513	·518		} ·484
·454	—	—	—	—	—	—	—	—	—	—	—		
—	·466	·478	·497	·453	·440	·423	·450	·431	·473	·501	·475		} ·485
·475	·425	·405	·398	·401	·394	·426	·403	·411	·437	·421	·442		
·431	·412	·421	·427	·394	·405	·417	·433	·440	·416	·424	·440	} ·438	
·413	·449	·417	·482	·465	·509	·473	·453	·445	·435	·451	·507		
·523	·513	·519	·488	·448	·414	·407	·461	·466	·485	·473	·480	} ·496	
·473	·444	·437	·481	·454	·509	·510	·507	·495	·497	·518	·516		
·457	—	—	—	—	—	—	—	—	—	—	—	} ·485	
—	·489	·492	·492	·486	·502	·505	·473	·466	·416	·430	·424		
·502	·496	·494	·493	·492	·488	·484	·489	·484	·492	·507	·510	·506	

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 St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	MAY.	1	74	76	67	64	65	71	76	78	78	78	75	75	
		2	65	71	75	70	59	66	67	76	79	84	87	64	
		3	77	62	62	75	71	71	71	77	78	81	86	86	
		4	91	84	74	76	77	78	82	84	85	87	84	88	
		5	79	82	87	82	79	87	84	89	90	89	88	89	
		6	85	75	80	75	74	75	77	80	83	82	83	85	
		7	—	—	—	—	—	—	—	—	—	—	—	—	
		8	90	95	91	93	94	88	87	87	87	84	85	88	
		9	95	91	95	87	92	93	94	91	91	89	90	95	
		10	86	89	83	87	86	85	88	88	88	89	93	82	90
		11	77	87	75	71	77	70	72	70	79	88	85	75	
		12	76	81	71	77	74	77	81	85	82	80	83	79	
		13	91	87	72	79	76	86	86	95	94	88	83	84	
		14	—	—	—	—	—	—	—	—	—	—	—	—	
		15	75	71	75	73	70	70	73	73	83	72	73	85	
		16	89	87	88	93	87	88	86	89	88	90	89	91	
		17	91	87	87	94	89	92	91	91	90	97	91	91	
		18	83	91	88	79	75	88	92	88	97	91	94	94	
		19	97	97	97	96	96	97	93	97	97	95	96	95	
		20	96	95	89	95	96	94	96	97	97	96	94	94	
		21	—	—	—	—	—	—	—	—	—	—	—	—	
		22	95	90	87	80	82	83	85	86	89	89	94	87	
		23	81	83	84	88	88	88	87	84	92	91	87	91	
		24	82	76	86	88	82	88	79	86	97	85	82	78	
		25	77	81	81	89	76	79	83	82	72	72	75	82	
		26	82	86	89	82	79	83	83	85	88	91	85	75	
		27	87	92	87	84	80	81	91	91	91	87	87	94	
		28	—	—	—	—	—	—	—	—	—	—	—	—	
		29	96	95	95	86	86	84	88	87	87	91	92	91	
		30	77	76	78	81	81	83	85	84	79	85	86	88	
		31	79	74	74	72	76	75	78	79	80	82	86	87	
Hourly Means		84	84	82	82	80	82	84	85	87	87	86	86		
Tension of the Vapour.	MAY.	1	In. ·485	In. ·490	In. ·455	In. ·434	In. ·438	In. ·460	In. ·468	In. ·457	In. ·448	In. ·448	In. ·427	In. ·431	
		2	·443	·465	·476	·459	·397	·434	·415	·437	·454	·493	·509	·374	
		3	·493	·419	·460	·497	·459	·438	·428	·440	·454	·480	·494	·497	
		4	·558	·536	·498	·514	·506	·498	·499	·485	·493	·500	·481	·492	
		5	·497	·509	·521	·518	·497	·517	·502	·494	·507	·502	·491	·497	
		6	·496	·480	·505	·477	·463	·456	·456	·454	·474	·457	·462	·465	
		7	—	—	—	—	—	—	—	—	—	—	—	—	
		8	·504	·531	·516	·513	·500	·475	·469	·465	·461	·454	·458	·469	
		9	·522	·537	·535	·521	·548	·543	·541	·514	·510	·497	·537	·522	
		10	·518	·535	·516	·513	·510	·488	·489	·491	·494	·505	·444	·496	
		11	·452	·489	·473	·446	·460	·413	·416	·390	·442	·489	·478	·415	
		12	·475	·480	·458	·476	·471	·476	·473	·481	·457	·446	·462	·424	
		13	·519	·494	·455	·481	·480	·510	·489	·518	·511	·483	·462	·461	
		14	—	—	—	—	—	—	—	—	—	—	—	—	
		15	·480	·458	·462	·468	·422	·419	·414	·395	·451	·395	·406	·451	
		16	·514	·504	·511	·518	·497	·502	·482	·490	·483	·496	·486	·491	
		17	·499	·481	·465	·504	·502	·505	·487	·468	·468	·501	·468	·468	
		18	·455	·483	·471	·445	·423	·483	·478	·451	·489	·460	·476	·476	
		19	·511	·503	·507	·499	·489	·499	·483	·491	·479	·489	·485	·479	
		20	·499	·514	·490	·510	·505	·500	·485	·483	·487	·481	·472	·472	
		21	—	—	—	—	—	—	—	—	—	—	—	—	
		22	·483	·504	·473	·458	·454	·454	·447	·435	·457	·457	·476	·448	
		23	·457	·466	·465	·483	·473	·465	·482	·431	·478	·468	·439	·464	
		24	·436	·430	·486	·477	·444	·471	·416	·440	·495	·436	·424	·400	
		25	·440	·461	·465	·490	·433	·439	·447	·421	·367	·374	·387	·432	
		26	·459	·482	·486	·471	·453	·455	·454	·447	·459	·465	·436	·382	
		27	·473	·478	·474	·471	·470	·449	·465	·453	·438	·425	·408	·453	
		28	—	—	—	—	—	—	—	—	—	—	—	—	
		29	·481	·495	·503	·450	·454	·439	·455	·431	·441	·441	·448	·430	
		30	·434	·440	·452	·477	·465	·458	·458	·442	·401	·436	·431	·444	
		31	·452	·440	·448	·427	·438	·417	·430	·404	·411	·413	·432	·450	
Hourly Means		·483	·485	·482	·481	·469	·469	·464	·456	·463	·463	·459	·455		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
75	79	73	76	74	75	74	75	67	70	64	75	73
68	79	75	72	86	88	91	85	82	85	75	88	77
87	90	88	89	87	90	91	91	94	90	87	85	82
88	87	88	88	89	87	73	76	81	88	79	79	83
88	91	90	95	96	95	96	96	91	95	91	88	89
83	86	92	94	95	94	96	97	97	97	92	95	86
88	87	88	83	88	84	85	86	88	89	88	86	88
94	94	95	94	94	93	95	96	96	95	93	89	93
88	74	75	87	75	76	84	71	71	76	91	88	83
74	71	71	84	85	77	82	78	84	72	81	75	78
76	84	83	92	89	88	84	85	80	78	82	82	81
82	78	78	84	79	82	84	73	68	69	66	77	81
89	90	96	91	94	93	90	84	83	83	86	86	82
89	94	91	92	96	89	91	89	94	85	94	85	90
95	97	91	92	94	97	91	97	84	86	84	83	91
91	96	94	94	97	94	94	89	95	94	96	97	91
93	97	97	97	97	96	97	97	96	96	96	94	96
97	96	95	92	92	92	89	92	91	91	97	97	94
96	96	97	97	95	95	96	92	92	88	86	83	90
79	87	84	80	72	72	84	87	86	89	87	88	85
86	88	77	85	93	88	91	91	88	82	77	74	85
69	76	70	72	82	87	84	91	92	91	94	89	81
74	77	89	87	87	78	78	87	79	76	81	82	83
91	93	92	94	92	93	93	87	89	93	96	94	90
89	82	82	80	82	82	83	84	83	81	79	79	86
88	84	84	84	86	87	87	87	88	86	84	81	84
87	87	88	90	89	91	91	87	91	94	94	89	84
85	87	86	88	88	87	88	87	86	86	86	85	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.423	.442	.410	.426	.410	.416	.410	.419	.407	.407	.399	.440	.435
.398	.450	.431	.411	.482	.489	.495	.466	.467	.496	.454	.523	.455
.500	.520	.506	.509	.492	.507	.519	.514	.536	.533	.547	.530	.491
.489	.473	.487	.481	.490	.474	.396	.422	.449	.502	.476	.494	.487
.477	.499	.488	.518	.520	.514	.524	.507	.507	.527	.523	.515	.507
.451	—	—	—	—	—	—	—	—	—	—	—	—
—	.432	.490	.472	.487	.484	.493	.499	.493	.501	.474	.499	.476
.469	.469	.475	.443	.471	.450	.476	.446	.463	.490	.499	.489	.477
.515	.519	.522	.515	.511	.526	.514	.518	.520	.531	.530	.531	.524
.471	.400	.411	.466	.395	.406	.457	.380	.384	.437	.499	.471	.466
.412	.391	.387	.465	.466	.416	.436	.424	.461	.403	.457	.457	.439
.406	.450	.458	.498	.474	.471	.450	.458	.428	.439	.482	.505	.462
.434	—	—	—	—	—	—	—	—	—	—	—	—
—	.423	.404	.454	.424	.434	.446	.389	.354	.382	.393	.468	.453
.486	.488	.518	.468	.504	.498	.484	.454	.447	.455	.478	.497	.458
.470	.496	.479	.459	.491	.459	.468	.438	.484	.451	.500	.478	.485
.479	.472	.464	.471	.476	.480	.449	.480	.416	.436	.442	.443	.472
.442	.464	.472	.476	.481	.461	.469	.442	.479	.480	.505	.489	.469
.454	.474	.476	.480	.476	.474	.474	.476	.474	.470	.497	.504	.485
.485	—	—	—	—	—	—	—	—	—	—	—	—
—	.481	.472	.456	.452	.456	.430	.444	.441	.438	.489	.499	.477
.474	.478	.476	.483	.461	.464	.470	.456	.459	.428	.446	.440	.462
.397	.445	.420	.400	.359	.362	.413	.437	.435	.461	.452	.461	.442
.440	.459	.393	.424	.446	.428	.449	.456	.444	.428	.416	.408	.439
.362	.391	.364	.370	.413	.418	.406	.456	.459	.468	.484	.466	.426
.372	.383	.453	.453	.433	.391	.391	.425	.388	.385	.434	.431	.433
.433	—	—	—	—	—	—	—	—	—	—	—	—
—	.454	.448	.453	.432	.446	.438	.412	.423	.461	.468	.476	.450
.430	.396	.382	.373	.382	.379	.395	.400	.402	.406	.408	.424	.427
.451	.427	.427	.427	.423	.419	.429	.419	.444	.443	.457	.449	.440
.450	.452	.459	.468	.459	.468	.471	.456	.468	.484	.480	.478	.448
.447	.453	.451	.456	.456	.452	.454	.448	.449	.457	.470	.477	.462



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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	JUNE.	1	91	88	89	90	89	88	89	90	91	91	92	91	
		2	87	90	84	86	85	91	88	90	90	93	88	90	
		3	85	85	82	80	75	84	84	85	87	88	87	88	
		4	—	—	—	—	—	—	—	—	—	—	—	—	—
		5	74	73	72	70	76	76	79	79	81	78	82	79	80
		6	84	88	85	81	80	80	82	84	84	84	79	79	80
		7	65	73	71	68	69	73	67	77	79	81	77	75	75
		8	71	75	77	78	79	89	91	88	94	87	89	89	89
		9	76	73	77	74	82	91	91	92	87	89	87	87	87
		10	84	78	82	79	79	81	88	81	86	89	88	88	88
		11	—	—	—	—	—	—	—	—	—	—	—	—	—
		12	94	94	93	87	89	88	87	91	95	97	96	96	94
		13	83	78	79	83	83	77	77	83	87	86	87	86	86
		14	70	69	80	78	75	69	77	84	87	76	75	78	78
		15	78	78	73	77	76	81	86	91	82	88	89	76	76
		16	78	82	84	78	78	78	81	87	85	88	84	72	72
		17	88	89	75	86	82	84	88	91	89	92	91	91	91
		18	—	—	—	—	—	—	—	—	—	—	—	—	—
		19	84	84	81	77	74	82	87	92	91	93	91	93	93
		20	88	83	89	89	92	91	92	91	94	92	91	88	88
		21	72	78	88	85	77	79	77	75	74	78	79	86	86
		22	91	88	86	84	91	87	88	91	93	92	92	93	93
		23	88	89	87	82	87	93	80	79	78	78	80	79	79
		24	72	68	72	78	73	75	81	76	77	76	76	76	76
		25	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	72	74	— <sup>a</sup>	—	71	74	75	76	77	76	77	79	79
		27	73	73	71	77	79	72	73	74	81	77	82	77	77
		28	83	84	82	90	91	92	88	87	94	82	91	89	89
		29	81	77	71	71	87	78	86	82	72	77	79	83	83
		30	96	94	94	94	92	89	86	91	93	92	95	93	93
		Hourly Means		81	81	81	81	81	82	83	85	86	85	86	85
Tension of the Vapour.	JUNE.	1	In. .479	In. .471	In. .490	In. .496	In. .482	In. .475	In. .470	In. .468	In. .475	In. .479	In. .486	In. .475	
		2	.489	.514	.482	.514	.505	.502	.487	.480	.480	.498	.467	.476	
		3	.488	.500	.482	.482	.442	.485	.457	.436	.445	.448	.441	.440	
		4	—	—	—	—	—	—	—	—	—	—	—	—	
		5	.402	.433	.439	.432	.461	.437	.453	.431	.427	.393	.373	.381	
		6	.490	.509	.488	.488	.470	.454	.457	.457	.450	.420	.424	.415	
		7	.349	.396	.393	.375	.386	.392	.365	.393	.394	.378	.384	.365	
		8	.374	.394	.393	.407	.408	.446	.445	.428	.457	.406	.423	.419	
		9	.387	.395	.403	.411	.444	.449	.445	.448	.416	.426	.409	.414	
		10	.435	.414	.444	.424	.424	.419	.428	.402	.427	.438	.432	.421	
		11	—	—	—	—	—	—	—	—	—	—	—	—	
		12	.464	.461	.458	.437	.438	.436	.418	.422	.424	.443	.439	.445	
		13	.436	.411	.408	.436	.447	.397	.393	.408	.419	.413	.412	.412	
		14	.367	.375	.419	.427	.395	.365	.390	.416	.393	.366	.361	.381	
		15	.422	.429	.410	.420	.402	.423	.439	.428	.406	.440	.446	.369	
		16	.433	.444	.442	.420	.427	.423	.415	.412	.424	.444	.409	.358	
		17	.491	.482	.431	.486	.455	.450	.467	.468	.446	.463	.460	.456	
		18	—	—	—	—	—	—	—	—	—	—	—	—	
		19	.457	.454	.438	.409	.402	.433	.443	.467	.449	.465	.445	.458	
		20	.451	.439	.461	.470	.471	.460	.456	.441	.453	.444	.433	.417	
		21	.374	.406	.451	.436	.393	.401	.387	.359	.349	.374	.374	.399	
		22	.433	.432	.439	.435	.441	.421	.417	.416	.427	.419	.419	.414	
		23	.432	.450	.423	.416	.425	.434	.376	.368	.368	.368	.379	.374	
		24	.377	.367	.387	.412	.392	.388	.402	.365	.373	.364	.358	.358	
		25	—	—	—	—	—	—	—	—	—	—	—	—	
		26	.371	.379	—	—	.364	.362	.362	.348	.350	.347	.346	.368	
		27	.380	.374	.377	.399	.416	.367	.360	.361	.402	.379	.405	.369	
		28	.444	.446	.448	.472	.465	.456	.436	.429	.457	.396	.441	.426	
		29	.429	.423	.384	.384	.427	.403	.413	.396	.349	.379	.391	.408	
		30	.470	.472	.480	.464	.444	.430	.406	.419	.427	.412	.414	.411	
		Hourly Means		.428	.434	.435	.438	.432	.427	.422	.418	.419	.416	.414	.409

<sup>a</sup> Bulb dry.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
11	12	13	14	15	16	17	18	19	20	21	22	
92	95	94	91	87	84	86	87	89	84	85	86	89
91	91	91	90	86	91	91	91	94	91	87	87	89
89	87	87	88	88	88	89	89	87	86	79	77	85
81	82	82	82	81	77	81	80	75	79	85	85	79
77	79	76	68	69	78	75	65	75	68	66	70	77
70	72	72	75	75	70	75	75	75	74	73	73	73
88	88	86	95	91	92	91	92	92	91	92	81	87
93	89	87	92	92	96	92	93	96	95	91	87	88
87	83	86	77	77	91	95	92	93	95	91	86	86
97	97	96	89	86	89	88	92	91	78	79	73	90
89	97	94	95	91	91	91	87	91	89	82	77	86
78	75	72	77	84	84	82	77	72	82	70	68	77
78	87	79	76	73	75	77	76	77	82	74	84	80
82	87	88	92	92	96	96	97	94	92	94	96	87
92	77	80	82	69	72	78	70	79	78	68	74	82
90	84	88	95	91	92	93	79	82	93	94	91	88
91	93	84	83	88	92	82	77	89	83	83	81	88
87	88	87	77	78	88	79	84	86	91	91	82	82
96	89	97	97	96	92	96	92	97	97	91	91	92
80	91	82	83	78	82	80	84	88	80	82	74	83
82	78	78	78	78	78	79	78	76	76	76	72	76
77	78	74	75	77	76	76	76	77	76	76	75	76
77	76	77	74	76	76	77	79	80	83	88	87	77
92	77	73	87	79	73	82	71	82	71	79	67	83
88	94	96	97	97	97	93	83	82	80	91	92	85
96	95	91	95	96	90	90	92	93	92	95	92	93
86	86	84	85	84	85	85	83	85	84	83	81	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.482	.499	.488	.465	.456	.435	.450	.456	.466	.450	.478	.489	.473
.487	.487	.483	.472	.447	.475	.471	.475	.488	.479	.469	.486	.484
.442	—	—	—	—	—	—	—	—	—	—	—	—
—	.416	.418	.421	.421	.411	.406	.393	.391	.393	.408	.406	.436
.393	.389	.392	.389	.376	.373	.393	.404	.399	.435	.466	.493	.415
.393	.401	.384	.336	.349	.393	.375	.325	.378	.356	.348	.378	.414
.351	.362	.359	.368	.362	.362	.362	.359	.359	.362	.365	.363	.371
.414	.414	.403	.430	.419	.419	.419	.425	.422	.426	.452	.402	.419
.442	.430	.401	.425	.419	.432	.419	.427	.430	.441	.453	.441	.425
.416	—	—	—	—	—	—	—	—	—	—	—	—
—	.389	.396	.361	.357	.416	.424	.416	.421	.434	.437	.427	.417
.445	.445	.443	.406	.389	.413	.404	.425	.416	.362	.381	.367	.424
.419	.447	.445	.434	.406	.416	.416	.398	.422	.426	.402	.386	.417
.374	.364	.348	.383	.409	.409	.370	.373	.352	.412	.364	.364	.382
.388	.427	.387	.368	.353	.359	.377	.367	.377	.405	.368	.416	.401
.405	.427	.440	.463	.444	.451	.455	.470	.453	.452	.483	.479	.436
.463	—	—	—	—	—	—	—	—	—	—	—	—
—	.376	.394	.405	.335	.356	.388	.345	.391	.395	.360	.399	.423
.426	.428	.428	.441	.422	.432	.431	.365	.386	.450	.457	.437	.434
.429	.442	.400	.399	.421	.425	.379	.354	.423	.402	.381	.396	.427
.399	.411	.398	.350	.362	.408	.365	.390	.396	.422	.433	.405	.393
.429	.396	.426	.423	.419	.402	.417	.409	.431	.426	.416	.433	.423
.376	.426	.379	.385	.358	.373	.370	.386	.404	.376	.396	.374	.392
.392	—	—	—	—	—	—	—	—	—	—	—	—
—	—	.354	.354	.354	.351	.354	.345	.347	.349	.360	.358	.368
.349	.358	.338	.347	.357	.347	.350	.348	.356	.363	.377	.387	.358
.366	.366	.366	.355	.366	.364	.376	.381	.387	.415	.444	.456	.385
.448	.369	.352	.416	.374	.338	.389	.332	.389	.345	.397	.360	.409
.428	.461	.463	.472	.459	.472	.438	.382	.379	.376	.441	.452	.417
.417	.414	.396	.407	.407	.390	.390	.396	.392	.409	.434	.429	.422
.414	.414	.403	.403	.394	.401	.400	.391	.402	.406	.414	.415	.414

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.															
Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	JULY.	1	89	94	92	87	88	89	98	93	96	96	95	92	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	91	93	88	92	87	93	92	92	93	89	90	92	89
		4	94	91	87	88	86	80	84	84	84	87	87	84	86
		5	77	72	72	78	77	77	75	77	77	79	78	84	73
		6	87	94	84	87	91	91	89	91	91	92	93	87	80
		7	87	85	85	86	85	87	91	93	93	93	91	93	96
		8	91	95	96	96	93	96	97	97	97	97	97	97	97
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	82	77	86	85	81	79	84	88	88	89	89	92	92
		11	85	85	83	80	83	86	87	88	88	88	91	93	91
		12	84	80	77	76	76	80	81	84	84	87	86	87	87
		13	82	82	82	78	81	81	82	86	86	86	87	88	88
		14	88	85	89	80	78	81	82	87	87	87	89	89	91
		15	83	84	80	84	87	88	89	91	92	92	86	91	82
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	74	78	78	78	76	79	83	82	83	82	82	87	84
		18	78	78	81	81	83	86	87	87	87	88	89	89	88
		19	81	80	79	85	81	80	81	84	84	84	87	87	87
		20	96	96	93	94	96	96	93	92	92	91	91	91	88
		21	74	73	68	74	68	69	80	82	83	83	78	72	78
		22	77	71	74	75	75	82	91	92	92	95	95	95	96
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	79	65	66	64	80	82	84	83	83	70	71	87	71
		25	82	89	79	76	81	89	89	84	84	88	75	82	87
		26	86	92	78	75	70	75	81	83	83	82	78	76	78
		27	70	75	75	71	72	73	74	82	82	82	84	91	84
		28	77	76	78	78	76	82	79	84	84	84	86	78	88
		29	77	77	78	81	79	82	82	83	83	83	84	86	85
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		31	78	78	70	70	74	79	81	82	84	84	87	87	86
Hourly Means		83	83	81	81	81	83	86	87	87	86	88	86		
Tension of the Vapour.	JULY.	1	In. .434	In. .461	In. .456	In. .443	In. .444	In. .438	In. .467	In. .427	In. .432	In. .430	In. .430	In. .412	
		2	—	—	—	—	—	—	—	—	—	—	—	—	
		3	.429	.442	.444	.463	.437	.442	.433	.427	.427	.393	.393	.399	.387
		4	.457	.438	.433	.440	.423	.404	.416	.403	.403	.406	.403	.396	.396
		5	.379	.361	.368	.388	.369	.363	.347	.353	.371	.365	.365	.390	.335
		6	.418	.445	.409	.425	.434	.433	.416	.419	.425	.431	.431	.395	.367
		7	.416	.428	.424	.427	.424	.429	.426	.434	.431	.431	.413	.424	.429
		8	.449	.464	.453	.468	.454	.457	.455	.449	.449	.449	.449	.443	.445
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	.417	.402	.440	.436	.417	.397	.420	.428	.423	.423	.423	.436	.436
		11	.428	.451	.436	.419	.432	.436	.437	.421	.424	.424	.422	.431	.426
		12	.431	.434	.418	.425	.398	.411	.396	.406	.411	.390	.390	.398	.393
		13	.424	.431	.444	.427	.438	.429	.420	.413	.412	.414	.414	.414	.411
		14	.463	.451	.443	.423	.420	.427	.428	.437	.425	.442	.442	.438	.445
		15	.451	.457	.454	.457	.456	.448	.446	.445	.444	.406	.441	.392	.392
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	.378	.396	.411	.403	.387	.394	.402	.386	.395	.379	.396	.396	.386
		18	.411	.422	.442	.438	.443	.436	.435	.412	.414	.419	.410	.410	.411
		19	.417	.427	.428	.455	.419	.407	.394	.396	.386	.399	.398	.398	.391
		20	.459	.474	.461	.457	.455	.447	.427	.419	.416	.409	.409	.409	.394
		21	.351	.341	.339	.361	.326	.322	.350	.356	.351	.333	.309	.309	.330
		22	.346	.344	.361	.371	.377	.386	.406	.402	.404	.414	.417	.417	.417
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	.387	.340	.362	.342	.423	.396	.403	.395	.325	.338	.379	.335	.335
		25	.405	.406	.401	.395	.413	.430	.419	.393	.408	.358	.376	.408	.408
		26	.424	.419	.406	.388	.364	.378	.393	.395	.376	.362	.346	.365	.365
		27	.371	.395	.395	.380	.387	.377	.369	.386	.392	.400	.426	.390	.390
		28	.392	.406	.416	.411	.395	.420	.397	.403	.396	.406	.374	.417	.417
		29	.403	.415	.427	.423	.420	.412	.402	.395	.389	.386	.399	.383	.383
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
		31	.396	.404	.375	.387	.404	.408	.402	.392	.396	.408	.386	.382	.382
Hourly Means		.413	.418	.417	.417	.414	.413	.412	.407	.404	.400	.402	.396		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
—	—	—	—	—	—	—	—	—	—	—	—	91
92	93	90	91	91	91	93	90	90	91	88	87	91
89	86	89	92	91	88	86	84	87	91	94	92	90
84	87	78	72	76	76	80	76	70	88	78	78	83
70	74	76	76	88	80	90	93	96	92	97	88	81
96	92	97	97	97	96	96	97	97	96	97	92	92
97	95	97	97	97	96	97	92	95	95	88	86	92
—	—	—	—	—	—	—	—	—	—	—	—	92
99	88	86	89	87	89	89	92	87	86	83	79	92
91	92	92	91	91	91	91	92	91	91	86	82	88
91	87	85	87	88	88	89	78	88	82	82	77	86
87	85	87	89	87	87	85	86	86	88	86	85	84
89	89	89	91	89	91	88	92	92	91	89	86	87
91	93	92	91	91	91	93	91	92	92	91	87	88
—	—	—	—	—	—	—	—	—	—	—	—	84
81	87	86	83	85	80	82	77	79	80	77	77	84
82	85	86	89	88	95	91	87	89	87	88	84	84
88	91	89	88	91	89	89	91	89	86	86	87	87
88	91	91	89	87	92	91	91	92	96	94	96	87
88	81	84	77	80	80	76	74	78	77	80	73	86
82	92	89	82	89	93	90	91	82	82	81	77	80
—	—	—	—	—	—	—	—	—	—	—	—	82
96	70	66	75	75	68	73	88	88	76	75	91	82
80	82	88	89	89	91	92	86	84	84	84	86	81
96	96	95	91	86	88	88	89	93	96	89	88	87
77	75	75	79	83	80	82	77	81	84	78	77	79
82	86	83	83	85	87	84	83	84	86	82	82	81
86	86	87	86	86	84	88	87	87	87	86	82	83
—	—	—	—	—	—	—	—	—	—	—	—	83
88	86	89	88	92	87	87	87	87	80	78	74	83
88	86	89	88	88	86	87	87	90	92	86	75	84
88	87	87	87	88	87	87	87	88	88	85	83	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·406	—	—	—	—	—	—	—	—	—	—	—	·418
—	·414	·379	·376	·370	·382	·392	·393	·390	·409	·421	·433	·414
·384	·379	·396	·399	·396	·391	·391	·390	·396	·429	·453	·440	·389
·383	·398	·354	·320	·343	·343	·353	·340	·313	·411	·368	·384	·370
·322	·338	·340	·343	·382	·347	·383	·398	·406	·399	·425	·411	·425
·424	·412	·441	·438	·438	·426	·423	·431	·432	·430	·445	·432	·421
·426	·421	·432	·423	·425	·426	·431	·393	·407	·417	·398	·409	·426
·447	—	—	—	—	—	—	—	—	—	—	—	·421
—	·388	·388	·400	·386	·406	·406	·389	·386	·396	·405	·397	·413
·422	·432	·432	·422	·422	·422	·406	·425	·410	·416	·416	·412	·404
·422	·395	·389	·383	·398	·404	·413	·365	·401	·382	·399	·389	·423
·398	·383	·389	·413	·395	·398	·380	·377	·386	·414	·427	·424	·423
·416	·413	·413	·422	·416	·422	·401	·419	·432	·433	·442	·443	·440
·445	·454	·448	·441	·437	·441	·446	·433	·436	·444	·449	·445	·409
·376	—	—	—	—	—	—	—	—	—	—	—	·398
—	·398	·393	·379	·390	·370	·376	·349	·365	·376	·369	·382	·416
·362	·374	·385	·403	·391	·424	·403	·391	·413	·411	·440	·431	·417
·401	·406	·406	·394	·416	·403	·406	·409	·406	·399	·412	·423	·388
·398	·409	·409	·406	·406	·425	·416	·419	·429	·459	·457	·463	·347
·391	·356	·339	·339	·345	·341	·325	·319	·336	·333	·342	·329	·372
·344	·373	·367	·338	·364	·375	·367	·373	·333	·338	·344	·342	·405
·417	—	—	—	—	—	—	—	—	—	—	—	·375
—	·325	·302	·343	·344	·311	·336	·404	·401	·353	·367	·387	·404
·377	·386	·411	·403	·403	·416	·422	·383	·390	·400	·409	·423	·394
·419	·426	·421	·396	·380	·391	·394	·403	·421	·426	·419	·408	·385
·346	·340	·340	·361	·376	·367	·370	·349	·373	·396	·381	·395	·405
·376	·396	·382	·382	·393	·393	·383	·376	·383	·393	·399	·416	·375
·403	·403	·403	·403	·399	·386	·408	·398	·405	·411	·433	·416	·389
·404	—	—	—	—	—	—	—	—	—	—	—	·404
—	·375	·387	·385	·402	·385	·385	·388	·386	·371	·371	·372	·394
·391	·354	·387	·359	·374	·362	·356	·347	·383	·412	·403	·375	·385
·396	·390	·390	·387	·392	·391	·391	·387	·393	·402	·408	·407	·402

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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10	
Humidity of the Air.	AUGUST.	1	67	67	79	79	67	73	78	83	86	86	88	
		2	79	72	67	70	68	69	76	82	84	86	87	
		3	84	83	79	75	79	81	83	87	88	89	89	
		4	79	81	76	78	79	82	82	88	91	89	92	
		5	73	72	73	78	76	73	70	83	82	84	86	
		6	—	—	—	—	—	—	—	—	—	—	—	
		7	89	72	66	64	68	70	78	83	84	89	87	
		8	95	88	79	76	76	76	80	83	86	85	88	
		9	82	79	75	69	74	76	78	81	83	85	83	
		10	75	87	78	82	67	77	81	80	82	86	86	
		11	89	86	86	78	81	87	91	89	90	89	84	
		12	85	79	76	68	70	82	84	86	81	86	90	
		13	—	—	—	—	—	—	—	—	—	—	—	
		14	76	79	77	77	67	79	86	82	99	77	74	
		15	67	78	74	68	71	77	79	89	89	85	72	
		16	86	91	96	86	82	78	91	93	96	97	96	
		17	95	92	93	89	89	92	95	96	96	95	97	
		18	89	87	87	87	86	81	85	85	88	86	84	
		19	68	69	65	68	65	68	72	74	74	79	76	
		20	—	—	—	—	—	—	—	—	—	—	—	
		21	72	69	72	68	69	70	75	77	77	80	79	
		22	76	72	70	67	70	75	79	82	87	87	87	
		23	69	63	67	71	74	75	77	82	83	83	84	
		24	78	78	77	73	74	78	80	86	87	88	89	
		25	75	67	74	67	84	81	84	82	84	84	85	
		26	57	55	75	74	81	78	87	88	91	95	92	
		27	—	—	—	—	—	—	—	—	—	—	—	
		28	91	89	89	84	92	91	92	95	92	95	92	
		29	95	91	88	83	83	78	86	86	89	89	84	
		30	92	84	91	93	92	92	91	91	86	90	89	
		31	93	88	87	92	91	95	92	95	93	95	92	
Hourly Means		81	78	78	76	77	79	83	85	87	87	86	88	
Tension of the Vapour.	AUGUST.	1	In. .357	In. .368	In. .435	In. .435	In. .357	In. .385	In. .384	In. .389	In. .390	In. .386	In. .386	
		2	.401	.383	.367	.382	.367	.369	.387	.389	.390	.391	.401	.411
		3	.435	.433	.412	.415	.424	.429	.419	.414	.417	.423	.423	.422
		4	.428	.434	.422	.430	.420	.428	.416	.432	.441	.426	.444	.437
		5	.410	.407	.398	.419	.422	.398	.354	.408	.396	.400	.403	.406
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	.426	.374	.365	.353	.373	.371	.384	.382	.386	.403	.395	.398
		8	.421	.436	.391	.390	.380	.370	.379	.373	.388	.363	.388	.393
		9	.379	.394	.388	.362	.379	.372	.365	.359	.365	.383	.373	.386
		10	.381	.399	.414	.409	.352	.380	.379	.365	.370	.388	.382	.369
		11	.426	.435	.419	.392	.404	.416	.413	.403	.396	.390	.360	.391
		12	.389	.357	.363	.352	.354	.373	.380	.371	.351	.353	.383	.359
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	.353	.374	.369	.366	.327	.377	.375	.362	.423	.339	.317	.314
		15	.314	.388	.365	.346	.354	.370	.365	.390	.390	.366	.314	.320
		16	.403	.416	.414	.389	.386	.362	.409	.398	.406	.413	.403	.406
		17	.430	.429	.446	.423	.419	.419	.417	.411	.406	.404	.411	.413
		18	.416	.408	.411	.406	.406	.403	.389	.377	.378	.379	.357	.382
		19	.349	.355	.342	.366	.336	.349	.353	.342	.339	.342	.326	.345
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	.374	.386	.399	.377	.377	.377	.388	.373	.364	.376	.365	.386
		22	.402	.407	.411	.395	.404	.416	.424	.405	.399	.405	.398	.398
		23	.372	.348	.382	.397	.400	.395	.383	.389	.392	.385	.380	.377
		24	.418	.414	.416	.398	.408	.404	.400	.403	.393	.404	.403	.403
		25	.391	.382	.412	.382	.435	.413	.413	.376	.383	.370	.370	.386
		26	.316	.318	.418	.411	.419	.399	.419	.414	.416	.421	.399	.418
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	.426	.419	.419	.400	.422	.403	.406	.411	.396	.411	.396	.411
		29	.437	.423	.448	.412	.412	.381	.406	.388	.393	.393	.370	.393
		30	.440	.413	.441	.454	.436	.416	.406	.393	.399	.390	.384	.378
		31	.424	.417	.418	.440	.426	.441	.419	.417	.411	.411	.393	.383
Hourly Means		.397	.397	.403	.396	.393	.393	.394	.390	.392	.389	.382	.388	

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.
11	12	13	14	15	16	17	18	19	20	21	22	
89	84	91	89	91	84	91	90	91	91	89	83	83
88	91	91	92	90	93	92	92	93	91	88	87	84
91	91	91	92	91	94	94	94	88	86	91	82	87
91	91	92	92	85	88	88	88	87	86	80	79	86
—	—	—	—	—	—	—	—	—	—	—	—	80
88	86	86	84	81	81	81	73	76	70	84	81	84
89	88	89	89	90	89	88	92	89	93	85	89	87
89	91	93	96	92	92	92	93	94	90	89	85	83
86	91	91	84	83	84	91	92	88	86	79	88	86
88	92	91	87	88	89	91	97	96	92	95	95	86
89	91	81	81	86	79	81	90	91	88	81	76	86
—	—	—	—	—	—	—	—	—	—	—	—	82
76	85	94	90	96	96	90	85	77	71	70	64	78
77	80	77	73	82	76	71	90	86	74	71	73	79
69	85	88	78	77	81	89	86	89	73	77	82	92
91	97	96	91	90	90	97	96	96	96	93	95	94
97	97	96	97	97	96	97	97	96	92	91	88	83
81	81	84	84	79	77	77	77	84	76	73	76	75
—	—	—	—	—	—	—	—	—	—	—	—	79
76	78	80	81	80	81	81	80	83	71	75	76	82
83	84	83	84	85	86	84	88	88	86	81	76	81
86	88	89	88	88	88	86	87	88	87	79	74	85
85	86	86	88	89	88	86	86	91	87	83	81	83
91	91	91	89	88	88	89	91	89	92	88	86	86
88	89	89	95	88	88	88	88	89	88	80	66	92
—	—	—	—	—	—	—	—	—	—	—	—	90
93	90	91	89	89	86	92	91	90	96	87	97	92
96	95	92	93	93	94	94	89	89	93	95	96	90
95	94	95	92	93	88	89	93	94	94	95	87	92
94	96	92	94	90	96	93	96	97	94	96	93	88
86	85	83	83	82	82	83	86	88	84	81	83	85
87	89	89	88	88	87	88	89	89	86	84	83	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·384	·380	·399	·393	·406	·393	·393	·396	·399	·419	·426	·419	·395
·404	·406	·403	·416	·396	·404	·412	·409	·418	·422	·424	·427	·399
·426	·429	·422	·436	·426	·449	·445	·449	·408	·412	·449	·428	·427
·426	·433	·436	·432	·386	·411	·408	·404	·405	·406	·407	·372	·420
·417	—	—	—	—	—	—	—	—	—	—	—	·382
—	·371	·366	·370	·356	·353	·359	·315	·328	·319	·390	·391	·387
·396	·394	·396	·380	·387	·384	·382	·396	·370	·392	·383	·410	·395
·393	·396	·408	·411	·390	·393	·399	·401	·395	·393	·413	·416	·385
·388	·406	·409	·374	·373	·377	·409	·412	·391	·386	·391	·414	·395
·398	·412	·403	·385	·385	·403	·396	·416	·423	·412	·424	·441	·382
·390	·393	·350	·350	·362	·330	·341	·361	·373	·365	·359	·353	·358
·320	—	—	—	—	—	—	—	—	—	—	—	·344
—	·348	·398	·379	·397	·393	·370	·351	·324	·303	·310	·304	·344
·333	·341	·330	·313	·350	·320	·304	·373	·360	·308	·306	·329	·344
·302	·363	·368	·336	·330	·332	·370	·353	·367	·315	·356	·389	·353
·382	·406	·400	·382	·373	·376	·408	·406	·403	·411	·404	·427	·399
·408	·406	·397	·399	·405	·397	·405	·403	·403	·396	·406	·408	·411
·350	·350	·360	·360	·333	·327	·333	·327	·366	·344	·349	·365	·370
·326	—	—	—	—	—	—	—	—	—	—	—	·344
—	·307	·306	·327	·339	·356	·353	·350	·373	·333	·367	·383	·372
·382	·377	·369	·360	·357	·334	·319	·359	·371	·388	·393	·381	·395
·388	·391	·393	·382	·385	·388	·383	·365	·368	·398	·391	·384	·386
·380	·377	·382	·388	·384	·388	·375	·379	·403	·411	·402	·402	·403
·416	·403	·399	·400	·391	·391	·396	·403	·396	·402	·404	·412	·390
·388	·396	·393	·411	·378	·378	·378	·385	·393	·404	·391	·348	·393
·421	—	—	—	—	—	—	—	—	—	—	—	·408
—	·393	·399	·380	·380	·360	·382	·373	·379	·409	·383	·413	·401
·414	·414	·399	·401	·408	·395	·404	·390	·390	·404	·421	·426	·402
·407	·407	·411	·393	·395	·368	·380	·388	·401	·407	·417	·401	·402
·401	·403	·382	·362	·373	·387	·388	·387	·397	·395	·409	·411	·388
·360	·354	·351	·351	·344	·347	·354	·365	·371	·366	·366	·385	·388
·385	·387	·386	·380	·377	·375	·380	·382	·384	·382	·390	·394	·388

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 St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	SEPTEMBER.	1	86	92	96	96	96	95	96	97	93	85	82	89	
		2	92	85	81	80	79	83	86	88	88	96	95	96	95
		3	—	—	—	—	—	—	—	—	—	—	—	—	—
		4	92	91	87	91	89	92	93	89	95	93	92	90	94
		5	97	97	97	89	95	93	89	87	87	89	88	92	93
		6	89	87	86	83	91	89	87	81	85	79	80	86	80
		7	87	77	82	77	79	82	81	85	85	79	80	81	81
		8	74	71	72	87	77	79	82	82	78	88	80	81	81
		9	76	75	71	77	78	82	79	83	79	83	87	87	86
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	79	76	78	76	77	81	82	78	78	79	82	80	83
		12	70	73	75	77	74	71	74	77	77	76	75	77	77
		13	70	69	65	63	60	63	66	76	83	86	89	89	91
		14	83	78	76	78	77	79	80	84	87	88	86	86	82
		15	81	76	73	77	78	77	79	81	82	82	83	83	84
		16	74	73	70	75	76	76	75	78	84	83	82	82	84
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	77	75	72	70	77	78	85	86	88	88	87	87	84
		19	79	77	72	73	78	82	83	86	87	89	89	89	87
		20	88	83	78	85	83	85	87	91	92	93	94	94	93
		21	78	75	75	75	73	78	86	83	89	83	89	89	82
		22	76	71	78	80	74	81	79	82	87	87	89	89	92
		23	97	96	94	97	96	97	96	89	97	92	97	97	91
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	86	77	81	84	78	73	78	93	88	89	93	93	86
		26	76	83	78	80	78	74	82	86	87	86	84	84	82
		27	91	91	93	89	91	95	96	95	97	97	96	96	93
		28	96	92	87	95	92	88	91	88	84	84	89	89	90
		29	79	76	79	79	82	75	82	91	88	94	88	88	93
		30	87	86	95	95	87	87	90	93	94	94	89	89	90
		October	1	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		83	81	80	82	81	82	84	86	88	87	88	88		
Tension of the Vapour.	SEPTEMBER.	1	.406	.436	.437	.432	.436	.427	.414	.419	.401	.360	.356	.380	
		2	.426	.424	.411	.419	.408	.408	.412	.401	.429	.421	.432	.421	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	.431	.429	.419	.438	.426	.429	.427	.417	.423	.406	.416	.416	.404
		5	.434	.439	.449	.426	.437	.418	.396	.407	.401	.396	.383	.383	.401
		6	.403	.414	.409	.402	.419	.403	.385	.369	.387	.374	.393	.393	.392
		7	.389	.370	.383	.384	.391	.392	.367	.377	.342	.347	.379	.379	.350
		8	.374	.384	.384	.441	.390	.397	.389	.358	.373	.356	.362	.362	.356
		9	.391	.399	.391	.404	.408	.412	.384	.385	.357	.376	.395	.395	.383
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	.401	.391	.396	.388	.387	.399	.392	.354	.361	.363	.363	.363	.373
		12	.372	.385	.388	.390	.375	.357	.359	.361	.354	.348	.361	.361	.364
		13	.382	.375	.362	.358	.340	.354	.358	.367	.392	.406	.423	.423	.426
		14	.439	.426	.436	.439	.431	.431	.407	.409	.409	.408	.403	.403	.376
		15	.400	.402	.402	.420	.407	.393	.397	.383	.376	.382	.389	.389	.390
		16	.412	.410	.406	.416	.422	.406	.388	.391	.416	.405	.392	.392	.396
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	.423	.414	.411	.398	.427	.408	.432	.412	.417	.417	.399	.399	.383
		19	.412	.411	.403	.414	.427	.429	.419	.412	.408	.419	.419	.419	.401
		20	.444	.447	.437	.436	.443	.436	.431	.437	.440	.442	.445	.445	.431
		21	.423	.419	.415	.407	.385	.407	.419	.392	.419	.389	.413	.413	.376
		22	.391	.397	.415	.415	.379	.407	.408	.389	.408	.396	.406	.406	.419
		23	.468	.461	.464	.463	.459	.455	.443	.430	.439	.419	.449	.449	.434
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	.439	.415	.413	.423	.396	.375	.384	.408	.404	.403	.424	.424	.385
		26	.387	.408	.399	.400	.393	.374	.383	.386	.396	.383	.370	.370	.365
		27	.416	.410	.431	.426	.426	.421	.416	.407	.415	.411	.409	.409	.398
		28	.443	.436	.429	.437	.432	.414	.413	.391	.363	.366	.396	.396	.403
		29	.394	.387	.400	.404	.399	.372	.392	.406	.391	.401	.371	.371	.401
		30	.418	.416	.438	.441	.408	.401	.396	.404	.404	.398	.370	.370	.383
		October	1	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		.412	.412	.413	.416	.410	.405	.400	.395	.397	.392	.397	.392		

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.
11	12	13	14	15	16	17	18	19	20	21	22	
82	86	90	92	86	93	86	85	85	94	97	97	91
—	—	—	—	—	—	—	—	—	—	—	—	90
96	89	88	89	97	97	96	96	96	92	89	88	93
94	95	94	94	97	96	94	94	94	90	93	93	94
96	93	96	97	92	90	97	96	97	97	94	92	89
90	96	93	92	90	90	91	90	91	89	89	85	79
76	76	78	79	77	76	78	78	80	78	74	82	81
80	78	84	85	82	85	82	81	81	84	78	82	82
—	—	—	—	—	—	—	—	—	—	—	—	82
86	84	84	84	86	86	85	86	86	85	84	79	79
81	80	81	80	81	81	81	86	82	80	73	71	78
78	79	83	87	84	83	80	77	77	77	77	72	82
92	92	92	91	91	92	91	92	92	87	86	86	83
82	87	82	82	84	89	88	85	84	83	82	80	81
83	84	82	84	83	85	88	87	84	81	76	77	81
—	—	—	—	—	—	—	—	—	—	—	—	81
86	89	88	87	86	84	87	87	82	83	85	78	84
87	88	91	89	88	87	88	87	89	87	92	79	85
88	89	91	88	91	92	89	87	87	95	93	82	89
92	95	95	88	92	91	91	87	91	87	81	78	83
87	85	82	89	81	88	83	80	91	91	91	86	89
92	95	93	96	96	95	96	96	96	97	97	98	94
—	—	—	—	—	—	—	—	—	—	—	—	86
97	92	93	93	93	95	92	95	95	95	86	84	88
88	85	89	88	96	94	90	88	88	91	85	78	88
86	90	90	93	97	97	94	97	97	97	97	96	94
94	95	96	93	93	93	97	96	96	94	97	95	90
92	92	92	93	90	90	89	93	94	92	93	82	87
87	86	89	86	85	91	94	94	94	97	91	88	—
97	—	—	—	—	—	—	—	—	—	—	—	93
—	95	91	97	97	97	96	97	97	97	96	88	86
88	88	89	89	89	90	89	89	89	89	87	84	86
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.356	.366	.387	.390	.362	.395	.360	.360	.373	.404	.416	.441	.396
.423	—	—	—	—	—	—	—	—	—	—	—	.406
—	.373	.371	.380	.403	.403	.393	.398	.393	.396	.393	.411	.412
.407	.401	.401	.395	.408	.403	.395	.395	.401	.393	.414	.418	.406
.406	.388	.397	.400	.396	.383	.393	.380	.397	.397	.404	.406	.386
.376	.400	.384	.379	.370	.370	.373	.358	.376	.367	.380	.377	.358
.326	.332	.339	.345	.330	.323	.336	.336	.353	.362	.355	.389	.371
.341	.339	.363	.373	.356	.363	.347	.350	.356	.380	.371	.393	.387
.380	—	—	—	—	—	—	—	—	—	—	—	.370
—	.377	.377	.374	.388	.388	.377	.388	.383	.383	.396	.384	.370
.362	.353	.362	.345	.356	.356	.356	.382	.369	.357	.353	.360	.370
.365	.368	.385	.396	.386	.382	.367	.351	.353	.364	.383	.370	.403
.433	.436	.432	.429	.422	.425	.416	.416	.425	.416	.431	.435	.405
.379	.401	.376	.376	.393	.419	.411	.386	.383	.382	.389	.400	.392
.389	.383	.373	.389	.379	.386	.404	.393	.386	.386	.384	.408	.405
.399	—	—	—	—	—	—	—	—	—	—	—	.407
—	.413	.404	.405	.396	.386	.401	.389	.425	.399	.432	.414	.415
.389	.401	.422	.406	.401	.395	.404	.395	.406	.403	.412	.401	.425
.408	.413	.416	.401	.413	.419	.403	.398	.401	.441	.431	.432	.400
.425	.430	.434	.401	.416	.409	.409	.391	.409	.408	.404	.400	.413
.393	.386	.373	.406	.370	.391	.379	.367	.416	.413	.422	.419	.431
.412	.417	.411	.417	.411	.414	.416	.419	.419	.432	.445	.463	.396
.431	—	—	—	—	—	—	—	—	—	—	—	.396
—	.406	.404	.417	.417	.411	.399	.417	.421	.424	.399	.416	.396
.388	.360	.393	.385	.409	.404	.390	.371	.374	.396	.383	.378	.396
.373	.387	.390	.401	.406	.411	.404	.409	.418	.418	.421	.432	.409
.404	.401	.406	.388	.392	.388	.405	.397	.404	.407	.419	.427	.403
.402	.399	.396	.401	.390	.379	.380	.398	.398	.402	.411	.389	.391
.378	.366	.384	.365	.360	.386	.395	.395	.395	.415	.409	.408	.406
.388	—	—	—	—	—	—	—	—	—	—	—	.406
—	.401	.403	.405	.408	.408	.393	.405	.411	.428	.426	.398	.398
.390	.388	.392	.391	.390	.392	.389	.386	.394	.399	.403	.407	.398



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 } St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	OCTOBER.	2	88	91	82	85	82	87	93	95	97	97	99	97	
		3	93	87	87	86	86	87	88	89	86	92	91	86	
		4	87	87	81	82	82	82	87	87	87	86	89	86	
		5	80	73	73	79	81	78	92	85	89	87	85	86	
		6	82	71	74	76	82	76	82	87	93	88	89	91	
		7	79	77	78	82	82	77	81	87	87	88	85	87	
		8	—	—	—	—	—	—	—	—	—	—	—	—	
		9	92	87	94	87	91	91	95	96	96	96	95	93	93
		10	91	93	91	88	88	91	92	92	92	92	93	96	93
		11	89	87	87	88	91	91	89	92	93	93	95	93	93
		12	86	87	82	79	79	79	88	84	87	87	87	88	89
		13	81	76	73	71	72	77	79	87	87	89	89	87	89
		14	78	84	84	78	82	79	86	88	88	89	89	91	91
		15	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	88	80	77	82	77	80	79	83	86	91	91	93	97
		17	75	75	72	75	76	74	78	83	82	77	78	80	80
		18	74	68	70	70	73	72	81	83	76	76	80	80	80
		19	68	75	69	72	71	72	79	82	92	95	95	91	91
		20	97	97	83	83	94	96	96	97	89	91	91	91	89
		21	85	79	78	79	77	84	84	89	93	95	95	95	95
		22	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	88	86	91	93	93	92	95	96	92	92	89	96	96
		24	87	92	94	96	91	88	92	95	95	95	97	97	97
		25	86	79	87	89	87	87	92	95	95	95	95	95	93
		26	88	76	85	91	89	93	96	99	96	96	96	95	96
		27	89	82	89	86	86	88	88	93	93	95	95	93	96
		28	78	80	77	78	82	91	88	92	91	92	92	92	92
		29	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	75	71	69	66	67	71	77	79	82	84	84	84	85
		31	73	71	63	65	64	72	77	77	80	84	84	86	87
		Hourly Means		84	81	80	81	82	83	87	89	89	90	91	91
		Tension of the Vapour.	OCTOBER.	2	.411	.422	.409	.424	.420	.429	.431	.424	.423	.423	.425
3	.442			.419	.429	.413	.412	.414	.408	.396	.380	.406	.396	.385	
4	.412			.421	.409	.412	.416	.393	.405	.398	.386	.388	.396	.377	
5	.427			.402	.406	.424	.423	.394	.429	.389	.403	.383	.380	.380	
6	.416			.391	.400	.410	.420	.385	.396	.401	.431	.404	.406	.409	
7	.401			.416	.412	.432	.420	.383	.384	.396	.398	.404	.383	.395	
8	—			—	—	—	—	—	—	—	—	—	—	—	
9	.463			.452	.464	.445	.445	.436	.434	.429	.423	.414	.404	.404	
10	.437			.442	.445	.436	.436	.433	.425	.419	.412	.421	.426	.414	
11	.450			.431	.439	.440	.441	.433	.416	.422	.424	.430	.418	.421	
12	.458			.465	.455	.445	.461	.443	.429	.420	.423	.412	.411	.410	
13	.423			.418	.426	.424	.422	.412	.397	.419	.414	.416	.401	.406	
14	.408			.450	.446	.420	.436	.408	.419	.417	.411	.410	.416	.419	
15	—			—	—	—	—	—	—	—	—	—	—	—	
16	.432			.423	.431	.429	.418	.427	.408	.402	.406	.422	.427	.447	
17	.415			.430	.411	.415	.418	.402	.393	.402	.376	.350	.358	.367	
18	.375			.373	.380	.389	.394	.377	.391	.392	.344	.344	.359	.351	
19	.375			.399	.392	.395	.387	.390	.397	.396	.436	.441	.434	.416	
20	.478			.478	.458	.467	.491	.466	.459	.455	.425	.416	.413	.406	
21	.424			.408	.423	.416	.404	.416	.409	.416	.418	.427	.421	.424	
22	—			—	—	—	—	—	—	—	—	—	—	—	
23	.448			.443	.441	.450	.438	.436	.434	.432	.412	.393	.429	.426	
24	.446			.467	.469	.474	.453	.444	.448	.441	.437	.447	.439	.453	
25	.431			.431	.445	.438	.414	.418	.436	.434	.430	.430	.430	.430	
26	.417			.418	.443	.453	.446	.431	.439	.431	.429	.429	.421	.441	
27	.438			.428	.446	.423	.423	.432	.414	.424	.418	.427	.421	.432	
28	.416			.427	.424	.404	.405	.429	.408	.409	.406	.412	.409	.406	
29	—			—	—	—	—	—	—	—	—	—	—	—	
30	.395			.387	.398	.379	.382	.384	.383	.377	.373	.383	.380	.380	
31	.398			.403	.369	.378	.374	.380	.387	.364	.379	.390	.393	.401	
Hourly Means				.425	.425	.426	.424	.423	.415	.415	.412	.408	.409	.408	.408

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.
11	12	13	14	15	16	17	18	19	20	21	22	
97	97	97	97	97	98	97	97	96	94	94	87	93
85	89	85	86	85	89	89	89	89	93	88	86	88
88	86	88	88	89	88	91	89	86	84	81	78	86
88	85	87	82	82	86	89	85	85	88	91	83	84
93	95	93	93	89	90	90	90	88	87	83	79	86
—	—	—	—	—	—	—	—	—	—	—	—	—
87	95	93	96	94	97	97	97	97	97	97	97	89
95	93	94	94	93	97	97	97	97	96	97	97	94
95	95	96	97	95	95	96	96	96	96	96	93	94
95	95	95	95	97	97	97	97	97	94	92	91	93
91	91	91	91	86	89	91	91	91	87	86	83	87
91	91	91	91	93	92	92	92	92	89	89	87	87
—	—	—	—	—	—	—	—	—	—	—	—	—
92	91	89	89	93	92	95	93	92	91	88	87	88
97	97	96	95	92	90	90	91	91	88	82	77	87
79	77	77	77	76	76	78	77	78	73	75	72	77
81	81	84	81	80	80	81	78	76	82	78	73	77
96	96	97	97	97	95	93	97	97	97	97	94	88
95	89	91	96	96	96	97	93	95	87	89	83	92
—	—	—	—	—	—	—	—	—	—	—	—	—
95	96	96	96	95	96	95	97	97	97	97	95	91
91	89	93	91	89	92	93	93	93	97	96	84	92
96	97	96	96	97	92	86	95	91	96	97	93	94
92	97	96	95	95	93	95	87	96	96	93	87	92
96	95	95	96	92	93	95	96	96	93	96	87	93
95	95	95	95	95	96	96	96	96	93	91	83	92
—	—	—	—	—	—	—	—	—	—	—	—	—
89	88	87	88	81	92	88	88	92	82	78	74	86
86	82	86	86	91	89	85	88	85	82	68	72	80
87	80	84	84	84	81	84	88	85	67	79	83	79
91	91	91	91	91	91	91	91	91	90	88	85	88
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.415	.418	.408	.408	.411	.410	.403	.395	.403	.404	.414	.401	.414
.373	.396	.366	.373	.366	.390	.387	.387	.384	.408	.395	.393	.397
.388	.379	.382	.385	.380	.374	.390	.380	.373	.380	.389	.389	.392
.391	.377	.382	.356	.359	.382	.387	.363	.377	.398	.416	.402	.393
.411	.414	.404	.401	.380	.393	.393	.396	.388	.389	.399	.394	.401
.391	—	—	—	—	—	—	—	—	—	—	—	—
—	.414	.401	.404	.401	.406	.408	.408	.411	.419	.436	.453	.407
.407	.401	.404	.404	.401	.411	.409	.411	.413	.417	.429	.438	.423
.417	.417	.419	.423	.417	.417	.411	.417	.426	.436	.437	.448	.426
.424	.424	.424	.421	.429	.434	.429	.434	.449	.457	.452	.453	.433
.416	.422	.416	.413	.413	.400	.403	.400	.413	.411	.423	.419	.424
.413	.409	.406	.403	.411	.406	.411	.409	.412	.413	.426	.431	.414
.422	—	—	—	—	—	—	—	—	—	—	—	—
—	.422	.406	.400	.421	.409	.424	.411	.419	.422	.421	.413	.419
.443	.445	.429	.417	.406	.396	.393	.403	.400	.408	.402	.396	.417
.365	.350	.347	.345	.338	.344	—	.345	.351	.339	.352	.356	.373
.347	.353	.360	.344	.341	.341	.347	.342	.344	.383	.388	.383	.364
.436	.432	.432	.434	.431	.417	.411	.419	.434	.443	.459	.461	.420
.424	.396	.406	.426	.423	.417	.396	.408	.424	.398	.423	.415	.432
.417	—	—	—	—	—	—	—	—	—	—	—	—
—	.426	.416	.416	.411	.414	.404	.413	.421	.425	.434	.441	.419
.396	.393	.411	.393	.393	.402	.401	.411	.418	.429	.459	.431	.422
.430	.434	.426	.414	.434	.399	.379	.414	.403	.423	.436	.442	.436
.419	.430	.432	.424	.421	.414	.424	.379	.413	.436	.442	.448	.427
.436	.436	.414	.429	.399	.401	.404	.411	.429	.431	.451	.443	.428
.430	.421	.421	.411	.407	.413	.413	.416	.429	.427	.433	.412	.423
.400	—	—	—	—	—	—	—	—	—	—	—	—
—	.385	.371	.374	.356	.399	.382	.378	.385	.392	.396	.379	.398
.380	.356	.369	.379	.403	.393	.360	.391	.383	.396	.349	.372	.381
.401	.363	.383	.383	.360	.393	.354	.378	.370	.323	.397	.402	.380
.407	.404	.401	.399	.397	.399	.397	.397	.403	.408	.417	.416	.410

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 St. Helena Time. }		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	NOVEMBER.	1	87	74	73	80	77	79	74	80	82	80	80	84	
		2	77	65	68	70	73	80	84	84	83	84	86	88	
		3	70	70	74	70	63	73	77	77	82	84	87	87	
		4	78	75	79	72	70	63	75	81	84	87	87	86	86
		5	—	—	—	—	—	—	—	—	—	—	—	—	—
		6	77	74	70	75	76	82	83	81	79	81	81	81	88
		7	85	79	75	81	91	87	85	88	88	92	91	91	93
		8	91	84	81	78	81	78	85	82	82	82	82	82	82
		9	78	78	68	79	78	80	82	82	82	83	82	83	84
		10	75	71	75	68	72	71	79	81	84	84	84	84	86
		11	78	79	78	78	67	87	76	78	82	83	83	88	84
		12	—	—	—	—	—	—	—	—	—	—	—	—	—
		13	87	82	82	75	79	83	87	87	88	83	87	87	93
		14	94	82	77	83	90	92	88	89	86	86	88	88	87
		15	91	96	96	90	94	91	95	94	95	94	94	94	96
		16	97	98	97	97	97	95	96	96	97	92	97	97	97
		17	97	93	96	99	99	96	97	97	97	97	97	97	97
		18	87	89	91	85	89	86	88	89	94	94	97	94	94
		19	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	69	66	60	61	67	70	75	77	78	81	82	82	88
		21	57	58	59	55	57	85	62	67	70	73	77	77	73
		22	65	60	57	57	62	62	70	77	78	73	81	81	82
		23	75	67	67	70	65	67	75	79	81	83	83	83	83
		24	70	67	64	63	70	70	70	72	77	78	78	78	76
		25	67	70	71	64	64	66	67	74	77	78	78	78	78
		26	—	—	—	—	—	—	—	—	—	—	—	—	—
		27	87	75	77	87	86	92	91	95	96	97	97	97	99
		28	99	98	99	98	98	98	98	98	99	97	99	99	97
		29	96	93	97	93	88	90	90	92	91	94	95	95	97
		30	99	77	85	86	89	92	89	94	94	96	94	94	97
		Hourly Means		82	78	78	78	79	81	82	84	86	86	87	88
Tension of the Vapour.	NOVEMBER.	1	.386	.412	.417	.419	.424	.394	.372	.379	.376	.373	.370	.383	
		2	.395	.355	.386	.382	.398	.411	.420	.406	.392	.380	.393	.394	
		3	.385	.402	.400	.402	.366	.406	.390	.384	.396	.396	.357	.408	
		4	.415	.422	.416	.387	.378	.360	.388	.402	.402	.412	.406	.393	.393
		5	—	—	—	—	—	—	—	—	—	—	—	—	—
		6	.400	.404	.409	.407	.410	.424	.412	.384	.374	.376	.376	.376	.411
		7	.421	.416	.415	.438	.468	.450	.424	.419	.411	.425	.416	.416	.431
		8	.479	.439	.434	.438	.434	.412	.413	.399	.389	.389	.386	.386	.382
		9	.411	.415	.367	.424	.411	.415	.409	.389	.385	.382	.382	.382	.386
		10	.419	.405	.427	.409	.420	.405	.408	.399	.406	.403	.396	.406	.406
		11	.420	.428	.431	.438	.407	.422	.398	.396	.405	.405	.432	.403	.403
		12	—	—	—	—	—	—	—	—	—	—	—	—	—
		13	.446	.457	.448	.434	.454	.443	.450	.439	.440	.405	.427	.450	.450
		14	.469	.459	.446	.455	.461	.452	.436	.430	.406	.406	.421	.414	.414
		15	.499	.518	.516	.504	.507	.480	.487	.473	.476	.469	.468	.474	.474
		16	.526	.539	.514	.512	.516	.495	.493	.485	.489	.467	.491	.481	.481
		17	.507	.498	.499	.509	.505	.507	.489	.487	.487	.480	.463	.468	.468
		18	.454	.474	.471	.466	.463	.447	.455	.442	.461	.445	.459	.457	.457
		19	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	.390	.393	.377	.393	.397	.406	.415	.395	.390	.384	.379	.390	.390
		21	.345	.367	.361	.351	.368	.363	.376	.365	.364	.369	.383	.366	.366
		22	.370	.373	.373	.362	.373	.372	.394	.412	.407	.382	.421	.421	.421
		23	.407	.400	.394	.419	.399	.409	.415	.408	.399	.412	.419	.419	.419
		24	.415	.414	.407	.388	.411	.402	.385	.377	.393	.393	.390	.380	.380
		25	.410	.428	.440	.415	.430	.449	.428	.412	.412	.408	.407	.403	.403
		26	—	—	—	—	—	—	—	—	—	—	—	—	—
		27	.504	.492	.500	.535	.527	.544	.514	.518	.512	.509	.514	.520	.520
		28	.552	.560	.571	.550	.556	.552	.543	.543	.533	.526	.533	.511	.511
		29	.527	.530	.529	.526	.511	.504	.499	.478	.464	.473	.483	.489	.489
		30	.454	.456	.473	.478	.482	.486	.463	.469	.461	.461	.468	.476	.476
		Hourly Means		.439	.441	.439	.440	.441	.439	.434	.427	.424	.420	.425	.428

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.
11	12	13	14	15	16	17	18	19	20	21	22	
79	79	81	90	89	90	89	93	93	91	79	86	83
88	88	82	94	88	90	81	77	80	91	88	79	82
87	80	86	76	80	79	80	86	84	83	82	84	79
—	—	—	—	—	—	—	—	—	—	—	—	78
75	79	79	79	80	79	79	80	84	80	77	76	82
83	87	86	86	85	85	84	86	87	86	82	87	90
93	95	95	92	95	93	95	95	96	96	96	80	84
86	82	84	81	84	91	84	85	86	82	79	96	83
86	87	87	87	87	85	86	87	88	84	81	78	82
87	86	87	87	87	87	88	92	87	84	87	81	86
—	—	—	—	—	—	—	—	—	—	—	—	89
92	96	89	91	87	89	96	96	97	94	94	82	85
92	97	94	93	95	96	96	96	96	87	91	92	95
97	93	87	82	82	82	88	89	87	87	94	94	97
96	96	96	94	97	97	97	98	97	97	99	89	97
94	94	97	97	98	97	98	98	98	98	99	97	97
96	97	97	97	97	97	97	97	96	97	96	99	85
—	—	—	—	—	—	—	—	—	—	—	—	75
82	83	86	86	78	79	78	77	75	73	75	94	69
86	84	86	84	84	81	76	72	72	71	67	69	69
79	75	78	73	75	72	74	71	70	68	64	66	74
85	87	85	80	79	76	78	79	84	79	72	69	77
84	81	87	86	82	81	84	77	78	76	70	72	74
77	79	79	78	79	81	79	79	77	73	73	72	78
—	—	—	—	—	—	—	—	—	—	—	—	93
84	84	84	85	85	85	87	85	87	86	87	72	98
97	97	97	99	97	97	97	99	99	98	99	99	92
97	98	97	99	99	97	97	97	97	96	96	99	92
96	96	96	94	91	89	86	92	87	87	85	92	92
97	93	91	88	94	96	96	96	91	92	91	83	85
88	88	88	88	87	87	87	88	87	86	85	83	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.361	.361	.373	.396	.390	.396	.393	.408	.408	.396	.387	.391	.390
.404	.398	.365	.398	.378	.393	.350	.339	.363	.413	.414	.420	.390
.403	.371	.396	.344	.350	.348	.353	.385	.396	.408	.412	.406	.386
—	—	—	—	—	—	—	—	—	—	—	—	—
.341	.361	.361	.357	.365	.357	.357	.367	.386	.379	.383	.418	.384
.385	.405	.393	.389	.386	.383	.374	.386	.398	.406	.402	.407	.396
.424	.430	.430	.419	.417	.411	.417	.424	.427	.439	.455	.459	.429
.393	.379	.386	.376	.377	.396	.377	.386	.393	.392	.397	.393	.402
.393	.395	.395	.389	.383	.383	.388	.391	.401	.396	.402	.421	.396
.405	.396	.396	.398	.401	.398	.401	.422	.405	.403	.433	.428	.408
—	—	—	—	—	—	—	—	—	—	—	—	—
.429	.445	.410	.419	.398	.410	.432	.429	.432	.449	.457	.452	.423
.440	.451	.453	.427	.441	.434	.436	.439	.441	.409	.449	.473	.441
.459	.446	.405	.379	.386	.379	.414	.423	.425	.448	.476	.490	.433
.470	.468	.461	.464	.466	.472	.476	.489	.495	.512	.513	.531	.487
.472	.472	.474	.476	.474	.476	.478	.482	.485	.489	.508	.509	.492
.466	.472	.465	.457	.461	.461	.445	.457	.453	.472	.474	.465	.477
—	—	—	—	—	—	—	—	—	—	—	—	—
.382	.367	.396	.399	.362	.371	.365	.364	.365	.376	.399	.386	.418
.399	.386	.403	.396	.400	.377	.348	.336	.350	.354	.360	.366	.383
.397	.378	.387	.359	.365	.344	.356	.344	.348	.352	.350	.373	.364
.436	.443	.432	.400	.391	.380	.388	.397	.420	.397	.383	.394	.397
.420	.404	.433	.416	.402	.399	.413	.380	.391	.393	.385	.414	.406
.390	.391	.397	.384	.394	.399	.391	.391	.393	.392	.406	.414	.396
—	—	—	—	—	—	—	—	—	—	—	—	—
.446	.435	.435	.436	.428	.424	.439	.428	.436	.458	.481	.469	.432
.514	.511	.511	.513	.511	.518	.518	.520	.524	.526	.541	.550	.519
.514	.514	.507	.505	.509	.499	.495	.499	.503	.499	.505	.502	.524
.478	.474	.478	.468	.449	.446	.423	.463	.441	.450	.462	.462	.480
.470	.454	.441	.428	.457	.451	.463	.447	.437	.459	.464	.469	.461
.427	.423	.422	.415	.413	.412	.411	.415	.420	.426	.435	.441	.427

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.															
Hours of Mean Göttingen Time.			1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean St. Helena Time.		23	0	1	2	3	4	5	6	7	8	9	10		
Humidity of the Air.	DECEMBER.	1	84	79	73	81	80	87	88	78	91	89	91	92	
		2	83	86	80	76	78	80	85	89	91	91	91	89	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	97	97	94	87	84	88	90	92	92	95	96	97	97
		5	98	98	98	95	95	95	97	97	97	97	97	97	97
		6	97	96	97	96	93	95	95	96	96	97	97	97	96
		7	94	95	90	97	96	96	96	96	95	96	97	96	97
		8	92	88	89	86	91	86	89	89	95	95	94	95	94
		9	79	82	79	80	91	95	91	95	95	95	95	44	95
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	80	84	95	84	93	89	90	91	92	94	94	95	95
		12	80	87	87	78	79	80	88	90	90	86	86	84	84
		13	72	67	74	71	64	79	80	88	89	89	89	89	91
		14	74	67	73	76	80	82	87	88	90	91	90	90	91
		15	71	66	67	68	75	75	78	82	80	84	76	76	84
		16	68	67	67	65	73	75	76	73	83	77	76	76	76
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	72	70	69	71	70	68	74	76	83	83	75	69	69
		19	66	65	60	67	71	67	74	79	83	85	88	85	85
		20	74	75	66	62	64	64	64	71	80	84	87	82	82
		21	76	76	69	63	63	63	64	71	77	83	85	86	86
		22	67	66	64	63	64	66	65	68	75	78	80	82	82
		23	80	78	75	69	71	71	79	84	87	90	91	86	86
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	98	96	98	96	95	96	95	98	95	97	96	97	97
		27	83	94	86	88	77	82	87	91	91	91	88	92	92
		28	65	65	72	65	68	74	80	76	81	82	85	88	88
		29	79	72	72	84	72	71	81	86	89	89	90	87	87
		30	98	94	85	96	94	91	96	98	98	98	98	99	99
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		81	80	79	78	79	81	84	86	89	90	89	89		
Tension of the Vapour.	DECEMBER.	1	In. .474	In. .481	In. .473	In. .485	In. .454	In. .481	In. .475	In. .490	In. .475	In. .465	In. .468	In. .474	
		2	.462	.474	.485	.468	.478	.474	.477	.482	.487	.483	.479	.459	
		3	—	—	—	—	—	—	—	—	—	—	—	—	
		4	.548	.531	.541	.531	.528	.515	.516	.505	.510	.516	.520	.520	.520
		5	.556	.552	.556	.544	.552	.535	.533	.526	.522	.522	.522	.522	.522
		6	.526	.533	.520	.503	.513	.503	.499	.505	.497	.493	.495	.487	.487
		7	.511	.514	.499	.493	.503	.489	.495	.483	.487	.489	.489	.491	.491
		8	.498	.491	.505	.497	.502	.486	.486	.483	.487	.476	.483	.476	.476
		9	.485	.507	.507	.510	.527	.507	.507	.495	.499	.495	.484	.487	.487
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	.485	.494	.518	.503	.513	.497	.499	.483	.486	.488	.503	.487	.487
		12	.462	.497	.504	.479	.494	.474	.492	.492	.476	.458	.446	.439	.439
		13	.466	.455	.480	.478	.445	.493	.485	.499	.482	.478	.474	.483	.483
		14	.502	.462	.496	.533	.502	.509	.497	.491	.496	.505	.518	.491	.491
		15	.467	.440	.455	.451	.470	.477	.478	.457	.435	.454	.402	.450	.450
		16	.421	.435	.443	.446	.468	.462	.449	.410	.458	.408	.402	.402	.402
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	.420	.440	.441	.458	.468	.425	.442	.437	.454	.444	.399	.369	.369
		19	.430	.443	.419	.451	.446	.420	.440	.445	.454	.458	.469	.458	.458
		20	.468	.473	.448	.430	.462	.442	.430	.448	.462	.474	.485	.440	.440
		21	.493	.494	.484	.448	.467	.455	.445	.430	.440	.459	.462	.458	.458
		22	.451	.477	.485	.481	.500	.512	.501	.451	.446	.448	.446	.475	.475
		23	.524	.540	.527	.488	.476	.468	.507	.514	.509	.528	.531	.486	.486
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25 <sup>a</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
		26	.569	.583	.563	.556	.556	.552	.535	.539	.510	.526	.520	.526	.526
		27	.505	.532	.523	.536	.485	.499	.497	.510	.507	.495	.467	.498	.498
		28	.428	.456	.475	.462	.472	.486	.485	.437	.446	.455	.474	.487	.487
		29	.505	.514	.508	.519	.481	.465	.506	.501	.514	.505	.507	.489	.489
		30	.556	.576	.558	.569	.549	.545	.552	.550	.552	.543	.543	.537	.537
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		.489	.496	.497	.492	.492	.487	.489	.483	.484	.483	.480	.476		

<sup>a</sup> Christmas-day.

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.
11	12	13	14	15	16	17	18	19	20	21	22	
95	86	80	85	87	91	89	91	92	86	88	84	86
99	97	97	97	97	97	97	97	97	97	97	85	91
96	97	96	95	96	97	97	97	97	97	99	99	95
97	99	95	97	97	97	97	97	97	97	99	98	97
97	97	97	95	96	96	94	94	93	97	94	99	96
97	97	97	97	97	95	88	89	97	97	94	91	95
96	97	97	97	97	94	96	97	93	95	89	83	93
94	94	94	96	95	95	95	97	91	91	86	91	91
96	96	96	95	87	87	89	95	95	97	91	93	92
84	85	86	85	91	86	85	87	84	88	79	87	85
91	91	91	88	94	91	81	82	95	91	88	76	84
91	89	89	89	87	92	79	95	78	85	83	76	84
75	77	76	76	72	75	77	73	84	73	79	74	76
87	82	84	87	85	73	70	76	73	79	80	74	76
78	71	78	78	77	86	87	72	78	81	79	67	75
88	87	87	87	87	87	89	89	86	84	76	76	80
84	86	81	86	89	91	90	90	91	91	92	71	80
88	89	88	89	89	87	88	87	89	88	74	84	80
87	86	80	84	82	88	88	89	89	87	75	69	77
97	97	94	97	97	97	98	96	98	96	98	78	88
97	95	94	94	92	91	90	96	97	92	96	98	95
83	82	83	79	78	81	82	82	79	75	73	87	84
88	86	88	91	91	91	91	94	90	78	76	75	81
93	91	89	96	98	96	91	90	94	98	94	85	87
99	95	99	99	99	97	99	99	97	96	99	93	96
91	90	89	90	90	90	89	90	90	89	87	84	87
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.487	.420	.400	.424	.437	.456	.453	.453	.474	.458	.491	.485	.464
—	—	—	—	—	—	—	—	—	—	—	—	.494
.516	.514	.514	.507	.507	.507	.503	.499	.503	.518	.526	.537	.521
.509	.516	.509	.495	.505	.507	.514	.514	.518	.535	.545	.548	.523
.524	.520	.495	.511	.503	.499	.499	.491	.503	.511	.520	.524	.497
.503	.503	.481	.472	.485	.485	.464	.472	.469	.501	.511	.502	.485
.485	.476	.491	.491	.485	.464	.425	.464	.481	.491	.488	.457	.486
.487	.487	.483	.480	.470	.468	.474	.480	.465	.499	.470	.519	.495
—	—	—	—	—	—	—	—	—	—	—	—	.491
.503	.484	.484	.497	.487	.487	.487	.493	.475	.487	.466	.517	.461
.495	.491	.501	.491	.445	.441	.461	.487	.499	.511	.507	.489	.475
.439	.440	.440	.436	.468	.443	.436	.445	.435	.463	.443	.465	.475
.479	.479	.479	.459	.488	.475	.413	.454	.503	.487	.487	.489	.475
.483	.466	.451	.457	.452	.478	.404	.487	.400	.458	.451	.436	.475
.395	.404	.398	.398	.383	.388	.397	.385	.446	.394	.431	.425	.428
—	—	—	—	—	—	—	—	—	—	—	—	.428
.471	.433	.450	.458	.443	.379	.364	.395	.385	.431	.462	.400	.429
.423	.377	.415	.415	.400	.443	.446	.370	.419	.459	.458	.465	.450
.471	.456	.452	.443	.441	.437	.461	.465	.454	.470	.457	.450	.460
.442	.447	.417	.443	.459	.475	.472	.476	.465	.496	.494	.499	.467
.479	.486	.483	.482	.474	.463	.466	.461	.490	.489	.457	.456	.484
.497	.478	.482	.474	.459	.499	.502	.509	.518	.521	.499	.513	.526
—	—	—	—	—	—	—	—	—	—	—	—	.520
.533	.539	.518	.524	.526	.535	.537	.533	.556	.558	.573	.601	.520
—	—	—	—	—	—	—	—	—	—	—	—	.469
.522	.507	.496	.492	.482	.475	.468	.501	.505	.498	.509	.497	.476
.440	.436	.443	.424	.419	.429	.433	.433	.428	.430	.433	.452	.511
.483	.466	.473	.495	.499	.495	.499	.507	.499	.458	.473	.513	.537
.522	.510	.494	.533	.526	.518	.495	.492	.524	.543	.545	.556	.482
—	—	—	—	—	—	—	—	—	—	—	—	
.537	.540	.524	.516	.520	.511	.509	.520	.505	.516	.524	.541	
.485	.475	.471	.473	.471	.470	.463	.471	.477	.487	.489	.493	



**ST. HELENA, 1843.**

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**METEOROLOGICAL JOURNAL.**



Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.										
JANUARY.															
SUNDAY.															
D.	H.	D.	H.	°	°	°	Feet.		°	°	°	°	In.		
1	15	1	16	Rain.	61.2	S. 60 E.	0.7	—	1.0	Overcast; very dark; light rain	68.0	60.3	84.7	59.4	0.50
1	21	1	22	62.8	63.0	S. 44 E.	0.8	1900	1.0	Overcast; dull; strat.					
2	03	2	04	63.0	64.1	S. 44 E.	1.0	1800	1.0	Overcast; thick mist; strat.					
2	09	2	10	Rain.	61.6	S. 50 E.	0.6	—	1.0	Overcast; very dark; rain					
2	15	2	16	59.5	61.0	S. 57 E.	0.3	—	1.0	Overcast; very dark; strat.	68.5	59.5	83.8	59.4	0.25
2	21	2	22	60.5	61.3	S. 53 E.	1.5	2100	1.0	Overcast; strat.					
3	03	3	04	59.0	67.8	S. 26 E.	1.5	2700+	0.2	Fine; a few cirr.-cum.					
3	09	3	10	60.6	62.2	S. 24 E.	0.8	—	0.7	Fair; star-light; strat.					
3	15	3	16	59.6	60.7	S. 40 E.	1.1	—	1.0	Overcast; very dark; strat.	69.9	59.5	88.4	58.2	—
3	21	3	22	57.2	61.0	S. 67 E.	0.8	2700+	1.0	Overcast; hazy; strat.					
4	03	4	04	57.2	68.2	S. 47 E.	1.1	2700+	0.6	Fine; small cum. and cirr.					
4	09	4	10	60.5	61.8	S. 44 E.	—	—	0.9	Fair; a few dim stars; strat.	69.9	60.2	88.0	59.1	0.25
4	15	4	16	60.0	61.2	S. 58 E.	—	—	1.0	Overcast; dark; strat.					
4	21	4	22	60.1	62.2	S. 58 E.	—	1600	1.0	Overcast; showery; strat.					
5	03	5	04	61.1	65.4	S. 50 E.	—	2700+	0.7	Fair; cum. and strat.					
5	09	5	10	60.7	61.8	S. 43 E.	—	2700+	0.8	Fair; a few stars; strat.					
5	15	5	16	60.2	60.8	S. 43 E.	—	—	1.0	Overcast; dark; strat.	70.6	59.4	96.0	57.2	—
5	21	5	22	60.2	62.1	S. 25 E.	—	2200	1.0	Overcast; light rain					
6	03	6	04	59.3	66.8	S. 40 E.	—	2700+	1.0	Fair; overcast; cum.-strat.					
6	09	6	10	60.5	62.5	S. 50 E.	—	—	1.0	Overcast; fair; strat.	71.4	60.0	—	55.4	0.25
6	15	6	16	60.1	61.5	S. 44 E.	—	—	1.0	Overcast; very dark; strat.					
6	21	6	22	59.4	63.2	S. 58 E.	—	2700	1.0	Overcast; strat.; haze					
7	03	7	04	60.0	68.0	S. 80 E.	—	2100	1.0	Overcast; cum.-strat.					
7	09	7	10	57.8	61.2	S. 68 E.	—	2700+	0.0	Sky perfectly cloudless; moonlight; stars very	71.4	59.9	98.3	54.9	—
SUNDAY.															
8	15	8	16	Rain.	61.9	S. 24 E.	—	—	1.0	Overcast; dark; rain	70.2	60.9	92.2	56.2	—
8	21	8	22	60.3	63.6	S. 50 E.	—	2700+	1.0	Overcast; cum.-strat.					
9	03	9	04	59.2	69.9	S. 44 E.	—	2700+	0.8	Fair; cum. and strat. round horizon					
9	09	9	10	61.9	63.5	S. 44 E.	—	2700+	0.9	Fair; moon at intervals; cum.-strat.					
9	15	9	16	60.6	62.9	S. 32 E.	—	—	1.0	Overcast; dark; strat.	72.0	61.7	93.8	60.9	—
9	21	9	22	58.3	65.8	S. 45 E.	—	2700+	0.7	Fair; cum. and strat.					
10	03	10	04	61.0	69.1	S. 51 E.	—	2700+	0.9	Fair; sun at intervals; cum.-strat.					
10	09	10	10	62.4	63.8	S. 52 E.	—	2400	0.9	Fair; moon at intervals; cum.-strat.					
10	15	10	16	Rain.	63.2	S. 39 E.	—	—	1.0	Overcast; dark; very light rain	70.8	62.0	90.6	60.6	—
10	21	10	22	—	64.5	S. 42 E.	—	2400	1.0	Light cum.-strat. to N. W.; light mist rising in					
11	03	11	04	62.6	68.3	S. 42 E.	—	2000	0.9	Nearly overcast; cum. and strat. in S. W.;					
11	09	11	10	61.7	63.8	S. 51 E.	—	1800	0.9	Faint moonlight; cum.-strat. [densely clouded	71.6	62.4	91.8	62.0	—
11	15	11	16	58.6	62.8	S. 31 E.	—	—	1.0	Overcast; dark; strat.					
11	21	11	22	62.6	65.7	S. 52 E.	—	2600	1.0	Overcast; cum.-strat.					
12	03	12	04	—	70.8	S. 52 E.	—	2700+	0.1	Sky very clear; a few cum.-strat.					
12	09	12	10	62.9	64.0	S. 53 E.	—	2000	1.0	Overcast; strat.					
12	15	12	16	62.0	62.6	S. 55 E.	—	—	1.0	Overcast; dark; strat.	73.4	61.2	93.4	—	—
12	21	12	22	60.8	66.9	S. 50 E.	—	2700+	0.4	Fine; a few strat. in N. horizon					
13	03	13	04	62.5	69.4	S. 47 E.	—	2000	0.9	Fair; cum.					
13	09	13	10	62.3	63.8	S. 52 E.	—	1800	1.0	Overcast; strat.					
13	15	13	16	61.0	62.4	S. 39 E.	—	2000	0.8	Fair; cum.-strat.	71.5	61.4	—	60.1	—
13	21	13	22	62.0	64.7	S. 44 E.	—	2200	0.9	Fair; sun at intervals; cum.-strat.					
14	03	14	04	60.9	68.3	S. 51 E.	—	2500	0.9	Fair; cum.-strat.					
14	09	14	10	61.6	63.4	S. 44 E.	—	2200	0.9	Cloudy; faint moonlight; cum.-strat.	70.2	61.2	83.0	60.2	—
SUNDAY.															
15	15	15	16	Rain.	62.1	S. 42 E.	—	2700+	1.0	Overcast; cum.-strat.; a few drops of rain	71.6	61.0	96.8	60.0	—
15	21	15	22	60.4	64.5	S. 56 E.	—	2700+	0.9	Fair; cum.-strat.					
16	03	16	04	59.8	68.4	S. 51 E.	—	2700	1.0	Overcast; cum.; a few drops of rain					
16	09	16	10	62.3	63.7	S. 50 E.	—	2700+	0.9	Cloudy; faint moonlight; cum.-strat.					
16	15	16	16	60.7	61.9	S. 53 E.	—	2000	0.9	Cloudy; strat. and cum.	71.0	60.5	91.8	59.1	0.25
16	21	16	22	61.1	64.2	S. 54 E.	—	2000	1.0	Overcast; cum.-strat.					
17	03	17	04	60.8	67.9	S. 60 E.	—	1900	0.8	Fair; cum. and strat.					
17	09	17	10	60.7	63.0	S. 55 E.	—	2700+	0.7	Fair; large masses of cum. in S. W. and N. E.	70.7	60.6	95.8	59.0	—
17	15	17	16	61.0	61.8	S. 40 E.	—	2700+	1.0	Sky perfectly obscured with moving cum.					
17	21	17	22	60.4	65.7	S. 58 E.	—	2700	0.6	Fair; cum. in horizon					

Mean Solar Time (Astronom. Reck.)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.		Göttingen.				Direction.	Force.								
JANUARY.															
D.	H.	D.	H.	°	°	°		Feet.			°	°	°	°	In.
18	03	18	04	61.0	68.0	S. 54 E.	—	2700+	0.9	Fair; sun at intervals; cum. - - -					
18	09	18	10	61.8	63.6	S. 32 E.	—	2600	0.8	Moon and stars bright; cum. and strat.	71.1	60.4	91.9	58.9	—
18	15	18	16	60.6	62.2	S. 30 .	—	1900	0.9	Moonlight; cum.-strat. - - -					
18	21	18	22	61.0	64.1	S. 59 .	—	2400	1.0	Overcast; showery - - -					
19	03	19	04	62.1	69.6	S. 38 E.	—	2700+	0.7	Fair; sun; cum.-strat. - - -					
19	09	19	10	60.7	63.6	S. 42 E.	—	—	1.0	Overcast; dark; strat. - - -	71.9	61.5	94.9	60.1	—
19	15	19	16	61.2	62.7	S. 32 E.	—	2200	1.0	Overcast; cum.-strat.; moon at intervals					
19	21	19	22	63.0	63.5	S. 46 E.	—	2200	1.0	Overcast; strat. - - -					
20	03	20	04	62.4	66.7	S. 54 E.	—	1800	0.9	Fair; sun at intervals; cum.-strat.					
20	09	20	10	62.8	64.1	S. 54 E.	—	—	1.0	Overcast; very dark; strat. - - -	71.2	62.0	92.1	61.9	—
20	15	20	16	62.2	63.1	S. 38 E.	—	1800	1.0	Overcast; faint moonlight; strat.					
20	21	20	22	61.8	66.1	S. 46 E.	—	2500	0.8	Fine; strat.; cirr. in zenith - - -					
21	03	21	04	62.7	66.8	S. 52 E.	—	2000	1.0	Overcast; strat. - - -					
21	09	21	10	62.7	63.8	S. 50 E.	—	—	1.0	Overcast - - -	69.0	61.8	87.8	61.0	—
SUNDAY.															
22	15	22	16	61.5	62.7	S. 55 E.	—	2700+	1.0	Wind in gusts; clouds passing rapidly; strat.	71.0	62.1	90.8	62.0	0.25
22	21	22	22	61.2	65.8	S. 50 E.	—	2700	0.6	Fine; light strat. in N. E. horizon - - -					
23	03	23	04	61.6	68.5	S. 56 E.	—	2600	0.9	Fine; sun; cum.-strat. - - -					
23	09	23	10	62.1	63.8	S. 40 E.	—	2700+	0.2	Fair; stars very brilliant; strat. - - -	71.7	61.5	93.9	58.5	—
23	15	23	16	61.5	62.6	S. 52 E.	—	—	1.0	Overcast; showers; strat. - - -					
23	21	23	22	61.6	64.9	S. 43 .	—	2700+	0.9	Fair; sun at intervals; cum.-strat. - - -					
24	03	24	04	61.4	70.3	S. 48 .	—	2700+	0.3	Fine; cum.-strat. in N. horizon - - -					
24	09	24	10	62.4	64.4	S. 38 .	—	—	0.4	Fair; stars bright; strat. - - -	73.4	60.8	99.9	58.9	—
24	15	24	16	61.3	62.6	S. 44 E.	—	—	0.6	Fair; cum. passing; strat. to the S. E.					
24	21	24	22	61.1	65.9	S. 51 E.	—	2000	0.8	Fair; strat. in horizon from E. to N., cum.					
25	03	25	04	61.6	71.9	S. 60 E.	—	2700+	0.7	Fair, cum. and strat. [covering the remainder					
25	09	25	10	61.2	65.0	S. 37 E.	—	—	0.9	Fair; a few stars visible; strat. - - -	75.1	62.3	105.5	56.9	—
25	15	25	16	62.7	63.1	S. 45 E.	—	—	0.9	Overcast; appearance of the Aurora in the E.					
25	21	25	22	60.1	67.2	S. 42 E.	—	2700+	0.9	Fair; cum. and strat. - - -					
26	03	26	04	61.6	70.0	S. 26 E.	—	2700+	0.9	Fair; cum. and strat. - - -					
26	09	26	10	62.5	64.7	S. 30 E.	—	—	0.4	Fair; stars bright; cum. - - -	72.9	62.7	98.4	60.2	—
26	15	26	16	62.6	63.7	S. 20 E.	—	—	0.9	Nearly overcast; strat. - - -					
26	21	26	22	61.5	65.6	S. 44 E.	—	2700+	1.0	Overcast; strat.; haze - - -					
27	03	27	04	62.9	70.3	S. 51 E.	—	2100	0.8	Fine; cum.-strat.; clear in N. horizon					
27	09	27	10	63.0	65.0	S. 46 E.	—	—	0.8	Fair; strat. in the N. W. - - -	73.2	63.0	101.7	58.1	—
27	15	27	16	61.4	63.8	S. 44 E.	—	2700+	0.1	Clear; light cumulous cloud in the E.					
27	21	27	22	63.1	65.9	S. 39 E.	—	2200	1.0	Overcast; cum.-strat. - - -					
28	03	28	04	60.4	71.6	S. 30 E.	—	2700+	0.6	Fine; large masses of cum. passing - - -					
28	09	28	10	64.3	65.5	S. 54 E.	—	—	0.9	A few bright stars in zenith, remainder covered [with strat.]	75.5	62.7	102.9	60.1	—
SUNDAY.															
29	15	29	16	63.1	63.7	S. 50 E.	—	—	1.0	Overcast; strat. - - -	73.4	62.8	99.9	59.5	—
29	21	29	22	60.4	65.4	S. 53 E.	—	2700+	1.0	Overcast; strat. - - -					
30	03	30	04	61.5	70.8	S. 40 E.	—	2700+	0.9	Fair; cum.-strat. - - -					
30	09	30	10	61.0	64.2	S. 49 E.	—	—	0.2	Fine; stars bright; cum. to the S. E.	73.9	62.6	96.7	59.9	—
30	15	30	16	60.7	63.6	S. 52 E.	—	—	1.0	Overcast; strat. - - -					
30	21	30	22	60.6	66.0	S. 56 E.	—	2700	1.0	Overcast; cum.-strat. - - -					
31	03	31	04	62.2	70.5	S. 44 E.	—	2400	0.9	Clouded; cum. strat. - - -					
31	09	31	10	Rain.	64.0	S. 66 E.	—	—	1.0	Overcast; rain - - -	72.4	61.6	93.6	60.4	—
31	15	31	16	63.1	63.3	S. 43 E.	—	—	1.0	Overcast; strat.; wind brisk - - -					
31	21	31	22	61.8	66.5	S. 48 E.	—	2700+	0.9	Fair; strat.; cum. - - -					
FEBRUARY.															
1	03	1	04	63.6	69.6	S. 52 E.	—	2600	0.9	Nearly overcast; strat.; cum. - - -					
1	09	1	10	61.8	64.5	S. 43 E.	—	—	0.9	Fair; a few dim stars; strat. - - -	72.4	62.2	94.9	60.1	0.25
1	15	1	16	60.6	63.4	S. 30 E.	—	—	1.0	Overcast; a few drops of rain; strat. - - -					
1	21	1	22	63.5	64.9	S. 48 E.	—	1900	0.9	Fair; cum.-strat. - - -					
2	03	2	04	62.6	72.2	S. 36 E.	—	2700+	0.2	Fine; strat.; cum. - - -					
2	09	2	10	62.0	64.9	S. 27 E.	—	—	0.2	Fine; strat.; cum. - - -	74.5	62.2	97.1	59.1	—
2	15	2	16	61.7	63.7	S. 30 E.	—	—	1.0	Overcast; dark; strat. - - -					
2	21	2	22	62.5	65.6	S. 35 E.	—	2700	0.2	Fine; large masses of cum.-strat. passing					
3	03	3	04	63.3	70.3	S. 40 E.	—	2700+	0.7	Fine; cum. - - -					
3	09	3	10	62.1	64.3	S. 24 E.	—	2700+	0.1	Wind in gusts; stars bright - - -	72.6	62.0	94.8	60.3	—
3	15	3	16	61.5	63.5	S. 32 E.	—	—	1.0	Overcast; strat. - - -					
3	21	3	22	61.7	66.4	S. 38 E.	—	2700+	0.9	Fine; sun at intervals; cum.-strat. - - -					

Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.	Force.									
FEBRUARY.														
D.	H.	D.	H.	°	°	°	Feet.		°	°	°	°	In.	
4	03	4	04	63.5	71.8	S. 16 E.	2700+	0.1						
4	09	4	10	62.4	65.1	S. 24 E.	—	0.9	Fine; strat. in N. horizon; cum. - - - -	72.0	62.2	94.0	60.7	—
SUNDAY.														
5	15	5	16	63.3	64.2	S. 62 E.	—	1.0	Overcast; dark; strat. - - - -	73.8	62.3	98.5	61.9	0.25
5	21	5	22	63.4	64.8	S. 40 E.	2600	0.9	Nearly overcast; strat.; showers - - - -					
6	03	6	04	63.6	69.7	S. 45 E.	1900	0.8	Fair; strat. to W.; cum. - - - -					
6	09	6	10	63.3	64.8	S. 49 E.	2000	0.9	Nearly overcast; strat. - - - -	71.2	61.8	89.4	—	0.25
6	15	6	16	62.8	64.2	S. 43 E.	—	1.0	Overcast; very dark; strat. - - - -					
6	21	6	22	63.3	64.0	S. 44 E.	1700	1.0	Overcast; strat. - - - -					
7	03	7	04	63.8	68.2	S. 45 E.	2400	0.9	Clouded; cum.; strat. - - - -					
7	09	7	10	62.8	64.2	S. 48 E.	—	1.0	Overcast; large masses of cum. and strat. - - - -	70.0	63.0	86.4	62.6	—
7	15	7	16	62.5	63.5	S. 36 E.	—	1.0	Overcast; dark; wind in gusts; strat. - - - -					
7	21	7	22	63.5	65.6	S. 53 E.	2400	1.0	Overcast; cum.-strat. - - - -					
8	03	8	04	64.6	70.2	S. 36 E.	2700	0.8	Fair; cum.-strat. to the N.W. - - - -					
8	09	8	10	62.7	64.6	S. 36 E.	2200	1.0	Overcast; cum.; strat. - - - -	72.5	63.0	94.1	62.4	—
8	15	8	16	62.5	63.5	S. 39 E.	—	1.0	Overcast; very dark; strat. - - - -					
8	21	8	22	59.2	66.9	S. 28 E.	2700+	0.1	Fine; cum. in the horizon - - - -					
9	03	9	04	60.8	67.7	S. 52 E.	2700+	0.8	Cloudy; clear in the N.W.; cum. and strat. - - - -					
9	09	9	10	61.5	64.1	S. 49 E.	2200	1.0	Overcast; cum. and strat. - - - -	72.4	60.2	94.8	59.0	—
9	15	9	16	61.2	62.9	S. 38 E.	—	1.0	Overcast; strat.; a few dim stars in zenith - - - -					
9	21	9	22	61.5	66.4	S. 55 E.	2700+	0.7	Fine; cum.-strat. - - - -					
10	03	10	04	58.6	71.5	S. 43 E.	2700+	0.5	Fine; cum. and strat. - - - -					
10	09	10	10	60.8	64.6	S. 39 E.	2700+	0.2	A few light cum. - - - -	72.0	60.6	90.1	58.8	0.25
10	15	10	16	Rain.	62.4	S. 62 E.	—	1.0	Overcast; very dark; rain - [remainder					
10	21	10	22	62.6	65.0	S. 58 E.	2400	1.0	Overcast; cum. to the W., strat. covering the					
11	03	11	04	63.6	70.9	S. 40 E.	2700+	0.6	Fine; strat.; cum. - - - -					
11	09	11	10	61.8	64.8	S. 34 E.	2700	0.7	Fine; cum. passing in large masses - - - -	73.1	62.7	95.6	60.3	—
SUNDAY.														
12	15	12	16	58.5	62.7	S. 30 E.	2700+	1.0	Overcast; cum.-strat. - - - -	69.4	61.7	94.0	58.9	—
12	21	12	22	59.5	64.6	S. 51 E.	2700+	1.0	Overcast; cum.-strat. - - - -					
13	03	13	04	59.4	70.9	S. 60 E.	2700+	0.4	Fair; cum.-strat. - - - -					
13	09	13	10	61.0	64.1	S. 40 E.	2700+	0.7	Fine; fine light cum. passing - - - -	73.9	62.7	94.1	60.0	0.25
13	15	13	16	60.8	63.9	S. 48 E.	2700+	1.0	Overcast; moonlight; strat. - - - -					
13	21	13	22	64.0	65.4	S. 37 E.	2400	1.0	Overcast; showery; strat. - - - -					
14	03	14	04	Rain.	66.0	S. 30 E.	1600	1.0	Overcast; rain and mist - - - -					
14	09	14	10	Rain.	63.6	S. 39 E.	1600	1.0	Overcast; rain and mist - - - -	69.0	62.8	83.0	—	0.25
14	15	14	16	62.3	63.7	S. 32 E.	1900	1.0	Overcast; strat. - - - -					
14	21	14	22	62.8	64.9	S. 51 E.	2000	0.9	Clouded; sun at intervals; cum.-strat. - - - -					
15	03	15	04	62.8	68.9	S. 30 E.	2700	0.7	Clouded; sun at intervals; cum.-strat. - - - -					
15	09	15	10	62.1	64.7	S. 38 E.	2700+	0.6	Fair; cum.-strat.; clear in the N.W. - - - -	71.0	62.1	93.0	58.3	—
15	15	15	16	61.3	63.2	S. 47 E.	2600	0.9	Nearly overcast; moonlight; cum.-strat. - - - -					
15	21	15	22	59.4	66.4	S. 34 E.	2700+	0.6	Fair; cirr.; cum.; strat. - - - -					
16	03	16	04	62.4	68.6	S. 53 E.	2500	0.7	Fair; cum.-strat. - - - -					
16	09	16	10	62.1	64.8	S. 42 E.	—	1.0	Overcast; strat. - - - -	71.6	62.4	96.3	61.0	—
16	15	16	16	61.7	63.6	S. 55 E.	2700+	0.9	Clouded; cum.-strat. - - - -					
16	21	16	22	61.6	66.0	S. 47 E.	2700+	0.8	Fair; cum.; cum.-strat. in N.W. horizon - - - -					
17	03	17	04	59.7	71.4	S. 40 E.	2700+	0.1	Fine; cirr.; cum.; strat. - - - -					
17	09	17	10	62.5	65.5	S. 55 E.	—	1.0	Overcast; dark; strat. - - - -	72.7	63.4	97.8	62.2	—
17	15	17	16	62.6	64.5	S. 41 E.	2200	1.0	Overcast; faint moonlight; strat. - - - -					
17	21	17	22	60.2	66.2	S. 50 E.	2700+	1.0	Overcast; haze; strat. - - - -					
18	03	18	04	63.1	72.6	S. 42 E.	2700+	0.5	Fine; strat. and cum. - - - -					
18	09	18	10	62.5	65.2	S. 42 E.	—	0.9	Clouded; a few stars in zenith; strat. - - - -	74.2	63.4	106.9	60.3	—
SUNDAY.														
19	15	19	16	59.3	63.9	S. 30 E.	2700+	1.0	Clouded; strat. - - - -	74.2	62.8	105.1	58.2	—
19	21	19	22	61.4	67.6	S. 54 E.	2700+	0.9	Fair; sun at intervals; cum.-strat. - - - -					
20	03	20	04	59.9	72.7	S. 32 E.	2700+	0.1	Fine; sun; a few small cum. passing - - - -					
20	09	20	10	62.4	65.6	S. 36 E.	2700+	0.2	Fine; strat. to the E. - - - -	75.9	62.9	103.0	58.2	—
20	15	20	16	61.2	64.4	S. 30 E.	2100	1.0	Overcast; cum.-strat. - - - -					
20	21	20	22	60.7	67.6	S. 44 E.	2700+	0.7	Fine; cum. and strat. - - - -					
21	03	21	04	61.4	72.8	S. 42 E.	2700+	0.4	Fine; sun; cum. - - - -					
21	09	21	10	57.5	64.6	S. 46 E.	2700+	0.0	Fine; sky cloudless; stars bright - - - -	74.9	62.5	104.2	53.3	—
21	15	21	16	61.3	64.3	S. 19 E.	2700+	0.6	Cum. in the horizon; moon and stars bright - - - -					
21	21	21	22	58.3	67.0	S. 24 E.	2700+	0.9	Cloudy; cum. strat. - - - -					

Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.										
FEBRUARY.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	In.		
22	03	22	04	61.7	71.7	S. 41 E.	—	2700+	0.7	Fine; sun; cum. strat.					
22	09	22	10	59.6	66.0	S. 23 E.	—	2700+	0.4	Fine; strat. in S. E. horizon	75.2	62.9	107.0	57.3	
22	15	22	16	61.3	64.9	S. 18 E.	—	2700+	0.6	Fine; cum.					
22	21	22	22	60.6	67.0	S. 35 E.	—	2700+	0.9	Nearly overcast; cum.-strat.					
23	03	23	04	59.5	73.2	S. 29 E.	—	2700+	0.2	Fine; sun; cum. passing					
23	09	23	10	61.5	66.7	S. 24 E.	—	2700+	0.0	Fine; sky cloudless; stars bright	75.8	64.2	106.0	58.1	
23	15	23	16	63.3	65.6	S. 34 E.	—	—	1.0	Overcast; strat.					
23	21	23	22	64.5	68.4	S. 38 E.	—	2700+	1.0	Overcast; strat.					
24	03	24	04	Rain.	72.2	S. 26	—	1600	1.0	Overcast; rain					
24	09	24	10	63.7	65.3	S. 34 E.	—	1600	1.0	Overcast; strat.					
24	15	24	16	60.6	64.3	S. 22 E.	—	—	0.9	Nearly overcast; strat.	75.2	63.4	105.1	59.9	0.25
24	21	24	22	61.1	68.0	S. 48 E.	—	2700+	0.9	Fair; cum.-strat.					
25	03	25	04	66.0	71.6	S. 9 E.	—	2500	0.9	Nearly overcast; showers; cum.-strat.					
25	09	25	10	Rain.	67.1	S. 20 E.	—	—	1.0	Thick mist; rain; very dark	74.7	65.8	105.5	66.0	0.75
SUNDAY.															
26	15	26	16	66.9	66.6	S. 56 E.	—	—	1.0	Overcast; dark; strat.	68.9	65.5	74.9	66.2	0.75
26	21	26	22	Rain.	66.7	S. 53 E.	—	1600	1.0	Thick mist; rain					
27	03	27	04	66.5	66.3	S. 53 E.	—	1600	1.0	Overcast; thick mist; strat.					
27	09	27	10	64.5	65.1	S. 45 E.	—	—	0.9	Nearly overcast; dark; strat.	69.6	62.5	87.3	63.0	0.50
27	15	27	16	Rain.	63.2	S. 47 E.	—	1600	1.0	Overcast; dark; mist and rain					
27	21	27	22	63.8	64.5	S. 28 E.	—	2400	0.9	Nearly overcast; cum.-strat.					
28	03	28	04	64.3	67.7	S. 37 E.	—	2400	0.9	Fair; sun at intervals; cum.-strat.					
28	09	28	10	62.1	64.2	S. 42 E.	—	—	1.0	Overcast; dark; strat.					
28	15	28	16	60.4	63.2	S. 40 E.	—	—	1.0	Wind in gusts; overcast; dark	71.1	60.7	91.7	57.4	0.25
28	21	28	22	61.5	64.0	S. 56 E.	—	2700+	1.0	Overcast; cum.-strat.					
MARCH.															
1	03	1	04	64.6	70.5	S. 53 E.	—	2700+	0.7	Fair; sun; cum.-strat.					
1	09	1	10	62.6	64.7	S. 35 E.	—	—	1.0	Overcast; dark; strat.	71.8	62.0	97.0	60.9	—
1	15	1	16	62.5	63.9	S. 22 E.	—	—	0.9	Nearly overcast; strat.					
1	21	1	22	63.6	66.0	S. 49 E.	—	2600	0.8	Cloudy; cum.-strat.					
2	03	2	04	64.2	68.2	S. 50 E.	—	2400	0.9	Nearly overcast; sun at intervals; cum. and					
2	09	2	10	63.6	64.5	S. 45 E.	—	—	1.0	Overcast; dark; strat.	70.3	62.5	96.5	61.2	0.25
2	15	2	16	Rain.	63.6	S. 50 E.	—	—	1.0	Overcast; dark; rain					
2	21	2	22	64.0	64.5	S. 54 E.	—	1600	1.0	Overcast; thick mist; strat.					
3	03	3	04	65.5	66.5	S. 50 E.	—	2200	1.0	Overcast; cum.-strat.					
3	09	3	10	Rain.	64.0	S. 50 E.	—	—	1.0	Overcast; very dark; rain	69.1	61.9	86.1	61.4	0.75
3	15	3	16	63.0	63.2	S. 54 E.	—	—	1.0	Overcast; dark; showery					
3	21	3	22	62.9	64.2	S. 52 E.	—	2200	1.0	Overcast; showery; strat.					
4	03	4	04	63.6	66.3	S. 30 E.	—	2400	1.0	Overcast; strat.					
4	09	4	10	58.9	63.3	S. 53 E.	—	2700+	0.5	Fair; stars very bright; strat.	70.7	62.3	94.2	58.2	—
SUNDAY.															
5	15	5	16	61.3	64.0	S. 35 E.	—	—	1.0	Overcast; very dark; strat.	73.4	63.2	102.0	61.0	—
5	21	5	22	64.4	66.0	S. 32 E.	—	1600	1.0	Overcast; thick mist; strat.					
6	03	6	04	64.6	70.7	S. 48 E.	—	2700+	0.5	Fair; sun; cum.; strat.					
6	09	6	10	62.6	64.8	S. 36 E.	—	—	0.9	Nearly overcast; strat.	72.0	62.6	93.4	62.1	—
6	15	6	16	59.5	63.7	S. 46 E.	—	—	1.0	Overcast; dark; strat.					
6	21	6	22	62.0	66.0	S. 53 E.	—	2700+	1.0	Overcast; haze; strat.					
7	03	7	04	63.4	70.4	S. 38 E.	—	2700+	1.0	Overcast; fair; strat.					
7	09	7	10	64.3	66.0	S. 39 E.	—	2000	1.0	Overcast; strat.	71.9	63.3	91.5	64.0	0.75
7	15	7	16	63.5	64.6	S. 40 E.	—	—	1.0	Overcast; dark; strat.					
7	21	7	22	Rain.	65.6	S. 49 E.	—	1600	1.0	Overcast; thick mist and rain					
8	03	8	04	65.9	68.6	S. 34 E.	—	2200	0.9	Fair; cum.-strat.					
8	09	8	10	64.3	65.3	S. 52 E.	—	2200	1.0	Overcast; cum. and strat.	70.2	64.0	88.1	64.6	0.25
8	15	8	16	64.5	65.0	S. 50 E.	—	—	1.0	Overcast; very dark; thick mist; strat.					
8	21	8	22	65.5	65.9	S. 53 E.	—	1600	1.0	Overcast; showery; thick mist; strat.					
9	03	9	04	Rain.	65.5	S. 52 E.	—	1600	1.0	Overcast; thick mist and rain					
9	09	9	10	62.5	64.3	S. 47 E.	—	2500	0.9	Cloudy; cum.-strat.	67.7	61.8	86.4	61.0	0.50
9	15	9	16	Rain.	63.8	S. 45 E.	—	—	1.0	Overcast; very dark; light rain					
9	21	9	22	Rain.	64.2	S. 53 E.	—	1600	1.0	Overcast; rain					
10	03	10	04	63.3	66.9	S. 55 E.	—	2400	1.0	Overcast; cum.-strat.					
10	09	10	10	63.0	63.8	S. 49 E.	—	2700+	1.0	Overcast; cum.-strat.	70.7	62.4	94.2	61.0	0.25
10	15	10	16	63.2	63.6	S. 39 E.	—	—	0.9	Cloudy; clear in zenith					
10	21	10	22	64.6	66.1	S. 36 E.	—	2000	0.9	Cloudy; cum.-strat.					

Mean Solar Time (Astronom. Reckg.)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.		Göttingen.				Direction.	Force.								
MARCH.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	°
11	03	11	04	65.1	69.0	S. 52 E.	—	2600	0.7	Fine - - - - -					
11	09	11	10	64.5	64.7	S. 30 E.	—	1600	1.0	Overcast; thick mist and showery - - -	70.8	62.3	94.8	59.1	1.00
SUNDAY.															
12	15	12	16	63.2	64.4	S. 40 E.	—	—	1.0	Overcast; strat. - - - - -	64.9	63.7	89.7	63.1	—
12	21	12	22	64.0	65.1	S. 34 E.	—	2100	0.9	Nearly overcast; showery; cum.-strat. - -					
13	03	13	04	63.9	68.5	S. 40 E.	—	2700	0.9	Fair; cum.-strat. - - - - -					
13	09	13	10	63.2	64.7	S. 18 E.	—	2100	1.0	Overcast but fair; cum.-strat. - - - - -					
13	15	13	16	63.2	63.8	S. 16 E.	—	2200	1.0	Overcast; strat. - - - - -	70.4	63.0	90.6	60.3	—
13	21	13	22	64.1	66.1	S. 46 E.	—	2700+	1.0	Fair; cum.-strat. - - - - -					
14	03	14	04	65.0	68.0	S. 39 E.	—	1700	0.9	Fair; cum.-strat. - - - - -					
14	09	14	10	62.3	64.4	S. 43 E.	—	2100	0.8	Fair; clear in zenith; cum. - - - - -					
14	15	14	16	Rain.	63.9	S. 25 E.	—	2400	1.0	Moonlight; a few drops of rain; dark clouds	70.4	63.0	93.4	60.3	—
14	21	14	22	62.6	65.6	S. 41 E.	—	2700+	0.9	Fair; cum.-strat. - [to S.E.; cum.-strat.					
15	03	15	04	63.3	68.6	S. 47 E.	—	2700+	0.7	Fine; strat. and cum. - - - - -					
15	09	15	10	60.4	64.1	S. 38 E.	—	2700+	0.7	Fine; cum. - - - - -	70.9	62.2	97.9	58.6	—
15	15	15	16	60.2	63.1	S. 37 E.	—	2700+	0.5	Fair; strat.; cum. - - - - -					
15	21	15	22	63.0	67.2	S. 42 E.	—	2700+	0.8	Fair; cum.-strat. - - - - -					
16	03	16	04	62.5	68.7	S. 52 E.	—	2700+	0.5	Fine; strat. and cum. - - - - -					
16	09	16	10	61.5	65.2	S. 37 E.	—	2600	0.9	Nearly overcast; cum.-strat. - - - - -	70.8	62.8	98.2	60.2	—
16	15	16	16	Rain.	63.9	S. 54 E.	—	—	1.0	Nimb. to S. E.; cum.-strat; rain - - - -					
16	21	16	22	60.8	65.3	S. 34 E.	—	2700+	0.8	Fair; cum.-strat. - - - - -					
17	03	17	04	62.2	70.7	S. 31 E.	—	2700+	0.5	Fair; strat.; cirr. and cum. - - - - -					
17	09	17	10	60.5	64.3	S. 23 E.	—	2700+	0.6	Fair; strat. and cum. - - - - -					
17	15	17	16	61.6	63.8	S. 31 E.	—	2700	0.8	Fair; cum. and strat. - - - - -	71.5	63.2	104.5	59.2	—
17	21	17	22	62.1	67.2	S. 52 E.	—	2700+	0.8	Fair; cum. and strat. - - - - -					
18	03	18	04	60.4	71.2	S. 32 E.	—	2700+	0.2	Fair; a few light cum. passing; strat. to N. -					
18	09	18	10	61.2	65.6	S. 45 E.	—	2700+	0.8	Moonlight; clear to the N.; cum.-strat. in [zenith]	73.2	62.1	105.6	59.0	—
SUNDAY.															
19	15	19	16	Rain.	64.4	S. 43 E.	—	—	1.0	Shower of rain - - - - -	74.4	62.3	104.9	57.0	1.00
19	21	19	22	Rain.	63.7	S. 43 E.	—	1600	1.0	Overcast; rain; nimb. - [mainder strat.]					
20	03	20	04	64.9	67.2	S. 41 E.	—	2600	1.0	Overcast; showery; cum. strat. to W.; re-					
20	09	20	10	62.5	64.3	S. 49 E.	—	—	0.9	Showery; clear in zenith; strat. - - -	69.0	62.1	87.6	62.2	0.25
20	15	20	16	63.7	64.0	S. 52 E.	—	1600	1.0	Overcast; mist and rain; nimb. - - - -					
20	21	20	22	63.3	63.6	S. 59 E.	—	1600	1.0	Overcast; thick mist; showery; strat. -					
21	03	21	04	63.0	67.4	S. 52 E.	—	2700+	0.9	Nearly overcast; strat.; haze; cum.-strat. -					
21	09	21	10	63.6	64.7	S. 52 E.	—	—	1.0	Overcast; a few drops of rain; strat. -	70.0	62.8	92.7	60.2	—
21	15	21	16	60.8	63.5	S. 52 E.	—	2700+	0.8	Wind brisk; moonlight; cum.-strat. passing					
21	21	21	22	62.7	66.5	S. 50 E.	—	2700+	0.7	Fine; cum. and strat. - [along horizon]					
22	03	22	04	Rain.	64.4	S. 56 E.	—	1600	1.0	Overcast; thick mist and rain; nimb. -					
22	09	22	10	62.0	63.4	S. 45 E.	—	—	0.9	Strat.; clear in zenith - - - - -	70.4	62.1	94.8	53.6	0.75
22	15	22	16	60.7	62.7	S. 39 E.	—	2700+	0.9	Fair; cum.-strat. - - - - -					
22	21	22	22	60.7	64.7	S. 55 E.	—	2700+	0.8	Fair; cum.-strat. - - - - -					
23	03	23	04	62.0	67.7	S. 47 E.	—	2700+	0.7	Fair; cum.-strat. - - - - -					
23	09	23	10	61.5	63.6	S. 52 E.	—	—	1.0	Overcast; strat. - - - - -	69.6	61.7	93.2	59.6	0.25
23	15	23	16	61.0	62.8	S. 50 E.	—	—	0.9	Strat. dispersed - - - - -					
23	21	23	22	62.7	64.5	S. 44 E.	—	2700	0.9	Cum.-strat. - - - - -					
24	03	24	04	63.8	66.5	S. 52 E.	—	2700	0.9	Fair; cum.-strat. - - - - -					
24	09	24	10	Rain.	63.4	S. 38 E.	—	—	0.9	Nearly overcast; light rain; nimb.; strat. -	68.4	61.3	90.7	60.3	0.75
24	15	24	16	Rain.	61.9	S. 33 E.	—	—	1.0	Overcast; rain; nimb. - - - - -					
24	21	24	22	61.7	65.4	S. 34 E.	—	2700+	0.7	Fair; cum.-strat. - - - - -					
25	03	25	04	61.8	66.0	S. 40 E.	—	2400	0.9	Showery; cum. in N. horizon; strat. in S. and					
25	09	25	10	60.0	63.4	S. 33 E.	—	—	0.9	Strat. - - - - [S. W.]	69.6	62.0	85.2	59.3	—
SUNDAY.															
26	15	26	16	62.4	63.2	S. 35 E.	—	—	1.0	Overcast; very dark; strat. - - - - -	70.4	62.7	99.4	62.0	0.50
26	21	26	22	65.1	66.1	S. 37 E.	—	2200	0.9	Nearly overcast; strat. - - - - -					
27	03	27	04	63.5	69.2	S. 35 E.	—	2700+	0.2	Fine; cirr.; strat.; cum. - - - - -					
27	09	27	10	63.4	65.3	S. 58 E.	—	—	1.0	Overcast; strat. - - - - -	70.7	62.7	95.6	59.0	0.25
27	15	27	16	63.4	64.3	S. 56 E.	—	—	1.0	Overcast; light mist falling; strat. - - -					
27	21	27	22	62.7	64.5	S. 54 E.	—	2000	1.0	Overcast; cum.-strat. - - - - -					
28	03	28	04	65.8	66.7	S. 54 E.	—	1900	1.0	Overcast; showery; strat. - - - - -					
28	09	28	10	63.5	64.5	S. 47 E.	—	—	1.0	Overcast; strat. - - - - -	68.7	62.2	91.5	61.6	0.25
28	15	28	16	61.5	63.4	S. 32 E.	—	—	1.0	Overcast; strat. - - - - -					
28	21	28	22	63.5	64.3	S. 26 E.	—	2700	0.7	Fair; cum.-strat. - - - - -					

Mean Solar Time (Astronom. Reck <sup>s</sup> )				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.	Direction.	Force.												
MARCH.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	°
29	03	29	04	65.7	66.7	S. 49 E.	—	2200	1.0	Overcast; dull; strat. - - - -					
29	09	29	10	65.4	65.4	S. 46 E.	—	1600	1.0	Overcast; misty; strat. - - - -	68.1	64.0	98.6	62.7	0.50
29	15	29	16	Rain.	65.0	S. 32 E.	—	—	1.0	Overcast; very dark; rain; nimb. - - - -					
29	21	29	22	65.6	65.7	S. 36 E.	—	1600	1.0	Overcast; thick mist; strat. - - - -					
30	03	30	04	65.6	67.9	S. 52 E.	—	1900	1.0	Overcast; cum. in N.; strat. - - - -					
30	09	30	10	64.7	65.0	S. 57 E.	—	—	1.0	Overcast; very dark; strat. - - - -	69.0	63.4	89.4	60.0	—
30	15	30	16	64.2	64.5	S. 42 E.	—	—	1.0	Overcast; very dark; strat. - - - -					
30	21	30	22	64.6	65.1	S. 34 E.	—	1700	1.0	Overcast; a few drops of rain; strat. - - - -					
31	03	31	04	65.6	68.8	S. 32 E.	—	2700	1.0	Overcast; cum.; strat. - - - -					
31	09	31	10	64.7	65.4	S. 41 E.	—	—	0.9	Nearly overcast; strat. - - - -	70.0	63.3	94.9	60.3	—
31	15	31	16	63.2	64.5	S. 32 E.	—	—	1.0	Overcast; dark; strat. - - - -					
31	21	31	22	64.5	66.1	S. 55 E.	—	2500	0.8	Cum.-strat. - - - -					
APRIL.															
1	03	1	04	64.1	68.6	S. 24 E.	—	2700+	0.5	Fine; cum. - - - -	70.2	61.7	96.1	57.0	—
1	09	1	10	62.3	64.3	S. 20 E.	—	2700+	0.4	Fair; strat; cum. - - - -					
SUNDAY.															
2	15	2	16	58.2	62.9	S. 17 E.	—	—	1.0	A few dim stars; strat. - - - -	71.4	62.2	103.4	58.0	—
2	21	2	22	60.4	64.6	S. 31 E.	0.5	2700+	1.0	Overcast; strat. - - - -					
3	03	3	04	60.6	68.9	S. 27 E.	0.5	2700+	0.5	Fair; strat; cum.; cirr. - - - -					
3	09	3	10	62.5	64.2	S. 46 E.	0.5	—	1.0	Overcast; rain; nimb. - - - -	70.5	61.7	98.6	57.7	—
3	15	3	16	61.9	63.8	S. 50 E.	0.5	—	1.0	Overcast; strat. - - - -					
3	21	3	22	61.7	65.3	S. 32 E.	1.0	2700+	0.9	Fair; cum.; strat. - - - -					
4	03	4	04	63.8	67.0	S. 44 E.	0.5	2200	0.9	Nearly overcast; cum.; strat. - - - -					
4	09	4	10	63.0	64.8	S. 50 E.	1.6	—	1.0	Overcast; strat. - - - -	69.7	61.1	96.4	60.8	0.25
4	15	4	16	62.1	64.2	S. 55 E.	0.8	—	1.0	Overcast; strat. - - - -					
4	21	4	22	Rain.	64.5	S. 55 E.	1.7	1600	1.0	Overcast; mist and rain; nimb. - - - -					
5	03	5	04	64.5	65.1	S. 51 E.	1.8	1600	1.0	Overcast; mist and rain; nimb. - - - -					
5	09	5	10	64.0	64.2	S. 54 E.	1.6	1700	1.0	Overcast; mist and rain; nimb. - - - -	67.6	63.0	84.1	62.8	0.75
5	15	5	16	Rain.	63.9	S. 55 E.	1.3	—	1.0	Overcast; rain; nimb. - - - -					
5	21	5	22	Rain.	64.2	S. 51 E.	1.6	1600	1.0	Overcast; mist and rain; nimb. - - - -					
6	03	6	04	Rain.	65.5	S. 56 E.	1.3	1600	1.0	Thick mist and rain - - - -					
6	09	6	10	Rain.	64.0	S. 52 E.	0.5	2400	1.0	Overcast; drizzling rain; nimb. - - - -	69.4	62.8	93.8	62.2	0.25
6	15	6	16	Rain.	63.2	S. 48 E.	1.0	—	1.0	Overcast; strat.; light mist - - - -					
6	21	6	22	62.5	64.5	S. 53 E.	1.0	2700+	1.0	Overcast; strat. - - - -					
7	03	7	04	63.0	68.3	S. 44 E.	1.3	2700	0.7	Fine; cum. - - - -					
7	09	7	10	60.5	63.5	S. 44 E.	1.3	2700+	0.8	Cum; strat. - - - -	70.1	61.8	96.5	55.7	—
7	15	7	16	59.5	63.1	S. 38 E.	1.0	—	1.0	Overcast; strat. - - - -					
7	21	7	22	62.9	66.1	S. 37 E.	1.3	2700+	0.7	Fair; cirr.; cum. and strat. - - - -					
8	03	8	04	62.1	68.6	S. 38 E.	0.5	2700+	0.8	Fair; cum.-strat. - - - -					
8	09	8	10	61.6	64.6	S. 35 E.	0.4	2700+	0.8	Cum; strat. - - - -	70.3	63.1	93.7	60.2	—
SUNDAY.															
9	15	9	16	Rain.	63.7	S. 50 E.	0.1	—	1.0	Overcast; light mist - - - -	70.1	62.6	92.5	62.1	—
9	21	9	22	64.0	65.3	S. 56 E.	1.8	2500	1.0	Overcast; dull; cum.-strat. - - - -					
10	03	10	04	66.0	67.2	S. 43 E.	1.0	1900	1.0	Overcast; mist; strat. - - - -					
10	09	10	10	64.2	65.2	S. 54 E.	1.3	1900	1.0	Overcast; strat. - - - -	69.4	63.2	90.0	61.1	—
10	15	10	16	64.3	64.4	S. 53 E.	2.1	1600	1.0	Overcast; thick mist; strat. - - - -					
10	21	10	22	62.8	65.5	S. 55 E.	1.6	2700	0.9	Nearly overcast; cum.-strat. - - - -					
11	03	11	04	63.9	68.0	S. 43 E.	2.3	2700	0.9	Nearly overcast; cum.-strat. - - - -					
11	09	11	10	62.5	64.4	S. 39 E.	2.3	2700	1.0	Overcast; strat. - - - -	70.6	61.8	91.4	62.0	—
11	15	11	16	61.1	63.3	S. 30 E.	1.6	2200	1.0	Overcast; wind in gusts; strat. - - - -					
11	21	11	22	62.0	63.7	S. 40 E.	1.6	2700+	1.0	Overcast; wind in gusts; haze; strat. - - - -					
12	03	12	04	62.6	67.7	S. 37 E.	2.1	2700+	0.7	Fine; wind in gusts; strat; cirr.; cum. - - - -					
12	09	12	10	60.5	63.1	S. 32 E.	1.6	2700+	0.9	Nearly overcast; cum.-strat. - - - -	70.9	61.7	99.9	—	—
12	15	12	16	59.4	62.4	S. 22 E.	1.3	2700+	1.0	Cum.-strat. - - - -					
12	21	12	22	62.5	66.2	S. 30 E.	0.5	2700+	0.7	Fine; strat; cum. - - - -					
13	03	13	04	65.1	69.9	S. 47 E.	0.8	2000	0.9	Fair; cum.-strat. - - - -					
13	09	13	10	64.3	65.6	S. 47 E.	0.3	1900	1.0	Overcast; cum.-strat. - - - -	71.6	63.5	99.0	61.1	—
13	15	13	16	63.5	64.4	S. 43 E.	0.4	2000	0.9	Cum.-strat. - - - -					
13	21	13	22	64.0	65.8	S. 35 E.	1.0	1900	1.0	Overcast; strat. - - - -					
14	03	14	04	62.9	68.6	S. 44 E.	0.3	2700+	0.6	Fine; clear in zenith; cum.-strat. - - - -					
14	09	14	10	63.5	65.0	S. 27 E.	0.8	1900	0.9	Cum.-strat. - - - -	69.9	62.8	92.4	61.0	—
14	15	14	16	63.6	64.4	S. 52 E.	1.3	1900	1.0	Overcast; cum.-strat. - - - -					
14	21	14	22	64.0	65.4	S. 36 E.	1.3	2200	0.9	Fair; cum.-strat. - - - -					

Mean Solar Time (Astronom'. Reckg.)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terri. Rad.	Rain.
St. Helena.		Göttingen.				Direction.	Force.								
APRIL.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	In.
15	03	15	04	64·6	68·5	S. 40 E.	1·8	2400	0·9	Cum.-strat. - - - -	69·7	62·6	94·2	59·4	—
15	09	15	10	63·3	64·7	S. 37 E.	1·8	2200	0·5	Cloudy; cum.-strat. - - - -					
SUNDAY.															
16	15	16	16	60·0	63·6	S. 33 E.	0·5	2700+	1·0	Overcast; cum. strat. - - - -	70·5	63·0	96·5	59·2	—
16	21	16	22	62·6	65·6	S. 44 E.	1·3	2700+	0·9	Fair; strat; cum. - - - -					
17	03	17	04	63·0	68·5	S. 53 E.	1·3	2700+	0·7	Fair; cum. - - - -					
17	09	17	10	61·4	63·8	S. 43 E.	0·5	2700+	0·3	Fine; a few strat. and small cum. - - - -	70·8	61·9	94·9	57·0	—
17	15	17	16	59·3	62·6	S. 22 E.	0·5	2700+	0·7	Fair; cum. - - - -					
17	21	17	22	61·4	65·2	S. 38 E.	1·0	2700+	0·7	Fair; cum. - - - -					
18	03	18	04	62·3	67·1	S. 47 E.	0·5	2700+	0·7	Cum.-strat. - - - -					
18	09	18	10	61·8	64·3	S. 57 E.	0·5	2700+	0·8	Cum.-strat. - - - -	69·2	62·1	92·7	58·1	—
18	15	18	16	57·5	62·8	S. 40 E.	0·2	2700+	1·0	Overcast; strat. - - - -					
18	21	18	22	60·5	65·7	S. 25 E.	0·3	2700+	0·7	Fine; cum. in the horizon - - - -					
19	03	19	04	61·1	67·5	S. 33 E.	0·3	2700+	0·8	Fine; cum.-strat.; clear in N. - - - -					
19	09	19	10	60·6	64·4	S. 26 E.	0·5	—	1·0	Overcast; strat. - - - -	69·9	62·7	102·9	60·0	—
19	15	19	16	59·3	63·4	S. 30 E.	1·0	2700+	1·0	Overcast; cum.-strat. - - - -					
19	21	19	22	59·4	63·5	S. 20 E.	0·0	2700+	1·0	Overcast; fair; cum.-strat. - - - -					
20	03	20	04	58·9	67·5	S. 30 E.	1·0	2700+	0·9	Cirr.; cum.-strat. - - - -					
20	09	20	10	60·3	63·3	S. 38 E.	0·8	—	0·9	Strat. - - - -	71·7	61·6	105·1	58·9	—
20	15	20	16	58·5	62·3	S. 35 E.	0·8	2700+	1·0	Overcast; cum.; strat; a few dim stars - - - -					
20	21	20	22	59·4	64·7	S. 39 E.	1·8	2700+	0·7	Fine; cirr.; cum.-strat. - - - -					
21	03	21	04	58·0	66·0	S. 50 E.	2·1	2700+	0·9	Cum.-strat. - - - -					
21	09	21	10	60·0	63·3	S. 52 E.	1·6	2700+	0·9	Fair; a few dark cum. dispersed - - - -	69·8	60·5	94·8	57·2	0·25
21	15	21	16	Rain.	62·5	S. 48 E.	1·0	1600	1·0	Overcast; thick mist and rain; nimb. - - - -					
21	21	21	22	60·8	64·3	S. 36 E.	0·5	2700+	0·8	Fair; cum.-strat. - - - -					
22	03	22	04	60·4	68·0	S. 42 E.	0·8	2700+	0·4	Fine; cirr.; strat.; cum. - - - -	69·6	62·0	97·7	61·1	—
22	09	22	10	61·3	63·5	S. 41 E.	0·8	—	0·9	Nearly overcast; strat. - - - -					
SUNDAY.															
23	15	23	16	58·0	62·9	S. 15 E.	0·3	2700+	1·0	Overcast; strat.; a few dim stars - - - -	71·0	61·4	102·2	57·1	—
23	21	23	22	60·0	65·2	S. 29 E.	0·8	2700+	0·8	Fine; cum.-strat. - - - -					
24	03	24	04	61·0	66·8	S. 25 E.	0·5	2700+	0·9	Dull; cum.; strat. - - - -					
24	09	24	10	60·2	63·4	S. 22 E.	1·0	2700+	0·3	Fair; cum.-strat. - - - -	70·0	61·1	97·7	57·3	—
24	15	24	16	57·4	62·6	S. 32 E.	0·5	—	1·0	Overcast; strat. - - - -					
24	21	24	22	58·1	63·8	S. 42 E.	0·8	2700+	1·0	Overcast; cum.; strat. - - - -					
25	03	25	04	57·4	67·5	S. 52 E.	0·8	2700+	1·0	Overcast; fair; cum.-strat. - - - -					
25	09	25	10	60·1	63·6	S. 53 E.	0·3	—	1·0	Overcast; strat. - - - -	69·2	62·1	92·1	60·0	—
25	15	25	16	57·0	62·7	S. 48 E.	0·4	—	1·0	Overcast; very dark; strat. - - - -					
25	21	25	22	57·6	64·1	S. 52 E.	0·5	2700+	1·0	Overcast; fair; cum.-strat. - - - -					
26	03	26	04	61·0	66·4	S. 56 E.	2·1	2400	1·0	Overcast; light mist; cum.-strat. - - - -					
26	09	26	10	59·3	64·0	S. 56 E.	0·5	—	1·0	Overcast; strat. - - - -	70·2	62·8	93·8	60·1	—
26	15	26	16	58·0	63·9	S. 64 E.	0·5	2700+	0·9	Nearly overcast; strat. - - - -					
26	21	26	22	58·5	66·2	S. 67 E.	0·5	2700+	0·8	Fine; cirr.; cum.-strat. - - - -					
27	03	27	04	62·0	67·8	S. 52 E.	1·0	2000	1·0	Overcast; dull; cum.-strat. - - - -					
27	09	27	10	61·5	64·6	S. 58 E.	0·5	—	0·8	Cum.-strat. - - - -	71·5	62·5	94·0	58·6	—
27	15	27	16	57·0	63·5	S. 63 E.	0·3	—	1·0	Overcast; very dark; strat. - - - -					
27	21	27	22	58·5	65·4	S. 57 E.	0·5	2700+	1·0	Overcast; cum.-strat. - - - -					
28	03	28	04	61·9	66·4	S. 48 E.	1·0	2700+	1·0	Overcast; cum.-strat. - - - -					
28	09	28	10	57·5	63·2	S. 54 E.	1·0	2700+	0·4	Fair; strat.; cum. - - - -	68·5	60·5	87·2	58·2	—
28	15	28	16	59·5	63·0	S. 54 E.	0·3	—	1·0	Overcast; strat. - - - -					
28	21	28	22	61·6	64·3	S. 46 E.	0·5	2700	0·8	Rain; nimb.; cum.-strat. - - - -					
29	03	29	04	61·5	67·7	S. 50 E.	0·8	2700+	0·9	Cum.-strat. - - - -	70·0	62·4	97·7	57·3	—
29	09	29	10	59·8	63·6	S. 48 E.	0·3	—	0·9	Cum.-strat. - - - -					
SUNDAY.															
30	15	30	16	60·4	62·8	S. 48 E.	0·1	—	1·0	Overcast; strat. - - - -	70·5	62·0	101·4	58·0	—
30	21	30	22	59·1	64·6	S. 47 E.	0·5	2700+	0·9	Nearly overcast; fair; strat. - - - -					
MAY.															
1	03	1	04	58·1	67·7	S. 29 E.	0·8	2700+	0·9	Fine; cum. passing; strat. in N. E. - - - -	69·7	62·1	97·8	58·9	—
1	09	1	10	58·1	63·1	S. 49 E.	0·5	—	1·0	Overcast; strat. - - - -					
1	15	1	16	56·3	62·2	S. 50 E.	0·8	—	1·0	Overcast; strat. - - - -					
1	21	1	22	56·8	64·6	S. 54 E.	0·3	2700+	1·0	Overcast; cum.-strat. - - - -					
2	03	2	04	58·9	67·8	S. 49 E.	0·8	2700+	1·0	Overcast; cum. - - - -					
2	09	2	10	60·6	64·1	S. 52 E.	0·5	—	1·0	Overcast; a few dim stars; strat. - - - -	69·4	60·5	93·9	58·1	—
2	15	2	16	59·9	63·1	S. 56 E.	0·5	1700	1·0	Overcast; misty; strat. - - - -					
2	21	2	22	60·5	64·3	S. 48 E.	1·0	2700+	1·0	Fair; cum.-strat. - - - -					

Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.	Force.								
MAY.													
D.	H.	D.	H.	°	°	°	Feet.		°	°	°	°	°
3	03	3	04	59.6	67.4	S. 43 E.	1.0	2700+	0.8				
3	09	3	10	60.8	63.6	S. 51 E.	0.5	—	0.9				
3	15	3	16	59.8	63.1	S. 51 E.	0.4	—	0.8	69.3	61.9	95.4	57.0
3	21	3	22	62.2	65.0	S. 76 E.	0.3	2700+	0.9				
4	03	4	04	62.3	67.4	S. 52 E.	0.3	2700+	0.8				
4	09	4	10	59.0	63.1	S. 55 E.	0.5	2700+	0.9				
4	15	4	16	60.0	62.0	S. 30 E.	0.8	—	1.0	69.5	61.0	96.4	56.4
4	21	4	22	59.7	64.0	S. 46 E.	1.3	2700+	0.8				
5	03	5	04	61.3	65.7	S. 48 E.	0.8	2000	0.9				
5	09	5	10	60.3	62.3	S. 53 E.	1.0	2700+	0.9				
5	15	5	16	Rain.	61.5	S. 52 E.	0.8	—	1.0	66.9	60.0	88.9	57.6
5	21	5	22	61.3	63.0	S. 48 E.	2.1	2700	1.0				0.25
6	03	6	04	59.1	65.8	S. 33 E.	2.6	2700+	0.5				
6	09	6	10	59.5	62.4	S. 55 E.	1.3	2700	0.8				
SUNDAY.													
7	15	7	16	59.1	59.8	S. 45 E.	1.0	—	1.0				
7	21	7	22	Rain.	60.0	S. 59 E.	1.3	1600	1.0	64.5	58.4	87.2	58.2
8	03	8	04	Rain.	61.2	S. 52 E.	1.6	2200	1.0				
8	09	8	10	58.9	61.3	S. 57 E.	0.5	2700+	1.0	64.5	59.3	74.1	57.1
8	15	8	16	57.4	61.2	S. 56 E.	0.5	—	1.0				
8	21	8	22	60.2	62.6	S. 57 E.	0.5	2700+	1.0				
9	03	9	04	63.2	64.4	S. 76 E.	0.3	1900	1.0				
9	09	9	10	61.9	62.5	S. 57 E.	0.3	1900	1.0				
9	15	9	16	60.5	61.6	S. 48 E.	0.8	—	0.9	65.3	60.9	85.5	59.3
9	21	9	22	61.3	62.9	S. 55 E.	0.5	1900	0.9				0.25
10	03	10	04	62.1	64.1	S. 50 E.	1.0	2600	0.9				
10	09	10	10	58.9	61.4	S. 56 E.	1.0	2700+	1.0	66.1	60.7	86.0	59.6
10	15	10	16	55.6	60.9	S. 55 E.	1.3	2700+	1.0				
10	21	10	22	59.5	62.1	S. 44 E.	1.0	1700	1.0				
11	03	11	04	59.6	64.2	S. 52 E.	1.0	2700+	1.0				
11	09	11	10	60.1	62.7	S. 59 E.	1.0	2700+	1.0	66.5	60.5	85.5	58.3
11	15	11	16	58.8	61.8	S. 53 E.	0.8	2700+	1.0				
11	21	11	22	59.1	62.5	S. 35 E.	0.8	2700+	1.0				
12	03	12	04	60.9	66.2	S. 56 E.	1.6	2700+	0.9				
12	09	12	10	58.5	62.3	S. 60 E.	1.8	2700+	0.9	67.6	60.4	90.0	57.6
12	15	12	16	58.6	61.3	S. 54 E.	0.3	2400	1.0				0.25
12	21	12	22	60.8	63.4	S. 34 E.	0.8	2700+	1.0				
13	03	13	04	60.6	65.7	S. 26 E.	0.5	2700+	0.5				
13	09	13	10	59.3	62.0	S. 34 E.	0.8	2700+	0.9	66.4	60.1	86.6	57.3
SUNDAY.													
14	15	14	16	56.8	60.7	S. 30 E.	0.8	2700+	0.8	67.1	60.2	90.6	56.1
14	21	14	22	55.1	63.5	S. 52 E.	0.8	2700+	0.5				
15	03	15	04	56.5	64.7	S. 54 E.	0.8	2700+	0.8				
15	09	15	10	57.3	62.2	S. 54 E.	1.8	2700+	0.9	66.6	59.1	86.0	56.0
15	15	15	16	60.4	61.5	S. 53 E.	1.6	2500	1.0				0.25
15	21	15	22	58.5	62.2	S. 56 E.	1.0	2700+	0.9				
16	03	16	04	60.5	63.2	S. 49 E.	1.8	2700+	1.0				
16	09	16	10	60.1	61.6	S. 46 E.	1.3	2200	0.9	64.0	57.8	76.7	56.1
16	15	16	16	Rain.	59.9	S. 56 E.	0.5	1600	1.0				0.25
16	21	16	22	57.6	61.4	S. 58 E.	0.5	2000	0.9				
17	03	17	04	60.1	62.6	S. 48 E.	1.3	2700	0.7				
17	09	17	10	58.1	59.9	S. 55 E.	1.0	—	1.0	62.8	57.5	77.2	56.1
17	15	17	16	Rain.	59.4	S. 63 E.	1.3	2200	1.0				0.50
17	21	17	22	56.8	60.0	S. 49 E.	1.3	2700+	0.6				
18	03	18	04	56.4	62.6	S. 56 E.	0.3	2700+	0.2				
18	09	18	10	58.6	59.7	S. 54 E.	0.5	—	1.0	62.9	57.3	78.1	55.6
18	15	18	16	59.2	59.2	S. 51 E.	0.5	1600	1.0				1.00
18	21	18	22	59.6	60.4	S. 54 E.	0.5	2400	1.0				
19	03	19	04	58.9	59.7	S. 56 E.	0.3	1800	1.0				
19	09	19	10	58.5	59.4	S. 61 E.	0.5	—	1.0				
19	15	19	16	Rain.	58.8	S. 59 E.	0.0	1600	1.0	61.6	57.7	75.0	55.9
19	21	19	22	59.6	59.9	S. 62 E.	0.5	1800	1.0				1.25



Mean Solar Time (Astronom'. Reck'g.)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.		Göttingen.				Direction.	Force.								
MAY.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	°
20	03	20	04	Rain.	60.8	S. 66 E.	0.3	2000	1.0	Overcast; mist and rain; nimb.					
20	09	20	10	58.6	59.1	S. 63 E.	0.3	—	1.0	Overcast; strat.	63.0	57.5	85.0	54.6	0.50
SUNDAY.															
21	15	21	16	57.6	58.4	S. 54 E.	0.5	2400	1.0	Overcast; cum.-strat.	64.1	57.4	84.3	54.0	0.50
21	21	21	22	59.5	59.6	S. 55 E.	0.5	1600	1.0	Overcast; mist; showery; strat.					
22	03	22	04	58.0	62.7	S. 56 E.	0.8	2700+	0.8	Fair; cum.; strat.					
22	09	22	10	58.8	59.8	S. 55 E.	0.5	—	0.8	Clear in zenith; strat.					
22	15	22	16	57.5	58.5	S. 58 E.	0.8	2200	1.0	Overcast; strat.	63.6	57.5	80.1	55.5	0.25
22	21	22	22	57.6	59.7	S. 58 E.	1.0	2700+	0.9	Dull; cum.-strat.					
23	03	23	04	59.7	61.6	S. 56 E.	0.8	2700+	0.9	Dull; cum.-strat.					
23	09	23	10	57.2	59.6	S. 58 E.	0.5	—	0.8	Cum.; strat.					
23	15	23	16	—	58.8	S. 56 E.	0.5	—	1.0	Overcast; strat.	63.2	57.8	75.4	54.0	0.25
23	21	23	22	56.8	60.0	S. 59 E.	1.0	2700+	1.0	Overcast; dull; cum.-strat.					
24	03	24	04	57.6	61.5	S. 56 E.	1.0	2700+	1.0	Overcast; dull; strat.					
24	09	24	10	54.7	59.9	S. 54 E.	0.5	—	1.0	Overcast; very dark; strat.					
24	15	24	16	Rain.	58.5	S. 57 E.	0.8	—	1.0	Overcast; rain; nimb.; strat.	63.9	57.5	78.8	55.9	—
24	21	24	22	54.0	60.7	S. 56 E.	0.8	2700+	1.0	Fair; cum.-strat.					
25	03	25	04	58.1	62.7	S. 54 E.	0.5	2700+	0.9	Cum.-strat.					
25	09	25	10	54.6	60.2	S. 56 E.	0.5	—	1.0	Overcast; dark; strat.					
25	15	25	16	57.1	59.8	S. 57 E.	0.3	—	1.0	Overcast; dark; strat.	63.8	57.5	84.4	51.5	—
25	21	25	22	59.1	60.0	S. 47 E.	0.8	2100	0.9	Nearly overcast; cum.-strat.					
26	03	26	04	57.7	63.0	S. 54 E.	0.8	2700+	0.7	Fine; cirr.; strat.; cum.					
26	09	26	10	57.6	59.8	S. 52 E.	0.5	—	1.0	Overcast; dark; strat.					
26	15	26	16	57.9	59.0	S. 49 E.	0.5	—	1.0	Overcast; showery; strat.	64.5	57.5	85.0	51.2	—
26	21	26	22	57.5	60.9	S. 53 E.	0.3	2700+	1.0	Overcast; cum.; strat.					
27	03	27	04	57.5	63.1	S. 56 E.	0.0	2700+	0.9	Fair; cirr.; cum.-strat.					
27	09	27	10	55.4	57.6	S. 56 E.	0.0	2700+	0.1	Nearly cloudless; cum.	64.6	56.8	91.0	50.2	0.25
SUNDAY.															
28	15	28	16	56.1	57.6	S. 54 E.	0.0	—	0.5	Fair; stars bright; cum.-strat.	63.3	57.0	93.4	52.1	0.50
28	21	28	22	57.8	58.7	S. 54 E.	0.0	1600	1.0	Overcast; mist; showery; strat.					
29	03	29	04	59.1	60.5	S. 50 E.	0.0	2700+	1.0	Overcast; cum.-strat.					
29	09	29	10	57.6	58.5	S. 56 E.	0.0	—	1.0	Overcast; dark; light rain; nimb.					
29	15	29	16	63.1	57.2	S. 55 E.	0.0	2700+	0.2	Fair; cum. to the S.	64.3	57.2	79.5	50.4	—
29	21	29	22	55.1	59.7	S. 56 E.	0.0	2700+	0.8	Dull; cum.; strat.					
30	03	30	04	58.6	63.5	S. 56 E.	0.0	2700+	1.0	Fair; cum.-strat.					
30	09	30	10	56.5	59.6	S. 35 E.	0.3	2700+	0.6	Stars dim; a few cum. and strat.					
30	15	30	16	56.8	58.9	S. 54 E.	0.3	2700+	0.3	Cum.-strat.	65.0	57.8	90.8	51.5	—
30	21	30	22	57.4	61.0	S. 54 E.	0.8	2700+	0.9	Fair; cum.-strat.					
31	03	31	04	58.5	64.0	S. 55 E.	0.3	2700+	0.4	Fine; cirr.; strat.; cum.					
31	09	31	10	57.6	59.7	S. 43 E.	0.3	2700+	0.5	Fair; strat. in the S.					
31	15	31	16	58.5	60.1	S. 56 E.	0.3	—	1.0	Overcast; strat.	65.8	59.1	93.8	52.2	—
31	21	31	22	59.4	59.9	S. 53 E.	1.0	2100	1.0	Overcast; showery; strat.					
JUNE.															
1	03	1	04	59.5	61.5	S. 52 E.	1.0	2700	1.0	Overcast; dull; cum.-strat.					
1	09	1	10	59.4	60.5	S. 54 E.	0.8	—	0.9	Cum.-strat.					
1	15	1	16	59.3	60.0	S. 53 E.	1.0	—	1.0	Overcast; cum.-strat.	64.7	59.5	85.5	56.6	—
1	21	1	22	59.8	62.2	S. 52 E.	1.0	2700+	1.0	Overcast; fair; cum.-strat.					
2	03	2	04	61.6	64.1	S. 41 E.	1.3	2500	0.9	Fair; strat.; cum.					
2	09	2	10	58.4	60.8	S. 54 E.	1.6	2200	0.9	Cloudy; cum.-strat.					
2	15	2	16	57.0	60.6	S. 66 E.	1.0	—	0.7	Fair; stars bright; cum.-strat.	65.2	59.6	86.9	57.2	—
2	21	2	22	59.1	61.3	S. 62 E.	0.5	2700+	1.0	Overcast; dull; cum.; strat.					
3	03	3	04	58.6	63.9	S. 48 E.	0.5	2700+	0.1	Sky very clear; a few light cum.					
3	09	3	10	57.3	59.4	S. 43 E.	0.5	2700+	0.1	Cum.	65.3	57.5	95.0	49.9	—
SUNDAY.															
4	15	4	16	56.0	58.0	—	0.0	2700+	0.2	Fair; cum.	67.3	55.8	97.2	48.3	—
4	21	4	22	55.5	59.2	—	0.0	2700+	0.7	Fine; cum.					
5	03	5	04	59.5	64.8	—	0.0	2700+	0.8	Fine; cum.					
5	09	5	10	54.0	58.7	—	0.0	2700+	0.0	Clear; a little strat. in N.E.					
5	15	5	16	54.0	57.5	—	0.1	2700+	0.0	Clear	67.1	56.5	98.7	46.3	—
5	21	5	22	59.0	61.5	—	0.0	2700+	0.9	Fair; strat.; cum.					
6	03	6	04	60.1	63.7	S. 26 E.	0.3	2700+	0.9	Nearly overcast; cum.-strat.					
6	09	6	10	57.8	60.9	S. 32 E.	0.3	2700+	0.7	Cum.					
6	15	6	16	53.8	58.9	S. 1 E.	1.3	—	0.8	Wind in gusts; strat.	65.1	57.5	85.4	52.2	—
6	21	6	22	55.0	60.2	S. 14 E.	1.3	2700+	0.9	Fair; cirr.; cum.-strat.					

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.	Force.									
JUNE.														
D.	H.	D.	H.	°	°	°	lbs.	Feet.						
7	03	7	04	55.0	62.0	S. 26 E.	0.8	2700+	0.6	Fine; cum.; strat.; blue sky to the N.E.	°	°	°	°
7	09	7	10	52.0	59.2	S. 25 E.	0.8	2700+	1.0	Overcast; strat.; moonlight	63.2	57.4	83.6	53.7
7	15	7	16	50.6	58.3	S. 34 E.	2.1	—	1.0	Overcast; strat.; wind in gusts				
7	21	7	22	54.3	59.0	S. 37 E.	1.6	2700+	1.0	Overcast; cum.-strat.				
8	03	8	04	55.7	60.4	S. 56 E.	1.0	2700+	1.0	Overcast; dull; strat.				
8	09	8	10	56.1	57.5	S. 55 E.	1.3	2700+	0.9	Nearly overcast; cum.-strat.				
8	15	8	16	55.5	57.0	S. 57 E.	0.8	2700+	0.9	Cum.; strat.	61.7	55.6	76.4	51.3
8	21	8	22	55.8	57.8	S. 59 E.	0.3	2700+	0.7	Fair; cirr.; cum.; strat.				
9	03	9	04	58.6	61.6	S. 53 E.	1.6	2700+	1.0	Dull; cum.; strat.				
9	09	9	10	55.0	57.8	S. 57 E.	0.8	2700+	0.9	Nearly overcast; cum.-strat.				
9	15	9	16	Rain.	56.8	S. 60 E.	0.8	1600	1.0	Overcast; thick mist and rain; nimb.	62.7	55.4	83.6	52.6
9	21	9	22	57.5	58.4	S. 57 E.	1.0	2700+	0.9	Cloudy; strat.; cum.				
10	03	10	04	54.6	61.2	S. 61 E.	1.3	2700+	0.9	Nearly overcast; cum.-strat.				
10	09	10	10	57.0	58.3	S. 55 E.	1.3	2700+	1.0	Overcast; cum.-strat.	61.8	56.5	78.0	53.6
SUNDAY.														
11	15	11	16	52.5	56.8	S. 55 E.	0.8	2700+	0.9	Nearly overcast; strat.	61.8	55.0	78.9	52.3
11	21	11	22	57.3	57.8	S. 56 E.	1.3	2200	1.0	Overcast; dull; cum.-strat.				
12	03	12	04	57.6	58.6	S. 43 E.	1.0	2400	1.0	Overcast; dull; showery; nimb.; strat.				
12	09	12	10	Rain.	57.0	S. 54 E.	0.3	1800	1.0	Overcast; heavy rain; nimb.				
12	15	12	16	54.5	56.6	S. 58 E.	0.5	2700+	1.0	Cum.	60.6	55.6	79.1	52.1
12	21	12	22	53.1	57.5	S. 45 E.	1.0	2700+	1.0	Overcast; dull; strat.				
13	03	13	04	56.7	61.1	S. 56 E.	0.8	2700+	0.9	Cum.; strat.				
13	09	13	10	55.5	57.9	S. 52 E.	1.0	2700+	1.0	Overcast; cum.; strat.				
13	15	13	16	55.3	56.3	S. 43 E.	0.8	2700+	1.0	Overcast; showery; strat.	62.0	55.2	83.0	52.1
13	21	13	22	55.5	58.2	S. 59 E.	1.6	2700+	1.0	Overcast; showery; strat.; cum.				
14	03	14	04	55.0	60.4	S. 47 E.	1.8	2700+	0.9	Fair; cum.				
14	09	14	10	53.0	58.2	S. 58 E.	1.0	2700+	0.8	Fair; cum.; strat.				
14	15	14	16	55.1	58.5	S. 60 E.	1.0	2700+	1.0	Overcast; cum.; strat.	62.0	57.5	78.0	51.9
14	21	14	22	53.8	59.8	S. 49 E.	1.6	2700+	0.9	Strat.; cum.				
15	03	15	04	56.6	61.4	S. 46 E.	1.0	2700+	1.0	Overcast; cum.; strat.				
15	09	15	10	56.6	59.2	S. 50 E.	0.8	—	1.0	Overcast; dark; strat.				
15	15	15	16	50.4	58.0	S. 53 E.	1.3	2700+	1.0	Overcast; strat.	63.4	57.7	92.1	54.9
15	21	15	22	53.0	58.8	S. 53 E.	0.5	2700+	1.0	Overcast; cum.-strat.				
16	03	16	04	56.5	61.5	S. 53 E.	0.3	2700+	0.7	Fair; strat.; cum.				
16	09	16	10	54.7	59.0	S. 50 E.	0.5	—	1.0	Overcast; strat.				
16	15	16	16	57.1	58.6	S. 50 E.	1.3	1900	1.0	Overcast; showery; strat.	62.7	57.1	86.0	55.0
16	21	16	22	58.6	59.5	S. 46 E.	0.5	2200	1.0	Overcast; dull; misty; strat.				
17	03	17	04	58.8	62.7	S. 52 E.	0.3	2700+	0.6	Fine; sun; cum.				
17	09	17	10	58.4	59.4	S. 41 E.	0.5	—	0.9	Cum.; strat.	64.2	58.0	86.8	55.0
SUNDAY.														
18	15	18	16	51.6	58.2	S. 55 E.	0.8	2700+	1.0	Overcast; cum.-strat.	62.7	57.5	81.2	50.9
18	21	18	22	52.1	60.2	S. 58 E.	0.5	2700+	1.0	Overcast; cum.-strat.				
19	03	19	04	53.3	62.0	S. 52 E.	0.5	2700+	0.1	Sky nearly cloudless; cum.				
19	09	19	10	56.6	58.5	S. 53 E.	1.3	—	0.8	Clear in zenith; strat.				
19	15	19	16	55.5	57.3	S. 46 E.	1.0	2000	1.0	Overcast; cum.-strat.	62.7	56.3	82.7	51.9
19	21	19	22	57.1	58.5	S. 53 E.	1.0	2100	1.0	Overcast; mist; strat.				
20	03	20	04	57.6	59.7	S. 52 E.	1.3	2600	0.9	Cum.; strat.				
20	09	20	10	56.4	57.7	S. 54 E.	1.0	—	1.0	Overcast; strat.				
20	15	20	16	56.8	57.8	S. 55 E.	0.5	2700+	1.0	Overcast; cum.-strat.	64.7	56.0	77.8	53.0
20	21	20	22	54.5	58.0	S. 54 E.	0.5	2700+	1.0	Overcast; dull; cum.-strat.				
21	03	21	04	54.6	59.8	S. 56 E.	0.8	2700+	1.0	Overcast; cum.; strat.				
21	09	21	10	53.3	57.5	S. 52 E.	1.0	—	1.0	Overcast; strat.				
21	15	21	16	51.6	56.9	S. 53 E.	0.3	2700+	1.0	Overcast; strat.	61.4	56.0	74.4	51.9
21	21	21	22	55.6	57.7	S. 47 E.	1.0	2700+	1.0	Overcast; strat.				
22	03	22	04	Rain.	59.2	S. 54 E.	0.5	1600	1.0	Overcast; rain; nimb.; strat.				
22	09	22	10	55.8	56.3	S. 39 E.	0.8	—	1.0	Overcast; light mist				
22	15	22	16	55.3	55.4	S. 54 E.	0.8	—	1.0	Overcast; showery; strat.	60.8	54.5	78.9	51.1
22	21	22	22	54.4	56.3	S. 52 E.	1.0	2600	1.0	Overcast; hazy; strat.				
23	03	23	04	55.2	58.0	S. 53 E.	0.8	2700+	1.0	Overcast; cum.-strat.				
23	09	23	10	53.0	57.3	S. 53 E.	1.6	—	1.0	Overcast; strat.				
23	15	23	16	52.5	56.6	S. 54 E.	1.3	—	1.0	Overcast; very dark; strat.	61.4	56.2	77.9	52.2
23	21	23	22	55.5	57.8	S. 55 E.	1.0	2700+	1.0	Overcast; hazy; strat.				

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.	Göttingen.			Direction.	Force.								
JUNE.													
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	°
24	03	24	04	54.5	60.5	S. 56 E.	0.3	2700+	0.9	Cum.-strat. - - - -			
24	09	24	10	54.0	57.4	S. 52 E.	0.3	—	1.0	Overcast; strat. - - - -	66.0	56.2	87.3 53.1 —
SUNDAY.													
25	15	25	16	53.3	56.6	—	0.0	—	1.0	Overcast; calm; strat. - - - -	61.1	55.7	73.2 52.0 —
25	21	25	22	52.6	57.5	—	0.0	2700+	1.0	Overcast; calm; cum.-strat. - - - -			
26	03	26	04	53.4	59.8	S. 31 E.	0.3	2700+	1.0	Overcast; fair; cum.-strat. - - - -			
26	09	26	10	51.9	56.9	S. 54 E.	0.3	—	1.0	Overcast; strat. - - - -	61.5	56.3	78.9 51.1 —
26	15	26	16	52.2	57.0	S. 45 E.	1.0	—	1.0	Overcast; strat. - - - -			
26	21	26	22	54.5	58.7	S. 48 E.	1.0	2700+	0.5	Fair; strat.; cum. - - - -			
27	03	27	04	55.4	60.6	S. 53 E.	0.8	2700+	1.0	Overcast; fair; cum.-strat. - - - -			
27	09	27	10	55.8	58.6	S. 53 E.	1.6	—	1.0	Overcast; strat. - - - -	62.6	58.1	83.6 53.2 —
27	15	27	16	54.0	58.1	S. 52 E.	1.3	—	1.0	Overcast; strat. - - - -			
27	21	27	22	57.3	59.5	S. 51 E.	0.5	2700	1.0	Overcast; dull; cum.; strat. - - - -			
28	03	28	04	Rain.	60.6	S. 64 E.	0.3	1800	1.0	Overcast; light rain; nimb. - - - -			
28	09	28	10	56.0	58.3	S. 52 E.	1.0	—	0.8	Cloudy; cum.; strat. - - - -	63.1	56.8	90.6 52.5 —
28	15	28	16	54.3	57.4	S. 54 E.	0.3	—	1.0	Overcast; dark; strat. - - - -			
28	21	28	22	51.5	59.1	S. 58 E.	1.0	2700+	1.0	Overcast; cum.-strat. - - - -			
29	03	29	04	56.9	59.3	S. 52 E.	1.0	2700+	1.0	Overcast; haze; strat. - - - -			
29	09	29	10	55.2	58.6	S. 58 E.	0.8	—	1.0	Overcast; strat. - - - -	62.1	55.5	75.0 53.2 0.50
29	15	29	16	57.4	58.0	S. 49 E.	1.0	—	1.0	Overcast; very dark; strat. - - - -			
29	21	29	22	57.1	58.1	S. 53 E.	0.3	2700	1.0	Overcast; dull; cum.; strat. - - - -			
30	03	30	04	57.1	58.2	S. 56 E.	0.3	1600	1.0	Overcast; showery; nimb. - - - -			
30	09	30	10	54.0	55.5	S. 56 E.	0.5	—	1.0	Overcast; dark; strat. - - - -	60.2	53.6	91.9 49.1 0.25
30	15	30	16	Rain.	54.8	S. 55 E.	0.3	—	1.0	Overcast; light rain; nimb. - - - -			
30	21	30	22	56.5	56.5	S. 53 E.	0.3	2500	1.0	Overcast; cum.-strat. - - - -			
JULY.													
1	03	1	04	56.3	59.2	— <sup>a</sup>	0.3	2700	0.9	Fair; cum.-strat. - - - -	61.1	52.9	86.1 47.0 0.25
1	09	1	10	Rain.	56.5	—	0.3	1700	1.0	Overcast; rain; nimb. - - - -			
SUNDAY.													
2	15	2	16	52.0	53.4	—	0.0	2700+	0.2	Clear; strat. in hor. - - - -	62.1	52.5	89.9 44.1 —
2	21	2	22	56.2	57.2	—	0.0	2700+	0.9	Fair; cum; strat. - - - -			
3	03	3	04	56.6	59.6	—	0.0	1800	1.0	Overcast; dull; cum.; strat. - - - -			
3	09	3	10	54.2	55.3	—	0.0	2700+	0.0	Sky clear; moon and stars very bright	61.3	54.4	83.2 46.8 0.50
3	15	3	16	54.8	55.7	—	0.0	2700+	0.0	Calm; cloudless; stars very bright			
3	21	3	22	Rain.	57.8	—	0.3	1700	1.0	Mist and rain; nimb. - - - -			
4	03	4	04	55.6	58.8	—	0.5	2700+	0.9	Dull; cum.; strat. - - - -			
4	09	4	10	55.5	57.0	—	0.5	2700+	0.9	Cum.; strat. - - - -	60.2	55.0	78.7 48.0 —
4	15	4	16	50.4	55.6	—	0.5	2700+	0.8	Fair; clear in N.W.; cum. strat. - - - -			
4	21	4	22	53.6	57.1	—	0.8	2700+	0.9	Cum.-strat. - - - -			
5	03	5	04	53.3	58.4	—	1.6	2700+	1.0	Overcast; cum.; strat. - - - -			
5	09	5	10	53.8	57.0	—	1.6	2700+	1.0	Overcast; cum.-strat. - - - -	60.5	53.8	74.2 48.7 —
5	15	5	16	52.5	55.6	—	1.3	—	1.0	Overcast; strat. - - - -			
5	21	5	22	54.6	55.7	—	1.8	1600	1.0	Overcast; showery; strat. - - - -			
6	03	6	04	Rain.	58.7	—	2.3	1600	1.0	Overcast; rain; nimb.; strat. - - - -			
6	09	6	10	54.5	56.3	—	1.3	2700+	1.0	Overcast; cum.-strat. - - - -	60.6	54.2	80.6 52.2 0.25
6	15	6	16	Rain.	56.3	—	1.0	1800	1.0	Overcast; rain; nimb. - - - -			
6	21	6	22	56.6	56.7	—	1.3	1700	1.0	Overcast; showery; cumb. strat. - - - -			
7	03	7	04	55.9	59.1	—	0.5	2700+	0.7	Fair; strat.; cum. - - - -			
7	09	7	10	55.8	56.5	—	0.5	1600	1.0	Overcast; mist; strat. - - - -	60.7	53.9	78.8 50.1 0.25
7	15	7	16	54.9	55.3	—	0.8	1600	1.0	Overcast; showery; mist; strat. - - - -			
7	21	7	22	55.5	56.0	—	0.8	2700+	0.8	Fair; cum. - - - -			
8	03	8	04	57.2	58.5	—	0.8	2400	1.0	Overcast; dull; showery; cum.-strat. - - - -	60.2	55.4	78.5 53.0 0.25
8	09	8	10	56.5	56.7	—	0.8	1600	1.0	Overcast; thick mist; strat. - - - -			
SUNDAY.													
9	15	9	16	52.5	55.9	—	0.3	2700+	1.0	Overcast; cum.; strat. - - - -	61.8	54.9	82.9 50.2 —
9	21	9	22	55.3	57.8	—	0.3	2700+	0.8	Cum.; strat. - - - -			
10	03	10	04	57.0	60.2	—	0.5	2700+	0.7	Fair; cum.; strat. - - - -			
10	09	10	10	56.3	57.6	—	0.3	2200	0.9	Nearly overcast; cum.; strat. - - - -	61.8	55.8	78.2 49.2 —
10	15	10	16	56.1	57.0	—	0.5	2500	0.9	Strat.; cum. - - - -			
10	21	10	22	55.5	58.0	—	0.8	2700+	0.9	Fair; cum.; strat. - - - -			
11	03	11	04	56.8	60.2	—	0.3	2700+	0.7	Fair; cum. - - - -			
11	09	11	10	54.5	57.2	—	0.3	2700+	0.9	Fair; cum.-strat. - - - -	61.9	55.5	83.0 47.4 —
11	15	11	16	55.1	56.0	—	0.0	2700	1.0	Calm; cum. - - - -			
11	21	11	22	54.3	57.8	—	0.3	2700+	1.0	Fair; overcast; cum.; strat. - - - -			

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Terr. Rad.	Solar Rad.	Rain.
St. Helena.	Göttingen.			Direction.	Force.								
JULY.													
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	In.
12	03	12	04	55.6	61.0	— <sup>a</sup>	0.3	2700+	0.7	Fair; cum.	—	—	—
12	09	12	10	53.4	56.7	—	0.5	2700+	0.2	Fair; cum. in S.	—	—	—
12	15	12	16	54.8	56.4	—	0.3	2700+	0.7	Fair; cum.	—	—	—
12	21	12	22	56.0	58.6	—	0.3	2700+	0.8	Fine; cum.; strat.	—	—	—
13	03	13	04	57.5	61.7	—	0.3	2700+	0.8	Fine; sun; cirr.; cum.	—	—	—
13	09	13	10	55.0	57.6	—	0.3	2600	0.9	Cum.; strat.	—	—	—
13	15	13	16	56.0	57.1	—	0.3	2700+	0.9	Fair; cum.	—	—	—
13	21	13	22	56.7	58.3	—	0.5	2600	1.0	Overcast; fair; cum.-strat.	—	—	—
14	03	14	04	56.8	61.5	—	0.3	2700+	0.7	Fine; cum.-strat.	—	—	—
14	09	14	10	57.1	58.6	—	0.5	2000	0.9	Cum.; strat.	—	—	—
14	15	14	16	57.1	58.1	—	0.5	2600	1.0	Overcast; cum.; strat.	—	—	—
14	21	14	22	56.5	58.6	—	1.0	1900	0.8	Strat.; cum.	—	—	—
15	03	15	04	57.8	60.6	—	0.8	2400	1.0	Dull; cum.-strat.	—	—	—
15	09	15	10	56.6	57.6	—	0.5	—	1.0	Overcast; strat.	—	—	—
SUNDAY.													
16	15	16	16	54.0	56.7	—	0.8	2700+	1.0	Cum.	—	—	—
16	21	16	22	53.0	57.6	—	1.0	2700+	1.0	Overcast; dull; strat.	—	—	—
17	03	17	04	54.6	59.4	—	0.8	2700+	1.0	Overcast; fair; cum.-strat.	—	—	—
17	09	17	10	54.0	57.0	—	1.0	—	0.9	Cum.-strat.	—	—	—
17	15	17	16	54.3	55.7	—	0.5	2700	1.0	Overcast; cum.-strat.	—	—	—
17	21	17	22	55.7	58.6	—	0.3	2700	1.0	Overcast; haze; cum.-strat.	—	—	—
18	03	18	04	58.1	61.2	—	0.5	2700+	0.8	Cum.-strat.	—	—	—
18	09	18	10	55.4	57.0	—	0.3	2700+	0.0	Sky cloudless	—	—	—
18	15	18	16	55.5	56.5	—	0.3	2200	0.9	Nearly overcast; cum.-strat.	—	—	—
18	21	18	22	55.7	57.7	—	0.5	2600	0.9	Cum.; strat.	—	—	—
19	03	19	04	57.0	60.6	—	0.3	2700+	0.7	Fine; cum.-strat.	—	—	—
19	09	19	10	54.9	56.8	—	1.0	2700+	0.0	Wind fresh	—	—	—
19	15	19	16	55.1	56.5	—	1.0	2700+	0.7	Fair; cum.	—	—	—
19	21	19	22	57.6	58.0	—	0.5	1600	1.0	Overcast; mist; cum.-strat.	—	—	—
20	03	20	04	Rain.	57.8	—	1.3	1600	1.0	Overcast; rain; nimb.; strat.	—	—	—
20	09	20	10	54.6	56.3	—	2.1	—	1.0	Overcast; very dark; strat.	—	—	—
20	15	20	16	51.7	55.1	—	1.0	2700+	1.0	Overcast; strat.	—	—	—
20	21	20	22	52.2	55.2	—	1.0	2700+	1.0	Overcast; dull; strat.	—	—	—
21	03	21	04	47.6	57.7	—	1.3	2700+	1.0	Overcast; dull; strat.	—	—	—
21	09	21	10	48.9	54.5	—	1.3	—	1.0	Overcast; strat.	—	—	—
21	15	21	16	52.5	53.7	—	1.0	—	1.0	Overcast; showery; strat.	—	—	—
21	21	21	22	52.0	54.2	—	0.8	2700+	1.0	Overcast; fair; strat.	—	—	—
22	03	22	04	54.5	58.4	—	0.8	2700+	0.7	Fair; strat.; cum.	—	—	—
22	09	22	10	Rain.	55.7	—	0.3	—	1.0	Overcast; drizzling rain; nimb.	—	—	—
SUNDAY.													
23	15	23	16	51.3	56.5	—	1.3	—	1.0	Overcast; dull; strat.	—	—	0.25
23	21	23	22	55.1	58.2	—	1.0	2700+	1.0	Overcast; dull; cum.-strat.	—	—	—
24	03	24	04	56.6	61.3	—	1.3	2700+	1.0	Overcast; cum.-strat.	—	—	—
24	09	24	10	53.9	57.5	—	1.0	—	1.0	Overcast; strat.	—	—	—
24	15	24	16	54.9	56.2	—	0.5	—	1.0	Overcast; very dark; strat.	—	—	—
24	21	24	22	56.0	58.1	—	0.3	2700+	1.0	Overcast; dull; cum.; strat.	—	—	—
25	03	25	04	57.0	59.6	—	0.5	2700	1.0	Overcast; dull; cum.; strat.	—	—	—
25	09	25	10	33.6	57.1	—	0.8	—	1.0	Overcast; strat.	—	—	—
25	15	25	16	54.2	55.5	—	0.8	—	1.0	Overcast; strat.	—	—	—
25	21	25	22	55.8	56.9	—	0.3	2700+	1.0	Overcast; dull; cum.; strat.	—	—	—
26	03	26	04	52.1	59.6	—	0.3	2700+	0.6	Fine; strat.; cum.	—	—	—
26	09	26	10	52.6	56.8	—	0.3	—	1.0	Overcast; strat.	—	—	—
26	15	26	16	52.7	56.3	—	0.3	—	0.9	Nearly overcast; strat.	—	—	—
26	21	26	22	54.1	58.0	—	0.5	2700+	1.0	Overcast; dull; cum.; strat.	—	—	—
27	03	27	04	55.8	61.4	—	0.8	2700+	0.9	Cum.-strat.	—	—	—
27	09	27	10	55.6	57.8	—	0.3	—	1.0	Overcast; strat.	—	—	—
27	15	27	16	54.7	56.6	—	0.3	—	1.0	Overcast; very dark; strat.	—	—	—
27	21	27	22	53.5	57.9	—	0.5	2700+	1.0	Overcast; dull; strat.	—	—	—
28	03	28	04	55.3	60.9	—	0.3	2700+	0.8	Fair; strat.; cum.	—	—	—
28	09	28	10	54.1	56.8	—	0.8	—	0.8	Fair; clear in zenith; strat.	—	—	—
28	15	28	16	54.0	57.2	—	1.0	—	0.7	Fair; cum.-strat.	—	—	—
28	21	28	22	56.5	58.6	—	0.8	2700	1.0	Overcast; cum.; strat.	—	—	—

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck <sup>s</sup> .)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terri. Rad.	Rain.
St. Helena.	Göttingen.			Direction.	Force.								
JULY.													
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	In.
29	03	29	04	56.0	61.0	— <sup>a</sup>	0.3	2700+	1.0	Cum.; strat.	—	—	—
29	09	29	10	54.8	57.1	—	0.5	—	1.0	Overcast; strat.	62.8	54.7	84.7
SUNDAY.													
30	15	30	16	54.5	55.7	—	0.3	—	1.0	Overcast; strat.	61.8	54.9	86.9
30	21	30	22	53.5	57.0	—	0.5	2700+	0.6	Strat.; cum.	—	—	—
31	03	31	04	57.0	61.0	—	0.3	2700+	0.9	Cum.-strat.	—	—	—
31	09	31	10	53.8	56.5	—	0.0	2700+	0.4	Cum.	63.4	52.0	90.0
31	15	31	16	52.6	54.7	—	0.0	2700+	0.0	Clear	—	—	—
31	21	31	22	53.4	56.9	—	0.0	2700+	0.0	Fine; a few light cum.	—	—	—
AUGUST.													
1	03	1	04	56.3	60.9	—	0.0	2700+	0.4	Fair; calm; sun; cum.	—	—	—
1	09	1	10	54.5	56.5	—	0.0	2700+	0.0	Sky clear; moon and stars very bright	63.7	54.2	94.9
1	15	1	16	54.7	55.9	—	0.0	2700+	0.7	Strat.; cum.	—	—	—
1	21	1	22	55.8	57.3	—	0.0	2700	0.8	Cum.-strat.	—	—	—
2	03	2	04	53.0	61.5	—	0.3	2700+	0.1	Very fine; a little cirr. to S.; cum. in zenith.	—	—	—
2	09	2	10	55.1	57.0	—	0.3	2700+	1.0	Overcast; cum.-strat.	63.0	54.4	89.8
2	15	2	16	Rain.	55.7	—	0.0	—	1.0	Overcast; rain; nimb.	—	—	—
2	21	2	22	55.5	57.6	—	0.8	2500	0.7	Fair; cirr.; strat.; cum.	—	—	—
3	03	3	04	56.7	61.0	—	0.5	2700	0.9	Strat.; cum.	—	—	—
3	09	3	10	55.7	57.6	—	0.5	2400	0.9	Large cum. passing, with intervals of blue sky	64.0	56.4	90.0
3	15	3	16	54.6	57.4	—	1.0	—	0.7	Cum.; strat.	—	—	—
3	21	3	22	57.0	58.6	—	0.8	2700+	0.9	Nearly overcast; haze; cum.; strat.	—	—	—
4	03	4	04	57.5	60.9	—	0.8	2700+	1.0	Overcast; haze; cum.-strat.	—	—	—
4	09	4	10	56.0	58.2	—	0.8	2200	1.0	Overcast; showery; strat.	63.8	56.1	91.9
4	15	4	16	54.7	56.8	—	0.5	—	1.0	Overcast; strat.	—	—	—
4	21	4	22	53.5	58.8	—	0.3	2700+	0.7	Fair; strat.; cum.	—	—	—
5	03	5	04	57.5	62.1	—	0.8	2700+	0.9	Cum.-strat.	—	—	—
5	09	5	10	55.1	57.7	—	0.5	2600	1.0	Overcast; cum.-strat.	64.6	56.0	89.9
SUNDAY.													
6	15	6	16	52.3	55.1	—	0.0	2700+	0.8	Cum.; strat.; clear to N. W.	62.0	53.1	90.9
6	21	6	22	54.2	57.4	—	0.3	2600	1.0	Fair; overcast; cum.; strat.	—	—	—
7	03	7	04	53.0	61.5	—	0.0	2700+	0.8	Fair; calm; cum; strat.	—	—	—
7	09	7	10	54.6	56.7	—	0.0	2700	0.8	Showery; cum.-strat.	—	—	—
7	15	7	16	53.5	54.7	—	0.0	2700+	1.0	Overcast; fair; cum.	64.3	53.0	96.7
7	21	7	22	53.5	55.5	—	0.0	2700+	0.9	Strat.; cum.	—	—	—
8	03	8	04	52.1	59.0	—	0.0	2700+	0.7	Fair; cirr.; strat; cum.	—	—	—
8	09	8	10	53.9	55.3	—	0.0	2700	0.8	Clear in N. W.; strat; cum.	—	—	—
8	15	8	16	53.4	54.5	—	0.3	1700	0.8	Clear in zenith; cum.-strat.	62.0	53.5	84.8
8	21	8	22	56.4	56.5	—	0.8	2400	0.6	Fair; cum.-strat.	—	—	0.25
9	03	9	04	55.0	59.7	—	1.3	2700+	0.4	Fine; strat.; cum.	—	—	—
9	09	9	10	52.8	56.0	—	2.9	2700+	0.8	Fair; wind in gusts; cum.	—	—	—
9	15	9	16	53.2	55.9	—	2.6	2700+	0.9	Fair; wind high and in gusts; cum.	61.0	55.0	84.8
9	21	9	22	55.5	58.2	—	1.8	2700+	0.9	Cum.; strat.	—	—	—
10	03	10	04	54.3	60.4	—	1.0	2700+	0.9	Nearly overcast; clear in N.; cum.; strat.	—	—	—
10	09	10	10	53.2	55.8	—	0.8	2400	1.0	Overcast; strat.	61.5	53.0	86.8
10	15	10	16	52.6	55.4	—	1.8	2700+	0.9	Cum.	—	—	—
10	21	10	22	Rain.	56.4	—	1.6	2000	1.0	Overcast; light rain; nimb.; cum.; strat.	—	—	—
11	03	11	04	56.3	59.5	—	2.1	2700+	0.9	Cum.; strat.	—	—	—
11	09	11	10	53.5	55.1	—	2.6	2700+	1.0	Wind in gusts; cum.	—	—	—
11	15	11	16	52.3	54.5	—	2.1	1800	1.0	Overcast; strat.	60.4	52.2	81.7
11	21	11	22	50.9	55.1	—	1.8	2700+	0.6	Fair; wind in gusts; cum.; strat.	—	—	0.25
12	03	12	04	52.0	59.4	—	1.6	2700+	0.8	Fair; cirr.; cum.-strat.	—	—	—
12	09	12	10	Rain.	54.3	—	2.1	1600	1.0	Overcast; thick mist and rain	60.5	52.3	82.5
SUNDAY.													
13	15	13	16	51.6	54.0	—	1.6	1600	1.0	Overcast; thick mist; strat.	58.5	52.7	76.0
13	21	13	22	47.3	55.3	—	1.6	2700+	1.0	Overcast; cum.-strat.	—	—	—
14	03	14	04	53.3	58.3	—	1.8	2700+	0.8	Wind in gusts; cum.; strat.	—	—	—
14	09	14	10	52.5	54.6	—	2.9	2700+	0.4	Wind in gusts; cum.-strat.	59.8	52.9	82.8
14	15	14	16	52.0	54.5	—	1.8	2700+	1.0	Overcast; wind in gusts; cum.-strat.	—	—	—
14	21	14	22	54.5	54.8	—	2.1	2700+	1.0	Overcast; fair; strat.	—	—	—
15	03	15	04	52.3	58.8	—	2.1	2700+	0.8	Fair; wind in gusts; cum.; strat.	—	—	—
15	09	15	10	47.6	55.2	—	2.1	—	1.0	Overcast; wind in gusts; strat.	—	52.0	—
15	15	15	16	51.4	54.8	—	1.6	2700+	1.0	Overcast; cum.-strat.	—	—	—
15	21	15	22	53.0	56.0	—	1.6	2700+	0.9	Fair; wind in gusts; cum.; strat.	—	—	—

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.	Göttingen.			Direction.	Force.									
AUGUST.														
D.	H.	D.	H.	°	°	°	lbs.	Feet.						
16	03	16	04	53.1	57.0	— <sup>a</sup>	1.3	2700+	0.9	Cum.-strat.			In.	
16	09	16	10	54.0	54.4	—	0.5	—	1.0	Overcast; showery; strat.				
16	15	16	16	52.3	54.0	—	0.5	2700+	1.0	Overcast; strat.			0.25	
16	21	16	22	54.5	55.0	—	0.8	2000	1.0	Overcast; dull; showery; strat.				
17	03	17	04	56.0	57.2	—	0.3	2400	1.0	Overcast; strat.				
17	09	17	10	Rain.	54.6	—	0.3	—	1.0	Overcast; light rain				
17	15	17	16	Rain.	53.8	—	0.3	1700	1.0	Overcast; mist and light rain; nimb.; strat.	58.7	52.8	78.8	—
17	21	17	22	54.5	55.6	—	0.5	2700	0.9	Nearly overcast; cum.-strat.				
18	03	18	04	55.3	57.6	—	0.8	2600	1.0	Overcast; cum; strat.				
18	09	18	10	52.3	54.8	—	0.5	—	1.0	Overcast; strat.				
18	15	18	16	49.6	54.4	—	0.3	2700+	1.0	Overcast; strat.	60.7	54.2	81.9	—
18	21	18	22	51.5	56.9	—	0.3	2700+	1.0	Nearly overcast; cum.-strat.				
19	03	19	04	51.1	59.8	—	0.3	2700+	0.6	Fine; sky much covered with small cum.				
19	09	19	10	51.4	55.5	—	0.0	2700+	0.1	Clear; strat.	61.9	54.0	87.8	—
SUNDAY.														
20	15	20	16	50.8	54.6	—	0.0	2700+	0.9	Cum.; strat.	63.9	51.4	98.9	—
20	21	20	22	53.5	58.2	—	0.3	2700+	0.5	Fine; strat.; cum.				
21	03	21	04	52.3	62.1	—	0.0	2700+	0.4	Fine; strat.; cum.				
21	09	21	10	52.6	57.2	—	0.0	2700+	0.9	Nearly overcast; strat.	64.8	51.4	94.1	—
21	15	21	16	51.9	54.8	—	0.0	2700+	0.1	Nearly cloudless; stars bright; cum.				
21	21	21	22	53.8	57.4	—	0.0	2700+	0.4	Fine; clear in N. E., and N. W. strat.; cum.				
22	03	22	04	54.3	63.5	—	0.3	2700+	0.2	Fine; cum.				
22	09	22	10	54.4	57.3	—	0.0	2700+	0.4	Fine; cum.; strat.	65.8	53.0	92.3	—
22	15	22	16	54.0	55.2	—	0.0	2700+	0.5	Fair; cum.; strat.				
22	21	22	22	53.5	57.7	—	0.3	2700+	0.1	Fine; a few light cum.				
23	03	23	04	54.6	61.8	—	0.3	2700+	0.5	Fine; cum.				
23	09	23	10	53.5	56.5	—	0.5	2700+	0.1	Nearly cloudless; cum. to N. W.	64.0	54.7	93.0	—
23	15	23	16	53.2	55.1	—	0.5	2700+	0.6	Fair; strat. in horizon				
23	21	23	22	55.1	57.6	—	0.8	2700+	0.8	Fair; strat.; cum.				
24	03	24	04	55.0	61.9	—	0.8	2700+	0.4	Fine; cum.				
24	09	24	10	55.2	56.5	—	1.3	2700+	0.5	Clouds in S. E.	63.1	55.0	87.5	—
24	15	24	16	53.5	55.8	—	1.0	2700+	0.8	Fair; cum.; strat.				
24	21	24	22	53.9	56.4	—	0.8	2700	1.0	Overcast; hazy; cum.; strat.				
25	03	25	04	54.8	60.5	—	0.3	2700	1.0	Overcast; fair; a little cum. to the W.; strat.				
25	09	25	10	53.2	55.7	—	0.3	2700+	0.0	Cloudless; stars very bright	64.9	54.3	89.2	—
25	15	25	16	52.5	55.1	—	0.3	2700+	0.6	Fair; cum.-strat.				
25	21	25	22	54.1	57.8	—	0.3	2700+	0.7	Fair; cirr.; cum.-strat.				
26	03	26	04	56.6	60.9	—	0.5	2700	1.0	Overcast; cum.-strat.				
26	09	26	10	54.5	55.5	—	0.8	—	1.0	Overcast; strat.; showery	64.6	54.4	87.0	—
SUNDAY.														
27	15	27	16	52.9	54.7	—	0.8	—	1.0	Overcast; very dark; strat.	61.8	52.4	83.8	—
27	21	27	22	53.5	55.5	—	0.5	2700+	1.0	Cloudy; cum.-strat.				
28	03	28	14	54.9	56.6	—	0.3	2400	1.0	Overcast; showery; cum.; strat.				
28	09	28	10	53.5	54.9	—	0.8	—	1.0	Overcast; very dark; strat.	58.8	53.8	75.8	—
28	15	28	26	54.5	55.2	—	0.8	—	1.0	Overcast; strat.				
28	21	28	02	Rain.	56.1	—	0.5	1600	1.0	Overcast; rain; nimb.				
29	03	29	14	55.6	58.6	—	0.3	2700	0.9	Fair; cum.; strat.				
29	09	29	10	53.1	55.3	—	0.8	—	1.0	Overcast; strat.	60.0	53.3	82.3	—
29	15	29	16	53.5	54.6	—	0.8	—	1.0	Overcast; strat.; light rain				
29	21	29	22	55.0	55.6	—	0.3	1600	1.0	Overcast; mist and light rain; nimb.				
30	03	30	04	57.5	57.7	—	0.3	1900	1.0	Overcast; mist; strat.				
30	09	30	10	53.4	54.6	—	0.5	2700+	0.9	Cum.-strat.	59.5	52.8	78.6	—
30	15	30	16	Rain.	53.9	—	0.5	—	1.0	Overcast; light rain; nimb.				
30	21	30	22	Rain.	54.5	—	1.6	1600	1.0	Overcast; mist and rain; nimb.				
31	03	31	04	Rain.	56.6	—	1.6	1800	1.0	Overcast; mist and rain; nimb.				
31	09	31	10	53.2	54.7	—	1.0	1800	1.0	Overcast; wet mist covering flag-staff; strat.	59.8	53.5	80.3	—
31	15	31	16	51.5	54.0	—	1.6	—	1.0	Overcast; strat.				
31	21	31	22	52.1	55.9	—	1.8	2700	1.0	Overcast; misty; cum.; strat.				
SEPTEMBER.														
1	03	1	04	55.3	56.7	—	1.8	1800	1.0	Overcast; showery; nimb.				
1	09	1	10	52.6	54.5	—	2.6	2700+	1.0	Overcast; wind in gusts; strat.				
1	15	1	16	52.1	54.0	—	1.6	—	1.0	Overcast; very dark; strat.	59.7	53.0	80.4	—
1	21	1	22	Rain.	55.0	—	1.8	1600	1.0	Overcast; mist and rain; nimb.				

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.									°	lbs.
SEPTEMBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.							
2	03	2	04	56.3	60.1	— <sup>a</sup>	2.1	2700+	1.0	Overcast; fair; wind high; cum.-strat.					
2	09	2	10	Rain.	56.2	—	1.0	1600	1.0	Overcast; thick mist, and drizzling rain; nimb.	61.1	53.2	84.8	—	0.25
SUNDAY.															
3	15	3	16	Rain.	54.1	—	0.8	—	1.0	Overcast; rain; nimb. - - - -	59.2	52.9	78.5	—	—
3	21	3	22	53.6	55.3	—	0.3	2100	1.0	Overcast; thick mist; strat. - - - -					
4	03	4	04	55.6	58.1	—	0.8	1900	1.0	Overcast; thick mist; strat. - - - -					
4	09	4	10	Rain.	55.4	—	0.5	1600	1.0	Overcast; mist and rain; nimb.					
4	15	4	16	54.2	54.3	—	0.3	1600	1.0	Overcast; strat. - - - -	59.9	53.7	79.7	—	0.25
4	21	4	22	54.7	55.5	—	0.8	2700	1.0	Overcast; dull; haze; strat. - - - -					
5	03	5	04	56.6	56.8	—	0.3	1900	1.0	Overcast; misty; strat. - - - -					
5	09	5	10	53.0	54.5	—	0.8	2700	1.0	Overcast; dull; strat. - - - -					
5	15	5	16	Rain.	54.0	—	0.3	1600	1.0	Overcast; rain; nimb. - - - -	58.3	52.1	74.4	—	—
5	21	5	22	54.2	54.3	—	0.8	2100	1.0	Overcast; thick mist; strat. - - - -					
6	03	6	04	55.4	57.0	—	0.5	2200	1.0	Overcast; dull; cum; strat. - - - -					
6	09	6	10	53.6	54.6	—	0.8	2100	1.0	Overcast; strat. - - - -	58.7	52.8	77.0	—	—
6	15	6	16	52.3	53.4	—	0.3	2700	1.0	Overcast; strat. - - - -					
6	21	6	22	52.0	54.5	—	0.8	2600	1.0	Overcast; dull; strat. - - - -					
7	03	7	04	55.1	58.6	—	0.3	2700+	0.9	Cum.-strat. - - - -					
7	09	7	10	53.5	55.4	—	0.8	2700+	1.0	Overcast; strat. - - - -	62.2	54.1	87.9	—	—
7	15	7	16	50.5	54.7	—	0.3	2700+	1.0	Cum.-strat. - - - -					
7	21	7	22	51.6	57.6	—	0.5	2700+	1.0	Overcast; fair; cum.-strat. - - - -					
8	03	8	04	54.0	59.4	—	0.3	2700+	1.0	Overcast; haze; cum.-strat. - - - -					
8	09	8	10	51.1	56.0	—	0.3	2700+	0.4	Fine; cum. - - - -	63.1	54.3	95.0	—	—
8	15	8	16	51.4	55.1	—	0.3	2700+	1.0	Overcast; cum.; strat. - - - -					
8	21	8	22	52.8	57.1	—	0.8	2700+	0.9	Nearly overcast; cum.-strat. - - - -					
9	03	9	04	54.5	60.7	—	0.5	2700+	1.0	Overcast; cum.-strat. - - - -	62.9	54.5	81.7	—	—
9	09	9	10	54.5	56.6	—	0.8	2700+	0.9	Nearly overcast; cum; strat. - - - -					
SUNDAY.															
10	15	10	16	53.5	56.0	—	0.3	2700+	1.0	Overcast; strat. - - - -	63.0	55.2	91.1	—	—
10	21	10	22	53.1	57.1	—	0.8	2500	1.0	Overcast; fair; strat. - - - -					
11	03	11	04	54.8	59.8	—	0.8	2700+	0.9	Fine; cum; strat. - - - -					
11	09	11	10	52.6	56.2	—	0.5	2700+	1.0	Overcast; strat. - - - -	61.6	54.9	84.6	—	—
11	15	11	16	51.6	55.5	—	0.3	2700+	1.0	Overcast; strat. - - - -					
11	21	11	22	51.3	57.3	—	0.5	2700+	1.0	Overcast; fair; cum.-strat. - - - -					
12	03	12	04	54.5	59.4	—	0.3	2700+	1.0	Overcast; dull; cum.-strat. - - - -					
12	09	12	10	52.3	57.3	—	0.3	—	1.0	Overcast; strat. - - - -	63.1	55.9	92.7	—	—
12	15	12	16	54.3	56.8	—	0.3	2700+	1.0	Overcast; cum.-strat. - - - -					
12	21	12	22	54.0	59.0	—	0.5	2700+	1.0	Overcast; dull; haze; strat. - - - -					
13	03	13	04	50.9	62.8	—	0.3	2700+	0.1	Fine; strat. in N. E. - - - -					
13	09	13	10	56.0	58.0	—	0.3	—	1.0	Overcast; very dark; a few drops of rain; strat.	64.6	55.5	97.8	—	—
13	15	13	16	54.6	57.3	—	0.0	1800	0.9	Clear in W.; cum; strat. - - - -					
13	21	13	22	57.0	59.0	—	0.3	2200	0.8	Fair; strat.; cum. - - - -					
14	03	14	04	55.6	62.5	—	0.3	2700+	0.9	Cum.-strat. - - - -					
14	09	14	10	54.3	57.6	—	0.3	—	1.0	Overcast; strat. - - - -	65.3	56.0	98.3	—	—
14	15	14	16	55.2	57.0	—	0.3	2700+	1.0	Overcast; strat. - - - -					
14	21	14	22	55.3	57.6	—	0.8	2700+	1.0	Overcast; fair; cum.-strat. - - - -					
15	03	15	04	55.7	60.5	—	0.3	2700+	1.0	Overcast; cum.-strat. - - - -					
15	09	15	10	55.0	57.2	—	0.3	—	1.0	Overcast; very dark; strat. - - - -	63.8	56.0	96.2	—	—
15	15	15	16	55.5	56.6	—	0.0	2700+	1.0	Overcast; cum. - - - -					
15	21	15	22	54.6	58.8	—	0.3	2700+	0.6	Fine; strat.; cum. - - - -					
16	03	16	04	56.5	62.5	—	0.3	2700+	1.0	Overcast; cum. strat. - - - -					
16	09	16	10	54.3	58.0	—	0.3	—	0.9	Nearly overcast; strat. - - - -	65.1	55.5	97.6	—	—
SUNDAY.															
17	15	17	16	55.7	56.9	—	0.5	—	1.0	Overcast; strat. - - - -	64.5	56.0	95.6	—	—
17	21	17	22	57.7	59.4	—	1.6	2700+	0.9	Wind in gusts; fair; strat; cum. - - - -					
18	03	18	04	58.6	62.1	—	1.6	2700	0.4	Wind in gusts; fine; cum. - - - -					
18	09	18	10	55.5	57.1	—	2.6	—	0.5	Wind in gusts; strat. - - - -					
18	15	18	16	55.6	56.5	—	1.6	—	0.9	Cloudy; strat. - - - -	64.2	55.7	90.8	—	—
18	21	18	22	55.7	57.8	—	1.3	2400	1.0	Overcast; cum.; strat. - - - -					
19	03	19	04	57.5	61.9	—	2.1	2400	0.9	Cum.-strat. - - - -					
19	09	19	10	55.5	57.5	—	2.6	—	1.0	Wind in gusts; overcast; strat. - - - -	63.9	55.7	85.8	—	—
19	15	19	16	55.0	56.4	—	2.1	—	1.0	Overcast; strat. - - - -					
19	21	19	22	Rain.	57.3	—	2.1	1700	1.0	Overcast; high wind and rain; strat.; nimb.					

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Gottingen.			Direction.	Force.										
SEPTEMBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	In.		
20	03	20	04	57.5	61.0	— <sup>a</sup>	2.3	2500	0.9	—	—	—	—		
20	09	20	10	Rain.	57.5	—	1.8	—	1.0	Overcast; light rain; nimb.	63.4	55.3	87.5	—	
20	15	20	16	54.5	56.3	—	1.6	—	1.0	Overcast; strat.	—	—	—	—	
20	21	20	22	56.5	58.9	—	2.9	2700+	0.6	Wind high; fine; cum.-strat.	—	—	—	—	
21	03	21	04	56.7	60.9	—	1.3	2500	1.0	Overcast; cum.-strat.	—	—	—	—	
21	09	21	10	55.2	57.0	—	2.1	—	1.0	Overcast; very dark; showery; strat.	63.5	55.5	87.5	—	
21	15	21	16	54.5	56.4	—	1.8	—	1.0	Overcast; very dark; wind in gusts; strat.	—	—	—	—	
21	21	21	22	55.6	57.2	—	2.1	1900	1.0	Overcast; dull; strat.	—	—	—	—	
22	03	22	04	55.1	59.8	—	1.6	2700+	1.0	Overcast; cum.-strat.	—	—	—	—	
22	09	22	10	54.9	56.5	—	1.3	—	1.0	Overcast; very dark; strat.	63.2	54.5	83.5	—	
22	15	22	16	Rain.	55.0	—	1.3	—	1.0	Overcast; very dark; rain; nimb.	—	—	—	0.25	
22	21	22	22	Rain.	56.6	—	1.6	1600	1.0	Overcast; mist and rain; nimb.	—	—	—	—	
23	03	23	04	57.5	57.7	—	1.3	1600	1.0	Overcast; mist; showery; strat.	—	—	—	—	
23	09	23	10	Rain.	56.6	—	1.6	—	1.0	Overcast; very dark; rain; nimb.	60.6	54.3	76.8	—	
SUNDAY.															
24	15	24	16	55.0	55.5	—	1.6	—	1.0	Overcast; very dark; mist; strat.	62.1	54.4	86.8	—	
24	21	24	22	54.4	56.9	—	1.8	2700+	1.0	Overcast; mist; strat.	—	—	—	—	
25	03	25	04	54.6	59.7	—	1.8	2700+	0.9	Cloudy; cum.; strat.	—	—	—	—	
25	09	25	10	54.8	56.4	—	1.8	—	1.0	Overcast; strat.	—	—	—	—	
25	15	25	16	Rain.	55.2	—	1.6	—	1.0	Overcast; very dark; rain; nimb.	62.3	53.6	86.2	—	
25	21	25	22	54.3	55.7	—	1.6	2700+	1.0	Overcast; mist; cum; strat.	—	—	—	—	
26	03	26	04	55.4	59.9	—	1.8	2700+	0.8	Strat; cum.	—	—	—	—	
26	09	26	10	52.0	55.8	—	0.8	—	1.0	Overcast; strat.	61.5	53.9	86.8	—	
26	15	26	16	Rain.	54.5	—	1.3	—	1.0	Overcast; very dark; rain; nimb.	—	—	—	0.25	
26	21	26	22	Rain.	55.0	—	1.8	1600	1.0	Overcast; mist and rain; nimb; strat.	—	—	—	—	
27	03	27	04	56.0	57.2	—	1.8	2200	1.0	Overcast; dull; strat.	—	—	—	—	
27	09	27	10	53.8	54.9	—	1.8	—	0.9	Strat.	59.9	53.3	81.8	—	
27	15	27	16	Rain.	54.1	—	1.8	—	1.0	Overcast; nimb.	—	—	—	—	
27	21	27	22	Rain.	55.2	—	1.0	1600	1.0	Overcast; drizzling rain; nimb.	—	—	—	—	
28	03	28	04	56.7	58.0	—	1.3	1700	1.0	Overcast; light rain; nimb; mist	—	—	—	—	
28	09	28	10	54.5	55.7	—	0.8	1900	1.0	Overcast; strat.	60.0	53.6	80.7	—	
28	15	28	16	53.3	54.8	—	0.8	—	1.0	Overcast; strat.	—	—	—	—	
28	21	28	22	54.5	55.8	—	1.0	1800	1.0	Overcast; misty; strat.	—	—	—	—	
29	03	29	04	55.6	58.9	—	0.3	2600	1.0	Overcast; light mist; cum.-strat.	—	—	—	—	
29	09	29	10	53.7	54.8	—	0.3	2700+	1.0	Cloudy; cum.-strat.	61.5	53.4	86.8	—	
29	15	29	16	53.0	54.5	—	0.8	—	1.0	Overcast; very dark; strat; a few drops of rain	—	—	—	—	
29	21	29	22	54.5	55.7	—	0.5	2600	1.0	Overcast; misty; strat.	—	—	—	—	
30	03	30	04	55.9	57.3	—	0.8	2600	0.9	Strat.; cum.	60.3	52.4	86.9	—	
30	09	30	10	53.0	54.1	—	0.5	2700+	1.0	Overcast; cum; strat.	—	—	—	0.25	
OCTOBER.															
SUNDAY.															
1	15	1	16	53.9	54.2	—	0.6	— <sup>a</sup>	1.0	Overcast; misty	60.0	53.0	74.3	—	
1	21	1	22	55.1	55.6	—	0.6	—	1.0		—	—	—	—	0.14
2	03	2	04	56.5	59.8	—	—	—	1.0		—	—	—	—	—
2	09	2	10	Rain.	55.4	—	—	—	1.0	Overcast; misty with showers	60.8	53.0	84.8	—	
2	15	2	16	Rain.	54.5	—	0.6	—	1.0		—	—	—	—	0.16
2	21	2	22	54.4	55.1	—	—	—	1.0		—	—	—	—	—
3	03	3	04	54.6	58.1	—	—	—	1.0	Overcast; haze and mist	60.2	54.6	80.6	—	
3	09	3	10	53.7	55.6	—	—	—	1.0		—	—	—	—	—
3	15	3	16	52.5	54.9	—	1.1	—	1.0		—	—	—	—	—
3	21	3	22	54.2	56.1	—	—	—	1.0	Overcast; hazy and dull	62.6	54.2	88.4	—	
4	03	4	04	56.8	59.4	—	—	—	1.0		—	—	—	—	—
4	09	4	10	54.6	55.9	—	—	—	1.0		—	—	—	—	—
4	15	4	16	53.3	54.7	—	1.5	—	1.0	Overcast; hazy and dull	—	—	—	—	—
4	21	4	22	55.0	57.6	—	—	—	1.0		—	—	—	—	—
5	03	5	04	56.9	60.9	—	—	—	1.0		—	—	—	—	—
5	09	5	10	53.0	55.8	—	—	—	1.0	Cloudy during the day; overcast at night; hazy in the morning	63.0	54.5	88.8	—	
5	15	5	16	51.6	55.0	—	1.4	—	1.0		—	—	—	—	—
5	21	5	22	55.0	56.5	—	—	—	1.0		—	—	—	—	—
6	03	6	04	57.0	60.1	—	—	—	1.0	Overcast; wet mist at night; dull in the morn- ing	62.5	54.2	83.6	—	
6	09	6	10	54.8	56.7	—	1.2	—	1.0		—	—	—	—	—
6	15	6	16	53.4	54.8	—	—	—	1.0		—	—	—	—	—
6	21	6	22	54.8	57.5	—	—	—	1.0	—	—	—	—	—	

<sup>a</sup> Not recorded.



Mean Solar Time (Astronom'. Recks.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.										
OCTOBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	°	In.	
7	03	7	04	56.6	59.8	— <sup>a</sup>	0.8	— <sup>a</sup>	1.0	} Overcast; hazy, with a few drops of rain occasionally	62.4	53.0	85.1	—	0.01
7	09	7	10	53.9	56.4	—		—	1.0						
SUNDAY.															
8	15	8	16	53.0	54.4	—	0.9	—	1.0	} Overcast; misty with rain	63.1	53.3	88.9	—	0.06
8	21	8	22	55.9	56.2	—		—	1.0						
9	03	9	04	57.4	58.8	—		—	1.0	} Overcast; thick and wet mist	61.0	53.9	86.2	—	0.02
9	09	9	10	54.1	55.1	—	1.0	—	1.0						
9	15	9	16	54.1	54.5	—		—	1.0						
9	21	9	22	55.4	55.7	—		—	1.0						
10	03	10	04	Rain.	58.9	—		—	1.0						
10	09	10	10	54.8	56.0	—	1.3	—	1.0	} Overcast; wet mist and light rain	60.1	54.7	79.3	—	—
10	15	10	16	54.6	55.3	—		—	1.0						
10	21	10	22	56.2	56.8	—		—	1.0						
11	03	11	04	56.6	58.5	—		—	1.0	} Overcast; mist	63.0	55.3	86.9	—	—
11	09	11	10	55.0	56.0	—	0.5	—	1.0						
11	15	11	16	55.0	56.0	—		—	1.0						
11	21	11	22	56.3	58.4	—		—	1.0						
12	03	12	04	59.9	63.4	—		—	0.9						
12	09	12	10	54.9	57.4	—	0.0	—	1.0	} Overcast; dull and calm	65.6	55.3	95.4	—	—
12	15	12	16	55.2	56.5	—		—	1.0						
12	21	12	22	56.2	58.3	—		—	1.0						
13	03	13	04	57.2	62.4	—		—	0.9	} Cloudy during the day; overcast at night; a little rain and mist in the morning	65.4	55.1	100.0	—	—
13	09	13	10	55.0	57.0	—	0.8	—	1.0						
13	15	13	16	54.3	55.6	—		—	1.0						
13	21	13	22	56.5	57.7	—		—	1.0						
14	03	14	04	57.5	61.3	—	1.6	—	1.0						
14	09	14	10	55.5	56.9	—		—	1.0	} Cloudy during the day; wind in gusts, with a few drops of rain at night	62.8	55.0	88.5	—	—
SUNDAY.															
15	15	15	16	53.6	56.2	—	1.1	—	1.0	} Overcast; very dark at night	63.8	55.1	89.8	—	—
15	21	15	22	55.6	57.7	—		—	1.0						
16	03	16	04	57.1	61.6	—		—	1.0	} Cloudy during the day; drizzling rain at night; morning fine	64.9	54.7	95.7	—	0.04
16	09	16	10	55.1	57.0	—	1.0	—	1.0						
16	15	16	16	54.4	55.4	—		—	1.0						
16	21	16	22	53.8	58.0	—		—	0.8						
17	03	17	04	57.4	61.7	—		—	0.5						
17	09	17	10	53.5	56.7	—	0.7	—	0.7	} Fine sunshine during the day; overcast and very dark at night; overcast in the morning	64.9	55.4	96.3	—	—
17	15	17	16	51.3	56.0	—		—	1.0						
17	21	17	22	52.9	57.4	—		—	1.0						
18	03	18	04	55.9	61.4	—		—	1.0	} Overcast during the day and at night; cloudy in the morning	63.2	54.0	90.5	—	—
18	09	18	10	53.8	56.2	—	1.0	—	1.0						
18	15	18	16	51.5	54.8	—		—	1.0						
18	21	18	22	53.2	58.5	—		—	0.9						
19	03	19	04	55.4	62.1	—		—	0.9						
19	09	19	10	56.5	57.2	—	1.3	—	1.0	} Fine during the day; overcast and very dark at night; mist and drizzling rain in the morning	64.0	54.5	90.6	—	0.08
19	15	19	16	Rain.	55.7	—		—	1.0						
19	21	19	22	57.3	57.5	—		—	1.0						
20	03	20	04	59.7	60.6	—		—	1.0	} Overcast; wet mist and drizzling rain	63.6	54.7	92.1	—	0.09
20	09	20	10	55.5	56.3	—	0.8	—	1.0						
20	15	20	16	Rain.	55.5	—		—	1.0						
20	21	20	22	55.0	57.2	—		—	1.0						
21	03	21	04	55.8	60.4	—	0.3	—	1.0						
21	09	21	10	Rain.	56.0	—		—	1.0	} Overcast during the day; misty, with rain at night	62.8	54.4	90.0	—	0.04
SUNDAY.															
22	15	22	16	54.0	55.0	—		—	1.0	} Overcast; thick mist and rain	64.0	53.9	98.8	—	0.15
22	21	22	22	Rain.	56.0	—	1.1	—	1.0						
23	03	23	04	57.0	58.1	—		—	1.0	} Overcast; wet mist and showers	61.1	54.6	83.0	—	0.04
23	09	23	10	55.4	56.0	—		—	1.0						
23	15	23	16	54.3	55.5	—	1.3	—	1.0						
23	21	23	22	56.0	57.7	—		—	0.9						
24	03	24	04	57.8	59.3	—		—	1.0						
24	09	24	10	Rain.	56.7	—		—	1.0	} Overcast; showery	62.0	54.1	84.8	—	0.14
24	15	24	16	Rain.	55.9	—	1.7	—	1.0						
24	21	24	22	Rain.	56.5	—		—	1.0						

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Recks.)		Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.									Direction.	Force.
OCTOBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	In.		
25	03	25	04	56.0	57.8	— <sup>a</sup>	—	— <sup>a</sup>	1.0						
25	09	25	10	55.9	56.6	—	—	—	1.0	} Overcast with showers - - - -	62.1	54.5	91.3	—	0.05
25	15	25	16	55.0	55.8	—	1.1	—	1.0						
25	21	25	22	57.1	57.4	—	—	—	1.0						
26	03	26	04	Rain.	59.5	—	—	—	1.0						
26	09	26	10	Rain.	55.8	—	—	—	1.0	} Overcast; mist and rain - - - -	62.8	54.0	89.7	—	0.19
26	15	26	16	Rain.	55.0	—	0.6	—	1.0						
26	21	26	22	57.1	57.1	—	—	—	0.9						
27	03	27	04	56.4	58.7	—	—	—	0.9						
27	09	27	10	55.0	56.1	—	—	—	1.0	} Cloudy during the day; overcast and dark at night; dull in the morning - - -	62.0	54.0	86.7	—	0.01
27	15	27	16	54.3	54.9	—	0.5	—	1.0						
27	21	27	22	55.8	57.7	—	—	—	1.0						
28	03	28	04	Rain.	59.2	—	—	—	1.0	} Cloudy and fine during the day; showery at night - - - -	63.4	53.9	95.3	—	—
28	09	28	10	54.5	56.0	—	0.5	—	1.0						
SUNDAY.															
29	15	29	16	52.5	54.5	—	—	—	0.8	} Cloudy at night; a few stars occasionally seen; fine bright morning - - - -	62.4	53.0	91.3	—	—
29	21	29	22	54.1	59.0	—	0.7	—	0.7						
30	03	30	04	55.2	62.7	—	—	—	0.6	} Fine during the day; cloudy at night; overcast in the morning - - - -	63.9	54.5	98.0	—	—
30	09	30	10	53.6	56.4	—	0.8	—	0.7						
30	15	30	16	Rain.	55.8	—	—	—	0.7						
30	21	30	22	50.7	59.1	—	—	—	0.9						
31	03	31	04	53.0	63.5	—	—	—	0.7	} Cloudy with sunshine during the day; overcast at night and in the morning - - -	65.1	53.9	97.9	—	—
31	09	31	10	54.1	57.0	—	0.6	—	1.0						
31	15	31	16	51.2	55.2	—	—	—	1.0						
31	21	31	22	54.7	58.6	—	—	—	1.0						
NOVEMBER.															
1	03	1	04	55.2	61.6	—	—	—	1.0	} Overcast during the day and at night; misty in the morning - - - -	64.0	54.1	94.5	—	0.09
1	09	1	10	54.4	56.8	—	0.5	—	0.9						
1	15	1	16	54.8	55.4	—	—	—	1.0						
1	21	1	22	54.8	57.8	—	—	—	1.0						
2	03	2	04	55.5	61.9	—	—	—	1.0	} Overcast during the day; cloudy at night; overcast in the morning; nearly calm - - -	64.4	53.5	94.3	—	—
2	09	2	10	54.6	56.8	—	0.2	—	0.9						
2	15	2	16	Rain.	54.7	—	—	—	1.0						
2	21	2	22	55.6	57.4	—	—	—	1.0						
3	03	3	04	53.8	63.3	—	—	—	0.8	} Overcast and calm throughout the day and night; cloudy in the morning - - -	65.8	54.8	96.8	—	0.01
3	09	3	10	51.6	57.3	—	0.2	—	0.9						
3	15	3	16	51.6	55.6	—	—	—	0.9						
3	21	3	22	55.1	59.0	—	—	—	0.8						
4	03	4	04	54.5	61.1	—	—	—	1.0	} Overcast, with very light wind - - - -	64.2	55.1	92.8	—	—
4	09	4	10	54.8	57.7	—	0.2	—	0.9						
SUNDAY.															
5	15	5	16	53.0	56.6	—	—	—	0.9	} Overcast at night; dull and overcast in the morning - - - -	64.8	55.8	94.1	—	—
5	22	5	22	—	58.2	—	0.5	—	1.0						
6	03	6	04	55.3	61.7	—	—	—	1.0	} Overcast and dull during the day; a few drops of rain at night; morning misty - - -	64.0	55.2	94.0	—	—
6	09	6	10	54.0	57.3	—	0.4	—	1.0						
6	15	6	16	52.3	56.4	—	—	—	1.0						
6	21	6	22	55.2	58.6	—	—	—	1.0						
7	03	7	04	Rain.	61.1	—	—	—	1.0	} Overcast with mist and rain - - - -	63.4	55.0	89.7	—	0.10
7	09	7	10	54.6	57.0	—	0.0	—	1.0						
7	15	7	16	Rain.	56.1	—	—	—	1.0						
7	21	7	22	Rain.	57.5	—	—	—	1.0						
8	03	8	04	56.5	61.3	—	—	—	1.0	} Overcast; dull; little wind - - - -	63.3	55.5	91.1	—	0.06
8	09	8	10	53.4	57.4	—	0.3	—	1.0						
8	15	8	16	54.2	56.1	—	—	—	1.0						
8	21	8	22	55.2	58.6	—	—	—	1.0						
9	03	9	04	56.7	60.7	—	—	—	1.0	} Overcast throughout the day - - - -	63.4	55.3	90.0	—	—
9	09	9	10	53.0	56.9	—	0.5	—	1.0						
9	15	9	16	54.0	56.0	—	—	—	1.0						
9	21	9	22	56.4	58.4	—	—	—	1.0						
10	03	10	04	56.0	63.8	—	—	—	0.8	} Cloudy and fine during the day; overcast at night; hazy and misty in the morning - - -	65.8	55.9	96.0	—	—
10	09	10	10	55.0	57.7	—	0.7	—	1.0						
10	15	10	16	55.2	56.8	—	—	—	1.0						
10	21	10	22	56.1	59.0	—	—	—	1.0						

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck.)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.	
St. Helena.		Göttingen.				Direction.	Force.									
NOVEMBER.																
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	In.	
11	03	11	04	57.1	62.5	— <sup>a</sup>	0.4	— <sup>a</sup>	1.0	} Overcast and hazy during the day; cloudy at night - - - - - }	64.1	56.9	91.7	—	—	
11	09	11	10	56.5	58.5	—	—	—	0.9							
SUNDAY.																
12	15	12	16	54.6	56.6	—	0.6	—	1.0	} Overcast at night; rain and mist in the morning - - - - - }	66.7	54.5	100.8	—	0.05	
12	21	12	22	Rain.	58.4	—	—	—	1.0							
13	03	13	04	59.0	63.7	—	—	—	0.9	} Overcast during the day; wet mist at night and in the morning - - - - - }	65.6	55.5	97.5	—	0.11	
13	09	13	10	56.7	58.9	—	0.5	—	1.0							
13	15	13	16	Rain.	57.2	—	—	—	1.0							
13	21	13	22	57.9	58.2	—	—	—	1.0							
14	03	14	04	58.2	61.0	—	—	—	0.9	} Overcast; during the day cloudy; very dark at night; mist and rain in the morning - - - }	64.3	56.8	92.6	—	0.04	
14	09	14	10	56.1	57.9	—	0.1	—	1.0							
14	15	14	16	54.4	57.0	—	—	—	1.0							
14	21	14	22	Rain.	60.0	—	—	—	1.0							
15	03	15	04	60.9	61.6	—	—	—	1.0	} Overcast, with mist and rain throughout the day - - - - - }	63.9	57.7	88.2	—	0.21	
15	09	15	10	58.0	59.0	—	0.7	—	1.0							
15	15	15	16	Rain.	58.3	—	—	—	1.0							
15	21	15	22	Rain.	60.4	—	—	—	1.0							
16	03	16	04	60.6	61.0	—	—	—	1.0	} Overcast; thick mist and rain - - - - - }	62.4	57.6	75.8	—	0.18	
16	09	16	10	Rain.	59.4	—	1.6	—	1.0							
16	15	16	16	58.2	58.3	—	—	—	1.0							
16	21	16	22	59.0	59.6	—	—	—	1.0							
17	03	17	04	Rain.	60.0	—	—	—	1.0	} Overcast; wet mist and showers - - - - - }	61.3	56.1	83.0	—	0.15	
17	09	17	10	58.0	58.3	—	1.1	—	1.0							
17	15	17	16	Rain.	57.5	—	—	—	1.0							
17	21	17	22	Rain.	58.6	—	—	—	1.0							
18	03	18	04	58.5	60.4	—	0.6	—	1.0	} Overcast; misty and light rain - - - - - }	63.0	56.4	75.6	—	0.01	
18	09	18	10	Rain.	57.9	—	—	—	1.0							
SUNDAY.																
19	15	19	16	52.6	57.0	—	0.5	—	0.9	} Overcast; very dark at night - - - - - }	65.0	56.0	—	—	—	
19	21	19	22	56.1	60.5	—	—	—	1.0							
20	03	20	04	56.3	64.9	—	—	—	0.9	} Overcast and cloudy during the day; fine starlight night; overcast in the morning - - - }	67.8	56.3	—	—	—	
20	09	20	10	54.1	57.6	—	0.2	—	0.5							
20	15	20	16	55.0	57.8	—	—	—	0.8							
20	21	20	22	54.6	60.0	—	—	—	1.0							
21	03	21	04	53.5	66.1	—	—	—	0.4	} Fine during the day; calm at night; occasionally starlight; morning overcast - - - }	68.3	56.3	100.1	—	—	
21	09	21	10	55.4	59.4	—	0.4	—	0.7							
21	15	21	16	53.0	58.6	—	—	—	1.0							
21	21	21	22	52.5	61.0	—	—	—	1.0							
22	03	22	04	51.2	65.3	—	—	—	0.9	} Cloudy and occasionally fine; overcast and very dark at night; overcast in the morning }	68.6	58.9	110.5	—	—	
22	09	22	10	57.0	60.5	—	0.3	—	1.0							
22	15	22	16	55.0	59.5	—	—	—	1.0							
22	21	22	22	54.8	60.1	—	—	—	1.0							
23	03	23	04	57.8	64.8	—	—	—	0.8	} Cloudy; fine in the afternoon; overcast and very dark at night; overcast in the morning }	67.4	57.4	—	—	—	
23	09	23	10	56.4	59.3	—	0.4	—	0.7							
23	15	23	16	55.2	58.2	—	—	—	1.0							
23	21	23	22	55.3	61.2	—	—	—	1.0							
24	03	24	04	57.5	64.7	—	—	—	0.9	} Overcast and dull; little wind - - - - - }	67.5	58.0	—	—	—	
24	09	24	10	55.5	59.5	—	0.5	—	1.0							
24	15	24	16	55.3	58.7	—	—	—	1.0							
24	21	24	22	56.6	61.8	—	—	—	1.0							
25	03	25	04	58.2	67.7	—	—	—	0.6	} Fine and nearly calm - - - - - }	70.1	58.3	—	—	—	
25	09	25	10	57.3	60.7	—	0.3	—	1.0							
SUNDAY.																
26	15	26	16	57.1	59.6	—	—	—	1.0	} Overcast and very dark at night; morning overcast - - - - - }	69.3	58.8	100.3	—	—	
26	21	26	22	60.0	62.0	—	1.6	—	1.0							
27	03	27	04	62.3	65.8	—	—	—	0.8	} Overcast; mist and drizzling rain throughout the day - - - - - }	68.4	60.0	98.2	—	0.27	
27	09	27	10	Rain.	60.9	—	1.3	—	1.0							
27	15	27	16	Rain.	60.5	—	—	—	1.0							
27	21	27	22	Rain.	62.0	—	—	—	1.0							
28	03	28	04	Rain.	63.0	—	—	—	1.0	} Overcast; thick mist and rain throughout the day - - - - - }	63.5	57.8	81.1	—	0.41	
28	09	28	10	Rain.	61.5	—	1.3	—	1.0							
28	15	28	16	Rain.	60.2	—	—	—	1.0							
28	21	28	22	Rain.	60.4	—	—	—	1.0							

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck.)		Dew Point.	Standard Therm.	Wind.		Approx- imate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.		
St. Helena.	Göttingen.			Direction.	Force.										
NOVEMBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.		°	°	°	°	In.	
29	03	29	04	60.9	63.3				1.0						
29	09	29	10	59.0	59.5	— <sup>a</sup>	1.2	—	0.8	} Overcast and misty during the day and at night; overcast in the morning - - }	65.0	58.0	88.7	—	0.01
29	15	29	16	57.5	58.6				1.0						
29	21	29	22	58.6	61.1				1.0						
30	03	30	04	59.6	61.8				1.0						
30	09	30	10	58.4	58.8	—	1.0	—	1.0						
30	15	30	16	56.7	58.0				1.0	} Overcast; mist and fog - - - }	65.4	56.5	89.8	—	0.04
30	21	30	22	58.5	59.4				1.0						
DECEMBER.															
1	03	1	04	59.4	63.1				1.0	} Overcast; fair - - - }	66.4	58.8	95.7	—	—
1	09	1	10	58.3	59.9	—	0.9	—	1.0						
1	15	1	16	55.5	59.0				1.0						
1	21	1	22	60.2	61.7				1.0	} Overcast; fair - - - }	66.4	58.5	93.4	—	—
2	03	2	04	60.1	65.1	} S. 28 E.	2.2	—	1.0						
2	09	2	10	59.5	60.7				1.0						
SUNDAY.															
3	15	3	16	60.2	60.5	} S. 32 E.	2.3	—	1.0	} Overcast; thick mist and rain - - - }	66.2	58.0	90.7	—	0.18
3	21	3	22	61.5	61.5				1.0						
4	03	4	04	62.6	65.8				0.9	} Overcast; misty with rain occasionally - - }	67.8	59.9	96.5	—	0.12
4	09	4	10	60.7	61.4	} S. 45 E.	0.8	—	1.0						
4	15	4	16	Rain.	60.5				1.0						
4	21	4	22	Rain.	62.0	1.0									
5	03	5	04	62.6	63.5				1.0						
5	09	5	10	Rain.	61.2	} S. 47 E.	0.7	—	1.0	} Overcast; wet mist and rain - - - }	64.2	58.0	78.4	—	0.54
5	15	5	16	Rain.	60.1				1.0						
5	21	5	22	Rain.	61.0				1.0	} Overcast; thick mist with occasional showers }	63.3	57.9	76.7	—	0.18
6	03	6	04	60.6	61.6	} S. 40 E.	0.8	—	1.0						
6	09	6	10	59.5	59.7				1.0						
6	15	6	16	59.1	59.2				1.0						
6	21	6	22	60.5	61.3				1.0						
7	03	7	04	60.5	60.7				1.0	} Overcast; misty with rain - - - }	63.6	57.4	80.3	—	0.21
7	09	7	10	59.4	59.5	} S. 45 E.	0.7	—	1.0						
7	15	7	16	59.1	59.2				1.0						
7	21	7	22	59.3	59.9				1.0	} Overcast; thick mist and showers - - }	65.5	57.5	91.2	—	0.16
8	03	8	04	60.5	63.0	} S. 45 E.	0.5	—	0.9						
8	09	8	10	59.3	59.8				1.0						
8	15	8	16	Rain.	58.5				1.0						
8	21	8	22	59.2	60.4				1.0						
9	03	9	04	62.0	64.0	} S. 44 E.	0.5	—	0.9	} Cloudy with slight showers - - - }	68.0	58.5	100.7	—	0.06
9	09	9	10	59.4	60.0				0.9						
SUNDAY.															
10	15	10	16	58.6	60.1	} S. 43 E.	0.5	—	1.0	} Overcast; dull and hazy - - - }	67.3	58.4	95.9	—	0.02
10	21	10	22	59.3	61.4				1.0						
11	03	11	04	Rain.	63.4				0.9	} Overcast with occasional mist - - - }	66.9	59.0	96.1	—	0.04
11	09	11	10	59.7	60.5	} S. 44 E.	0.8	—	1.0						
11	15	11	16	57.8	59.5				1.0						
11	21	11	22	61.0	61.8				1.0						
12	03	12	04	61.4	65.0				1.0						
12	09	12	10	58.9	60.7	} S. 43 E.	0.8	—	1.0	} Overcast; fair - - - }	67.8	59.2	96.1	—	—
12	15	12	16	58.5	60.0				1.0						
12	21	12	22	58.9	61.7				1.0	} Cloudy and fine during the day and night; overcast with slight rain in the morning - - }	70.4	59.3	102.2	—	—
13	03	13	04	60.1	68.7	} S. 38 E.	1.9	—	0.8						
13	09	13	10	59.3	61.3				0.9						
13	15	13	16	59.0	60.5				0.9						
13	21	13	22	60.5	61.7				0.9						
14	03	14	04	63.0	65.8				0.5	} Fine and bright during the day; overcast at night and in the morning; brisk wind - - }	69.2	59.0	100.1	—	—
14	09	14	10	61.1	61.8	} S. 40 E.	2.5	—	1.0						
14	15	14	16	58.4	60.0				0.9						
14	21	14	22	56.8	61.2				1.0						
15	03	15	04	60.3	65.7				0.7						
15	09	15	10	57.0	60.8	} S. 43 E.	2.7	—	0.7	} Clear during the day; overcast at night and in the morning; brisk wind - - - }	70.0	59.4	104.0	—	—
15	15	15	16	55.6	61.0				1.0						
15	21	15	22	57.3	61.5				1.0						

<sup>a</sup> Not recorded.

Mean Solar Time (Astronom. Reck <sup>s</sup> .)				Dew Point.	Standard Therm.	Wind.		Approximate Height of Clouds.	Extent of Cloudy Sky.	Weather and Phenomena.	Max. Therm.	Min. Therm.	Solar Rad.	Terr. Rad.	Rain.
St. Helena.		Göttingen.				Direction.	Force.								
DECEMBER.															
D.	H.	D.	H.	°	°	°	lbs.	Feet.			°	°	°	°	°
16	15	16	16	60.0	67.0	S. 45 E.	2.5	— <sup>a</sup>	0.9	Cloudy and fine - - - -	69.8	59.8	102.5	—	—
16	21	16	22	55.3	61.0				0.8						
SUNDAY.															
17	03	17	04	57.5	60.5	S. 46 E.	1.4	—	1.0	Overcast; fair - - - -	70.4	59.9	103.7	—	—
17	09	17	10	56.3	63.2				1.0						
18	03	18	04	58.9	67.4	S. 52 E.	0.9	—	1.0	Overcast; fair - - - -	69.3	59.8	99.7	—	—
18	09	18	10	56.1	61.3				1.0						
18	15	18	16	55.9	60.3				1.0						
18	21	18	22	59.7	63.5				1.0						
19	03	19	04	59.1	66.4	S. 48 E.	0.5	—	0.8	Cloudy; fine - - - -	70.0	58.5	106.7	—	—
19	09	19	10	59.0	61.8				0.6						
19	15	19	16	57.3	59.6				0.6						
19	21	19	22	58.1	64.0				0.9						
20	03	20	04	57.2	70.0	S. 23 E.	0.8	—	0.5	Fine and cloudy in the day; very clear at night; overcast and fair in the morning; wind southerly - - - -	71.9	59.3	100.5	—	—
20	09	20	10	59.8	63.0				0.4						
20	15	20	16	58.1	60.2				0.3						
20	21	20	22	59.8	63.8				1.0						
21	03	21	04	58.1	70.8	S. 5 E.	0.9	—	0.4	Very fine during the day; wind southerly and very light; cloudy at night and in the morning - - - -	73.7	59.9	107.5	—	—
21	09	21	10	59.0	62.1				0.1						
21	15	21	16	59.0	61.6				0.9						
21	21	21	22	59.9	64.5				0.8						
22	03	22	04	60.8	72.0	S. 2 W.	0.5	—	0.2	Very fine during the day; wind southerly and very light; overcast at night and in the morning - - - -	75.9	60.5	111.9	—	—
22	09	22	10	58.5	62.9				0.4						
22	15	22	16	58.1	62.5				1.0						
22	21	22	22	61.7	66.3				0.9						
23	03	23	04	59.9	68.4	S. 26 E.	0.5	—	0.9	Cloudy; sun at intervals - - - -	70.4	61.1	98.8	—	0.13
23	09	23	10	62.5	63.9				0.9						
SUNDAY.															
24	15	24	16	60.7	61.6	S. 48 E.	0.8	—	1.0	Overcast; wet mist - - - -	66.9	60.4	74.7	—	0.10
24	21	24	22	63.0	63.8				1.0						
25	00 <sup>b</sup>	25	00 <sup>b</sup>	—	—	S. 51 E.	0.8	—	—	Overcast; wet mist with rain - - - -	66.3	60.5	72.0	—	0.50
26	03	26	04	62.9	63.6	S. 37 E.	1.4	—	1.0	Overcast; misty - - - -	65.9	59.8	84.7	—	0.10
26	09	26	10	Rain.	61.2				1.0						
26	15	26	16	58.8	60.4				1.0						
26	21	26	22	Rain.	61.0				1.0						
27	03	27	04	61.6	66.0	S. 37 E.	0.9	—	0.9	Overcast; misty in the day; at night and in the morning fair - - - -	68.0	60.3	93.7	—	—
27	09	27	10	58.8	61.2				1.0						
27	15	27	16	57.0	60.6				1.0						
27	21	27	22	59.2	63.7				1.0						
28	03	28	04	59.5	69.1	S. 41 E.	0.6	—	0.9	Cloudy and fine during the day; overcast at night and in the morning - - - -	70.7	61.0	94.0	—	—
28	09	28	10	59.5	62.7				0.8						
28	15	28	16	60.5	62.1				1.0						
28	21	28	22	61.0	64.6				1.0						
29	03	29	04	60.7	67.5	S. 51 E.	0.6	—	0.8	Overcast; fair - - - -	71.1	61.5	106.2	—	0.02
29	09	29	10	61.2	63.0				1.0						
29	15	29	16	Rain.	62.0				1.0						
29	21	29	22	62.2	63.1				1.0						
30	03	30	04	62.6	64.4	S. 45 E.	1.4	—	1.0	Overcast; mist and drizzling rain - - - -	67.7	60.6	78.7	—	0.28
30	09	30	10	Rain.	62.5				1.0						
SUNDAY.															
31	15	31	16	Rain.	60.8	S. 40 E.	2.1	—	1.0	Overcast; misty with rain - - - -	66.4	59.4	81.5	—	0.19
31	21	31	22	Rain.	61.3				1.0						

<sup>a</sup> Not recorded.<sup>b</sup> Christmas-day.

**ST. HELENA.**

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**OBSERVATIONS OF THE MAGNETIC INCLINATION.**

1841, 1842, 1843, 1844, and 1845.

Observations of Inclination, made on Tuesdays and Fridays three hours before and three hours after Noon.

St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	
1840						1841						
D. H.						D. H.						
April 16 22	1 (9 In.)	-18 26.9	-24 09.1	-21 18.0	-21 18.0	1 03	1 (6 In.)	-20 50.3	-22 27.1	-21 38.7	-21 20.0	
May 19 05	2	-21 32.3	-20 43.4	-21 07.9	-21 07.9	4 21	1	20 39.9	22 13.1	21 26.5		
June 23 22	2	-21 56.4	-20 33.1	-21 14.8	-21 14.8	8 03	1	20 08.7	21 58.3	21 03.5		
July 21 00	2	-21 43.4	-21 25.8	-21 34.6	-21 34.6	11 21	1	20 10.3	21 59.4	21 04.9		
Aug. 21 04	2	-21 01.9	-21 49.2	-21 25.6	-21 25.6	15 03	1	20 36.3	22 12.5	21 24.4		
Sept. 23 23	2	-20 40.4	-21 55.3	-21 17.9	-21 17.9	22 03	1	21 29.4	21 20.5	21 25.0		
Oct. 21 22	1	-22 49.2	-18 31.6	-20 40.4	-20 48.4	25 21	1	21 14.0	21 39.1	21 26.6		
— 27 22	1	-18 21.8	-23 31.0	-20 56.4		29 03	1	-20 52.2	-21 29.1	-21 10.7		
Nov. 22 22	1	-19 34.1	-23 09.5	-21 21.8	-21 21.8	1 21	1 (6 In.)	-21 03.6	-21 51.5	-21 27.6		-21 34.4
Dec. 21 23	1	-23 17.7	-18 55.9	-21 06.8	-21 06.8	5 03	1	20 50.1	22 38.6	21 44.3		
1841						8 21	1	21 15.4	22 13.3	21 44.4		
Jan. 21 03	1	-23 22.5	-19 41.1	-21 31.8	-21 31.8	12 03	1	20 54.4	21 50.1	21 22.3		
Feb. 21 22	1	-23 06.9	-20 17.7	-21 42.3	-21 42.3	15 21	1	21 25.1	20 56.0	21 10.6		
Mar. 21 22	1	-22 46.1	-19 56.3	-21 21.2	-21 22.4 <sup>a</sup>	19 03	1	20 36.3	21 53.1	21 14.7		
— 22 03	2	-22 14.5	-20 57.8	-21 36.2		22 21	1	20 52.3	23 20.1	22 06.2		
— 29 23	1	-19 58.0	-22 21.6	-21 09.8		26 03	1	21 38.5	21 45.9	21 42.2		
April 22 00	1	-20 34.8	-22 03.9	-21 19.4	—	29 21	1	-21 46.3	-21 28.3	-21 37.3		
May 20 22	1	-21 28.1	-21 38.8	-21 33.4	—	3 03	1 (6 In.)	-21 53.8	-21 09.5	-21 31.7	-21 23.8	
June 22 23	2	-21 20.3	-21 02.1	-21 11.2	-21 13.8 <sup>b</sup>	6 21	1	21 38.2	21 12.0	21 25.1		
— 28 22	1	-20 59.3	-21 33.5	-21 16.4		10 03	1	21 43.0	21 22.9	21 33.0		
July	1 (9 In.)	-20 58.4	-21 57.3	-21 27.9	-21 24.7	13 21	1	21 49.7	20 25.4	21 07.6		
2 03	1	22 06.4	21 54.2	22 00.3		17 03	1	22 04.0	20 49.5	21 26.8		
5 21	1	21 00.5	21 58.7	21 29.6		20 21	1	21 42.5	20 53.0	21 17.8		
9 03	1	21 27.5	21 07.1	21 17.3		24 03	1	21 40.1	20 37.6	21 08.9		
12 21	1	21 05.8	21 48.5	21 27.1		27 21	1	22 01.2	20 59.2	21 30.2		
16 03	1	20 56.9	21 27.3	21 12.1		31 03	1	-21 57.0	-21 09.1	-21 33.1		
19 21	1	20 50.2	21 44.6	21 17.4		1842						
23 03	1	21 17.2	21 17.2	21 17.2	3 21	1 (6 In.)	-22 00.2	-20 23.6	-21 11.9	-21 10.3		
26 21	1	-21 21.1	-21 05.4	-21 13.2	7 03	1	22 09.2	20 25.8	21 17.5			
30 03	1	-21 17.1	-21 03.0	-21 10.1	10 21	1	22 11.6	20 36.2	21 23.9			
August	1	21 13.0	21 04.1	21 08.6	14 03	1	22 00.5	20 48.1	21 24.3			
1 21	1	21 25.1	22 30.0	21 57.6	17 21	1	22 02.7	19 57.4	21 00.0			
6 03	1	21 22.3	22 25.9	21 54.1	21 03	1	22 00.7	20 37.9	21 19.3			
9 21	1	20 57.2	22 12.7	21 34.9	24 21	1	21 58.2	19 53.4	20 55.8			
13 03	1	21 26.1	22 10.0	21 48.1	28 03	1	21 34.6	20 37.6	21 06.1			
16 21	1	21 19.7	21 37.3	21 28.5	31 21	1	-21 45.4	-20 02.6	-20 54.0			
20 03	1	21 40.2	21 09.9	21 25.1	7 21	1 (6 In.)	-21 18.2	-21 09.8	-21 14.0		-21 19.6	
23 21	1 (6 In.)	-21 33.8	-21 12.2	-21 23.0	11 03	1	21 17.9	21 19.7	21 18.8			
27 03	1	-21 17.1	-21 03.0	-21 10.1	14 21	1	21 50.5	21 03.5	21 27.0			
30 21	1	21 13.0	21 04.1	21 08.6	18 03	1	22 12.8	20 26.5	21 14.7			
September	1 (6 In.)	-20 50.3	-21 43.1	-21 16.7	22 21	1	22 09.0	20 01.4	21 05.2			
3 03	1 (6 In.)	-20 49.2	-22 27.4	-21 38.3	25 03	1	20 47.5	22 23.4	21 35.4			
6 21	1	20 15.2	21 09.3	20 42.1	28 21	1	-21 19.1	-21 24.9	-21 22.0			
10 03	1	20 28.5	22 22.2	21 25.4	4 03	1 (6 In.)	-22 03.8	-20 56.6	-21 30.2			
13 21	1	20 53.9	22 01.4	21 27.6	7 21	1	22 08.6	20 54.8	21 31.7			
17 03	1	20 28.0	22 42.8	21 35.4	11 03	1	21 45.6	21 09.2	21 27.4			
20 21	1	19 39.4	21 58.2	20 48.8	14 21	1	21 54.2	21 19.7	21 36.9			
24 03	1	-20 53.5	-22 09.2	-21 31.4	18 03	1	22 01.9	21 00.4	21 31.1			
28 21	1	-20 53.5	-22 09.2	-21 31.4	21 21	1	22 02.8	21 16.4	21 39.6			
					25 03	1	22 08.8	20 40.0	21 24.4	-21 30.9		
					28 21	1	-22 09.7	-20 42.0	-21 25.8			
					1 03	1 (6 In.)	-22 01.0	-21 06.2	-21 33.6			
					4 21	1	21 32.9	21 31.6	21 32.2			
					8 03	1	22 15.0	20 46.7	21 30.8			
					11 21	1	21 14.3	21 43.1	21 28.7			
					15 03	1	21 27.9	21 28.5	21 28.2			
					18 21	1	21 36.3	21 27.3	21 31.8			
					22 03	1	21 53.1	21 08.3	21 30.7			
					25 21	1	21 49.9	21 20.7	21 35.3			
					29 03	1	-22 04.1	-21 16.5	-21 40.3			

<sup>a</sup> The heavier pole of needle 1 was rubbed down upon an oil-stone on the 16th, and again on the 27th.

<sup>b</sup> This was the first observation made in the new dip-house, constructed over the spot (marked by a peg) where the previous observations were made.

<sup>c</sup> A new 6-inch instrument was here taken into use.

## Observations of Inclination, made on Tuesdays and Fridays three hours before and three hours after Noon.

St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.		
1842						1842							
		° /	° /	° /	° /			° /	° /	° /	° /		
May						November							
2 21	1 (6 In.)	-21 44.8	-21 26.5	-21 35.6	-21 25.6	4 03	1 (6 In.)	-21 29.3	-21 31.5	-21 30.4	-21 32.2		
6 03	1	21 43.9	21 01.6	21 22.8		7 21	1	21 33.4	21 53.4	21 43.4			
9 21	1	21 44.5	20 58.2	21 21.3		11 03	1	21 26.9	21 24.1	21 25.5			
13 03	1	21 41.5	20 59.5	21 20.5		14 21	1	21 32.3	21 20.2	21 26.2			
16 21	1	21 46.5	21 22.2	21 34.3		18 03	1	21 29.1	21 43.2	21 36.1			
20 03	1	21 32.7	21 26.6	21 29.6		21 21	1	21 37.9	21 23.2	21 30.5			
23 21	1	21 37.1	20 51.0	21 14.0		25 03	1	21 32.2	21 31.8	21 32.0			
27 03	1	22 01.7	21 05.9	21 33.8		28 21	1	-21 18.4	-21 49.0	-21 33.7			
30 21	1	-21 30.1	-21 06.8	-21 18.4									
June							December						
3 03	1 (6 In.)	-21 26.6	-21 36.6	-21 31.6	-21 25.8	2 03	1 (6 In.)	-21 39.4	-21 26.4	-21 32.9	-21 34.3		
6 21	1	21 30.0	21 15.5	21 22.7		5 21	1	21 34.1	21 38.7	21 36.4			
10 03	1	21 55.8	20 49.5	21 22.7		9 03	1	21 37.9	21 42.1	21 40.0			
13 21	1	22 09.6	21 03.2	21 36.4		12 21	1	21 38.9	21 37.3	21 38.1			
17 03	1	21 57.6	21 00.8	21 29.2		16 03	1	21 33.5	21 45.5	21 39.5			
20 21	1	21 02.5	21 24.0	21 13.2		19 21	1	21 27.3	21 30.7	21 29.0			
24 03	1	22 11.4	20 45.4	21 28.4		23 04	1	21 29.6	21 32.5	21 31.0			
27 21	1	-22 03.1	-20 41.6	-21 22.3		26 21	1	21 09.4	21 53.2	21 31.3			
					30 03	1	-21 17.8	-21 43.4	-21 30.6				
July						1843							
1 03	1 (6 In.)	-21 58.4	-20 46.4	-21 22.4	-21 13.1	2 21	1 (6 In.)	-21 31.2	-21 17.4	-21 24.3	-21 34.6		
4 21	1	21 34.0	20 26.9	21 00.4		6 03	1	21 59.2	21 09.1	21 34.1			
8 03	1	21 44.3	21 04.5	21 24.4		9 21	1	22 24.0	20 55.4	21 39.7			
11 21	1	21 50.9	20 45.9	21 18.4		13 03	1	22 24.9	21 09.3	21 47.1			
15 03	1	21 57.1	21 22.7	21 39.9		16 21	1	22 06.5	20 46.5	21 26.2			
18 21	1	22 00.6	20 24.6	21 12.6		20 03	1	22 11.0	20 51.1	21 31.0			
22 03	1	22 42.7	18 57.5	20 50.1		23 21	1	22 24.1	20 46.9	21 35.5			
25 21	1	22 42.1	19 27.5	21 04.8		27 03	1	22 25.0	20 45.8	21 35.4			
29 03	1	-22 24.3	-19 44.9	-21 04.6		30 21	1	-22 34.0	-20 42.4	-21 38.2			
August						February							
1 21	1 (6 In.)	—	—	-20 53.8	-21 17.5	3 03	1 (6 In.)	-22 36.2	-20 42.4	-21 39.3	-21 38.9		
5 03	1	-22 11.7	-19 56.9	21 04.3		6 21	1	22 55.8	20 31.4	21 43.6			
8 21	1	22 28.1	19 56.6	21 12.3		10 03	1	22 21.5	20 35.7	21 28.6			
12 03	1	22 33.9	19 53.5	21 13.7		13 21	1	22 34.1	20 44.2	21 39.1			
15 21	1	22 42.2	19 32.6	21 07.4		17 03	1	22 33.6	20 38.0	21 35.8			
19 03	1	22 22.0	20 44.3	21 33.1		20 21	1	22 48.0	20 36.6	21 42.3			
22 21	1	21 29.3	21 39.1	21 34.2		24 03	1	22 31.8	20 49.1	21 40.4			
26 03	1	21 22.7	21 49.7	21 36.2		27 21	1	-22 27.9	-20 57.5	-21 42.7			
29 21	1	-20 45.9	-21 58.9	-21 22.4									
September						March							
2 03	1 (6 In.)	-21 10.6	-21 45.9	-21 28.3	-21 23.9	3 03	1 (6 In.)	-22 36.8	-20 20.0	-21 28.4	-21 43.2		
5 21	1	21 13.6	21 07.1	21 10.4		6 21	1	22 46.3	20 32.7	21 39.5			
9 03	1	21 42.3	21 13.2	21 27.8		10 03	1	22 48.8	20 50.1	21 49.4			
12 21	1	21 15.4	21 05.7	21 10.5		13 21	1	22 53.8	20 36.4	21 45.1			
16 03	1	21 37.2	21 32.4	21 34.8		17 03	1	22 53.0	20 39.8	21 46.4			
19 21	1	21 24.2	21 28.8	21 26.5		20 21	1	22 43.4	20 37.0	21 40.2			
23 03	1	21 01.6	21 27.8	21 14.7		24 03	1	22 33.8	20 51.3	21 42.5			
26 21	1	21 33.0	21 39.0	21 36.0		27 21	1	21 27.2	21 58.0	21 42.6			
30 03	1	-21 11.1	-21 41.9	-21 26.5	31 03	1	-22 49.9	-21 00.7	-21 55.3				
October						April							
3 21	1 (6 In.)	-21 29.4	-21 30.2	-21 29.8	-21 34.3	4 00	1 (6 In.)	-22 41.4	-20 49.0	-21 45.2	-21 45.1 <sup>a</sup>		
7 03	1	21 33.1	21 30.3	21 31.7		7 00	1	20 58.3	22 09.4	21 33.9			
10 21	1	21 30.1	21 38.4	21 34.3		18 00	1	-21 06.0	22 31.4	21 48.7			
14 03	1	21 30.4	21 39.6	21 35.0		21 00	1			21 37.7			
17 21	1	21 29.9	21 36.4	21 33.1		25 00	1			21 48.7			
21 03	1	21 29.4	21 48.4	21 38.9		28 00	1			-21 51.6			
24 21	1	21 29.8	21 45.6	21 37.7									
28 03	1	21 24.8	21 46.8	21 35.8									
31 21	1	-21 24.2	-21 39.8	-21 32.0									

<sup>a</sup> Between the 7th and 17th instant, the dipping needle (No. 1, 6-inch) was shortened by rubbing each end, and the level of the planes re-adjusted. The mode of observation was altered as follows:—Readings "Poles Direct" were taken on Tuesday mornings,

the same repeated Tuesday afternoons, and readings "Poles Reversed" on Friday mornings, and repeated Friday afternoons. The mean of the A.M. and P.M. observations correspond consequently to the intermediate hour, or to noon.



Observations of Inclination, made on Tuesdays and Fridays three hours before and three hours after Noon.

St. Helena Time.		Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	St. Helena Time.		Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	
1843							1843							
	D.	H.	° /	° /	° /	° /		D.	H.	° /	° /	° /	° /	
May	2	00	1 (6 In.)	-21 11.8	-22 06.1	-21 38.9	-21 42.1 <sup>a</sup>	December	1	00	1 (6 In.)	-22 10.3	-21 51.2	
	5	00	1	21 13.4	23 09.2	21 39.8			5	00	1	-21 32.1	22 06.4	21 49.2
	9	00	1	20 06.6	23 10.8	21 37.9			8	00	1	21 33.6	22 11.2	21 50.0
	12	00	1	20 02.7	-23 11.5	21 36.7			12	00	1	21 36.0	22 05.7	21 53.6
	16	00	1	-20 01.0	-23 22.9	21 37.1			15	00	1	-21 35.1	-22 09.5	21 50.8
	19	00	1		-23 33.6	21 36.2			19	00	1			21 50.4
	23	00	1		-23 48.7	-21 51.6			22	00	1			21 52.3
June	2	00	(6 In.)	-23 22.9	-21 41.9	21 40.2	-21 44.0	January	2	00	1 (6 In.)	-21 30.8	-21 51.0	
	6	00	1	23 33.6	21 45.6	5			00	1	-22 11.2	21 54.6		
	9	00	1	19 56.0	23 30.2	21 44.8			9	00	1	21 38.1	22 08.5	21 53.3
	13	00	1	19 57.9	23 28.5	21 43.1			12	00	1	21 33.7	22 08.6	21 51.1
	16	00	1	-19 54.5	-23 48.7	21 44.0			16	00	1	-21 34.9	-22 07.1	21 51.2
	20	00	1		-22 00.7	21 43.2			19	00	1			21 51.7
	23	00	1		-22 00.9	21 41.5			23	00	1			21 51.0
July	18	00	1 (6 In.)	-21 33.2	-21 47.0	21 50.4	-21 49.0 <sup>b</sup>	April	8	21	1 (9 In.)	-21 27.6	-22 16.8	-21 52.2
	21	00	1	22 00.7	21 50.5	12			03	1	21 43.4	22 25.7	22 04.5	
	25	00	1	-21 40.2	-21 48.2	15			21	1	21 32.1	22 13.7	21 52.9	
August	1	00	1 (6 In.)	-21 35.5	-22 03.5	21 49.2	-21 48.5	May	19	03	1	22 09.3	21 49.4	21 59.3
	4	00	1	21 34.9	22 01.9	21 47.1			25	21	1	22 10.8	21 49.9	22 00.3
	8	00	1	21 32.3	22 03.1	21 50.0			26	03	1	21 51.2	21 46.1	21 48.6
	11	00	1	21 36.9	-22 02.3	21 47.0			29	21	1	-21 47.9	-21 56.2	-21 53.0
	15	00	1	-21 31.8	-22 03.7	21 47.7			3	03	1 (9 In.)	-21 58.6	-21 54.6	-21 56.6
	18	00	1		-21 35.2	21 49.4			6	21	1	21 53.4	21 55.0	21 54.2
	22	00	1		22 04.1	21 49.6			10	03	1	22 01.1	22 00.1	22 00.6
September	1	00	1 (6 In.)	-22 03.7	-21 47.7	21 47.1	-21 48.5	June	13	21	1	22 02.5	21 56.9	21 59.7
	5	00	1	21 30.2	22 06.3	21 48.2			17	03	1	22 08.7	22 06.9	22 07.8
	8	00	1	21 31.8	22 02.8	21 47.3			20	21	1	21 58.5	21 54.2	21 56.3
	12	00	1	-21 34.2	-22 05.7	21 48.5			24	03	1	22 05.8	22 10.0	22 07.9
	15	00	1		-22 06.2	21 49.1			27	21	1	21 50.9	21 37.3	21 44.1
	19	00	1		-22 07.1	21 49.4			31	03	1	-21 48.3	-21 43.3	-21 45.7
October	3	00	1 (6 In.)	-21 32.6	-22 06.2	21 48.7	-21 49.4	July	3	21	1 (9 In.)	-21 59.1	-21 40.0	-21 49.6
	6	00	1	21 31.3	22 07.4	21 49.3			7	03	1	21 56.4	21 48.0	21 52.2
	10	00	1	21 32.5	22 05.1	21 48.8			10	21	1	22 01.7	21 39.0	21 50.3
	13	00	1	-21 35.2	-22 09.6	21 47.5			14	03	1	22 09.9	21 40.7	21 55.3
	17	00	1		-22 07.1	21 49.8			17	21	1	22 11.5	21 46.3	21 58.9
	20	00	1		-22 07.1	21 49.9			21	03	1	22 06.5	21 48.1	21 57.3
	24	00	1		-22 07.1	21 49.8			24	21	1	22 03.1	21 41.1	21 52.1
	27	00	1		-22 07.1	21 49.9			28	03	1	-21 07.3	-21 37.9	-21 52.6
November	3	00	1 (6 In.)	-22 07.1	-21 51.1	21 47.0	-21 50.3	August	1	21	1 (9 In.)	-21 21.1	-22 46.1	-22 03.6
	7	00	1	21 36.5	22 06.2	21 44.5			5	03	1	22 24.5	21 00.7	21 42.6
	10	00	1	21 36.8	-22 08.4	21 52.3			8	21	1	21 53.9	22 14.3	22 04.1
	14	00	1		-22 07.1	21 47.0			12	03	1	22 14.8	21 59.2	22 07.0
	17	00	1		-22 07.1	21 47.5			15	21	1	22 24.0	21 48.6	22 06.3
	21	00	1		-22 07.1	21 47.5			19	03	1	21 56.1	22 14.5	22 05.3
	24	00	1		-22 07.1	21 47.5			22	21	1	21 48.4	22 14.0	22 01.2
	28	00	1		-22 07.1	21 47.5			26	03	1	21 51.2	22 04.3	21 57.7
							on the 8th April; a complete set, "Poles direct," and "Poles reversed," being made on every Tuesday morning and Friday afternoon.							
							The observations were again made, "Poles direct" Tuesday mornings and afternoons, and "Poles reversed" Friday mornings and afternoons.							

<sup>a</sup> The instrument appears to have been re-adjusted during this month. No observations were made until the 17th.

<sup>b</sup> No observations were made between the end of January and this time. A new 9-inch Inclinometer was now taken into use, and the regular observations re-commenced

on the 8th April; a complete set, "Poles direct," and "Poles reversed," being made on every Tuesday morning and Friday afternoon.

<sup>c</sup> The observations were again made, "Poles direct" Tuesday mornings and afternoons, and "Poles reversed" Friday mornings and afternoons.

Observations of Inclination, made on Tuesdays and Fridays three hours before and three hours after Noon.

St. Helena Time.		Needle.	Poles		Inclination.	Monthly Means.	St. Helena Time.		Needle.	Poles		Inclination.	Monthly Means.
D.	H.		Direct $\alpha$	Reversed. $\beta$			D.	H.		Direct. $\alpha$	Reversed. $\beta$		
1844						1845							
September						March							
3	00	1 (9 In.)	-22 01.2		-22 02.0	4	00	1 (9 In.)	-21 36.1		-21 44.4	-21 52.2	
6	00	1		-22 00.0	22 00.6	7	00	1		-21 58.2	21 47.1		
10	00	1	22 07.3		22 03.6	11	00	1	21 53.2		21 55.7		
13	00	1		21 48.7	21 58.0	14	00	1		21 57.1	21 55.1		
17	00	1	22 07.2		21 55.1	18	00	1	21 45.9		21 51.5		
20	00	1		21 43.0	21 50.8	22	00	1		-22 04.2	21 55.0		
24	00	1	-21 58.6		21 55.1	25	00	1	-21 49.2		-21 56.7		
27	00	1		-21 51.7	-21 54.4								
October						April							
1	00	1 (9 In.)	-21 57.2		-21 57.8	1	00	1 (9 In.)	-21 51.5		-21 57.7	-21 56.0	
4	00	1		-21 58.4	21 54.3	4	00	1		-22 03.8	21 57.8		
8	00	1	21 50.3		21 54.5	8	00	1	21 51.8		21 53.9		
11	00	1		21 58.8	21 57.6	11	00	1		21 56.0	21 54.3		
15	00	1	21 56.4		21 57.8	15	00	1	21 52.7		21 53.8		
18	00	1		21 59.3	21 55.8	18	00	1		21 54.9	21 54.5		
22	00	1	21 52.3		21 50.8	22	00	1	21 54.2		21 59.1		
25	00	1		-21 49.4	21 52.9	25	00	1		-22 04.1	-21 56.8		
29	00	1	-21 56.4		-21 56.4	29	00	1	-21 49.5				
November						May							
1	00	1 (9 In.)		-21 56.4	-21 54.8	2	00	1 (9 In.)		-22 00.9	-21 55.2	-21 55.6	
5	00	1	-21 53.3		21 53.9	6	00	1	-21 46.0		21 53.4		
8	00	1		21 54.5	21 53.0	9	00	1		21 57.6	21 51.8		
12	00	1	21 51.6		21 53.2	13	00	1	21 49.4		21 53.5		
15	00	1		21 54.9	21 52.3	16	00	1		22 04.7	21 57.0		
19	00	1	21 49.7		21 55.2	20	00	1	21 53.9		21 59.3		
22	00	1		22 00.8	21 55.5	23	00	1		22 01.9	21 57.9		
26	00	1	-21 50.3		-21 55.0	27	00	1	-21 49.1		21 55.5		
29	00	1		-21 59.6		30	00	1		-22 04.1	-21 56.6		
December						June							
3	00	1 (9 In.)	-21 51.9		-21 55.7	3	00	1 (9 In.)	-21 53.4		-21 58.7	-21 56.5	
6	00	1		-21 52.9	21 52.4	6	00	1		-22 02.4	21 57.9		
10	00	1	21 43.6		21 48.2	10	00	1	21 48.9		21 55.6		
13	00	1		21 49.2	21 46.4	13	00	1		22 03.2	21 56.0		
17	00	1	21 48.6		21 48.9	17	00	1	21 55.9		21 59.5		
20	00	1		22 06.3	21 55.0	20	00	1		21 53.2	21 54.5		
24	00	1	21 42.1		21 51.7	24	00	1	-21 52.9		21 53.0		
27	00	1		-21 54.5	21 48.3	27	00	1		-22 01.5	21 57.2		
31	00	1	-21 45.8		-21 50.1						-21 56.2		
1845						July							
3	00	1 (9 In.)		-21 52.0	-21 48.9	1	00	1 (9 In.)	-21 50.9		-21 58.1	-21 58.3	
7	00	1	-21 50.4		21 51.2	4	00	1		-22 05.3	21 59.0		
10	00	1		21 52.1	21 51.2	8	00	1	21 52.7		21 56.6		
14	00	1	21 40.7		21 46.4	11	00	1		22 00.5	21 59.9		
17	00	1		21 51.5	21 46.1	15	00	1	21 59.4		21 58.1		
21	00	1	21 47.1		21 49.3	18	00	1		21 56.8	21 56.1		
24	00	1		21 46.3	21 46.7	22	00	1	21 55.4		21 57.3		
28	00	1	-21 46.7		21 46.5	25	00	1		-21 59.3	21 59.2		
31	00	1		-21 58.8	-21 52.7	29	00	1	-21 59.2		-22 00.4		
February						August							
4	00	1 (9 In.)	-21 47.4		-21 53.1	1	00	1 (9 In.)		-22 01.7	-21 57.4	-21 59.9	
7	00	1		-21 48.9	21 48.1	5	00	1	-21 53.2		21 58.4		
11	00	1	21 46.9		21 47.9	8	00	1		22 03.7	22 02.1		
14	00	1		21 46.3	21 46.6	12	00	1	22 00.6		22 02.4		
18	00	1	21 38.6		21 42.4	15	00	1		22 04.2	22 00.4		
21	00	1		21 50.7	21 44.6	19	00	1	21 56.7		22 00.2		
25	00	1	-21 49.0		21 49.8	22	00	1		22 03.7	21 59.8		
28	00	1		-21 52.8	-21 50.9	26	00	1	-21 55.9		21 58.6		
						29	00	1		-22 01.4	-21 59.9		

*Observations of Inclination, made on Tuesdays and Fridays three hours before and three hours after Noon.*

St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	St. Helena Time.	Needle.	Poles Direct. $\alpha$	Poles Reversed. $\beta$	Inclination.	Monthly Means.	
1845		° /	° /	° /	° /	1845		° /	° /	° /	° /	
	D. H.						D. H.					
September	2 00	1 (9 In.)	-21 58.5	-21 54.2	-21 56.3	November	4 00	1 (9 In.)	-21 52.2	-21 58.8	-21 55.8	
	5 00	1	21 57.4	22 01.7	21 55.8		7 00	1	21 50.7	-21 53.4		21 52.8
	9 00	1			21 59.5		11 00	1		21 56.3		21 52.0
	12 00	1	21 53.4	22 04.0	21 57.5		14 00	1	21 54.9	21 59.1		21 53.5
	16 00	1			21 58.7		18 00	1		21 57.0		21 55.6
	19 00	1	21 55.3	-22 02.7	21 59.6		21 00	1	-21 56.3	-21 57.8		21 57.0
	23 00	1			21 59.0		25 00	1				21 57.7
	26 00	1	-21 56.2		-21 59.4		28 00	1				21 57.0
30 00	1								-21 57.4			
October	3 00	1 (9 In.)	-21 59.2	-21 57.7	-21 57.7	December	2 00	1 (9 In.)	-21 57.1	-22 00.9	-21 59.0	-21 57.9
	7 00	1	-21 54.0	22 06.4	21 56.6		5 00	1	21 55.7	21 56.2	21 58.3	
	10 00	1			22 00.2		9 00	1		21 56.9	21 56.0	
	14 00	1	22 01.8	21 54.8	22 04.1		12 00	1	21 58.4	21 56.9	21 57.3	
	17 00	1			21 58.3		16 00	1		21 57.9	21 57.6	
	21 00	1	21 56.3	22 06.2	21 55.5		19 00	1	-22 00.0	-22 00.0	21 57.4	
	24 00	1			22 01.2		23 00	1			21 58.9	
	28 00	1	-21 59.3	-22 02.4	22 02.7		26 00	1			21 58.8	
31 00	1			-22 05.5	30 00	1	-21 57.5		-21 58.8			

*Barometric Comparison at the Observatory and at the level of the Sea.*

The Barometers used in this comparison were the Standard at the Observatory, and the Portable at the sea side: the instruments were of the construction described in pages 53-55 of the Royal Society's Instructions. The Portable Barometer has a fixed scale; the neutral point marked on the instrument is 29·846 in.; and the relation of the capacities of the tube and cistern  $\frac{1}{16}$ . The first column shows the actual readings of the Portable Barometer; the second column the temperature of the mercury, shown by a Thermometer dipping into the cistern; the third column contains the readings in the first column reduced to 32°, and corrected for the variation in the height of the mercury in the cistern; the fourth column shows the simultaneous height of the Standard Barometer in the Observatory reduced to the temperature of 32°. No corrections have been applied either for the capillary action of the tubes, or for index errors of the Barometers either on each other or on the Royal Society's Standard.

St. Helena Time.	APRIL 16.				APRIL 17.				APRIL 18.			
	Portable at the Sea.			Standard in Observatory.	Portable at the Sea.			Standard in Observatory.	Portable at the Sea.			Standard in Observatory.
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
h.	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30·168	80·8	30·036	28·232	30·173	81·8	30·037	28·245	30·145	81·4	30·010	28·228
1	30·120	80·3	29·987	28·211	30·152	82·0	30·016	28·223	30·121	81·4	29·986	28·209
2	30·086	79·2	29·956	28·180	30·119	81·5	29·984	28·201	30·110	81·6	29·974	28·201
3	30·065	79·1	29·935	28·163	30·108	81·6	29·972	28·185	30·092	81·0	29·956	28·181
4	30·058	78·2	29·929	28·160	30·086	80·6	29·952	28·182	30·088	81·2	29·952	28·178
5	30·060	77·5	29·934	28·170	30·084	80·0	29·951	28·172	30·094	80·0	29·961	28·182
6	30·076	77·0	29·951	28·167	30·076	78·9	29·947	28·177	30·094	78·7	29·964	28·180
7	30·086	76·0	29·964	28·181	30·100	78·0	29·972	28·180	30·106	78·0	29·978	28·189
8	30·096	75·5	29·976	28·202	30·108	77·5	29·982	28·203	30·106	77·2	29·981	28·206
9	30·122	75·0	30·003	28·209	30·116	76·9	29·992	28·213	30·130	76·9	30·006	28·222
10	30·118	74·5	30·002	28·211	30·132	76·9	30·009	28·224	30·132	76·8	30·008	28·227
11	30·128	74·4	30·012	28·219	30·130	76·8	30·007	28·219	30·132	76·2	30·011	28·226
12	30·120	74·5	30·004	28·216	30·124	76·5	30·003	28·213	30·130	76·1	30·009	28·221
13	30·113	74·7	29·996	28·208	30·088	76·1	29·966	28·195	30·129	75·9	30·008	28·220
14	30·108	74·5	29·991	28·198	30·072	76·1	29·950	28·173	30·108	75·8	29·986	28·195
15	30·100	74·8	29·982	28·188	30·070	75·1	29·950	28·169	30·096	75·0	29·976	28·178
16	30·100	74·6	29·982	28·184	30·068	74·6	29·950	28·168	30·082	73·9	29·965	28·165
17	30·098	74·2	29·981	28·188	30·088	74·2	29·971	28·177	30·072	73·8	29·955	28·166
18	30·106	74·1	29·989	28·218	30·110	74·9	29·990	28·201	30·064	74·0	29·947	28·176
19	30·130	74·0	30·014	28·236	30·120	75·3	30·001	28·223	30·098	74·5	29·981	28·202
20	30·162	76·8	30·038	28·256	30·139	77·2	30·015	28·234	30·116	77·0	29·992	28·213
21	30·194	79·6	30·064	28·270	30·160	78·8	30·031	28·246	30·128	78·8	29·999	28·222
22	30·196	81·5	30·061	28·275	30·160	80·7	30·027	28·243	30·154	80·8	30·019	28·229
23	30·184	81·2	30·050	28·255	30·188	81·8	30·052	28·265	30·162	81·9	30·026	28·238

(Continued.)

St. Helena Time.	APRIL 19.				APRIL 20.				APRIL 21.			
	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
h.	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30·136	81·5	30·000	28·214	30·144	82·7	30·004	28·226	30·160	82·8	30·022	— <sup>a</sup>
1	30·124	81·0	29·989	28·203	30·122	82·3	30·005	28·205	30·140	82·8	30·001	—
2	30·106	80·5	29·972	28·183	30·104	81·5	29·968	28·185	30·120	82·0	29·983	—
3	30·086	80·0	29·953	28·175	30·094	81·1	29·958	28·174	30·102	81·8	29·964	—
4	30·076	79·5	29·945	28·169	30·082	81·1	29·946	28·176	30·102	80·2	29·969	—
5	30·078	79·3	29·948	28·175	30·100	79·9	29·967	28·183	30·108	79·3	29·978	—
6	30·082	78·3	29·964	28·176	30·108	79·0	29·978	28·193	30·116	79·0	29·987	—
7	30·092	77·7	29·965	28·186	30·118	77·9	29·991	28·203	30·126	77·4	30·002	—
8	30·124	77·2	30·000	28·211	30·114	77·0	29·990	28·213	30·148	77·0	30·024	—
9	30·140	77·0	30·016	28·214	30·140	76·8	30·016	28·221	30·158	76·9	30·034	—
10	30·140	77·0	30·016	28·222	30·144	76·8	30·016	28·226	30·166	76·9	30·043	—
11	30·128	76·5	30·007	28·216	30·138	76·4	30·017	— <sup>a</sup>	30·164	76·8	30·041	28·244
12	30·124	75·8	30·003	28·213	30·132	76·0	30·017	—	30·164	76·0	30·044	28·242
13	30·098	75·1	29·978	28·196	30·124	76·0	30·003	—	30·148	76·0	30·027	28·233
14	30·092	74·6	29·972	28·185	30·120	76·0	29·999	—	30·144	75·9	30·023	28·222
15	30·076	74·6	29·956	28·175	30·104	76·0	29·982	—	30·140	75·4	30·021	28·215
16	30·082	74·8	29·962	28·186	30·096	75·8	29·974	—	30·122	75·4	30·003	28·215
17	30·078	74·8	29·958	28·178	30·092	75·8	29·970	—	30·130	75·4	30·011	28·224
18	30·104	75·0	29·984	28·190	30·093	75·9	29·971	—	30·154	75·5	30·034	28·242
19	30·118	75·0	29·999	28·211	30·116	76·0	29·995	—	30·167	75·5	30·048	28·258
20	30·148	77·8	30·024	28·231	30·136	78·0	30·009	—	30·195	78·0	30·069	28·275
21	30·160	81·0	30·026	28·238	30·160	80·8	30·026	—	30·210	80·1	30·080	28·284
22	30·168	82·0	30·032	28·248	30·172	82·6	30·035	—	30·222	82·2	30·087	28·291
23	30·160	81·3	30·026	28·226	30·156	82·3	30·019	—	30·172	82·5	30·036	—

St. Helena Time.	APRIL 22.				APRIL 23.				APRIL 24.			
	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
h.	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30·184	82·1	30·048	28·266	30·206	81·0	30·072	28·275	30·172	80·9	30·038	28·253
1	30·181	82·7	30·043	28·259	30·196	81·6	30·061	28·266	30·156	80·9	30·021	28·224
2	30·176	83·8	30·034	28·244	30·170	81·0	30·036	28·253	30·140	81·0	30·005	28·212
3	30·152	82·0	30·015	28·233	30·156	81·0	30·021	28·238	30·128	81·8	29·992	28·200
4	30·152	80·9	30·017	28·239	30·130	79·8	29·998	28·212	30·128	80·5	29·995	28·205
5	30·158	80·0	30·026	28·248	30·120	78·5	29·993	28·212	30·136	79·9	30·004	28·207
6	30·160	79·0	30·032	28·250	30·118	78·0	29·991	28·213	30·136	78·0	30·009	28·214
7	30·186	78·0	30·063	28·263	30·142	77·5	30·018	28·225	30·140	77·6	30·014	28·219
8	30·194	77·0	30·071	28·281	30·170	77·0	30·047	28·236	30·152	77·1	30·028	28·229
9	30·204	76·4	30·084	28·289	30·182	76·9	30·059	28·250	30·166	76·9	30·043	28·252
10	30·196	76·7	30·073	28·291	30·183	76·7	30·060	28·249	30·162	76·9	30·039	28·249
11	30·198	75·3	30·080	28·287	30·172	76·0	30·052	28·238	30·158	77·1	30·034	28·248
12	30·186	75·6	30·066	28·280	30·160	76·0	30·040	28·226	30·156	77·0	30·032	28·242
13	30·180	76·0	30·060	28·270	30·136	76·1	30·015	28·223	30·152	77·0	30·028	28·230
14	30·180	75·9	30·060	28·262	30·128	76·0	30·007	28·206	30·148	76·9	30·024	28·232
15	30·176	75·8	30·056	28·254	30·118	76·0	29·997	28·192	30·126	76·0	30·005	28·231
16	30·172	75·0	30·054	28·250	30·108	76·0	29·986	28·194	30·136	76·8	30·012	28·227
17	30·180	75·5	30·062	28·257	30·108	75·9	29·986	28·205	30·140	77·0	30·016	28·228
18	30·174	75·9	30·054	28·267	30·122	76·0	30·001	28·212	30·162	76·7	30·040	28·235
19	30·198	76·1	30·078	28·281	30·152	76·8	30·028	28·226	30·168	76·7	30·046	28·244
20	30·206	76·7	30·084	28·300	30·160	78·0	30·034	28·251	30·180	77·1	30·057	28·262
21	30·220	78·1	30·095	28·305	30·180	78·7	30·053	28·267	30·190	77·9	30·064	28·266
22	30·240	80·8	30·108	28·307	30·194	80·1	30·063	28·281	30·190	78·0	30·064	28·265
23	30·208	82·8	30·071	28·280	30·230	81·0	30·097	28·294	30·198	81·1	30·064	28·275

<sup>a</sup> Sunday.

St. Helena Time.	APRIL 25.				APRIL 26.				APRIL 27.			
	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
h.	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30.172	80.4	30.041	28.232	30.170	80.9	30.036	28.236	30.174	80.9	30.040	28.249
1	30.154	80.1	30.020	28.222	30.150	80.0	30.018	28.225	30.156	81.0	30.021	28.220
2	30.150	81.0	30.015	28.217	30.140	80.0	30.008	28.213	30.137	81.0	30.002	28.201
3	30.142	80.5	30.010	28.217	30.120	79.5	29.990	28.192	30.112	80.1	29.980	28.179
4	30.140	79.8	30.008	28.217	30.114	78.8	29.985	28.192	30.108	79.9	29.975	28.184
5	30.142	79.0	30.013	28.217	30.118	78.0	29.991	28.199	30.118	79.5	29.987	28.196
6	30.142	78.0	30.015	28.225	30.126	77.1	30.002	28.205	30.128	76.9	30.004	28.209
7	30.156	78.1	30.029	28.245	30.128	76.9	30.004	28.212	30.138	76.2	30.017	28.221
8	30.176	77.9	30.050	28.262	30.144	76.0	30.023	28.223	30.148	77.1	30.024	28.230
9	30.180	77.8	30.053	28.268	30.152	76.1	30.031	28.233	30.158	76.9	30.034	28.241
10	30.188	77.4	30.062	28.269	30.148	76.0	30.027	28.234	30.148	76.0	30.027	28.235
11	30.174	77.0	30.048	28.262	30.136	75.8	30.015	28.227	30.142	76.0	30.021	— <sup>a</sup>
12	30.158	76.8	30.031	28.253	30.120	75.8	29.999	28.214	30.136	76.1	30.015	—
13	30.144	77.0	30.017	28.237	30.104	76.0	29.982	28.204	30.136	75.4	30.017	—
14	30.140	77.0	30.013	28.222	30.092	75.8	29.970	28.194	30.116	75.8	29.995	—
15	30.120	76.7	29.994	28.214	30.104	75.6	29.983	28.195	30.104	75.8	29.983	—
16	30.118	76.5	29.993	28.204	30.106	75.9	29.984	28.196	30.096	76.0	29.974	—
17	30.118	76.0	29.994	28.204	30.116	75.5	29.995	28.202	30.096	76.0	29.974	—
18	30.144	76.2	30.020	28.218	30.126	75.0	30.007	28.208	30.106	76.0	29.984	—
19	30.156	76.0	30.032	28.230	30.156	74.0	30.040	28.240	30.128	76.0	30.007	—
20	30.172	80.0	30.041	28.244	30.178	75.0	30.060	28.260	30.162	78.0	30.036	—
21	30.194	79.9	30.063	28.266	30.186	77.0	30.063	28.266	30.176	78.7	30.048	—
22	30.202	81.8	30.067	28.266	30.198	78.8	30.066	28.274	30.196	80.0	30.065	—
23	30.184	79.2	30.056	28.253	30.192	81.5	30.057	28.255	30.196	80.0	30.065	28.262

St. Helena Time.	APRIL 28.				APRIL 29.				APRIL 30.			
	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
h.	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30.170	80.6	30.037	— <sup>a</sup>	30.184	81.0	30.050	28.242	30.228	82.0	30.093	28.290
1	30.162	80.3	30.031	—	30.170	81.0	30.036	28.228	30.208	82.7	30.070	28.277
2	30.150	80.9	30.016	—	30.144	81.0	30.009	28.209	30.196	82.8	30.057	28.256
3	30.126	80.7	29.992	—	30.146	80.6	30.013	28.210	30.182	82.4	30.046	28.252
4	30.124	79.9	29.992	—	30.161	80.0	30.030	28.218	30.190	80.4	30.059	28.248
5	30.124	79.1	29.995	—	30.174	80.0	30.043	28.233	30.194	78.0	30.068	28.254
6	30.130	77.8	30.003	—	30.176	78.9	30.048	28.241	30.194	77.5	30.070	28.263
7	30.146	78.1	30.019	—	30.184	78.1	30.058	28.259	30.208	78.0	30.082	28.278
8	30.156	77.6	30.030	—	30.216	77.9	30.091	28.279	30.232	77.8	30.107	28.299
9	30.176	77.4	30.053	—	30.220	78.0	30.095	28.299	30.240	77.1	30.118	28.308
10	30.174	77.0	30.051	—	30.222	77.9	30.097	28.300	30.242	77.0	30.120	28.307
11	30.172	77.0	30.049	28.257	30.214	78.0	30.089	28.300	30.244	76.7	30.123	28.305
12	30.168	76.8	30.045	28.249	30.214	77.8	30.089	28.294	30.224	76.7	30.103	28.300
13	30.156	77.0	30.032	28.234	30.200	76.8	30.077	28.284	30.212	76.9	30.090	28.284
14	30.136	76.8	30.012	28.224	30.182	76.7	30.059	28.252	30.196	76.9	30.073	28.270
15	30.128	76.2	30.007	28.216	30.168	76.7	30.045	28.244	30.184	76.8	30.061	28.264
16	30.128	76.1	30.007	28.213	30.164	76.4	30.044	28.237	30.182	76.7	30.060	28.260
17	30.124	76.5	30.003	28.200	30.170	76.3	30.050	28.235	30.180	76.5	30.059	28.260
18	30.150	76.0	30.029	28.218	30.186	76.4	30.066	28.246	30.210	76.0	30.091	28.276
19	30.164	76.0	30.044	28.223	30.210	76.9	30.088	28.270	30.236	76.0	30.117	28.296
20	30.188	76.4	30.068	28.264	30.228	78.0	30.103	28.294	30.252	76.5	30.132	28.318
21	30.198	77.9	30.072	28.271	30.246	81.0	30.113	28.314	30.264	78.4	30.140	28.324
22	30.216	78.9	30.089	28.281	30.260	82.8	30.122	28.316	30.274	79.8	30.145	28.330
23	30.184	81.0	30.050	—	30.206	80.9	30.072	28.267	30.244	82.0	30.109	28.311

<sup>a</sup> Sunday.

S t. Helena Time.	MAY 1.				MAY 2.				MAY 2.			
	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory	Portable at the Sea.			Standard in Observatory
	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.	Reading.	Temperature.	At 32°.	At 32°.
	In.	°	In.	In.	In.	°	In.	In.	In.	°	In.	In.
0	30·234	80·5	30·103	28·285	30·228	78·5	30·102	28·286	30·196	80·7	30·063	28·261
1	30·216	80·5	30·085	28·266	30·212	79·6	30·083	28·272	30·186	80·4	30·055	28·251
2	30·190	81·0	30·056	28·242	30·188	79·8	30·057	28·252	30·164	80·1	30·033	28·232
3	30·182	79·7	30·051	28·236	30·172	79·2	30·044	28·237	30·132	78·5	30·004	28·224
4	30·184	79·0	30·056	28·239	30·182	78·8	30·054	28·238	30·148	78·9	30·019	28·220
5	30·194	78·7	30·067	28·255	30·184	77·6	30·059	28·245	30·156	78·1	30·029	28·224
6	30·200	77·0	30·077	28·266	30·180	76·5	30·059	28·248	30·160	77·0	30·037	28·227
7	30·202	76·4	30·082	28·274	30·180	76·9	30·057	28·254	30·164	76·8	30·041	28·232
8	30·214	77·1	30·092	28·288	30·196	76·5	30·075	28·265	30·174	76·7	30·051	28·253
9	30·236	77·0	30·114	28·306	30·206	75·8	30·086	28·282	30·186	76·8	30·063	28·262
10	30·236	76·9	30·114	28·308	30·204	75·5	30·085	28·281	30·184	76·2	30·064	28·263
11	30·234	76·2	30·115	28·306	30·200	75·0	30·082	28·277	30·184	76·1	30·064	28·270
12	30·222	75·1	30·105	28·301	30·190	75·0	30·072	28·271	30·184	75·9	30·064	28·260
13	30·212	74·5	30·097	28·283	30·172	75·1	30·054	28·252	30·166	75·1	30·048	28·235
14	30·202	74·6	30·086	28·267	30·150	75·3	30·031	28·234	30·160	75·0	30·042	28·225
15	30·186	74·6	30·070	28·260	30·148	75·9	30·027	28·229	30·130	75·0	30·011	28·209
16	30·184	74·5	30·068	28·259	30·142	75·9	30·021	28·221	30·114	74·5	29·997	28·197
17	30·190	74·5	30·074	28·267	30·138	75·2	30·019	28·224	30·118	74·6	30·001	28·198
18	30·198	74·9	30·080	28·276	30·142	75·0	30·023	28·230	30·138	74·9	30·019	28·210
19	30·216	74·8	30·099	28·292	30·170	75·2	30·052	28·242	30·150	74·9	30·031	28·229
20	30·242	76·0	30·123	28·312	30·194	77·6	30·072	28·254	30·178	76·9	30·055	28·244
21	30·262	78·0	30·137	28·325	30·210	79·9	30·080	28·269	30·202	79·9	30·071	28·265
22	30·268	78·8	30·141	28·333	30·230	81·3	30·097	28·283	30·224	81·0	30·091	28·276
23	30·258	79·9	30·128	28·310	30·256	78·0	30·132	28·318	30·218	80·9	30·085	28·276





