RESULTS

OF THE

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT

THE ROYAL ALFRED OBSERVATORY, MAURITIUS,

IN THE YEAR

1906.

UNDER THE DIRECTION OF

T. F. CLAXTON, F.R.A.S.

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Page (li) Observed Amount of Cloud at midnight, *for* 0·2 *read* 0·4.

" " " 15, *for* 15·6 *read* 23·9.

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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1906.

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MAURITIUS MAGNETICAL AND METEOROLOGICAL OBSERVATIONS,

1906.

INTRODUCTION.

§ I.—*Position of the Observatory Buildings and Instruments.*

The Observatory, in Latitude 20° 5′ 39″ S. and Longitude 3^h. 50^m. $12^s \cdot 6$ E., is situated on a plain about three miles from the West Coast and stands in eleven acres of Crown Land. The reference mark at the entrance of the Main Building is 178·1 feet above mean sea level.

From west-south-west through west to north there is an uninterrupted view of the sea, and from north through east to south-east the ground generally rises to Mount Piton, the summit of which bears about four miles east-south-east and is 917 feet above mean sea level. Between south-east and south-west there is a chain of mountains the highest peak of which, the Pieterboth, bears nearly six miles due south, and has an altitude of 2,874 feet. The nearest extremities of two spurs which run north and north-west from the Pieterboth are at distances of three to four miles, and have an elevation of about 560 feet.

The Island is of volcanic origin, and the rocks are more or less magnetic. Around the Observatory the soil has a depth of 3 to 14 feet, below which is solid basalt.

The Main Building, the foundation stone of which was laid on May 30th, 1870, by his Royal Highness the Duke of Edinburgh, was completed in the year 1875. It is a stone structure of rectangular base, 56 feet long by 38 feet wide, and faces north-by-west. It is sheltered on all sides by a verandah, to which a balcony was added in the years 1878, 1881, and 1882. In December 1902 the balcony was mosquito-proofed with wire gauze.

On the ground floor are three rooms, the Director's official room and the South-West Computing Room on the western side of the entrance hall, and on the eastern side the Principal Computing Room. In the latter are placed two Standard barometers, Newman No. 128 and Negretti and Zambra No. 2,170.

There are two mean solar chronometers, Kullberg No. 3,400 and Webster No. 925, for magnetic and actinometric observations and for use with the photoheliograph, and one sidereal chronometer, Muirhead No. 450, for use with the 12-inch theodolite, and occasionally with the transit instrument. The Standard mean solar clock, Dent No. 1,686, was removed to the Magnet Basement on September 20, and converted into a sidereal clock. In its place have been fixed two electric dials, one driven by the Standard mean time clock and one by the Standard sidereal clock. Between them is placed a commutator in connection with the accelerating and retarding apparatus of the mean time clock, and below is the Morse chronograph, on the tape of which the beats of the sidereal clock are recorded.

For further particulars concerning the new electric time service reference may be made to the Appendix to the Annual Report for the year 1906.

At the south end of the entrance hall is the transit pillar, which rises to a height of 36 feet above the ground floor.

On the first floor are four rooms, two on either side of the staircase, the west rooms serving as a library and the east as sleeping apartments. On the second floor is an attic, with three doors opening into domes and a staircase leading to the roof, upon which is mounted the Campbell-Stokes sunshine recorder. The North-West Dome contains the registering parts of the Beckley Anemometer, the cups of which are 5 feet above the dome and 51 feet above the ground. In the North-East Dome is a 6-inch equatorial by Cooke, and in the South Dome the transit instrument. The sidereal clock by Parkinson and Frodsham was transferred from the South Dome to the Magnet Basement on September 20, and converted into a mean solar clock. An electric dial has been mounted in its place. On 1905, August 21, the old transit instrument by Troughton and Simms was dismounted and a more modern instrument, of the same (3-inch) aperture and by the same maker, put up in its place. The new instrument is of the portable type and is provided with reversing gear.

A Dines Pressure Tube Anemometer was mounted 5 feet above the South Dome in November 1902.

The Magnetic Observatory, which was completed in the year 1874, is situated 180 feet to the north of the main building. It consists of a rectangular stone chamber 40 feet long and 34 feet wide, with its floor 12 feet below the surface of the ground. The building is primarily divided into east and west rooms, the former being used for photographic operations. The west room, known as the Magnet Basement, contains the magnetographs, barograph, seismograph, and, since 1906 September 20, the Standard sidereal and mean time clocks. In its

construction great care was taken to exclude iron and other magnetic substances. Precautions are also taken to keep the daily range of temperature small; the walls are double, with an air space of 30 inches between them, interrupted on the eastern side by the north and south doors of a lobby, the east and west doors of which served as a means of communication between the Magnet Basement and the Photographic Room until November 1903, when, in order to check the temperature changes produced on entering and leaving the Magnet Basement, the east door of the lobby was permanently closed and a new door built in the outer wall, 10 feet to the north, communicating with the Magnet Basement through the north and west doors of the lobby. The air space between the walls was closed at its north end. There is a wooden ceiling in addition to the exterior roof; the latter is thickly thatched with straw, and slopes from an altitude of 12 feet to the north and south walls, which rise to a height of 2 feet above the ground. At a distance of 35 yards to the east of the Magnetic Observatory is a stone-capped ventilator communicating with the Magnet Basement by means of a 12-inch pipe, laid underground at a depth of 11 feet below the surface.

The Magnetic Pavilion, for absolute determinations of declination, horizontal force and dip, stands 180 feet to the west of the Magnetic Observatory. It was built in the year 1875, and similar precautions were observed respecting the introduction of iron as in the case of the Magnetic Observatory, the nails, locks, &c. being either of copper or brass. A verandah was added in the year 1880, and in November 1896 an opening was made in its south side to admit of observation of circumpolar stars, up to an altitude of 10°, for checking the azimuth of the Magnetic Mark, a stone pillar 150 yards to southward. But as only a few stars could be conveniently observed through the original opening, in May 1900 it was extended, and the doorway heightened to admit of observations of stars up to an altitude of 25°. The pillars on which the instruments are placed are built of non-magnetic bricks and rise from substantial foundations below the floor; they are at equal distances apart, and lie in a direction nearly at right angles to the Astronomical Meridian. The Unifilar instrument is placed on the central pillar, and the Dip Circle on the western; the eastern pillar is not at present in use.

On account of the anomalous vibration of the magnets used for absolute determinations of declination, horizontal force and dip, caused by the rafters of the floor resting on the foundations of the instrument pillars, in November 1901 the arrangement of the rafters was suitably modified, and the pillars strengthened by a covering of concrete (in default of a more suitable material), 8 inches thick at the base and 2 inches thick at the top.

The Declinometer Hut, for additional observations of declination, was erected in October 1904, at a distance of 90 feet to the south (magnetic) of the Magnetic Pavilion. It is a wooden building, 12 feet long by 7 feet wide and 12 feet high, with shutters on the south side which admit of observations of circumpolar stars, up to an altitude of about 30°, for determining the circle reading of the astronomical meridian on the 12-inch theodolite with which, in conjunction with collimator magnet No. 24 B, the observations of declination are made.

In the year 1878 a stone building was erected 240 feet to the north-east of the main building for the reception of the photoheliograph and thermograph. The Photoheliograph Room is 16 feet in diameter, and is surmounted by a wooden dome running on iron wheels and rotated by means of three handwheels. Adjoining it on the southern side are two small rooms, one of which is used for photographic operations. The second, or east room, contains the registering parts of the Kew thermograph, and is known as the Thermograph Room. The stems of the photographic thermometers project outwards into the Thermograph Screen, and are held in position by a metal frame to which are also attached the standard dry bulb and wet bulb thermometers. The screen is 6 feet square by 6 to 7 feet high, the roof sloping towards the South away from the building; the sides are of double louvre boarding, and the planks of the floor are double, with an air space between each to ensure sufficient ventilation, and to afford protection against radiation from the ground. The bulbs of the thermometers are 2 feet above the floor and 6 feet above the ground.

The Seismograph having been removed to the Magnet Basement, the hut in which it was formerly installed was demolished in the month of June. The Actinometer Hut was also dismounted, as it did not permit observation of the sun at low altitudes.

The wood from these huts was utilised in the construction of a new Transit Hut, the pillars of which had been built earlier in the year. The centre of the transit instrument which has been mounted in this hut is $0^s \cdot 05$ East, and $0'' \cdot 12$ South of its former position. It is to be used as an auxiliary instrument when necessary.

About 120 feet to the east of the Main Building is a circular enclosure 33 feet in diameter. In it are placed (1) a wooden stand 4 feet high, carrying two solar radiation thermometers; (2) a 6-inch brass stand carrying a terrestrial radiation thermometer with an adjacent mercurial thermometer; (3) an evaporometer, consisting of a shallow cylindrical brass vessel 8 inches in diameter, surrounded

by a wire cage; (4) a Symons earth thermometer for registering the temperature of the soil at a depth of 62 inches below the surface; (5) a similar thermometer for registering the temperature of the soil at a depth of 120 inches below the surface.

The Beckley self-registering rain gauge is placed 30 feet to the south-south-west of the above enclosure, and the Glaisher rain gauge 96 feet to the north of the north-west corner of the Main Building.

§ II.—*Routine Work of the Observatory and Staff.*

Continuous photographic records showing the variations of magnetic declination, horizontal force and vertical force, barometric pressure, temperature of the air, and of evaporation; also automatic records of the direction and velocity of the wind, and of the amount of rain are obtained with instruments of the Kew pattern; and since November 1902 automatic records of the pressure of the wind have been obtained with a Dines Pressure Tube Anemometer. The duration of bright sunshine is registered by a Campbell-Stokes universal instrument. Photographic records of earth movements are obtained with a Milne Seismograph.

During the year 44 complete determinations of magnetic horizontal force were made with the Kew Unifilar Instrument on 28 days, and the time of vibration of the deflecting magnet observed on 54 other days, an interpolated value of m being used in deducing the value of X. Absolute determinations of declination are made twice daily with the New Declinometer. The dip is observed eight times in each month, four 3-inch needles being used in rotation. Eye observations of the principal meteorological elements are made daily at 0^h, 6^h, 12^h, and 18^h Mauritius Civil Time; the day commencing at midnight and counting from 0^h to 23^h. Since October 1903 hourly observations of the amount of cloud have been made. Daily readings are taken of solar and terrestrial radiation thermometers and of two earth thermometers whose bulbs are at depths of 62 inches and 120 inches, respectively, below the surface of the ground. Actinometric observations are taken at about noon, and at about 9^h and 15^h, when the sky in the neighbourhood of the sun is free from cloud at these times.

The magnetical, meteorological, and seismographical records are measured at each hour of Mauritius Civil Time.

The direction of motion of the various types of cloud are observed, as often as possible, with a Marvin Nephoscope.

Photographs of the sun are taken daily, weather permitting, and the negatives forwarded to the Secretary of the Solar Physics Committee, London.

Observations for Time are made daily with few exceptions. The Time-Ball on the Signal Mountain at Port Louis is dropped by hand daily except on Saturdays, Sundays and Public Holidays. The exact time at which the ball crosses the yard arm is noted at the Observatory and telegraphed to the Harbour Master.

Meteorological bulletins are prepared daily for publication in the local press, and abstracts of the principal results for each month are forwarded to various Observatories in different parts of the world. From May to September code telegrams giving a résumé of the weather during the week are despatched every Saturday to the Director-General of Indian Observatories, in connection with the monsoon predictions. For the same period monthly departures from average of the principal meteorological elements are cabled to the Director-General of the Egyptian Survey Department.

The meteorological observations made at Seychelles, Rodrigues, the Botanical Gardens (Pamplemousses), the Nursery Gardens (Curepipe), Kingston (Plaines Wilhems), Bon Air (Moka), the Military Camp (Vacoa), and the Manse (Beau Bassin), are all systematically reduced at the Observatory. Rainfall observations are received from about 60 stations in different parts of the Island, and the results tabulated.

Storm warnings are issued, when necessary, in accordance with Government regulations, and the tracks of cyclones laid down from information supplied by the Meteorological Society of Mauritius.

During the year 1905 the Staff consisted of Mr. A. Walter, F.R.A.S., Chief Assistant, Mr. A. N. Figon, Second Assistant, with usually five extra assistants.

§ III.—*Magnetic Instruments.*

With the exception of the new Declinometer, all the Magnetic instruments in use at the Observatory are of the Kew pattern, described by the late Professor Balfour Stewart in the 9th edition of the *Encyclopædia Britannica;* it is only necessary, therefore, to mention here what specially applies to the Mauritius instruments.

UNIFILAR INSTRUMENT.—The unifilar instrument for observations of magnetic horizontal force is Elliot No. 24. It is mounted on the central pier in the Magnetic Pavilion, and is adapted for magnetic survey work, being furnished with a tripod stand and a mirror for observation of the sun's azimuth.

The instrumental constants, as determined at the Kew Observatory, are as follows:—

Correction for Graduation of Deflection Bar.

Correction at 30 cms. = + 0·0027 cms. at 17° Centigrade.

" " 45 " = + 0·0052 " " "

In the Deflection apparatus - - - 1 scale division = 1′·01.

In the Vibration magnet (24 C) - - " " = 1′·85.

For Deflecting Magnet (24 A).

The correction for decrease of magnetic moment of the magnet to reduce to 0° Centigrade is $0{\cdot}000306\ (t - 0°) + 0{\cdot}00000148\ (t - 0°)^2$, t representing the temperature of the magnet (in degrees Centigrade) at the time of observation.

The increase in the magnetic moment of the magnet produced by the inducing action of a magnetic force equal to unity of the C.G.S. system of absolute measurement $= \mu = 5{\cdot}202$.

The moment of inertia of magnet $= K$. At temperature 0° Centigrade log. $K = 2{\cdot}43255$, and at temperature 40° Centigrade log. $K = 2{\cdot}43298$.

The inertia cylinder weighs 62·35 grammes; its length is 9·513 centimetres, and its diameter is 0·993 centimetre.

The value of P in the expression $P = (A_1 - A_2) \Big/ \left(\frac{A_1}{r_1^2} - \frac{A_2}{r_2^2}\right)$ is obtained from a table giving the values of P, log. $\left(1 - \frac{P}{r_1^2}\right)$, and log. $\left(1 - \frac{P}{r_2^2}\right)$ for different values of (log. A_1 − log. A_2), when log. $A_1 = 3{\cdot}53$. The small deviations from this quantity in the observed values of log. A_1 give rise to no appreciable error.

Mean values of P are deduced by the formula $b_1 = (a + 2b + c)/4$: where a, b, c, are the means of the observed values of P, on three successive days of observation.

In the absolute determinations of Horizontal Force prior to 1900 August 1, the vibration observations were taken before the deflections. Observing in this order, however, does not permit the plummet of the deflection apparatus to swing for more than a few minutes before the observations are made, and as it was thought that some of the observed irregularities arose from this cause, arrangements were made by which the vibration apparatus could be set up apart from the instrument; twisting of the thread during transit being prevented by lowering the plummet into a conical cavity drilled into the bottom of the box. It is now the practice to arrange the instrument for deflections and allow both plummets to swing for 24 hours before commencing the observations. Immediately after the completion of the deflection observations the vibration apparatus is remounted on the instrument and the time of vibration of the deflecting magnet determined.

NEW DECLINOMETER.—With a view to obtain more accurate and rapid determinations of declination, collimator magnet No. 24 B was mounted on a solid teak stand in the Declinometer Hut in October 1904, and the 12-inch theodolite by Troughton and Simms set up on a massive concrete pillar 4 feet to the south, in a position suitable for observing the magnet scale.

The horizontal circle of the theodolite is graduated to 5′ and read by two micrometers, the heads of which are graduated to 1″. The vertical circle, which is 12 inches in diameter, is graduated to 5′ and read by two verniers to 5″. The length of the telescope is 18 inches, and the aperture of its object glass 2 inches. It is carried by a horizontal axis $10\frac{1}{2}$ inches long, the pivots of which are supported in Y's by two vertical pillars which branch from the central pillar of the theodolite and carry also the micrometers. On the wire plate are fixed three spider threads, two vertical and one horizontal, the field of view being illuminated when necessary through the pivot of the horizontal axis on the side carrying the clamp.

From observations made on 1904 October 7 and 11, it appeared that a correction of $-0''\cdot37$ for inequality of pivots should be applied to the level readings with clamp west. On 1903 July 28 the value of 1 division of the striding level was found to be $1''\cdot67$.

On 1904 October 12 a brass ring was inserted between the lens cell of the collimator magnet and the shoulder of the screw, in order to place the scale at

the principal focus of the lens. The angular value of the scale was then found to be 1′·725 (in place of 1′·81 as determined at the Kew Observatory).

Experiments on 1904 October 13 showed that no correction was necessary on account of the glass in the small window through which the magnet scale is observed.

The reading of the magnet scale is observed twice daily, at the approximate times of maximum and minimum declination; that is to say, at times varying from $8\frac{1}{2}^{h}$ and $14\frac{1}{2}^{h}$ in February to $10\frac{1}{2}^{h}$ and $15\frac{1}{2}^{h}$ in August. In practice the observed scale reading (converted into arc), added to the reading of the azimuthal circle, is subtracted from a constant $(a + b + c)$ in which a is the circle reading corresponding to the Astronomical Meridian, b the reading of the magnet scale (converted into arc) corresponding to its line of collimation, and c the correction for torsion, + with north end east.

The value of a is determined from observation of the Astronomical Mark, distant 34,256 feet to southward, the azimuth of which is 24′·0, East of South, according to observations made in the year 1905. The results of the observations are given in the Introduction for that year.

The value of b is determined usually once a week, as is also the value of c, a brass plummet of the same weight being substituted for the collimator magnet No. 24 B and the amount of torsion of the suspension thread observed. The effect of such torsion on the position of the magnet is determined by observing the reading of the magnet scale with the torsion circle set successively at the readings (x°), $(x^\circ + 180^\circ)$, (x°), $(x^\circ - 180^\circ)$, (x°).

The correction necessary for each degree of torsion of the suspension thread was found to be 0′·045 on June 8, and 0′·043 on September 17. The thread broke on October 30, and was replaced on the same day. The correction necessary for each degree of torsion of the new thread was found to be 0′·031 on 1907 January 7.

The observed values of *a*, *b*, *c* during the year 1906 were as follows:—

Date.		*a*.	*b*.	*c*.
		° ′	′	′
1906 January	4	297 . 28·96	..	0·00
	15	28·94	..	..
	16	28·86	49·14	0·00
	23	28·64	49·20	+0·18
February	5	28·54	49·30	+0·09
	12	28·54	49·40	0·00
	19	28·59	48·82	−0·18
	27	28·72	..	−0·18
March	5	28·65	49·01	−0·18
	12	28·61	49·04	−0·27
	19	28·36	48·96	−0·36
	26	28·25	48·97	−0·30
April	4	28·18	49·00	−0·18
	9	28·18	48·99	−0·18
	18	28·44	48·85	−0·07
	23	28·49	49·04	0·00
May	1	28·37	48·82	−0·18
	7	28·37	48·92	−0·07
	11	28·66	48·55	0·00
	21	28·88	48·66	−0·22
	28	28·81	48·52	−0·22
June	8	28·88	48·71	−0·22
	19	28·92	48·73	−0·45
	25	28·89	48·80	−0·33
July	4	28·61	48·64	−0·22
	23	28·45	48·94	−0·32
August	8	28·40	48·55	−0·22
	14	28·30	48·55	−0·22
	21	28·30	48·34	0·00
September	3	28·30	48·59	−0·10
	11	28·21	48·38	−0·21
	17	28·25	48·47	0·00
	26	28·17	..	..
October	3	27·90	48·80	−0·43
	15	27·55	48·78	−0·43
	29	27·52	48·84	−0·43
November	6	27·96	48·92	−1·36
	13	27·79	48·80	+0·27
	21	27·97	48·70	+1·24
	26	28·14	49·23	+1·39
December	4	28·35	49·10	+1·63
	10	28·62	48·99	+1·82
	18	28·57	49·05	+0·62
	24	28·68	49·16	+0·45
	31	28·65	48·90	+2·72

* New Thread on October 30. Torsion removed on November 6 and December 31.

DIP INSTRUMENT.—Observations of magnetic dip are made with a Kew Dip Circle (Dover No. 89), mounted on a brick pier to the west of the unifilar instrument. The needles employed are $3\frac{1}{2}$ inches long, and are numbered 1, 2, 3, and 4,

respectively. The needle to be used is magnetised by double touch, and after wiping it with chamois leather and cleaning the pivots with cork it is placed in position in the instrument, and by means of a lever gently lowered on to the agate bearings, which are previously dusted. The circle readings of the needle points are then read and the observations repeated in the positions indicated on pages (vi) and (vii). Each value is the mean of at least 3 independent observations made after gently raising and lowering the needle on to the agate bearings until the change produced by the operation is small. The instrument was cleaned on March 20.

MAGNETOGRAPHS.—The instruments for recording the variations of magnetic declination, horizontal force and vertical force are mounted, in the Magnet Basement, in a manner similar to that adopted at the Kew Observatory, the vertical force magnetometer being to the north, the declinometer to the east and the horizontal force magnetometer to the west. Petroleum oil lamps are used for photographic registration.

Thermometers are placed within the glass shades of the horizontal force and vertical force magnetometers, and are read daily before and after trimming the lamps (usually at about 10^h), and also at 16^h. These observations serve to standardise the records of a Richard thermograph placed near the magnetograph clock.

Several attempts were made in the years 1886, 1887, and 1901 to exhaust the air from the glass shades of the magnetometers, but without success; since the year 1889, however, the instruments have been protected from damp to a certain extent by the use of chloride of calcium, which has to be renewed at least three times a year. This practice was discontinued in the case of the Vertical Force in the year 1899 on account of the abnormal behaviour of the magnet for several days subsequent to each renewal of the absorbent.

The horizontal force magnet is adjusted at right angles to the magnetic meridian as follows: the reading of the torsion circle corresponding to the magnetic meridian is determined by inserting in place of the magnet a brass bar, of the same weight and shape, and turning the torsion head until the same scale reading is obtained with a bar up or magnet up; then, with bar up, the torsion head is turned through 90°, and the scale read. This will be the correct reading for the magnet when at right angles to the meridian; it only remains to insert the magnet and turn the torsion head until the correct scale reading is obtained. In order to obtain scale readings of the magnet—or bar—when in the plane of the meridian, it is necessary to turn the mirror through an angle of 90° from its normal position.

The indications of the vertical force magnet are not comparable in accuracy with those of the horizontal force or declination magnets. Not only does the

sensibility vary with the temperature and scale reading, but occasionally, after adjustment or the determination of scale value, a gradual increase or decrease of ordinate occurs, indicating a gradual change of force which is not real. In some cases this only continues for a few days, after which apparently accurate records are obtained, but, as a rule, it becomes necessary to readjust the magnet. Adjustments were made on July 5, November 16, 22 and 30.

In the year 1885 the following measurements were made to determine the angular movement of the declination, horizontal force and vertical force magnets necessary to produce a change of 1 millimetre of ordinate, and of 1 division of the reading scale, the curvature of which makes each division equidistant from the mirror.

The length of 500 divisions on each scale is 10 inches, or 254 millimetres.

Magnetometer.	Distance from Back of Mirror	
	To Scale.	To Surface of Cylinder.
	m.m.	m.m.
Declination - - - -	1,100	1,539
Horizontal Force - -	1,163	1,547
Vertical Force - - -	1,646	1,524

From which the following results were obtained:—

Magnetometer.	Angular Value of 1 Division of Scale.	Angular Value of 1 m.m. of Ordinate.	Factor to reduce Scale Readings to 1 m.m. of Ordinate.
Declination - - -	47·6″	1′.7″·0	·710
Horizontal Force -	45·1	1.6·7	·676
Vertical Force - -	31·8	1.7·7	·470

The scale values of the horizontal force and vertical force magnetometers are determined by the method of deflections, described by the late Professor Balfour Stewart at a meeting of the British Association for the Advancement of Science, held at Aberdeen in the year 1859.

The results of the observations made in the year 1906 are as follows:—

Date 1906.	Value of 1 Millimetre of Ordinate (C.G.S. Unit).	
	Horizontal Force.	Vertical Force.
January 9	0·0000469	..
February 19	0·0000472	0·0000471
April 12	0·0000484	0·0000395
May 18	..	0·0000481
July 7	0·0000474	0·0000492
August 23	0·0000485	0·0000395
November 12	0·0000495	0·0000401
December 17	0·0000516	0·0000395

The vertical force magnet was adjusted on April 26.

For converting the scale values into absolute units mean annual values of horizontal force and vertical force are used, and also of the angular movements of the declination magnet produced by the deflector in the standard positions for horizontal force and vertical force deflections.

In order to facilitate the measures of the photographs, on 1904 August 22 the base line mirror of the declinometer was removed, the registering slit widened, and a glass scale inserted in place of the plano-convex cylindrical lens; a scaled image of the slit is thus photographed on the paper and the variations of declination readily measured, the scale having been constructed to show minutes of arc.

In order to preserve, as far as possible, a constant scale zero, the adjustable slit plate was screwed to the end of the photographic telescope, and the latter securely clamped to its slate base, so that the steadiness of the zero now depends upon the steadiness of the slit and telescope; whereas formerly it depended upon the steadiness of the base-line mirror.

Similar alterations to the horizontal force and vertical force magnetometers were made in December 1905, and the photographic arrangements modified to allow the declination, horizontal force and vertical force registers to run continuously for ten days, the two former on the same sheet. The paper is wound round the horizontal force cylinder and carried over a horizontal brass roller supported in a convenient position to intercept the beam of light from the horizontal force mirror; it then passes over a second roller similarly placed with respect to the declination cylinder to which the end of the paper is attached. It is thus unwound from the horizontal force cylinder and wound up on the declination cylinder by the driving clock.

In the same manner the paper from a vertical spool is wound up on the vertical force cylinder as the latter rotates, after passing over a vertical roller placed so as to intercept the beam of light from the vertical force mirror. The spool is made to turn with sufficient friction to prevent the paper from becoming slack.

The introduction of rollers in front of the cylinders has increased the angular value of 1 millimetre of ordinate by 1″·1 in each register. The values are now as follows:—

Declination.	Horizontal Force.	Vertical Force.
1′.8″·1	1′.7″·8	1′.8″·8

From a discussion of the variations in the value of the horizontal force base lines during the years 1898, 1899, and 1900, given in the Introduction to the Magnetical and Meteorological Observations for the year 1900, the following expression, in terms of the Centimètre-Gramme-Second Unit, was deduced for correcting the indications of the horizontal force magnetometer to a constant temperature of 70° Fahrenheit:—

$$0{\cdot}0001255\ (t^\circ - 70^\circ) - 0{\cdot}00000142\ (t^\circ - 70^\circ)^2.$$

This result differs considerably from that obtained in the year 1897 by artificially heating the magnet and noting the changes of scale reading produced thereby, but has been used in the horizontal force reductions since the year 1901, as it clearly represents the effect on the magnet of the annual variation of temperature in the Magnet Basement.

The temperature coefficient of the vertical force magnet now in use was determined in the month of July 1898 by artificially heating the magnet, and in the first experiment, on July 1, it was found that an increase of 5°·2 of temperature (Fahrenheit) caused a decrease of ·00073 (C.G.S. Unit); but by re-adjustment of the sliding collar attached to the temperature bar, after several trials the error of compensation was considerably reduced. In the final experiment, on July 11, an increase of 7°·6 of temperature (Fahrenheit) caused a decrease of ·000285 (C.G.S. Unit).

On account of frequent dislocations and re-adjustments, it has not been possible to determine the temperature coefficient of this magnet from the observed values of the photographic base-line.

§ IV.—*Magnetic Reductions.*

The indications of the declination and horizontal force magnetometers are standardised by the absolute determinations which furnish apparent corrections

to the photographic measures. These are plotted on a curve from which daily corrections are interpolated and applied to the mean daily values of the element as derived from the magnetograms.

A correction of $-1^{\circ}.30'$ has been applied to all observations of declination with the New Declinometer in the Declinometer Hut, in order to make the results comparable with those of former years, when the observations were taken in the Magnetic Pavilion.

An account of the comparisons made to determine the difference of declination on the two sites is given in the Introduction for 1905.

The results of the absolute determinations of horizontal force are given on pp. (ii) to (v). The practice of deducing X from the observed value of T, and an interpolated value of m appears to be justified by the steadiness of m, as revealed by the complete determinations. It should be mentioned that the vibration magnet is not touched between each set of vibration observations. It remains suspended except when used for deflecting the mirror magnet.

The separate observations of dip in the several positions of the needle and instrument, together with the mean monthly dip from each needle, are given on pp. (vi) and (vii).

The mean daily values in each month of horizontal force and declination, with the diurnal ranges of horizontal force, vertical force and declination, and the mean daily temperature within the glass shade of the horizontal force magnetometer are presented in vertical columns in one table, pp. (viii) to (xiii), as in the Meteorological section. The monthly mean diurnal inequalities have been similarly collected at pp. (xiv) to (xvi).

The mean monthly values of the magnetic elements are given on page (xvi).

In computing the monthly mean diurnal inequality of vertical force for the year 1905, all available days were used; but in horizontal force the following days were rejected on account of magnetic disturbance: February 1, 15; March 4, 25; May 9, 14; June 2; July 11, 12; August 7, 8, 12, 13; September 4, 23; December 8, 9, 17, 22. Of these, July 11, 12; August 7, 8; September 23; December 22, were days of great disturbance. In declination September 23 only was rejected. On the remaining days the disturbance in declination was small.

The ordinates of the photographic curves are measured at each hour of the day, commencing at midnight and counting from 0^{h} to 23^{h}. The declination scale

is graduated to show minutes of arc, each division being equal to 0·88 millimetre. The vertical force scale is graduated to millimetres, the mean hourly ordinates in each month being multiplied by the scale values given on page *xv* to convert them into absolute units. In the case of horizontal force, where the scale value is practically constant, one division on the scale is equal to 2·1 millimetres, the magnetometer having been so adjusted, in December 1905, that a change of 10 γ of horizontal force will produce a change of 2·1 millimetres of ordinate in place of 3·0 millimetres; for though the magnetometer works well at the latter sensibility, the former suffices for all purposes except the clear registration of minute tremors (for which a more extended time scale is also necessary), the former sensibility has been adopted as, with a fixed slit and two registers on the same sheet, it is desirable that the range of motion should be as small as is consistent with accurate interpretation of the records which, under present conditions, can be measured to 1 γ of horizontal force and vertical force, and 0′·1 of declination.

Correction for any variation of scale value in the horizontal force magnetometer is made, when necessary, by multiplying the diurnal inequalities and the daily ranges by the quantity $\frac{S'}{S}$; S being the value of 1 millimetre of ordinate used in the construction of the glass scale (4·74 γ), and S′ the observed value.

The mean daily values of the declination and horizontal force ordinates derived from the hourly measures of the photographic registers are computed by the formula—

$$x = \left(\frac{x_0 + x_{24}}{2} + x_1 + x_2 + x_3 \ldots\ldots + x_{23}\right) \div 24,$$

in which x_0, x_1, x_2, x_3, ... x_{24} represent the value of the element at the hours 0, 1, 2, 3 . . . . . 24, Mauritius Civil Time. This formula gives results differing from the mean of the twenty-four hourly values from 0^h to 23^h by the quantity $(x_{24} - x_0)/48$, which is occasionally appreciable.

For further particulars as to the extent of these non-periodic variations reference may be made to the Introduction for 1901 and 1902.

For the reasons given on page *xiii* daily values of vertical force are not published.

The Mauritius magnetograms show progressive changes of ordinate which are not of magnetic origin, and the mean hourly values of the magnetic elements in each month include the effect of these non-periodic variations, which in the case of vertical force, particularly after adjustment of the magnet or determinations of scale value, is relatively large. It is necessary, therefore, to apply corrections

as follows. Calling the mean monthly value of the ordinate at 0^h and 24^h, x_0 and x_{24} respectively, the correction γ to be applied at any hour h is:

$$\gamma = (h - 12)\,\frac{x_0 - x_{24}}{24}$$

Though originally introduced in the vertical force reductions, on account of the defective action of the magnet, the system has been extended to horizontal force and declination for the sake of uniformity, and the results on pages (xiv) and (xv) give the monthly mean solar diurnal variation of declination, horizontal force, and vertical force, freed from the effect of all other periodic and non-periodic variations.

A brief description of the principal magnetic disturbances recorded in the year 1905 is given at the foot of pages (viii) to (xiii). In horizontal force and vertical force the unit of measurement is ·0001 of the Millimètre-Milligramme-Second Unit, or ·00001 of the Centimètre-Gramme-Second Unit. When any of the three elements is not mentioned it is to be understood that the movement in that element, if any, was insignificant. The hourly variation of the disturbed element above or below the mean value for the month is given numerically on page (xvii).

The nomenclature adopted in the "Greenwich Magnetical and Meteorological Observations" has been used; the term "wave" indicating a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "two successive waves," consecutive wave movements in the same direction; "fluctuations," a number of movements in both directions. The extent and direction of the movement are indicated in brackets, + denoting an increase, and − a decrease of the magnetic element. In the case of "fluctuations" the sign ± denotes positive and negative movements of generally equal extent.

Curves which do not admit of brief description in this way are reproduced on Plate (I).

§ V.—*Meteorological Instruments.*

SELF-RECORDING INSTRUMENTS.—The barograph, thermograph, and anemograph are of the Kew pattern, and are fully described in the *Annual Report of the Meteorological Committee of the Royal Society for the year* 1867.

In the month of May 1904, the slate support for the barograph was cut, and the relative distances between the barometer, the lens, and the recording

cylinder re-adjusted, so as to decrease the value of 1 inch of barograph ordinate from 0·63 to 0·196 inch of mercury.

As with this increased magnification the image of the slit is too wide for satisfactory registration, a disc, with fine vertical slit, was introduced near to the recording cylinder and arranged to carry a glass scale, by means of which the correct barometer scale is photographed on the sheet, white horizontal lines appearing at intervals of 0·051 inch (true) or 0·01 inch of mercury. The scale value was determined from measures of the barograms at the times of eye observations of the Standard barometer from 1904 May 15 to June 5.

The above alterations have effected a very considerable saving of time and labour in measuring the ordinates. Greater accuracy is also obtained, on account of the improved definition which the use of a fine slit near the cylinder ensures.

STANDARD BAROMETER.—The standard barometer, Negretti and Zambra No. 2,170, was purchased in the year 1904, and brought into regular use on 1906 January 1.

The instrument is mounted on a wooden stand 6 feet from the southern and 9 feet from the eastern wall of the Principal Computing Room. It is of the Fortin pattern as modified by Newman, the capacity correction being made by adjusting the scale until its lower extremity, which terminates in an ivory point, just touches the surface of the mercury in the cistern. The diameter of the tube is $0^{in}\cdot6$, and of the glass cistern $2^{ins}\cdot8$. The bulb of the attached thermometer is $0^{in}\cdot2$ in diameter and $0^{in}\cdot9$ long.

The height of the barometer cistern above mean sea level is 181 feet.

The barometer is read daily at 0^h, 6^h, 12^h, and 18^h, Mauritius Civil Time. The readings are reduced to temperature 32° Fahrenheit, but not to sea-level or to Standard gravity at latitude 45°.

Barometer Newman No. 128, which had been used as a Standard since 1891 September 26, was discarded on 1905 December 31, on account of the accumulation of scum on the mercury in the cistern. The history of this barometer, and of others used at different times as Standards, is given in the Introduction to previous Volumes.

From a discussion of the photographic records of the barograph and intercomparison of the various Standard barometers, the following corrections to the published results have been deduced:—

CORRECTIONS APPLICABLE to the PUBLISHED OBSERVATIONS of BAROMETRIC PRESSURE.

Month. / Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1875	−·020	−·019	−·016	−·018	−·020	−·020	−·017	−·018	−·019	−·018	−·019	−·021
1876	−·019	−·019	−·019	−·018	−·018	−·018	−·018	−·019	−·021	−·021	−·022	−·020
1877	−·019	−·019	−·019	−·021	−·019	−·019	−·018	−·019	−·020	−·017	−·018	−·019
1878	−·020	−·020	−·019	−·018	−·018	−·018	−·018	−·018	−·018	−·018	−·019	−·019
1879	−·019	−·019	−·019	−·019	−·018	−·019	−·018	−·017	−·018	−·019	−·018	−·019
1880	−·019	−·019	−·019	−·020	−·017	−·018	−·017	−·019	−·018	−·019	−·018	−·019
1881	−·019	−·019	−·018	−·020	−·019	−·018	−·017	−·016	−·017	−·016	−·018	−·020
1882	−·020	−·018	−·019	−·020	−·019	−·018	−·017	−·017	−·018	−·017	−·018	−·020
1883	−·018	−·018	−·018	−·020	−·019	−·017	·000	+·001	−·002	−·001	−·001	−·001
1884	·000	−·001	−·001	·000	·000	+·001	+·001	−·001	−·001	−·002	−·001	−·001
1885	·000	−·001	−·001	−·001	−·002	+·001	+·001	−·001	−·001	+·001	+·001	·000
1886	−·001	−·001	−·001	·000	·000	·000	·000	·000	·000	·000	−·001	−·001
1887	·000	·000	·000	·000	·000	·000	·000	·000	·000	+·001	·000	−·001
1888	·000	+·001	·000	−·001	·000	−·001	·000	·000	·000	·000	·000	−·001
1889	−·001	−·001	−·001	·000	−·001	−·001	·000	−·001	·000	·000	−·001	·000
1890	−·001	·000	−·001	·000	·000	·000	·000	·000	·000	·000	·000	·000
1891	·000	−·001	·000	·000	·000	·000	+·001	+·001	·000	−·001	−·001	−·002
1892	−·001	·000	+·001	·000	·000	+·001	·000	·000	·000	·000	·000	·000
1893	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000
1894	·000	·000	·000	+·001	·000	·000	·000	·000	·000	+·001	·000	·000
1895	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000
1896	−·001	−·001	−·001	−·001	−·001	−·001	−·001	−·001	−·001	−·001	−·001	−·001
1897	−·002	−·002	−·002	−·002	−·002	−·002	−·002	−·002	−·002	−·002	−·002	−·002
1898	−·003	−·003	−·003	−·003	−·003	−·003	−·003	−·003	−·003	−·003	−·003	−·003
1899	−·004	−·004	−·004	−·004	−·004	−·004	−·004	−·004	−·004	−·004	−·004	−·004
1900	−·005	−·005	−·005	−·005	−·005	−·005	−·005	−·005	−·005	−·005	−·005	−·005
1901	−·006	−·006	−·006	−·006	−·006	−·006	−·006	−·006	−·006	−·006	−·006	−·006
1902–6	−·007	−·007	−·007	−·007	−·007	−·007	−·007	−·007	−·007	−·007	−·007	−·007

The numbers in the above table, up to the end of the year 1891, include a small additional correction for temperature owing to the introduction, on 1892 January 1, of the International Tables of temperature corrections, which differ slightly from those formerly in use; also a further correction, up to the end of the year 1895, on account of incomplete standardisation of the barograph records.

DRY AND WET BULB THERMOMETERS.—The standard dry and wet bulb thermometers Nos. 714 and 715 (constructed at the Kew Observatory) are mounted in the Thermograph Screen between the photographic thermometers; they are read daily at 0^h, 6^h, 12^h, and 18^h, and the observations used to standardise the photographic records of the Thermograph.

On 1900 June 16, self-registering maximum and minimum dry bulb thermometers were added in order to compare their readings on each day with the measures of the highest and lowest points on the thermograms.

Observations of air and evaporation temperatures in the Principal Computing Room, and in a Stevenson screen on the lawn, were discontinued on 1903 December 31.

RADIATION THERMOMETERS. — The solar radiation thermometers, Hicks No. 521,214 and Negretti and Zambra 65,011, are mounted horizontally in the thermometer enclosure on a wooden stand 4 feet above the grass. They are self-registering maximum thermometers, enclosed in a glass jacket from which the air has been exhausted; their bulbs and part of the stem are covered with lamp black. They are read daily at 18^h.

The values given in column 14 of the "Daily Results of Meteorological Observations" are, until August 24, the readings of thermometer Negretti and Zambra No. 65,011, after the application of the following corrections to make them comparable with those of the former Standard, Hicks No. 211,682.

Reading of N. and Z. 65,011 -	115°	134°	135°	140°	148°	149°	153°	157°
Correction - -	−4°·2	−4°·2	−4°·1	−3°·9	−3°·0	−3°·0	−3°·3	−3°·8

This thermometer was found broken on August 24, and from this date to the end of the year the readings are those of Hicks No. 521,214, after the application of the following corrections to make them comparable with the same Standard (Hicks No. 211,682):—

Reading of Hicks No. 521,214 -	110°	120°	130°	140°	150°	160°
Correction - -	−6°·8	−7°·3	−7°·8	−8°·1	−8°·4	−8°·8

The corrections are derived from daily comparisons between Hicks No. 521,214 and Negretti and Zambra No. 65,011 from 1904 January 1 to 1906 August 23.

The terrestrial radiation thermometer, Hicks No. 89,833, is a self-registering spirit minimum thermometer, with spherical bulb. Its stem is protected by a glass jacket. It is mounted horizontally in the thermometer enclosure on a metal stand 6 inches above the grass. The index is read daily at 6^h, and a daily correction obtained by comparing the readings of the spirit at 0^h and 6^h with the corrected readings of a mercurial thermometer, No. 23,024, which is mounted close to the radiation thermometer with its bulb at the same height above the grass.

EARTH THERMOMETERS.—The earth thermometers Casella Nos. 12,380 and 109,087 are of the pattern described by the late Mr. G. J. Symons in the *Quarterly Journal of the Royal Meteorological Society*, Vol. III. They are suspended in iron pipes let into the ground, in the thermometer enclosure, and their bulbs are respectively 62 inches and 120 inches below the surface. Both are read daily at 9^h.

COMPARISON OF THERMOMETERS.—The ordinary mercurial thermometers for eye observations are compared twice a year, near mid-winter and mid-summer, with Standard thermometer No. 701, specially constructed at the Kew Observatory, and calibrated in the year 1891. The following precautions are taken to ensure accuracy:—

The thermometers to be compared are placed in a double cistern of water on a board which is fixed at an angle of about 30° with the horizon. They are arranged symmetrically on either side of the Standard with their bulbs at the same depth below the surface of the water.

The observations are commenced at sunrise, when the water is of nearly the same temperature as the air. The water is stirred before each set of comparisons, but readings are not commenced until it has become nearly still. The thermometers are read in rotation, commencing from the right and left alternately.

The observations are made with a small microscope fixed at the end of a brass tube 8 inches long, and held at right angles to the thermometer stems by a jointed arm.

The results of the comparisons in 1905 January, 1905 July, 1906 January, and 1906 July are given below; together with the correction adopted in the

Reductions for the year 1906. The mean of three consecutive determinations is adopted as the correction for the following six months:—

Exposure.	Thermometer.	Temperature during Comparisons.	Correction.					
			1905 January.	1905 July.	1906 January.	1906 July.	Adopted in 1906.	
							January to June.	July to December.
Thermograph Screen.	Dry bulb, No. 714.	63 70 73 89	−0·13	−0·12 −0·07	−0·09	−0·13	−0·10	−0·10
	Wet bulb, No. 715.	63 70 73 89	−0·17	−0·13 −0·15	−0·11	−0·12	−0·12 below 72° −0·16 above 72°	−0·12 below 72° −0·16 above 72°
62 inches below surface of ground.	Earth, No. 12,380.	62 67 70 74	−0·74	−0·64	−0·59	−0·70	−0·7	−0·6
120 inches below surface of ground.	Earth, No. 109,087.	62 66 70 74	−0·24	−0·32	−0·14	−0·30	−0·23	−0·25
Magnetic Pavilion.	For deflections, No. 134.	63 73	−0·20	−0·23		−0·33	−0·23	−0·28
	For vibrations.	63 64 74	−1·34	−1·41	−1·16	−1·10	−1·3	−1·2
On Barometer (Negretti and Zambra No. 2,170).	Dry bulb, No. 109,841.	62 66 70 73	−0·05	−0·26	−0·25	−0·15	−0·2	−0·2
On grass.	Dry bulb, No. 23,024.	63 64 70 73	−0·68	−0·57	−0·66	−0·59	−0·6	−0·6

Where the correction is applied to the mean of a number of readings the second decimal place is retained, in order to preserve accuracy to 0·1 of a degree.

The results depend upon the steadiness of the Standard thermometer, which is checked, as opportunity offers, by comparison with thermometers examined at the Kew Observatory immediately on their arrival in Mauritius.

As a further precaution a new Standard, No. 774, was obtained from the Kew Observatory on 1903 May 7. The results of comparisons with Standard No. 701 are as follows:—

Date.	Excess of 701 over 774.	Number of Comparisons.	Temperature.
	°		°
1903 May 7 - -	0·00	17	66
1903 June 25 -	−0·03	12	65
1904 January 19 -	−0·02	56	71
1904 July 1 - -	−0·03	24	63
1905 January 12 -	−0·05	8	73
1905 July 20 - -	−0·07	12	60

The comparisons indicate that thermometer No. 774 is developing a positive error, rather than that, after 14 years, No. 701 is developing a negative error.

RAIN GAUGES.—The rain gauge in use since the establishment of the Observatory is of the Glaisher pattern. Its receiving surface is 8 inches in diameter and 10 inches above the ground; it is read daily at midnight.

Since 1887 May 1 the amount of rain has also been recorded automatically by a Beckley pluviograph, described by the late Professor Balfour Stewart at a meeting of the British Association for the Advancement of Science held at Exeter in the year 1869. Its receiving surface is 11·28 inches in diameter and 23 inches above the ground.

EVAPOROMETER.—The daily amount of evaporation is obtained from the readings of an evaporometer by Negretti and Zambra. The instrument consists of a cylindrical brass vessel, 8 inches in diameter and 4 inches deep, surrounded by a wire cage. The amount of water in the vessel is measured daily at midnight, and the difference between two successive readings, after due allowance for any rain which may have fallen and for water added or removed, gives the amount of water evaporated in the interval.

OZONOMETER.—The ozonometer is of the pattern recommended by Sir James Clarke, and is suspended at the south-east corner of the verandah of the Main Building. It consists of a double cylindrical wire gauze cage 10 inches high, the outer cage being 6½ inches in diameter, and the inner cage 3½ inches. The gauze is sufficiently fine to protect the test papers from the action of light while permitting

a free circulation of air through the cage. The test paper, which is placed on a hook projecting from the lid into the inner cylinder, is changed daily at midnight, and the amount of ozone determined by comparing the discoloration of the paper with a scale of graduated tints numbered from 0 to 10.

SUNSHINE RECORDER.—The instrument used for recording the duration of sunshine is an improved form of the Campbell-Stokes sunshine recorder described in the *Quarterly Journal of the Royal Meteorological Society*, Vol. VI. The half ring for supporting the paper is fixed at right angles to a semi-circular strip of gun-metal, graduated to degrees on its eastern side and slotted on its western side. Binding screws project from the north and south poles of the graduated circle, and working into small brass cups keep the glass sphere at its proper distance from the paper. The whole is supported on a slab of slate by a clamp, which holds the graduated circle in position, and admits of adjustment for any desired latitude. The obstruction caused by the half ring is insignificant, though somewhat greater in summer than in winter, as the ends are not cut parallel to the horizon. Under favourable atmospheric conditions the instrument will record from about 8 minutes after sunrise until 8 minutes before sunset in June, while in December no record is obtained within about 20 minutes of sunrise and sunset.

On account of an obstruction caused shortly before sunset by the North-West Dome when the sun's declination is greater than about 5° North, on 1900 August 17 the instrument was moved from its central position on the roof of the Main Building and planted 11 feet to westward, on a pedestal 9 feet high.

ACTINOMETER.—The actinometer is of the pattern described by the late Professor Balfour Stewart (*Nature*, Vol. XIII., page 118), and admits of observation of the heating effect of the sun upon a sensitive thermometer. The bulb of the thermometer is alternately shaded and exposed to the concentrated rays of the sun for exactly 2 minutes, and the reading at the instant of opening and closing the shutter noted, care being taken to keep the vertical and horizontal circles adjusted to the correct altitude and azimuth, so that the image of the sun falls centrally on the bulb of the thermometer during exposure.

NEPHOSCOPE.—On 1904 February 12 a Marvin Nephoscope was set up on a massive brass tripod 200 feet to the north-north-west of the Main Building. The instrument is fully described in Prof. Bigelow's *Report on the International Cloud Observations* (*Report of the Chief of the Weather Bureau, U.S.A.*, 1898–9, Vol. II.).

Observations of the direction of motion of the clouds are made as follows:—The images of the cloud and knob of the sighting-staff are made to coincide at the centre of the mirror; then, still keeping the image of the knob at the centre of the mirror, the latter is rotated on its axis until the cloud appears to move along a graduated line etched diametrically on the surface of the mirror. The azimuth of this line, and hence the direction of motion of the cloud, is then read off on the graduated circle.

§ VI.—*Meteorological Reductions.*

The continuous records of barometric pressure, temperature of the air and of evaporation, direction and velocity of the wind, the duration of sunshine, and the amount of rainfall, are measured at each hour of the day from 0^h to 23^h, Mauritius Civil Time, and daily and hourly means formed for each month.

The eye observations of the standard barometer and of the standard dry-bulb and wet-bulb thermometers, after correction for index error, furnish mean monthly corrections to the photographic measures, at 0^h, 6^h, 12^h, and 18^h; the corrections for intermediate hours being found by interpolation. A mean daily correction is adopted for periods during which it is sensibly constant.

The values given in the table of "Daily Results of Meteorological Observations" refer to the civil day. The mean daily values of barometric pressure, temperature of the air and of evaporation, north and east components and recorded velocity of the wind, given respectively in columns 1, 6, 8, 23, 24, and 29 are derived from the hourly measures of the several registers, taking into account the difference between the ordinate at 0^h and 24^h on each day, as explained on page *xviii* in the case of magnetic declination and horizontal force. For further particulars as to the extent of these non-periodic variations reference may be made to the Introduction for 1900, 1901, and 1902.

The daily maximum and minimum temperature given in columns 3 and 4 are the highest and lowest points on each day's thermogram, duly corrected for instrumental error.

The mean daily temperature of the dew point, and degree of humidity are deduced directly from the mean daily temperature of the air and of evaporation, by the aid of tables based upon Glaisher's *Hygrometrical Tables*, which give the temperature of the dew point to $0^\circ\cdot1$ and the relative humidity to $0\cdot1$ per cent. for every degree of air temperature and every $0^\circ\cdot1$ difference between air and evaporation temperatures.

The mean daily amount of cloud, column 20, is the mean of observations made at 6^h, 9^h, 13^h, and 15^h of the total amount of cloud, on a scale of 0–10, 0 representing a clear sky and 10 an overcast sky. These hours have been used to render the results comparable with those of former years; though observations of the amount of cloud have been made hourly since October 1903. The mean monthly amount of cloud as derived from the 24 hourly values was less than that derived from the values at 6^h, 9^h, 13^h, and 15^h by the following amounts in the years 1904, 1905, and 1906:—

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1904	0·8	0·6	0·6	0·6	0·8	0·9	0·9	0·7	0·5	0·5	0·6	0·5	0·67
1905	0·2	0·8	0·6	0·7	1·0	0·9	0·4	0·7	1·3	0·7	0·5	0·9	0·72
1906	0·9	0·7	0·5	1·3	1·1	0·8	0·7	0·4	−0·2	−0·1	−0·7	0·2	0·47

The mean daily direction and velocity of the wind, given in columns 25 and 26, are computed from the mean daily north and east components as derived from the hourly measures of the anemograms. The azimuth rotation adopted for the direction of the wind is from South (0°) through East (90°), North (180°) and West (270°); the values indicate the direction *from* which the wind blows. In column 29 is given the mean velocity of the wind, as recorded by the anemometer, irrespective of direction. For the sake of continuity no corrections have been applied to the recorded velocities on account of the use of Dr. Robinson's factor (3) in the construction of the scale.

The abbreviations under the heading "Weather" have the following significance:—

b	denotes	blue sky, cloudless.	*o*	denotes	overcast.
c	,,	partially cloudy.	*p*	,,	passing showers.
d	,,	drizzle.	*q*	,,	squally.
f	,,	fine.	*r*	,,	continuous rain.
g	,,	gloomy.	*t*	,,	distant thunder.
l	,,	lightning.	*t-sm*	,,	thunderstorm.

The times of the weather changes are indicated approximately by colons.

The daily departures from average of Barometric Pressure, Mean Temperature of the Air and of the Dew Point, Mean Resultant Wind Velocity, and the Amount of Rain, are shown graphically at the foot of each table of "Daily Results," in order to exhibit more clearly the relation between these elements.

The monthly values of the principal meteorological elements are collected on page (xliv) and their normals given on page (xlv). The normal monthly rainfall as derived from the daily readings of the Glaisher gauge, made until 1903 June 30

at 9 a.m., has been referred to the calendar month by assigning to the last day of each month the proper proportion of the rain measured at 9 a.m. on the first day of the following month, as shown by the records of the Beckley Pluviograph.

In counting days of thunderstorm, those days are included on which thunder was recorded, even though no lightning was seen: those on which lightning was seen, but no thunder heard, have not been counted.

The table of "Highest and Lowest Barometer Readings," page (xlvi), has been compiled from the photographic records of the barograph, corrected for diurnal variation, and reduced to 32° Fahrenheit. It exhibits the gradual increase and decrease of pressure produced by the passage of "highs" and "lows," without the minor fluctuations.

In the monthly mean diurnal inequalities of the meteorological elements, pages (xlvii) to (liii), the value at the 24th hour has been included. The hourly correction $(h - 12)\ (x_0 - x_{24})/_{24}$ has not been applied, as in the meteorological reductions the quantity $(x_0 - x_{24})$ signifies a real change in the element, only a portion of which (that due to the annual inequality) can be satisfactorily eliminated; the remaining portion is not in operation throughout the day, but affects the values at 0^h and 24^h only. In order to make the diurnal inequalities of the amount and duration of rainfall and the duration of bright sunshine comparable with those of the other elements, mean values have been given, whereas in former volumes, previous to 1905, monthly totals were published. It should be mentioned also that in these elements the numbers represent the inequality during the hour *beginning* 0^h, 1^h, 2^h, &c.

In the table "Direction of Motion of the Various Types of Cloud," pages (liv) and (lv), the azimuth rotation adopted is from South (0°) through East (90°), North (180°), and West (270°); the values indicate the direction from which the clouds come.

The table "Abstract of the Changes in the Direction of the Wind," page (lvi), has been compiled from the records of the Beckley anemograph, and exhibits all changes in the direction of the wind amounting to, or exceeding, 2 points; it is to be understood, however, that gradual changes of direction from day to day are not included, as such changes are shown by the directions given in the table of "Daily Results."

In reducing the actinometric observations, the results of which are given on page (lvii), it is assumed that the loss of heat from radiation and convection during the exposure to the sun's rays is equal to the mean of the loss during the two minutes

before and after exposure. Thus supposing P to be the heating effect for an exposure of two minutes, r and r_1 the fall of temperature in the two minutes before and after exposure respectively, and R the rise of temperature during exposure, then

$$P = R + \frac{r + r_1}{2}$$

In computing the transmissibility of the air the exponential formula of Pouillet has been used :—

$$\log. x = (\log. P\rho^2 - \log. P_0)/\beta\delta$$

where x is the coefficient of transmission of a ray from a zenith sun through the atmosphere, when its pressure is equivalent to that of 30 inches of mercury, P_0 the original heat, P the observed heat, ρ the radius vector of the earth, β the ratio which the barometric pressure at the time of observation bears to a constant pressure of 30 inches of mercury, and δ the secant of the mean zenith distance of the sun during the observation.

Even assuming the above formula to be correct for composite rays, in determining P_0 and x from two observational equations it is further necessary to assume that these quantities, and also the sensibility of the instrument, have the same value in each equation; but as all three are variable, the mean value of P_0 derived from 17 years' observations (11°·21) has been used in computing the values of x given on page (lvii), which are therefore affected by variations in P_0 and the sensibility of the instrument. They show approximately, however, the variability of x from day to day.

The Rainfall tables, pages (lviii) to (lxii), have been compiled from information kindly furnished by the proprietors of sugar estates, and other amateur observers. When for any station the returns are incomplete, the mean annual rainfall is given, but not included in the formation of the average annual rainfall for all stations, which is comparable with the value given for the year 1906.

T. F. CLAXTON.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

RESULTS

OF

MAGNETICAL OBSERVATIONS.

1906.

DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1906.

Mauritius Civil Time, 1906.		Deflecting Magnet.				Observed Deflection.		Temperature (Centigrade).	Observer.
		Observed Time of one Vibration. T'.	Effect of 90° Torsion.	Temperature (Centigrade).	Corrected Time of one Vibration. T.	Distance. 1·0 Foot.	Distance. 1·3 Foot.		
	d h	Secs.	′	°	Secs.	° ′	° ′	°	
January	3.13	3·7930	1·70	30·3	3·7762	13.34·16	6.8·52	29·6	W.
	4.12	3·7926	1·51	29·3	3·7766	..	..	..	W.
	13.12	3·7907	1·51	30·5	3·7738	..	..	..	W.
	17.11	3·7895	2·31	29·3	3·7738	13.33·51	6.8·40	29·2	W.
	17.16	3·7930	2·31	30·6	3·7761	13.34·17	6.8·77	30·1	W.
	23.15	3·7931	2·31	30·1	3·7766	..	..	..	W.
	29.13	3·7921	2·31	29·1	3·7762	..	..	..	W.
	30. 9	3·7879	2·31	26·5	3·7741	13.35·00	6.9·18	26·4	W.
	30.12	3·7891	2·31	28·1	3·7741	13.34·08	6.8·48	28·2	W.
	31. 9	3·7901	2·31	26·2	3·7765	..	..	..	W.
February	12.15	3·7970	2·31	30·8	3·7798	..	..	..	W.
	17. 9	3·7915	2·31	26·8	3·7775	..	..	..	W.
	19. 8	3·7914	2·31	26·1	3·7779	13.35·50	6.9·42	26·4	W.
	20.13	3·7974	2·31	30·6	3·7805	13.35·18	6.8·98	30·0	W.
	26.16	3·7982	2·31	30·5	3·7814	..	..	..	W.
	27.14	3·7952	2·31	30·9	3·7781	..	..	..	W.
	28.14	3·7964	2·31	31·1	3·7792	13.34·61	6.8·75	30·9	W.
	28.17	3·7998	2·31	31·2	3·7824	13.35·97	6.9·66	30·9	W.
March	1.14	3·7988	2·31	32·3	3·7805	..	..	..	W.
	16.16	3·7920	2·31	28·0	3·7771	..	..	..	W.
	17. 8	3·7902	2·31	25·2	3·7773	13.36·16	6.9·66	25·6	W.
	17.11	3·7934	2·31	28·4	3·7782	13.35·02	6.9·10	27·8	W.
	31. 8	3·7910	2·31	25·3	3·7780	13.35·85	6.9·64	25·9	W.
	31.12	3·7916	2·31	27·9	3·7767	13.35·16	6.9·26	27·4	W.
April	2.11	3·7890	2·31	26·0	3·7751	..	..	..	W.
	4.12	3·7932	2·31	29·0	3·7775	..	..	..	W.
	21.11	3·7896	2·31	25·6	3·7764	13.35·40	6.9·36	25·9	W.
	21.14	3·7924	2·31	27·4	3·7779	13.35·19	6.9·06	26·9	W.
	30. 8	3·7889	2·31	22·8	3·7779	13.36·99	6.9·91	23·6	W.
May	14.11	3·7896	2·31	24·8	3·7770	13.35·81	6.9·46	24·0	W.
	14.14	3·7896	2·31	26·4	3·7759	13.34·67	6.8·88	26·1	W.
	15. 8	3·7880	2·31	23·3	3·7765	..	..	..	W.
	16. 9	3·7893	2·31	22·3	3·7785	..	..	..	W.
	18. 9	3·7898	2·31	23·1	3·7784	..	..	..	W.
	19. 8	3·7890	2·31	21·7	3·7786	..	..	..	W.
	21. 9	3·7884	2·31	22·2	3·7776	..	..	..	W.
	23. 8	3·7884	2·31	21·8	3·7779	..	..	..	W.
	25. 8	3·7880	2·31	22·4	3·7771	..	..	..	W.
	28. 9	3·7882	2·31	22·6	3·7772	..	..	..	W.
	30. 9	3·7890	2·35	23·0	3·7779	13.37·11	6.9·93	23·4	W.
	30.13	3·7908	2·35	24·8	3·7784	13.36·10	6.9·72	24·4	W.

The initial W. is that of Mr. Walter.

DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1906—*continued.*

Mauritius Civil Time, 1906.		In Metric Measure (C.G.S. Unit).							
		log. A_1—log. A_2	Apparent Value of P.	Adopted Mean Value of P.	log. m.	X.	Magnetograph Reading.	Correction to Magnetograph.	Adopted Monthly Correction.
	d h	(—)	(—)	(—)					
January	3.13	·00074	3·89	4·36	2·90070	·23569	..	..	
	4.12	..	..	..	*2·90071*	*·23564*	·23522	+·00042	
	13.12	..	..	..	*2·90083*	*·23592*	·23551	+·00041	
	17.11	·00095	5·00	4·63	2·90088	·23589	·23571	+·00018	
	17.16	·00104	5·48	4·63	2·90091	·23561	·23536	+·00025	
	23.15	..	..	..	*2·90093*	*·23553*	·23570	—·00017	+·00014
	29.13	..	..	..	*2·90093*	*·23556*	·23569	—·00013	
	30. 9	·00108	5·69	4·95	2·90100	·23575	·23587	—·00012	
	30.12	·00075	3·94	4·95	2·90091	·23585	·23595	—·00010	
	31. 9	..	..	..	*2·90093*	*·23551*	·23577	—·00026	
February	12.15	..	..	..	*2·90081*	*·23519*	·23573	—·00054	
	17. 9	..	..	..	*2·90080*	*·23547*	·23600	—·00053	
	19. 8	·00109	5·74	5·00	2·90075	·23544	·23612	—·00068	
	20.13	·00075	3·94	5·00	2·90065	·23519	·23590	—·00071	
	26.16	..	..	..	*2·90080*	*·23501*	·23580	—·00079	—·00054
	27.14	..	..	..	*2·90080*	*·23542*	·23600	—·00058	
	28.14	·00079	4·15	5·16	2·90078	·23529	·23601	—·00072	
	28.17	·00124	6·53	5·16	2·90084	·23484	·23561	—·00077	
March	1.14	..	..	..	*2·90082*	*·23511*	·23598	—·00087	
	16.16	..	..	..	*2·90087*	*·23549*	·23623	—·00074	
	17. 8	·00104	5·48	5·42	2·90096	·23538	·23638	—·00100	
	17.11	·00098	5·16	5·42	2·90078	·23539	·23651	—·00112	—·00099
	31. 8	·00117	6·16	5·37	2·90087	·23535	·23650	—·00115	
	31.12	·00099	5·21	5·37	2·90100	·23546	·23658	—·00112	
April	2.11	..	..	..	*2·90087*	*·23572*	·23679	—·00107	
	4.12	..	..	..	*2·90087*	*·23544*	·23645	—·00101	
	21.11	·00106	5·58	5·16	2·90080	·23557	·23678	—·00121	—·00125
	21.14	·00085	4·47	5·16	2·90070	·23548	·23684	—·00136	
	30. 8	·00089	4·68	4·89	2·90082	·23541	·23680	—·00139	
May	14.11	·00098	5·16	4·84	2·90064	·23559	·23685	—·00126	
	14.14	·00090	4·73	4·84	2·90066	·23573	·23698	—·00125	
	15. 8	..	..	..	*2·90070*	*·23562*	·23690	—·00128	
	16. 9	..	..	..	*2·90070*	*·23536*	·23664	—·00128	
	18. 9	..	..	..	*2·90070*	*·23538*	·23661	—·00123	
	19. 8	..	..	..	*2·90070*	*·23535*	·23663	—·00128	
	21. 9	..	..	..	*2·90070*	*·23547*	·23663	—·00116	—·00128
	23. 8	..	..	..	*2·90070*	*·23544*	·23670	—·00126	
	25. 8	..	..	..	*2·90070*	*·23554*	·23680	—·00126	
	28. 9	..	..	..	*2·90070*	*·23553*	·23683	—·00130	
	30. 9	·00085	4·47	4·84	2·90080	·23539	·23675	—·00136	
	30.13	·00103	5·42	4·84	2·90064	·23542	·23680	—·00138	

The values of m in italics are interpolated.

DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1906.

Mauritius Civil Time, 1906.		Deflecting Magnet. Observed Time of one Vibration. T'.	Effect of 90° Torsion.	Temperature (Centigrade).	Corrected Time of one Vibration. T.	Observed Deflection. Distance. 1·0 Foot.	1·3 Foot.	Temperature (Centigrade).	Observer.
	d h	Secs.	′	°	Secs.	° ′	° ′	°	
June	5. 8	3·7881	2·35	21·1	3·7784	..	..	..	W.
	6. 8	3·7888	2·35	21·6	3·7787	..	..	..	W.
	13. 9	3·7847	2·35	20·1	3·7757	..	..	..	F.
	19.10	3·7865	2·35	20·2	3·7774	13.37·77	6.10·29	21·0	W.
	19.13	3·7897	2·35	23·3	3·7784	13.37·69	6.10·16	22·6	W.
	23. 9	3·7831	2·35	18·4	3·7774	..	..	..	F.
	26.10	3·7865	2·35	20·6	3·7771	..	..	..	F.
	27. 9	3·7868	2·35	19·9	3·7779	..	..	..	W.
	28. 8	3·7829	2·35	17·7	3·7756	13.38·58	6.10·69	18·4	W.
	28.13	3·7899	2·35	24·5	3·7777	13.36·40	6. 9·60	23·6	W.
July	5. 8	3·7855	2·35	19·0	3·7772	..	..	..	W.
	6. 8	3·7847	2·41	19·2	3·7764	..	..	..	F.
	9. 9	3·7871	2·60	20·7	3·7778	..	..	..	W.
	13. 9	3·7878	2·91	20·5	3·7787	13.38·22	6.10·50	21·0	W.
	13.14	3·7909	2·91	23·5	3·7796	13.37·27	6. 9·98	23·2	W.
	14. 9	3·7900	2·91	21·2	3·7804	..	..	..	F.
	24. 8	3·7866	2·91	19·6	3·7781	..	..	..	W.
	25.10	3·7849	2·91	20·1	3·7760	..	..	..	W.
	27. 9	3·7827	2·91	17·5	3·7756	13.37·99	6.10·40	19·1	W.
	27.13	3·7903	2·91	22·4	3·7798	13.37·86	6.10·24	22·3	W.
August	6. 8	3·7881	2·91	20·6	3·7789	..	..	..	W.
	11. 8	3·7886	2·91	21·2	3·7790	..	..	..	W.
	14.10	3·7885	2·91	20·4	3·7795	13.38.70	6.10·61	21·0	W.
	14.14	3·7920	2·91	24·0	3·7804	13.37·38	6.10·08	23·2	W.
	21.11	3·7897	2·91	22·7	3·7790	..	..	..	W.
	28.10	3·7880	2·91	20·5	3·7789	13.27·33	6.10·36	21·2	W.
	28.13	3·7896	2·91	23·0	3·7787	13.37·45	6. 9·96	23·1	W.
September	4. 9	3·7881	2·91	19·4	3·7797	..	..	..	W.
	14.10	3·7889	2·91	20·7	3·7796	..	..	..	F.
	19. 9	3·7902	2·91	21·3	3·7807	..	..	..	F.
	21. 9	3·7876	2·91	21·2	3·7779	13.36·47	6. 9·81	22·3	W.
	22.11	3·7913	2·91	24·0	3·7797	13.37·24	6.10·33	23·3	W.
	24. 9	3·7890	2·91	20·0	3·7802	..	..	..	F.
	25. 9	3·7894	2·91	19·3	3·7811	..	..	..	F.
	26. 9	3·7900	2·91	20·9	3·7806	..	..	..	F.
	29. 9	3·7893	2·91	21·4	3·7796	13.37·90	6.10·18	22·0	W.
	29.11	3·7905	2·91	24·7	3·7784	13.36·24	6. 9·56	23·6	W.
October	4.10	3·7920	2·91	23·2	3·7809	..	..	..	F.
	9. 9	3·7918	2·91	23·1	3·7808	..	..	..	F.
	10. 9	3·7906	2·91	22·5	3·7801	..	..	..	W.
	20. 9	3·7881	3·00	22·4	3·7776	13.37·10	6.10·03	22·9	W.
	23.12	3·7930	3·00	25·0	3·7806	13.37·23	6. 9·81	24·5	W.
	29. 9	3·7942	3·00	24·0	3·7826	..	..	..	F.
	31.11	3·7875	3·00	22·8	3·7767	13.36·36	6. 9·60	23·6	W.
November	6. 9	3·7937	3·00	25·2	3·7812	..	..	..	W.
	7. 9	3·7900	3·00	23·7	3·7786	..	..	..	W.
	8. 9	3·7891	3·00	23·5	3·7779	..	..	..	W.
	12.11	3·7931	3·00	26·3	3·7798	13.36·80	6. 9·75	26·2	W.
	12.14	3·7948	3·00	27·0	3·7810	13.36·14	6. 9·45	26·5	W.
	15.10	3·7890	3·00	25·0	3·7766	..	..	..	F.
	17. 9	3·7905	3·00	25·4	3·7779	..	..	..	F.
	20.10	3·7925	3·00	25·7	3·7796	..	..	..	F.
	29.10	3·7902	3·00	25·6	3·7775	..	..	..	F.
December	13. 9	3·7933	3·00	25·5	3·7806	..	..	..	F.
	15.15	3·7933	3·00	29·3	3·7779	13.34·62	6. 8·97	28·9	W.
	18. 9	3·7966	3·14	24·4	3·7846	13.36·67	6. 9·94	26·0	W.
	26. 9	3·7955	3·14	25·7	3·7827	..	..	..	F.
	28. 8	3·7940	3·14	24·2	3·7823	13.38·12	6.10·45	24·8	W.

The initials W. and F. are those of Mr. Walter and Mr. Figon.

DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1906—*continued.*

Mauritius Civil Time, 1906.		In Metric Measure (C.G.S. Unit).							
		log. A_1—log. A_2	Apparent Value of P.	Adopted Mean Value of P.	log. m.	X.	Magnetograph Reading.	Correction to Magnetograph.	Adopted Monthly Correction.
	d h	(—)	(—)	(—)					
June	5. 8	..	..	..	*2·90070*	*·23537*	·23669	—·00132	
	6. 8	..	..	..	*2·90080*	*·23528*	·23666	—·00138	
	13. 9	..	..	..	*2·90080*	*·23565*	·23699	—·00134	
	19.10	·00093	4·89	4·79	2·90079	·23544	·23679	—·00135	
	19.13	·00082	4·31	4·79	2·90079	·23534	·23666	—·00132	—·00135
	23. 9	..	..	..	*2·90079*	*·23569*	·23677	—·00108	
	26.10	..	..	..	*2·90079*	*·23548*	·23689	—·00141	
	27. 9	..	..	..	*2·90079*	*·23538*	·23677	—·00139	
	28. 8	·00099	5·21	4·68	2·90095	·23556	·23689	—·00133	
	28.13	·00083	4·36	4·68	2·90061	·23552	·23683	—·00131	
July	5. 8	..	..	..	*2·90076*	*·23548*	·23685	—·00137	
	6. 8	..	..	..	*2·90073*	*.23560*	·23673	—·00113	
	9. 9	..	..	..	*2·90071*	*·23544*	·23683	—·00139	
	13. 9	·00094	4·95	4·68	2·90074	·23530	·23676	—·00146	
	13.14	·00082	4·31	4·68	2·90059	·23530	·23675	—·00145	—·00145
	14. 9	..	..	..	*2·90068*	*·23514*	·23663	—·00149	
	24. 8	..	..	..	*2·90070*	*·23540*	·23689	—·00149	
	25.10	..	..	..	*2·90070*	*·23567*	·23694	—·00127	
	27. 9	·00094	4·95	4·58	2·90085	·23563	·23700	—·00137	
	27.13	·00082	4·31	4·58	2·90061	·23527	·23668	—·00141	
August	6. 8	..	..	..	*2·90070*	*·23530*	·23693	—·00163	
	11. 8	..	..	..	*2·90070*	*·23529*	·23686	—·00157	
	14.10	·00082	4·31	4·73	2·90076	·23520	·23664	—·00144	
	14.14	·00088	4·63	4·73	2·90054	·23522	·23674	—·00152	—·00153
	21.11	..	..	..	*2·90070*	*·23530*	·23687	—·00157	
	28.10	00124	6·53	5·16	2·90067	·23533	·23683	—·00150	
	28.13	·00071	3·73	5·16	2·90078	·23530	·23674	—·00144	
September	4. 9	..	..	..	*2·90073*	*·23519*	·23668	—·00149	
	14.10	..	..	..	*2·90070*	*·23522*	·23690	—·00168	
	19. 9	..	..	..	*2·90070*	*·23503*	·23693	—·00190	
	21. 9	·00104	5·48	5·10	2·90060	·23548	·23717	—·00169	
	22.11	·00123	6·48	5·10	2·90076	·23519	·23707	—·00188	—·00165
	24. 9	..	..	..	*2·90066*	*·23516*	·23668	—·00152	
	25. 9	..	..	..	*2·90066*	*·23504*	·23670	—·00166	
	26. 9	..	..	..	*2·90065*	*·23503*	·23682	—·00179	
	29. 9	·00074	3·89	5·10	2·90068	·23524	·23695	—·00171	
	29.11	·00087	4·58	5·10	2·90058	·23545	·23707	—·00162	
October	4.10	..	..	..	*2·90062*	*·23511*	·23696	—·00185	
	9. 9	..	..	..	*2·90062*	*·23513*	·23707	—·00194	
	10. 9	..	..	..	*2·90062*	*·23522*	·23703	—·00181	
	20. 9	·00098	5·16	4·26	2·90068	·23548	·23708	—·00160	—·00172
	23.12	·00064	3·36	4·31	2·90050	·23522	·23692	—·00170	
	29. 9	..	..	..	*2·90059*	*·23493*	·23706	—·00213	
	31.11	·00085	4·47	4·05	2·90060	·23565	·23721	—·00156	
November	6. 9	..	..	..	*2·90058*	*·23511*	·23703	—·00192	
	7. 9	..	..	..	*2·90058*	*·23542*	·23713	—·00171	
	8. 9	..	..	..	*2·90058*	*·23552*	·23716	—·00164	
	12.11	·00081	4·26	4·73	2·90073	·23521	·23695	—·00174	—·00176
	12.14	·00081	4·26	4·73	2·90045	·23521	·23705	—·00184	
	15.10	..	..	..	*2·90057*	*·23568*	·23720	—·00152	
	17. 9	..	..	..	*2·90057*	*·23552*	·23694	—·00142	
	20.10	..	..	..	*2·90057*	*·23532*	..	..	
	29.10	..	..	..	*2·90056*	*·23559*	..	..	
December	13. 9	..	..	..	*2·90053*	*·23521*	·23705	—·00184	
	15. 5	·00103	5·42	5·16	2·90080	·23543	·23742	—·00199	
	18. 9	·00110	5·79	5·37	2·90030	·23483	·23709	—·00226	—·00199
	26. 9	..	..	..	*2·90048*	*·23499*	·23710	—·00211	
	28. 8	·00093	4·89	5·26	2·90077	·23486	·23701	—·00215	

The values of m in italics are interpolated.

RESULTS of OBSERVATIONS of MAGNETIC DIP made in the MAGNETIC PAVILION in the YEAR 1906.

NEEDLE No. 1.

Mauritius Civil Time, 1906.		Poles Direct (A dipping). Face of Needle to Face of Instrument. Face of Instrument. East.	Poles Direct (A dipping). Face of Needle to Face of Instrument. Face of Instrument. West.	Poles Direct (A dipping). Face of Needle to Back of Instrument. Face of Instrument. West.	Poles Direct (A dipping). Face of Needle to Back of Instrument. Face of Instrument. East.	Poles Reversed (B dipping). Face of Needle to Face of Instrument. Face of Instrument. East.	Poles Reversed (B dipping). Face of Needle to Face of Instrument. Face of Instrument. West.	Poles Reversed (B dipping). Face of Needle to Back of Instrument. Face of Instrument. West.	Poles Reversed (B dipping). Face of Needle to Back of Instrument. Face of Instrument. East.	Means.	Monthly Means.	Observer
		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	53° ′	53° ′	
January	d h 3.14	56. 0·0	50.25·3	53.28·3	52.57·8	54.32·7	54.39·7	52. 4·2	57. 7·2	54·4	54·3	F.
	29.15	56.10·3	50.45·7	53.15·5	53.11·8	54.23·8	54.32·8	52. 0·0	56.54·2	54·3		F.
February	2.15	55.58·2	50.50·7	53.12·0	53.20·8	54.37·7	54.32·5	52.10·3	56.50·3	56·6	56·4	F.
	27.15	56. 4·3	50.24·2	53.17·7	53. 2·0	54.41·2	54.48·8	52.16·0	56.55·3	56·2		F.
March	3. 9	56. 7·0	50.30·0	53.21·7	52.58·0	54.43·8	54.43·2	52.16·8	56.54·2	56·8	56·7	F.
	28. 9	55.56·7	50.41·7	53.26·7	53. 5·5	54.40·3	54.37·8	52.11·7	56.52·2	56·6		F.
April	2. 9	55.44·2	50.55·5	53.21·8	53.16·5	54.37·7	54.36·8	52.19·0	56.46·3	57·2	56·0	F.
	28. 9	55.51·3	50.36·7	53.19·0	53. 3·8	54.34·0	54.41·0	52.12·3	57. 0·2	54·8		F.
May	2. 9	55.49·8	50.36·3	53.24·2	52.58·0	54.35·7	54.39·3	52.15·3	56.58·8	54·7	56·5	F.
	28.14	55.39·2	50.57·0	53.19·2	53.20·7	54.32·8	54.45·7	52. 8·2	57. 4·7	58·4		F.
June	2.11	55.45·3	50.34·3	53.14·7	53. 8·3	54.34·3	54.41·8	52.19·8	57. 1·0	54·9	53·4	F.
	29. 9	55.47·7	50.39·0	53.21·0	53. 1·0	54.31·2	54.35·2	52. 8·2	56.51·8	51·9		F.
July	3. 9	55.45·7	50.47·8	53.20·2	53. 6·0	54.32·3	54.39·5	52.14·2	56.57·5	55·4	55·9	F.
	28. 9	55.44·7	50.53·2	53.18·0	53. 6·3	54.40·0	54.40·5	52.12·5	56.56·3	56·4		F.
August	3. 9	55.45·7	50.50·3	53.20·2	53.11·7	54.30·7	54.44·5	52. 6·2	56.56·3	55·7	53·3	F.
	28. 9	55.39·2	50.40·2	53.17·8	53. 8·7	54.32·0	54.33·3	52.10·2	56.47·0	51·0		F.
September	1. 9	55.37·5	50.54·5	53.18·8	53.14·7	54.28·8	54.27·8	52.13·5	56.46·3	52·7	53·1	F.
	28. 8	55.34·7	50.49·7	53.33·8	53. 6·7	54.26·7	54.37·2	52.10·8	56.47·7	53·4		F.
October	1. 9	55.35·0	50.44·5	53.12·7	53.10·5	54.29·8	54.43·3	52. 2·0	57. 3·3	52·6	51·8	F.
	28. 8	55.37·0	50.42·3	53.12·8	53.10·3	54.27·3	54.43·3	52. 4·0	56.51·2	51·0		F.
November	3. 8	55.36·3	50.39·7	53.14·0	53. 5·7	54.19·3	54.43·2	52. 9·5	56.55·7	50·4	47·3	F.
	28. 9	55.40·0	50.27·5	53.22·8	52.41·0	54.18·3	54.30·2	52.14·2	56.40·3	44·3		F.
December	3. 9	55.40·7	50.54·3	53.25·2	53.17·3	54.18·8	54.35·2	51.57·2	56.58·7	53·4	51·3	F.
	28. 9	55.45·8	50.48·7	53.19·5	53. 2·8	54.17·3	54.28·8	52. 8·0	56.43·5	49·3		F.

NEEDLE No. 2.

		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	53° ′	53° ′	
January	d h 8. 9	54.47·7	52.57·3	52.56·0	54.43·2	54.51·0	52.48·5	52.49·3	54.50·2	50·4	50·2	F.
	24.14	54.52·8	52.56·0	52.58·7	54.43·8	54.49·5	52.52·0	52.50·7	54.36·7	50·0		F.
February	6. 9	54.50·3	52.54·8	53. 2·3	54.41·7	54.50·5	52.48·5	52.46·3	54.45·7	50·0	50·8	F.
	24. 9	54.52·8	52.54·3	52.55·8	54.46·3	54.56·3	52.49·8	52.47·2	54.50·0	51·6		F.
March	6. 9	54.54·7	52.51·7	52.59·7	54.48·7	54.53·2	52.55·2	52.46·5	54.50·0	52·4	50·8	F.
	24.13	54.41·3	52.56·0	52.53·7	54.46·0	54.45·3	52.56·2	52.48·2	54.47·7	49·3		F.
April	6.10	54.47·0	52.56·0	52.56·5	54.48·5	54.53·3	52.53·8	52.44·0	54.52·7	51·5	50·8	F.
	24. 9	54.42·5	53. 1·8	52.49·5	54.52·2	54.52·2	52.50·0	52.46·7	54.46·7	50·2		F.
May	7. 9	54.41·8	52.58·5	52.54·3	54.40·2	54.56·5	52.48·7	52.48·3	54.41·8	48·8	49·9	F.
	25. 9	54.52·2	52.55·5	53. 0·8	54.38·3	54.55·8	52.49·2	52.49·8	54.46·8	51·1		F.
June	6. 9	54.48·2	52.59·2	52.58·8	54.44·5	54.51·8	52.50·3	52.50·7	54.47·2	51·3	50·0	F.
	23.12	54.44·8	52.56·8	52.54·7	54.45·2	54.54·5	52.43·7	52.49·2	54.40·5	48·7		F.
July	7. 9	54.47·3	52.56·8	53. 0·0	54.42·3	54.58·2	52.52·7	52.57·0	54.42·8	52·1	50·7	F.
	24.14	54.40·8	53. 1·5	52.49·8	54.46·2	54.52·7	52.47·0	52.57·0	54.39·7	49·3		F.
August	6. 9	54.45·3	52.56·7	52.59·7	54.39·3	54.41·7	52.56·2	52.54·8	54.50·5	50·5	47·6	F.
	24.14	54.37·5	52.59·5	52.50·7	54.42·2	54.46·7	52.43·3	52.39·3	54.39·3	44·8		F.
September	6.13	54.42·2	52.55·0	52.56·3	54.40·7	54.50·2	52.48·3	52.46·0	54.41·3	47·5	48·3	F.
	25. 9	54.49·2	52.57·5	52.59·2	54.37·8	54.53·8	52.45·5	52.44·7	54.44·8	49·1		F.
October	6. 8	54.47·0	52.55·7	53. 1·8	54.37·0	54.52·2	52.39·3	52.41·8	54.44·3	47·4	46·6	F.
	24. 8	54.41·0	53. 0·3	52.54·3	54.41·3	54.45·2	52.41·0	52.42·5	54.41·3	45·9		F.
November	6. 9	54.41·8	52.58·3	52.55·7	54.41·7	54.46·8	52.42·5	52.44·7	54.44·3	47·0	46·9	F.
	24. 9	54.44·8	52.57·3	52.55·8	54.44·3	54.46·5	52.43·8	52.43·0	54.39·2	46·8		F.
December	6. 9	54.40·2	52.58·8	52.53·8	54.45·5	54.45·8	52.35·2	52.36·2	54.42·7	44·8	47·0	F.
	24. 9	54.45·8	52.59·8	52.57·2	54.48·3	54.49·3	52.50·0	52.37·7	54.45·8	49·3		F.

The initial F. is that of Mr. Figon.

RESULTS of OBSERVATIONS of MAGNETIC DIP made in the MAGNETIC PAVILION in the YEAR 1906.

NEEDLE No. 3.

Mauritius Civil Time, 1906.		Poles Direct (A dipping). Face of Needle to Face of Instrument. Face of Instrument. East.	Poles Direct (A dipping). Face of Needle to Face of Instrument. Face of Instrument. West.	Poles Direct (A dipping). Face of Needle to Back of Instrument. Face of Instrument. West.	Poles Direct (A dipping). Face of Needle to Back of Instrument. Face of Instrument. East.	Poles Reversed (B dipping). Face of Needle to Face of Instrument. Face of Instrument. East.	Poles Reversed (B dipping). Face of Needle to Face of Instrument. Face of Instrument. West.	Poles Reversed (B dipping). Face of Needle to Back of Instrument. Face of Instrument. West.	Poles Reversed (B dipping). Face of Needle to Back of Instrument. Face of Instrument. East.	Means.	Monthly Means.	Observer.
		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	53° ′	53° ′	
January	d h 11.15	56.30·8	51.33·0	54.31·8	53.38·5	53.22·5	54.11·5	51.30·7	56. 4·3	55·4	56·4	F.
	20. 9	56.31·8	51.38·7	54.35·2	53.40·0	53.22·5	54.15·5	51.28·8	56. 6·8	57·4		F.
February	10. 9	56.29·8	51.34·0	54.37·2	53.39·3	53. 1·8	54.15·2	51.29·7	55.58·5	53·2	56·0	F.
	21. 9	56.28·8	51.43·0	54.33·8	53.46·0	53.21·8	54.23·7	51.24·3	56. 9·0	58·8		F.
March	12. 9	56.31·2	51.35·5	54.34·7	53.38·8	53.28·8	54.17·3	51.36·3	55.59·7	57·8	57·6	F.
	20. 9	56.24·8	51.45·2	54.29·3	53.41·0	53.26·8	54.15·8	51.37·0	53.59·5	57·4		F.
April	10. 9	56.26·2	51.46·3	54.34·2	53.45·8	53.21·8	54.18·7	51.33·8	56. 6·8	59·2	57·1	F.
	20. 9	56.25·0	51.44·8	54.26·8	53.44·7	53.11·2	54.21·7	51.11·0	56.16·0	55·1		F.
May	10. 9	56.25·7	51.34·3	54.33·0	53.35·8	53.20·5	54.12·2	51.30·7	55.58·5	53·8	54·8	F.
	21.12	56.28·0	51.41·8	54.32·0	53.35·2	53.24·2	54.13·2	51.33·5	55.59·2	55·9		F.
June	9. 9	56.26·8	51.35·3	54.32·3	53.39·3	53.21·8	54. 8·7	51.34·2	55.52·7	53·9	54·0	F.
	20. 9	56.21·7	51.43·0	54.29·8	53.39·0	53.17·7	54.11·3	51.28·3	56. 1·7	54·1		F.
July	10. 9	56.16·7	51.41·2	54.27·0	53.38·7	53.17·2	54. 8·7	51.30·7	55.57·7	52·2	52·1	F.
	20. 9	56.19·5	51.35·0	54.31·2	53.33·0	53.22·8	54. 7·5	51.33·5	55.54·3	52·1		F.
August	10. 9	56.16·5	51.45·8	54.32·2	53.27·0	53.17·0	54.15·0	51.30·0	55.54·8	52·3	53·7	F.
	20.12	56.11·7	51.53·2	54.26·7	53.42·2	53.23·3	54.11·3	51.37·5	55.55·3	55·1		F.
September	11. 8	56.12·7	51.45·0	54.23·8	53.40·5	53.17·8	54.15·7	51.30·3	55.58·8	53·1	52·2	F.
	20. 9	56.16·7	51.41·0	54.28·5	53.36·3	53.20·5	54. 6·5	51.28·7	55.53·0	51·4		F.
October	10. 8	56.16·5	51.40·5	54.27·5	53.33·3	53.23·2	54. 8·8	51.32·3	55.52·7	51·8	51·2	F.
	20. 9	56.12·0	51.52·7	54.24·2	53.35·2	53.14·0	54. 8·5	51.29·2	55.49·8	50·7		F.
November	10. 9	56.14·8	51.48·2	54.26·7	53.32·5	53.23·2	54. 6·2	51.34·0	55.47·8	51·7	51·7	F.
	20. 9	56.18·7	51.36·3	54.34·8	53.25·2	53.21·7	54.11·3	51.33·8	55.50·7	51·6		F.
December	11. 9	56.11·8	51.45·8	54.29·7	53.28·7	53.18·8	54.17·7	51.25·0	55.57·0	51·8	51·0	F.
	21.10	56.25·5	51.40·7	54.37·5	53.24·8	53.10·0	54. 7·5	51.21·3	55.54·5	50·2		F.

NEEDLE No. 4.

		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	53° ′	53° ′	
January	d h 15.14	54.59·3	51.54·8	52.51·3	54. 6·3	55. 8·3	54. 6·2	53. 4·8	56. 7·0	62·3	60·1	F.
	18.13	54.42·5	51.41·7	52.35·5	54. 7·7	55. 7·5	54. 5·7	53.12·0	56.11·2	58·0		F.
February	14. 9	54.51·5	51 54·2	52.48·3	54.16·7	55.10·7	54. 4·0	53. 6·0	56.11·0	62·8	60·3	F.
	17.13	54.54·8	51.38·5	52.42·2	53.54·5	55. 9·7	54.12·2	53. 6·0	56. 4·7	57·8		F.
March	14. 9	54.48·3	51.46·0	52.42·0	53.54·3	55.15·8	53.58·3	53.11·7	56. 4·3	57·6	57·8	F.
	17.12	54.52·7	51.54·2	52.41·0	53.48·7	55. 8·5	54. 4·3	53. 5·0	56.10·3	58·1		F.
April	14. 9	54.42·5	51.32·7	52.39·5	53.47·3	55. 9·3	53.59·8	53.12·7	56. 6·8	53·8	52·9	F.
	17.14	54.41·3	51.33·2	52.46·5	53.38·7	55. 4·3	54. 2·2	53. 3·8	56. 5·2	51·9		F.
May	14. 9	54.38·7	51.43·3	52.32·2	53.41·8	55. 7·8	53.57·5	53. 9·8	56. 4·7	52·0	53·0	F.
	17. 9	54.36·3	51.39·7	52.38·5	53.51·3	55. 6·3	54. 5·2	53. 3·3	56.11·5	54·0		F.
June	13. 9	54.45·0	51.39·7	52.35·2	53.38·0	55. 4·8	54. 7·0	53. 5·2	56.11·3	53·3	52·5	F.
	16. 9	54.39·2	51.40·8	52.30·0	53.42·0	55. 8·0	54. 0·7	53. 7·8	56. 4·8	51·7		F.
July	14. 9	54.42·5	51.42·7	52.42·8	53.32·3	55. 2·7	54. 1·8	53. 7·5	56. 6·0	52·3	52·4	F.
	17. 9	54.33·5	51.49·5	52.31·7	53.41·8	55.13·3	53.55·0	53.12·0	56. 3·5	52·5		F.
August	14. 9	54.37·2	51.52·3	52.38·0	53.42·0	55.12·5	53.59·8	53.12·7	56. 3·8	54·8	52·9	F.
	17.15	54.37·7	51.40·5	52.36·2	53.39·7	55. 7·2	53.54·7	53.10·2	56. 1·0	50·9		F.
September	14.13	54.42·0	51.50·3	52.31·2	53.35·3	55. 5·7	54. 5·2	53. 3·8	56. 5·8	52·4	52·1	F.
	17. 9	54.35·3	51.45·2	52.33·5	53.41·2	55. 6·7	54. 3·7	53. 3·7	56. 6·2	51·9		F.
October	15. 8	54.41·5	51.47·0	52.36·5	53.44·2	55. 2·7	54. 4·8	53. 5·8	56. 8·7	53·9	53·1	F.
	17. 9	54.44·0	51.41·8	52.37·3	53.44·3	53. 3·5	53.57·5	53. 6·3	56. 3·5	52·3		F.
November	14. 9	54.43·8	51.50·8	52.40·2	53.30·2	55. 4·5	53.59·2	53.10·0	56. 0·0	52·3	51·8	F.
	17. 9	54.36·8	51.49·2	52.34·5	53.34·0	55.13·0	53.55·2	53.13·5	55.55·3	51·4		F.
December	14. 9	54.42·2	51.40·3	52.37·5	54. 2·5	55. 2·7	53.59·2	53. 3·0	55.58·2	53·2	54·9	F.
	18.10	54.45·0	51.43·5	52.37·3	53.59·5	55.16·8	53.59·3	53. 9·5	56. 2·5	56·7		F.

The initial F. is that of Mr. Figon.

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
Jan. 1	9.11·0	·23573	57	19	..	82·2
2	..	..	..	..	..	82·3
3	..	..	..	..	..	82·6
4	9.11·1	571	38	18	8	83·0
5	9.11·5	570	33	35	6	83·1
6	9.10·5	573	43	48	6	82·9
7	9.11·2	572	48	15	6	82·8
8	9.11·3	569	37	44	11	82·7
9	9.10·9	570	37	33	11	82·7
10	9.10·9	569	76	17	17	82·9
11	9.10·9	572	70	26	9	83·0
12	9.11·3	563	75	14	22	82·8
13	9.10·7	569	102	30	19	83·1
14	9.11·4	564	108	36	9	83·2
15	9.11·0	567	124	39	24	83·4
16	9.10·4	559	126	17	24	83·4
17	9.11·3	569	93	41	28	83·4
18	9.10·5	..	68	..	..	83·5
19	9.10·6	567	57	90	..	83·5
20	9.10·5	534	39	36	13	83·5
21	9.11·0	541	14	42	8	83·6
22	9.11·1	543	46	29	21	83·8
23	9.11·3	559	59	43	18	83·7
24	9.10·5	552	94	36	22	83·8
25	9.10·6	550	107	22	..	84·0
26	9.11·0	548	41	19	12	83·8
27	9.10·8	551	71	31	13	83·5
28	9.11·3	539	50	22	17	83·4
29	9.11·3	543	59	19	12	83·5
30	9.11·4	551	89	32	16	83·7
31	9.10·6	523	103	89	..	83·7
Mean -	9.10·96	·23558	67·7	33·6	14·7	83·2

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
Feb. 1	9.11·3	·23524	76	..	..	83·9
2	9.10·6	522	55	41	..	84·1
3	9.10·5	528	58	30	..	84·0
4	9.10·1	528	49	23	..	83·9
5	9.10·6	529	61	36	..	84·2
6	..	527	..	66	..	84·5
7	9. 9·9	520	107	21	..	84·4
8	9. 9·8	528	97	39	..	84·5
9	9.10·8	535	97	18	..	84·7
10	9. 9·8	530	121	21	..	84·7
11	9.10·8	526	84	25	..	85·2
12	..	..	..	..	..	85·1
13	..	..	..	..	..	85·4
14	9.11·1	536	98	30	..	85·5
15	9.11·1	530	117	..	34	85·5
16	9.10·5	521	28	38	12	85·5
17	9.10·7	534	70	37	15	85·5
18	9.10·6	544	77	36	23	85·3
19	9.10·7	521	29	..	10	85·2
20	9.11·1	516	67	52	12	85·2
21	9.11·1	530	91	33	26	85·1
22	9.11·0	538	119	22	31	85·0
23	9.11·4	537	98	25	31	84·9
24	9.11·2	526	88	..	24	84·5
25	9.11·3	497	78	..	11	84·3
26	9.11·5	506	85	..	16	84·2
27	9.10·7	517	89	19	..	84·4
28	9.11·3	507	92	..	..	84·4
Mean -	9.10·78	·23525	81·2	32·2	20·4	84·8

MAGNETIC DISTURBANCES.

January	$13^d.\ 6^h.20^m$		Sudden increase in H.F. (8).
	$20^d.\ 4^h$	to 12^h	Anomalous fluctuations in V.F.; also from $21^d.5^h$ to 14^h.
	$21^d.23\frac{1}{4}^h$	to 24^h	Wave in H.F. (+11); in Dec. (+5).
	$22^d.10^h$	to $10\frac{1}{2}^h$	Wave in H.F. (+8); in Dec. (+4).
	$27^d.\ 2\frac{3}{4}^h$	to 4^h	Irregular wave in H.F. (+9).
	$31^d.13\frac{1}{2}^h$	to February $1^d.2^h$	Wave in H.F. (−90), followed till $1^d.3\frac{1}{2}^h$ by a decrease in H.F. (28). $1^d.1\frac{3}{4}^h$ to $3\frac{1}{2}^h$, wave in Dec. (−30).
February	$1^d.13\frac{1}{2}^h$	to $17\frac{1}{2}^h$	Wave in H.F. (−35).
	$4^d.10^h$	to 15^h	Small fluctuations in H.F.
	$8^d.\ 1^h$	to 4^h	Occasional small fluctuations in H.F.
	$15^d.13\frac{1}{2}^h$	to $16^d.8^h$	Wave in H.F. (−80), with small superposed fluctuations. $15^d.20^h$ to 21^h, wave in Dec. (+20).
	$19^d.\ 2^h.21^m$		Sudden increase in H.F. (12), followed till 4^h and from 12^h to 15^h by small fluctuations. $19^d.17^h$ to $20^d.7^h$, wave in H.F. (−78) with superposed fluctuations. $19^d.3^h$ to 4^h, wave in Dec. (−20), followed till 23^h by small fluctuations; also in V.F.
	$23^d.12\frac{1}{4}^h$		Sudden decrease in H.F. (19).
	$24^d.12^h$	to $25^d.5^h$	Wave in H.F. (−99), with minor superposed wave $25^d.1\frac{1}{4}^h$ to 3^h (+47). $24^d.17^h$ to $25^d.11^h$, occasional small fluctuations in Dec., with wave from $25^d.4\frac{1}{2}^h$ to $5\frac{1}{2}^h$ (−30).
	$26^d.\ 4^h$	to $6\frac{1}{2}^h$	Wave in H.F. (+40); in Dec. (−25). $8\frac{1}{2}^h$ to $13\frac{1}{4}^h$, wave in H.F. (−48). 10^h to 12^h, wave in Dec. (−25). 22^h to 24^h, wave in H.F. (+23). $27^d.2^h$ to 3^h, wave in H.F. (+19); occasional small fluctuations in V.F.

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0′·1.

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.	Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurna Range of Declination (0′·1).	Diurna Range of Horizontal Force (·00001 C.G.S. Unit).	Diurna Range of Vertical Force (.00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°		° ′					°
March 1	9.10·6	·23518	68	30	29	84·6	April 1	9.10·4	·23535	83	39	..	82·5
2	9.11·2	525	80	25	14	84·7	2	9.11·1	534	77	32	17	82·2
3	9.10·6	532	95	19	27	84·8	3	9.10·1	545	70	42	10	82·4
4	9.10·2	537	55	..	12	85·1	4	9.10·9	527	80	24	20	82·3
5	9.10·3	522	48	32	..	84·9	5	9.11·4	526	72	19	23	82·6
6	9.10·9	527	60	19	..	84·8	6	9.10·9	531	79	24	30	82·6
7	9.11·1	531	72	45	..	84·6	7	9.11·1	534	71	30	23	83·0
8	9.11·0	529	50	27	..	84·5	8	9.11·6	545	81	22	29	83·0
9	9.11·2	528	63	35	24	84·4	9	9.10·5	525	90	55	21	83·3
10	9.11·8	529	55	16	24	84·5	10	9.11·2	515	58	24	10	83·4
11	9.11·0	535	100	21	30	84·5	11	9.10·5	505	50	36	16	83·7
12	9.11·7	538	76	22	23	84·0	12	9.10·6	517	77	14	..	83·5
13	9.11·4	539	98	40	23	83·9	13	9.10·4	527	90	22	25	83·0
14	9.11·6	526	88	19	14	83·9	14	9.11·2	524	72	9	19	82·6
15	9.11·6	523	74	32	..	83·9	15	9.11·1	535	86	21	20	82·8
16	9.11·0	527	93	16	28	83·7	16	9.10·9	533	78	27	17	81·1
17	9.11·2	532	80	34	25	83·7	17	9.11·0	534	78	20	..	81·0
18	9.11·1	530	63	24	7	83·4	18	9.11·2	535	88	31	10	80·9
19	9.11·1	530	81	19	29	83·4	19	9.10·8	534	73	51	22	80·9
20	9.11·2	538	80	46	27	83·7	20	9.10·6	534	42	34	20	81·1
21	9.11·1	541	64	19	21	83·5	21	9.11·1	534	70	54	18	80·9
22	9.11·5	541	78	32	22	83·6	22	9.11·4	530	78	29	23	80·7
23	9.11·7	531	82	11	..	83·4	23	9.11·6	517	78	34	..	80·6
24	9.11·0	535	68	41	27	83·3	24	9.10·9	511	92	67	..	80·4
25	9.10·3	513	58	..	17	83·0	25	9.11·0	514	80	31	..	80·2
26	9.10·7	521	75	41	..	82·8	26	9.11·0	519	90	16	..	80·3
27	9.11·0	517	106	16	23	83·1	27	9.11·6	521	90	23	..	80·0
28	9.10·2	521	126	21	35	82·8	28	9.11·6	526	79	35	..	79·8
29	9.10·5	522	80	36	22	82·8	29	9.10·6	529	65	31	..	80·0
30	9.11·0	530	56	41	9	82·8	30	9.10·8	524	73	29	..	79·6
31	9.11·1	528	66	28	23	82·7							
Mean -	9.11·03	·23529	75·4	27·8	22·3	83·8	Mean -	9.10·97	·23527	76·3	30·8	19·6	81·7

MAGNETIC DISTURBANCES.

February	$28^d.\ 0\frac{1}{2}^h$ to 5^h	Two successive waves in H.F. (+ 18 and + 17). $14\frac{1}{2}^h$ to March $1^d.5^h$, wave in H.F. (− 62), with minor superposed waves $28^d.19\frac{1}{2}^h$ to 21^h (+ 31), $28^d.23^h$ to $23\frac{3}{4}^h$ (− 22), March $1^d.1\frac{1}{2}^h$ to $2\frac{1}{2}^h$ (+ 19), and $4\frac{1}{2}^h$ to $6\frac{1}{2}^h$ (+ 12), with corresponding waves in Dec. (+ 20), (+ 11), (− 21), and (− 22). Small fluctuations in V.F. from $28^d.22^h$ to $1^d.14^h$.
March	$4^d.\ 3^h.8^m$	Sudden increase in H.F. (16), followed till 18^h in both H.F. and V.F. by small fluctuations. 22^h to $23\frac{3}{4}^h$, [wave in H.F. (− 20).
	$5^d.18\frac{3}{4}^h$ to $19\frac{1}{2}^h$	Wave in H.F. (+ 18).
	$7^d.23\frac{3}{4}^h$ to $8^d.0\frac{3}{4}^h$	Wave in H.F. (+ 12).
	$9^d.\ 0\frac{1}{2}^h$ to 3^h	Wave in H.F. (+ 21).
	$14^d.23^h$ to $15^d.3\frac{1}{2}^h$	Wave in H.F. (− 31).
	$17^d.18^h$ to $18^d.17^h$	Undulations in H.F. (± 6). $18^d.7\frac{1}{2}^h$ to 8^h, wave in Dec. (− 15).
	$25^d.\ 1^h$ to 3^h	Wave in H.F. (+ 22), in Dec. (− 15). Anomalous fluctuations in V.F. from $25^d.7^h$ to 23^h and from $26^d.12^h$ to 23^h.
	$28^d.\ 5\frac{1}{2}^h$ to 7^h	Wave in H.F. (+ 16), in Dec. (− 11). $29^d.13^h$ to $30^d.10^h$, anomalous fluctuations in V.F.
April	$2^d.20\frac{1}{2}^h$	Increase in H.F. (10), followed till $22\frac{1}{2}^h$ by small fluctuations. $3^d.2^h$ to $3\frac{1}{2}^h$, double wave in H.F. (− 8 to + 9). $3^d.6\frac{1}{4}^h$ to 7^h, increase in H.F. (30). $3^d.16^h$ to $4^d.6^h$, small fluctuations in H.F. and V.F. $3^d.6^h$ to 9^h, small fluctuations in Dec.
	$4^d.23\frac{1}{2}^h$ to $5^d.1^h$	Wave in H.F. (+ 17).
	$8^d.\ 8\frac{1}{2}^h$ to $9^d.3^h$	Small fluctuations in H.F.
	$10^d.\ 0^h$ to $1\frac{1}{2}^h$	Wave in H.F. (+ 16).
	$10^d.23^h$ to $11^d.1\frac{1}{2}^h$	Wave in H.F. (+ 17).
	$11^d.23\frac{1}{2}^h$ to $12^d.0\frac{1}{2}^h$	Wave in H.F. (+ 10).
	$13^d.11^h$ to 20^h	Small fluctuations in H.F.

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0′·1.

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
May 1	9.11·1	·23523	61	27	..	79·7
2	9.11·7	528	69	30	..	79·8
3	9.11·6	530	61	22	..	79·9
4	9.11·7	534	70	13	..	79·9
5	9.11·8	536	70	17	..	80·3
6	9.12·5	537	70	19	..	79·9
7	9.12·3	546	61	23	..	79·8
8	9.12·9	544	70	32	25	79·6
9	9.12·7	526	50	..	34	79·6
10	9.13·0	531	60	30	22	79·6
11	9.13·2	538	59	32	29	79·4
12	9.12·5	540	55	26	21	78·8
13	9.12·9	540	75	16	18	78·3
14	9.12·6	551	50	34	14	78·3
15	9.11·7	518	73	..	3	78·6
16	9.12·1	514	38	66	6	78·4
17	9.13·3	516	81	20	22	78·4
18	9.13·2	525	65	20	15	78·2
19	9.12·1	530	45	21	24	78·4
20	9.12·4	518	38	46	12	78·3
21	9.13·0	523	50	45	14	78·3
22	9.13·0	525	36	33	21	78·1
23	9.13·2	526	52	32	23	78·1
24	9.13·1	532	68	21	24	78·2
25	9.12·4	534	45	36	19	78·4
26	9.13·1	533	42	15	17	78·1
27	9.12·8	542	42	25	17	78·2
28	9.12·6	537	46	26	9	78·3
29	9.12·2	538	65	19	16	78·3
30	9.12·6	540	68	30	15	78·6
31	9.12·9	538	41	23	11	78·6
Mean -	9.12·52	·23532	57·3	27·6	18·0	78·9

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
June 1	9.12·7	·23545	42	23	9	78·5
2	9.12·4	505	51	..	16	78·4
3	9.13·2	518	45	47	12	78·1
4	9.12·2	525	49	37	26	78·0
5	9.13·0	524	49	31	..	77·9
6	9.12·9	526	42	12	27	77·9
7	9.12·7	530	52	21	19	77·7
8	9.12·1	531	59	34	15	77·6
9	9.12·2	527	49	39	14	77·6
10	9.12·9	534	61	24	18	77·7
11	9.12·8	540	57	20	..	77·9
12	9.12·8	531	32	36	22	77·7
13	9.12·8	543	41	40	13	77·5
14	9.12·8	546	35	36	12	77·5
15	9.13·0	536	49	21	15	76·9
16	9.12·6	543	32	40	23	76·8
17	9.12·8	533	40	38	16	76·7
18	9.12·8	538	41	34	..	76·6
19	9.13·1	535	31	20	15	76·6
20	9.13·3	533	56	17	19	76·3
21	9.13·1	537	35	10	13	75·8
22	9.13·3	539	39	15	18	75·6
23	9.13·3	543	22	17	9	75·5
24	9.13·7	545	39	19	..	75·4
25	9.13·2	543	30	24	..	75·2
26	9.13·2	538	60	39	14	75·0
27	9.13·0	539	60	11	26	75·4
28	9.13·2	539	48	24	11	75·1
29	9.13·7	..	31	..	..	75·0
30	9.13·8	..	45	..	..	74·6
Mean -	9.12·95	·23534	44·1	27·0	16·6	76·7

MAGNETIC DISTURBANCES.

April $14^d.10^h$ to $15^d.0^h$	Small fluctuations in H.F. and V.F., followed by a wave in H.F. from $15^d.0\frac{1}{2}^h$ to 2^h (+10).
$22^d.23\frac{1}{4}^h$ to $23^d.0\frac{1}{2}^h$	Wave in H.F. (+20).
$23^d.19^h$ to 20^h	Wave in H.F. (−18): in Dec. (+8). $23^d.23\frac{1}{2}^h$ to $24^d.0\frac{3}{4}^h$, wave in H.F. (+15). $24^d.14^h$ to 18^h, wave in H.F. (−29). $24^d.23\frac{1}{2}^h$ to $24^d.0\frac{1}{2}^h$, wave in H.F. (+12); in Dec. (+22).
$26^d.1^h$ to 3^h	Wave in H.F. (+10).
$28^d.17^h.25^m$	Sudden increase in H.F. (15); in Dec. (9), followed in H.F. by occasional fluctuations (± 10) till $29^d.14^h$, with double wave $28^d.22^h$ to $29^d.0\frac{1}{2}^h$ (−27 to +25). $28^d.23\frac{1}{2}^h$ to $29^d.0\frac{1}{2}^h$, wave in Dec. (+22). $29^d.3^h$ to 4^h, wave in H.F. (+26); in Dec. (−25). $29^d.5^h.45^m$, sudden decrease in H.F. (11) and increase in Dec. (18). $29^d.6^h$ to $8\frac{1}{2}^h$, wave in H.F. (+20); in Dec. (−30).
May $1^d.0\frac{3}{4}^h$ to 1^h	Increase in H.F. (10).
$6^d.18^h$ to $7^d.1^h$	Small fluctuations in H.F., followed by a sharp decrease (12) at $3\frac{1}{2}^h$.
$9^d.0^h$ to 4^h	Small fluctuations in H.F. and Dec., with wave in H.F. from $1\frac{1}{2}^h$ to $2\frac{1}{4}^h$ (+32).
$14^d.0\frac{1}{2}^h$	Sudden increase in H.F. (16). $12\frac{3}{4}^h$, sudden increase in H.F. (21), followed by a shallow wave from 14^h to $16\frac{1}{2}^h$ (−40). Small fluctuations till 23^h.
$15^d.10^h.0^m$	Sudden increase in H.F. (11), followed till $13\frac{1}{2}^h$ by a gradual decrease (92), and a wave (−40) from $15\frac{3}{4}^h$ to 18^h. Small fluctuations in Dec.
16^d	Accentuated diurnal variation in H.F.
$19^d.0^h$ to $1\frac{1}{2}^h$	Double wave in H.F. (−3 to +9). $19^d.21^h$ to $22\frac{1}{2}^h$, wave in H.F. (+17); in Dec. (+10). $20^d.1\frac{1}{2}^h$ to $1\frac{3}{4}^h$, increase in H.F. (6). $20^d.7^h$ to $11\frac{1}{4}^h$, wave in H.F. (+32). $21^d.0^h$ to 2^h, wave in H.F. (+32); in Dec. (−22).
$23^d.0\frac{1}{4}^h$	Sharp increase in H.F. (9).
$24^d.10\frac{1}{2}^h$	Sharp increase in H.F. (9).
$25^d.0\frac{1}{4}^h$	Sharp increase in H.F. (10).
$27^d.21\frac{1}{2}^h$ to $23\frac{1}{4}^h$	Gradual decrease in H.F. (20), followed by a wave from $23\frac{1}{2}^h$ to $28^d.0\frac{1}{2}^h$ (+20).
June $1^d.15^h$ to $2^d.2^h$	Occasional small fluctuations in H.F. $2^d.12^h$ to $3^d.1^h$, wave in H.F. (−90), with sharp superposed wave from $2^d.23\frac{1}{2}^h$ to $23\frac{3}{4}^d$ (+17). $2^d.21^h$ to $3^d.3\frac{1}{2}^h$, small fluctuations.
$3^d.11^h$ to 18^h	Small fluctuations in H.F. $4^d.6\frac{1}{2}^h$ to $8\frac{1}{2}^h$, double-crested wave in H.F. (+32). $4^d.17^h$ to $5^d.4^h$, small fluctuations in H.F.
$8^d.14^h$ to 16^h	Wave in H.F. (−20). 21^h to 22^h, wave in H.F. (+14).
$11^d.16^h$ to 20^h	Wave in H.F. (−20).
$13^d.9^h$ to 12^h	Small fluctuations in H.F.
$15^d.16^h$ to 19^h	Wave in H.F. (+12), followed till $17^d.2^h$ by occasional small fluctuations.
17^d	Accentuated diurnal variation in H.F.
$26^d.16^h$ to 22^h	Occasional small fluctuations in H.F.

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0′·1.

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0'·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
July 1	9.14·1	..	43	..	..	74·6
2	9.14·0	..	35	..	..	74·4
3	9.13·7	..	33	..	..	74·3
4	9.13·7	·23535	40	25	22	74·4
5	9.13·9	524	40	56	14	74·2
6	9.13·1	514	29	43	7	74·4
7	9.13·9	524	30	32	22	74·4
8	9.13·8	526	51	19	16	74·6
9	9.13·8	534	60	34	25	74·8
10	9.13·4	539	40	49	20	75·0
11	9.13·8	534	39	..	15	74·8
12	9.13·8	507	40	..	16	75·1
13	9.13·9	520	50	33	19	75·1
14	9.14·2	520	30	19	14	75·0
15	9.13·9	523	57	21	16	75·1
16	9.13·5	522	50	28	13	75·3
17	9.13·9	530	60	38	16	75·3
18	9.14·1	530	50	20	20	75·4
19	9.14·3	532	40	22	..	75·4
20	9.13·8	539	59	39	28	75·4
21	9.13·9	536	40	..	24	75·4
22	9.14·1	529	60	27	24	75·6
23	9.14·1	539	31	39	19	75·9
24	9.14·2	532	16	31	18	75·5
25	9.14·0	534	35	28	..	75·1
26	9.14·3	533	39	22	18	75·4
27	9.13·8	519	50	48	16	74·6
28	9.14·2	523	40	39	14	74·6
29	9.13·8	527	31	34	14	74·4
30	9.14·4	528	35	..	18	74·5
31	9.13·3	519	50	26	16	74·5
Mean	9.13·89	·23528	42·0	32·2	17·8	74·9

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0'·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°
August 1	9.13·9	·23524	41	31	..	74·6
2	9.13·8	525	50	35	18	74·4
3	9.13·9	528	60	28	20	74·8
4	9.14·2	527	69	18	31	74·9
5	9.14·1	533	60	26	23	74·9
6	9.14·1	532	89	17	31	74·8
7	9.13·9	533	59	..	27	75·1
8	9.13·6	511	51	..	22	75·1
9	9.14·0	516	50	25	13	75·2
10	9.14·2	518	40	20	18	75·2
11	9.14·3	524	31	19	15	75·5
12	..	516	..	..	22	75·5
13	9.12·4	511	34	..	15	75·4
14	..	512	..	30	17	75·4
15	9.14·7	517	19	42	23	74·9
16	9.13·8	515	57	27	30	74·5
17	9.14·2	519	79	26	27	74·4
18	9.15·3	523	66	18	22	74·6
19	..	524	..	18	18	74·2
20	9.13·6	517	82	31	40	73·9
21	..	524	..	20	22	74·2
22	9.13·3	522	60	28	..	73·9
23	9.13·7	527	49	20	26	74·1
24	9.14·0	532	80	28	30	74·3
25	9.13·9	537	42	34	11	74·6
26	..	..	..	..	21	74·5
27	9.13·9	525	79	54	18	74·3
28	9.14·0	518	90	25	25	74·4
29	9.13·8	519	96	30	46	74·6
30	9.13·4	..	53	..	14	74·8
31	9.13·3	..	65	..	32	74·7
Mean	9.13·90	·23522	59·3	27·1	23·3	74·7

MAGNETIC DISTURBANCES.

July	$6^d.\ 0\frac{1}{2}^h$ to 2^h	Wave in H.F. (+22); in Dec. (−6).
	$6^d.23\frac{1}{2}^h$ to $7^d.0\frac{1}{2}^h$	Wave in H.F. (+14).
	$10^d.\ 5\frac{3}{4}^h$ to 14^h	Two successive waves in H.F. (+39 and +30); in V.F. small fluctuations.
	$11^d.\ 6^h$ to $12^d.6^h$	*See* Plate I.
	$13^d.13^h.25^m$	Sudden increase in H.F. (12). 1^h to 2^h, wave in Dec. (−22).
	$20^d.12^h$ to 19^h	Double wave in H.F. (+17 to −15).
	21^d	Accentuated diurnal variation in H.F.
	$23^d.12\frac{1}{4}^h$ to 14^h	Wave in H.F. (+17), steep at commencement, followed till $24^d.4^h$ by occasional small fluctuations.
	$26^d.13^h$ to 15^h	Wave in H.F. (+15), steep at commencement and at end.
	$29^d.17\frac{1}{4}^h$ to $17\frac{3}{4}^h$	Wave in H.F. (+20). $23^h.43^m$, sudden increase in H.F. (21), followed till $30^d.14^h$ by unusually rapid fluctuations. $30^d.2\frac{3}{4}^h$ to 3^h, sharp wave in H.F. (+40). $5^h.40^m$, sudden increase in H.F. (37). Rapid fluctuations in V.F. and Dec.
	$30^d.23\frac{1}{2}^h$ to $31^d.1^h$	Wave in H.F. (+20).
August	$4^d.\ 0\frac{1}{4}^h$ to $1\frac{1}{4}^h$	Wave in H.F. (+13).
	$7^d.14^h$ to $8^d.14^h$	*See* Plate I.
	$8^d.20\frac{1}{2}^h$ to $22\frac{1}{2}^h$	Wave in H.F. (+28). $9^d.2\frac{1}{2}^h$ to 3^h, increase in H.F. (23); wave in Dec. (−30).
	$10^d.\ 3^h$ to $3\frac{1}{2}^h$	Increase in H.F. (13). 3^h to 4^h, wave in Dec. (−25).
	$11^d.16^h$ to 22^h	Frequent small rapid fluctuations in H.F.
	$12^d.11\frac{1}{2}^h$ to 20^h	General decrease in H.F. (86), with superposed fluctuations from 14^h to 15^h (±10). $21\frac{1}{4}^h$ to 22^h, increase in H.F. (32). $13^d.2^h$ to 3^h, wave in H.F. (+20). $7\frac{3}{4}^h$ to 10^h, wave in H.F. (+28). $13^d.23\frac{1}{2}^h$ to $14^d.1^h$, wave in H.F. (+12).
	$16^d.22\frac{1}{2}^h$ to 24^h	Wave in H.F. (+22).
	$19^d.23\frac{1}{4}^h$ to $20^d.0\frac{1}{2}^h$	Wave in H.F. (+11).
	$22^d.\ 1\frac{1}{2}^h$ to 2^h	Increase in H.F. (8).
	$24^d.21\frac{1}{2}^h$ to 24^h	Small fluctuations in H.F.
	$25^d.18\frac{3}{4}^h$ to 19^h	Wave in H.F. (+10), steep at commencement and at end.
	$27^d.\ 9^h$ to $28^d.3^h$	Occasional small fluctuations in H.F. and V.F.

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0'·1.

Month and Day.		Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.	Month and Day.		Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	d	° ′					°		d	° ′					°
Sept.	1	9.14·1	·23524	80	26	33	74·6	Oct.	1	9.13·8	·23506	89	53	28	75·2
	2	9.14·3	521	61	30	20	74·5		2	9.13·5	514	50	29	25	75·4
	3	9.15·1	528	65	23	25	74·6		3	9.13·8	516	90	35	40	75·7
	4	9.14·5	505	40	..	24	74·4		4	9.14·5	521	63	37	28	76·6
	5	9.14·2	508	89	33	34	74·6		5	9.13·8	521	103	18	44	77·2
	6	9.14·6	520	51	41	32	75·2		6	9.13·8	519	80	28	25	76·8
	7	9.14·1	518	87	19	32	75·1		7	9.13·9	523	111	19	32	76·6
	8	9.14·3	525	67	32	27	75·3		8	9.13·9	532	82	12	19	77·2
	9	9.14·6	519	80	22	35	74·4		9	9.13·6	533	89	25	20	76·5
	10	9.14·8	532	91	27	24	75·2		10	..	..	..	..	22	76·6
	11	9.14·2	527	61	24	21	74·5		11	9.14·2	538	104	49	29	77·0
	12	9.14·2	524	105	28	28	74·6		12	9.13·9	519	70	64	23	76·4
	13	9.16·2	..	59	..	..	74·4		13	9.13·6	519	99	36	22	76·8
	14	9.15·8	..	64	..	..	74·5		14	9.13·1	519	89	41	21	76·6
	15	9.14·9	..	62	..	..	74·5		15	9.14·1	531	79	24	25	78·1
	16	..	..	..	..	..	74·4		16	9.13·3	539	70	38	21	77·4
	17	..	..	..	..	..	75·4		17	9.13·8	537	80	30	31	77·4
	18	9.15·5	..	57	..	..	74·9		18	9.14·3	530	77	25	27	76·9
	19	9.13·9	521	50	24	21	74·7		19	9.13·9	530	74	59	21	77·1
	20	9.14·3	526	82	33	26	74·7		20	9.13·4	524	60	30	..	76·7
	21	9.14·5	530	122	33	36	75·2		21	9.14·4	532	85	45	19	76·4
	22	9.14·7	509	88	67	34	74·9		22	9.13·4	526	68	33	..	76·4
	23	9.14·2	480	100	..	12	75·4		23	9.13·4	516	74	18	..	76·2
	24	9.13·6	491	40	23	..	75·1		24	9.13·2	521	65	14	..	76·3
	25	9.14·3	493	50	28	..	75·0		25	9.13·6	526	50	24	..	76·3
	26	9.14·7	505	71	56	..	75·1		26	9.13·7	529	45	29	..	76·3
	27	9.14·6	518	69	41	18	75·1		27	9.13·2	521	59	46	..	76·2
	28	9.14·6	521	79	35	..	75·2		28	9.13·5	523	60	26	..	76·2
	29	9.14·0	517	69	53	28	74·7		29	9.13·1	526	90	37	..	76·0
	30	9.14·5	510	95	50	25	74·8		30	9.13·6	527	56	21	..	76·1
									31	9.13·9	528	59	41	..	76·4
Mean		9.14·55	·23516	72·6	34·0	26·7	74·8	Mean	-	9.13·71	·23525	75·7	32·9	26·1	76·5

MAGNETIC DISTURBANCES.

	$3^d.16^h$ to $21\frac{1}{2}^h$	Shallow wave in H.F. (+25), followed by small fluctuations till 7^h with double wave $3^d.23\frac{3}{4}^h$ to $4^d.1\frac{1}{4}^h$ (−11 to +11) and wave $2\frac{1}{4}^h$ to $3\frac{1}{2}^h$ (+28). $4^d.0^h$ to $1\frac{1}{2}^h$ wave in Dec. (+25), followed till 3^h by double wave (+20 to −20).
September	$4^d.18\frac{3}{4}^h$ to $19\frac{1}{2}^h$	Wave in H.F. (−13). 21^h to 22^h, wave in H.F. (+25). $23\frac{1}{4}$ to $5^d.0\frac{1}{2}^h$, wave in H.F. (+20). $4^d.19\frac{1}{4}^h$ to 20^h and 21^h to $21\frac{1}{2}^h$, waves in Dec. (+18) and (+15). Occasional small undulations in V.F.
	$13^d.15^h$ to $18^h.14^h$	Loss of H.F., V.F., and Dec. registers.
	$20^d.21^h$	Sudden increase in H.F. (11), followed till 23^h by a gradual decrease (17); in V.F. small fluctuations.
	$22^d.16^h$ to $23^d.16^h$	*See* Plate I.
	$24^d.23^h$ to $25^d.0\frac{1}{2}^h$	Wave in H.F. (+28), steep at commencement; in V.F. (−5).
	$25^d.22\frac{1}{2}^h$ to $23\frac{1}{2}^h$	Wave in H.F. (+23).
	$26^d.5\frac{1}{2}^h$ to 10^h	Wave in Dec. (−40).
	26^d and 29^d	Accentuated diurnal variation in H.F.
	$30^d.21^h$ to $22\frac{1}{2}^h$	Wave in H.F. (−15).
October	$1^d.13\frac{1}{2}^h$ to 17^h	Wave in H.F. (+20). $18\frac{3}{4}^h$ to $20\frac{1}{2}^h$, double wave in H.F. (+8 to −4); in Dec. two successive waves (+10 and +11).
	$4^d.23^h$ to 24^h	Wave in H.F. (+17).
	$12^d.14^h$ to $17\frac{1}{2}^h$	Wave in H.F. (+25). $13^d.1^h$ to 2^h, wave in H.F. (+15).
	$14^d.10^h$ to 12^h	Wave in H.F. (+16).
	$16^d.0^h.35^m$	Increase in H.F. (10).
	$17^d.0^h.55^m$	Increase in H.F. (7), followed by a gradual decrease (10) with small superposed fluctuations till $4^h.55^m$, when a sudden increase (8) occurred.
	$19^d.12^h$ to 16^h	Decrease in H.F. (55). 22^h to $23\frac{3}{4}^h$, wave in H.F. (+11).
	$21^d.4^h.42^m$	Decrease in H.F. (7). 8^h to 9^h, wave in H.F. (+20).
	$22^d.5^h$ to $6\frac{1}{2}^h$	Double wave in H.F. (−14 to +6); wave in Dec. (−20). 18^h to $19\frac{3}{4}^h$, wave in H.F. (−20). 22^h to $23^d.1^h$, wave in H.F. (+29).
	$24^d.0\frac{1}{4}^h$ to $0\frac{3}{4}^h$	Wave in H.F. (+6).
	$26^d.20^h$ to $22\frac{3}{4}^h$	Wave in H.F. (−11).
	$27^d.2^h$ to $28^d.1^h$	Occasional fluctuations in H.F. (±6).
	$30^d.21^h.40^m$ to 53^m	Increase in H.F. (11).

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0′·1.

Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.	Month and Day.	Mean Magnetic Declination (West).	Mean Horizontal Magnetic Force (C.G.S. Unit).	Diurnal Range of Declination (0′·1).	Diurnal Range of Horizontal Force (·00001 C.G.S. Unit).	Diurnal Range of Vertical Force (·00001 C.G.S. Unit).	Temperature of Horizontal Force Magnet.
	° ′					°		° ′					°
Nov. d 1	9.14·3	·23521	60	25	10	76·4	Dec. d 1	9.14·4	..	85	..	..	79·5
2	9.13·9	524	78	38	18	76·2	2	9.14·2	·23529	77	33	11	79·2
3	9.14·5	531	70	42	21	76·3	3	9.13·9	523	113	24	20	79·5
4	9.14·1	534	60	32	12	76·4	4	9.14·2	522	69	23	14	79·2
5	9.13·6	515	80	23	11	76·6	5	9.13·7	524	60	22	12	79·4
6	9.14·3	522	51	11	16	76·6	6	9.13·5	526	78	42	20	79·7
7	9.13·3	532	88	22	15	76·7	7	9.14·2	526	55	37	8	80·1
8	9.13·8	526	64	51	4	76·5	8	9.13·9	511	140	..	36	80·0
9	9.14·0	522	41	42	..	76·4	9	9.13·5	474	55	..	15	80·1
10	9.14·1	525	50	37	..	76·7	10	9.13·7	499	49	19	5	80·1
11	9.13·6	..	30	..	..	76·7	11	9.13·1	511	55	29	..	80·1
12	9.14·0	519	45	27	23	77·0	12	9.13·5	515	60	51	22	80·2
13	9.13·3	521	88	22	17	76·9	13	9.12·5	509	80	30	16	80·2
14	9.14·0	525	49	29	23	77·1	14	9.13·1	512	49	42	6	79·9
15	9.13·2	528	80	44	20	77·4	15	9.13·7	522	90	65	36	80·0
16	9.13·1	521	110	16	..	77·4	16	9.14·1	511	40	27	24	80·1
17	9.13·6	..	105	..	..	77·5	17	9.14·1	..	99	..	23	80·3
18	9.13·5	520	85	29	16	77·6	18	9.13·0	500	85	22	12	80·6
19	9.13·4	526	80	38	20	78·2	19	9.13·4	506	110	22	14	80·8
20	9.14·0	..	87	..	..	78·2	20	9.14·2	503	70	16	9	80·5
21	9.13·5	..	57	..	..	78·0	21	9.14·0	513	51	46	..	81·0
22	9.13·7	..	86	..	..	78·1	22	9.13·3	483	90	..	19	80·9
23	9.14·5	..	69	..	..	78·1	23	9.14·0	463	65	40	10	80·9
24	9.13·1	..	90	..	..	78·0	24	9.14·2	481	40	42	15	81·0
25	9.14·7	..	32	..	..	78·4	25	9.14·1	490	45	26	20	81·1
26	9.14·9	..	28	..	..	78·6	26	9.13·1	498	60	35	10	81·1
27	9.12·4	..	40	..	..	78·5	27	9.14·3	501	60	31	12	81·5
28	9.13·3	..	50	..	..	78·6	28	9.14·8	495	60	22	18	81·1
29	9.13·0	..	93	..	..	78·7	29	9.14·3	500	50	45	15	81·3
30	9.12·9	..	84	..	..	78·8	30	9.13·5	500	66	38	22	81·4
							31	9.13·9	501	80	34	..	81·0
Mean	9.13·72	·23524	67·7	31·1	16·1	77·4	Mean	9.13·79	·23505	70·5	33·2	16·4	80·4

MAGNETIC DISTURBANCES.

November	$9^d.\ 3^h$ to $4\frac{1}{2}^h$	Wave in H.F. (+14).
	$12^d.\ 1^h$ to $1\frac{3}{4}^h$	Sharp wave in H.F. (+17).
	$16^d.\ 2\frac{1}{4}^h$ to 4^h	Wave in H.F. (+9), steep at commencement.
	$17^d.13^h$ to $18^d.18^h$	Frequent small fluctuations in H.F. $18^d.7^h$ to 8^h, wave in Dec. (+28).
	$19^d.22^h$ to Dec. $1^d.10^h$	Loss of H.F. and Dec. registers.
December	$8^d.\ 9^h$ to 14^h	Triple-crested wave in H.F. (+60), with superposed fluctuations (± 5). Small fluctuations followed till $9^d.4^h$. Small fluctuations in Dec. from $8^d.7^h$ to 10^h, and in V.F. from $8^d.7^h$ to 21^h.
	$9^d.23\frac{1}{2}^h$ to $10^d.1^h$	Wave in H.F. (+20).
	$11^d.\ 1^h$ to $1\frac{1}{2}^h$	Wave in H.F. (+7).
	$15^d.10^h$ to 18^h	Wave in H.F. (+47).
	$16^d.\ 0^h$ to $2\frac{1}{2}^h$	Double-crested wave in H.F. (+17).
	$16^d.20^h.30^m$	Sudden increase in H.F. (41); in V.F. (13); decrease in Dec. (20), followed by small rapid fluctuations in each element till $18^d.1^h$, with double wave in H.F. $16^d.22\frac{1}{4}^h$ to $17^d.0^h$ (−20 to +10), and wave $17^d.2^h$ to 4^h (−30). $16^d.23^h$ to $23\frac{1}{2}^h$, wave in Dec. (+35); in V.F. (+10).
	$18^d.23\frac{3}{4}^h$ to 24^h	Wave in H.F. (+6).
	$22^d.\ 1^h$ to $23^d.2^h$	*See* Plate I.
	$24^d.20^h$ to 21^h	Wave in H.F. (+15).
	$26^d.20\frac{1}{4}^h$ to $21\frac{3}{4}^h$	Two successive waves in H.F. (+9 and +14), the first steep at commencement. Small rapid fluctuations followed till $27^d.4^h$.
	$28^d.\ 9^h$ to 12^h	Wave in H.F. (+24), followed by small rapid fluctuations till $18^h.10^m$, when a sudden decrease (12) occurred; small fluctuations in V.F.

In the description of Magnetic Disturbances the Unit for Horizontal Force and Vertical Force is ·00001 C.G.S. Unit, and for Declination 0′·1.

MEAN DIURNAL INEQUALITY of the MAGNETIC ELEMENTS, and of the TEMPERATURE within the SHADES covering the HORIZONTAL FORCE and VERTICAL FORCE MAGNETS.

(The results in each case are diminished by the smallest hourly value.)

Hour, Mauritius Civil Time.	Declination (′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (°·01 F.).	Declination (′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (°·01 F.).	Declination (′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (°·01 F.).
	January.					February.					March.				
Midnight	29	32	77	2	7	35	36	146	4	2	33	25	150	7	5
1h	31	37	75	2	6	36	57	146	4	3	33	33	152	6	4
2	32	44	75	3	5	35	67	142	4	4	33	58	149	5	3
3	33	46	74	3	5	38	76	138	4	5	33	63	147	4	2
4	37	43	77	4	4	40	76	139	4	7	34	74	148	3	2
5	39	51	83	4	3	43	88	140	4	7	36	83	150	2	1
6	46	79	92	4	2	52	108	153	4	8	38	92	160	0	0
7	55	124	102	5	1	66	123	184	4	8	51	70	186	0	0
8	55	160	105	6	1	70	125	177	4	9	65	52	205	0	0
9	54	205	98	6	1	60	144	125	5	10	69	62	188	1	1
10	49	252	79	6	0	42	168	53	6	11	58	97	141	3	3
11	32	228	37	5	1	24	186	20	4	9	41	138	78	6	4
Noon	16	169	20	5	3	9	163	5	2	7	23	153	29	9	6
13h	6	131	12	5	6	1	123	0	3	8	7	139	0	8	5
14	0	106	1	6	9	0	60	31	4	9	0	110	11	8	3
15	1	76	0	6	11	5	23	69	4	10	1	75	39	8	2
16	7	54	19	7	13	16	20	97	5	10	9	50	73	8	2
17	17	44	35	6	12	24	9	107	3	8	19	22	97	8	3
18	24	23	43	5	11	29	8	104	1	5	25	12	107	8	3
19	25	4	47	4	8	30	0	112	0	3	28	8	114	8	3
20	26	1	54	3	6	31	0	124	0	2	29	0	120	8	4
21	26	0	62	2	4	31	7	135	0	1	30	12	132	8	4
22	28	4	69	0	2	33	7	143	0	0	31	14	141	8	5
23	29	20	74	1	4	35	15	152	2	1	33	9	147	8	5
Mean	29·0	80·5	58·8	4·2	5·2	32·7	70·4	110·1	3·1	6·1	31·6	60·5	119·3	5·6	2·9
Number of Days employed.	29	28	24	31	31	25	19	12	28	28	30	29	24	31	31

	April.					May.					June.				
Midnight	30	50	124	13	13	20	29	123	1	2	25	14	109	0	0
1h	30	47	120	10	10	20	52	118	1	2	24	21	108	0	0
2	31	62	124	7	7	20	55	118	1	2	23	31	109	0	0
3	30	78	120	5	5	21	56	119	0	1	23	42	108	1	1
4	31	106	125	3	3	21	67	120	0	1	22	61	111	1	1
5	33	107	129	2	2	20	77	122	0	1	22	83	112	1	1
6	33	102	133	0	0	18	100	123	0	0	21	101	115	0	0
7	37	123	147	2	2	12	146	112	1	1	13	133	107	1	1
8	54	142	172	4	4	23	185	141	1	3	19	174	123	1	1
9	70	131	175	8	8	41	180	166	2	4	31	177	138	1	1
10	71	116	144	12	12	51	174	163	4	5	41	178	121	2	2
11	51	135	80	14	14	46	194	121	3	4	41	163	88	3	3
Noon	27	177	24	16	16	33	188	81	2	3	30	150	39	4	4
13h	9	170	5	18	18	20	132	42	4	5	17	110	0	3	3
14	0	92	0	21	21	8	75	16	6	7	4	68	0	2	2
15	0	23	24	22	22	0	31	0	5	7	0	19	22	3	3
16	7	12	58	21	21	1	9	26	5	7	4	0	57	3	3
17	17	15	89	21	21	13	0	84	5	7	19	13	94	3	3
18	25	24	114	20	20	22	22	113	5	7	27	30	109	3	3
19	28	15	111	19	19	24	19	123	3	6	29	22	116	3	3
20	29	13	122	19	19	25	16	132	2	4	28	20	117	2	2
21	31	21	125	18	18	24	17	127	1	3	28	16	116	2	2
22	30	12	125	16	16	22	19	126	1	3	26	15	113	3	3
23	29	0	127	14	14	22	20	125	1	2	25	11	109	1	2
Mean	30·5	73·9	104·9	12·7	12·7	22·0	77·6	105·9	2·2	3·6	22·6	68·8	93·4	1·8	1·8
Number of Days employed.	30	30	19	30	30	31	28	24	22	22	27	27	23	23	23

MEAN DIURNAL INEQUALITY of the MAGNETIC ELEMENTS, and of the TEMPERATURE within the SHADES covering the HORIZONTAL FORCE and VERTICAL FORCE MAGNETS.

(The results in each case are diminished by the smallest hourly value.)

Hour, Mauritius Civil Time.	Declination (0′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (0°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (0°·01 F.).	Declination (0′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (0°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (0°·01 F.).	Declination (0′·1).	Horizontal Force (·000001 C.G.S. Unit).	Vertical Force (·000001 C.G.S. Unit).	Temperature within the Shade covering the Horizontal Force Magnet (0°·01 F.).	Temperature within the Shade covering the Vertical Force Magnet (0°·01 F.).
	July.					August.					September.				
Midnight	20	60	128	3	2	27	38	183	8	8	26	25	164	5	5
1h	19	73	126	4	2	24	43	152	7	7	27	24	163	4	4
2	19	77	125	2	2	25	53	151	6	6	26	47	162	3	3
3	17	75	123	3	2	23	68	150	4	4	26	59	156	2	2
4	16	100	124	3	2	23	92	150	2	2	25	73	157	1	1
5	15	112	123	3	1	22	107	149	1	1	25	80	161	0	0
6	12	188	124	2	1	17	130	150	0	0	19	102	162	0	0
7	6	180	113	1	0	9	177	151	0	0	18	130	173	0	0
8	6	177	130	0	0	18	223	178	1	1	33	166	212	0	0
9	21	222	154	1	1	36	211	208	4	4	51	183	240	3	3
10	34	225	163	2	2	54	182	221	7	7	66	214	247	7	7
11	36	219	135	3	3	57	160	173	8	8	67	217	212	8	8
Noon	32	203	87	5	4	47	152	118	10	10	53	230	149	10	10
13h	20	181	32	6	5	34	145	56	11	11	35	198	76	12	12
14	8	127	1	7	6	15	117	12	12	12	13	120	18	15	15
15	0	67	0	6	6	6	84	0	13	13	0	53	0	14	14
16	1	11	37	5	5	0	25	38	15	15	0	16	23	13	13
17	12	0	91	5	4	14	0	101	14	14	13	0	80	12	12
18	19	37	118	5	3	27	27	138	14	14	27	5	120	11	11
19	25	37	125	5	3	29	33	146	14	14	28	10	134	10	10
20	25	33	129	5	3	30	35	151	13	13	29	12	147	10	10
21	24	24	133	5	3	31	20	156	12	12	29	12	158	9	9
22	22	26	132	4	3	29	20	158	10	10	30	7	162	8	8
23	22	35	131	4	3	26	29	157	9	9	28	14	164	7	7
Mean	18·0	103·7	107·7	3·7	2·7	26·0	90·5	135·3	8·1	8·1	28·9	83·2	143·3	6·8	6·8
Number of Days employed.	28	24	26	26	26	18	24	29	31	31	23	22	20	28	28
	October.					November.					December.				
Midnight	42	67	175	9	13	38	42	107	5	4	32	18	116	2	2
1h	42	81	176	8	11	39	37	103	3	3	33	32	116	2	2
2	42	101	176	7	9	40	44	102	0	0	34	40	116	2	2
3	43	110	175	6	7	42	50	101	0	0	37	44	118	2	2
4	44	112	176	4	5	43	58	106	0	0	39	48	119	2	2
5	44	106	182	2	3	42	63	109	0	0	42	46	125	2	2
6	42	117	183	0	0	47	71	118	0	1	50	76	135	2	2
7	49	135	200	1	3	60	83	144	1	2	58	118	146	1	1
8	59	158	230	3	5	64	109	148	1	2	62	146	144	1	1
9	64	189	250	7	9	60	141	125	3	4	57	175	126	1	1
10	69	232	247	11	14	46	189	103	5	6	48	225	98	2	2
11	63	258	202	18	22	36	195	73	6	6	31	218	45	1	1
Noon	41	247	116	25	30	22	199	40	8	8	14	184	9	0	0
13h	17	208	33	28	33	7	208	0	9	8	3	145	0	2	2
14	0	169	0	30	36	0	157	7	9	8	0	112	12	4	4
15	3	103	24	29	35	8	100	35	9	8	3	65	33	5	5
16	18	51	79	27	34	19	57	67	9	7	9	13	50	6	6
17	33	8	123	24	31	32	18	92	8	6	18	3	66	5	5
18	40	0	145	22	27	35	0	96	8	6	26	0	78	3	3
19	41	15	152	20	25	35	6	95	8	6	27	4	85	3	3
20	41	13	160	18	24	34	4	98	8	6	27	8	94	3	3
21	41	11	167	16	22	34	11	102	7	6	28	11	101	2	2
22	41	27	171	13	18	34	23	106	6	5	29	14	109	1	1
23	42	45	175	11	16	36	28	107	5	4	31	16	112	1	2
Mean	40·0	106·8	154·9	14·1	18·0	35·5	78·9	91·0	4·9	4·4	30·7	73·4	89·7	2·3	2·3
Number of Days employed.	30	30	20	31	31	18	17	14	30	30	31	26	27	31	31

MEAN DIURNAL INEQUALITIES of MAGNETIC DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE, and of the TEMPERATURE within the GLASS SHADES of the HORIZONTAL FORCE and VERTICAL FORCE MAGNETS.

(Each result is the mean of twelve monthly mean values, the annual means for each element being diminished by the smallest hourly value.)

1906.

Hour, Mauritius Civil Time.	Declination (West) (0′·01).	Horizontal Force (·000001 C.G.S.).	Vertical Force (·000001 C.G.S.).	Temperature within the Glass Shade covering the Horizontal Force Magnet (0°·01 F.).	Temperature within the Glass Shade covering the Vertical Force Magnet (0°·01 F.).	Hour, Mauritius Civil Time.
Midnight	275	25	124	4	4	Midnight.
1h	276	34	121	3	3	1h
2	277	46	120	2	2	2
3	282	53	118	2	2	3
4	290	65	120	1	1	4
5	297	73	123	1	1	5
6	307	95	128	0	0	6
7	339	118	138	0	0	7
8	418	140	155	1	1	8
9	489	157	157	3	3	9
10	502	177	139	5	5	10
11	416	182	96	6	6	11
Noon	267	174	51	7	7	Noon.
13h	124	147	12	8	8	13h
14	17	98	0	9	10	14
15	0	49	11	9	10	15
16	53	16	43	9	10	16
17	170	0	79	8	9	17
18	249	5	98	8	8	18
19	268	3	104	7	7	19
20	273	2	112	7	7	20
21	275	3	117	6	6	21
22	273	5	120	5	5	22
23	276	9	123	4	5	23
Means	267·2	69·8	100·4	4·8	5·0	Means.
Column	1	2	3	4	5	6

MEAN MONTHLY VALUES of MAGNETIC DECLINATION, DIP, HORIZONTAL FORCE, VERTICAL FORCE, and TOTAL FORCE in the YEAR 1906.

Month, 1906.	Declination (West).	Dip (South).	In Metric Measure (C.G.S. Unit). Horizontal Force.	Vertical Force.	Total Force.	In English Measure (F.G.S. Unit). Horizontal Force.	Vertical Force.	Total Force.
	° ′	° ′						
January	9.10·96	53.55·25	·23558	·32331	·40004	5·1093	7·0119	8·6761
February	9.10·78	53.55·87	·23525	·32298	·39957	5·1021	7·0048	8·6659
March	9.11·03	53.55·72	·23529	·32300	·39961	5·1030	7·0052	8·6667
April	9.10·97	53.54·20	·23527	·32268	·39935	5·1026	6·9983	8·6611
May	9.12·52	53.53·55	·23532	·32262	·39933	5·1037	6·9970	8·6607
June	9.12·95	53.52·47	·23534	·32243	·39918	5·1041	6·9929	8·6574
July	9.13·89	53.52·77	·23528	·32240	·39913	5·1028	6·9922	8·6563
August	9.13·90	53.51·87	·23522	·32214	·39888	5·1015	6·9866	8·6509
September	9.14·55	53.51·42	·23516	·32197	·39870	5·1002	6·9829	8·6470
October	9.13·71	53.50·67	·23525	·32195	·39874	5·1021	6·9824	8·6479
November	9.13·72	53.49·42	·23524	·32169	·39853	5·1019	6·9768	8·6433
December	9.13·79	53.51·05	·23505	·32175	·39846	5·0978	6·9781	8·6418
Year	9.12·73	53.52·85	·23527	·32241	·39913	5·1026	6·9924	8·6563
Column	1	2	3	4	5	6	7	8

HOURLY VARIATIONS of HORIZONTAL MAGNETIC FORCE above or below the MEAN for the MONTH, on DAYS of MAGNETIC DISTURBANCE.

(*The unit is* ·00001 *of the Centimetre-Gramme-Second Unit. No correction for temperature has been applied.*)

1906.

Hour, Mauritius Civil Time.	February.		March.		May.		June.	July.		August.		Sept.	December.			
	1d.	15d.	4d.	25d.	9d.	15d.	2d.	21d.	30d.	12d.	13d.	4d.	8d.	9d.	17d.	22d.
Midnight	−45	+ 6	−25	+ 6	+ 6	+19	− 5	−11	+16	− 8	−40	− 5	+10	−32	− 8	+ 2
1h	−35	+ 8	−14	+12	− 3	+19	+ 5	+ 1	+16	− 4	−40	+ 6	+12	−18	−14	+ 10
2	− 1	+ 4	−15	+37	+17	+18	− 9	+ 2	+16	− 3	−30	− 3	+12	− 8	−18	+ 54
3	−17	+ 5	−16	+25	0	+20	0	+ 5	+19	− 4	−20	+17	+22	−10	−31	+ 13
4	−25	+ 5	+ 2	+27	− 4	+23	− 10	+ 6	+24	− 2	−20	− 3	+12	−10	+ 2	+ 7
5	−25	+ 5	+10	+14	−13	+21	− 18	+ 6	+34	− 2	−20	− 8	+12	+ 2	− 8	+ 10
6	−19	+ 6	+12	+ 9	−14	+21	− 21	+ 8	+51	+ 4	−10	−14	+20	+ 4	− 8	+ 36
7	− 9	+ 7	+ 6	+34	−11	+27	− 20	+14	+54	+ 8	−10	− 8	+21	− 3	+ 2	+ 47
8	− 8	+ 4	− 2	+27	− 6	+30	− 20	+21	+43	+10	− 3	− 7	+30	−12	− 8	+ 32
9	−16	+ 4	− 9	+32	−12	+30	− 15	+29	+26	+17	+10	−11	+32	−30	−12	+ 18
10	−10	+17	− 1	+36	−11	+40	− 19	+32	+16	+17	−20	−13	+40	−38	+ 5	+ 12
11	−13	+25	− 2	+21	−10	+34	− 20	+36	+24	+19	−11	+ 2	+72	−40	− 5	+ 1
Noon	−15	+30	−10	+10	−12	+14	− 29	+44	+16	+ 3	0	+ 5	+32	−58	− 8	− 12
13h	−17	+36	−14	− 1	−21	−23	− 40	+28	+16	0	+ 1	+ 6	+ 7	−60	−10	− 8
14	−24	+35	−24	−11	−26	−51	− 52	+18	+ 1	− 2	−10	−18	− 8	−58	−13	+ 2
15	−48	+12	−30	−14	−26	−53	− 80	+ 8	−12	−20	−22	−23	0	−63	−16	− 8
16	−55	+ 5	−34	−29	−23	−71	− 90	− 5	−14	−38	−30	−23	+ 4	−65	−18	− 48
17	−35	−14	−39	−31	−19	−91	− 94	−16	−11	−54	−30	−25	+ 2	−62	−20	− 92
18	−27	−20	−36	−33	−25	−61	−110	−26	−14	−60	−40	−25	−10	−48	−20	−108
19	−31	−24	−38	−38	−21	−70	−105	−24	−16	−65	−39	−33	−20	−47	−17	− 93
20	−32	−33	−42	−26	−21	−71	− 83	−14	−16	−66	−35	−28	−27	−48	−16	−108
21	−33	−36	−36	−25	−21	−61	− 70	−14	− 9	−65	−30	−28	−33	−38	−13	− 73
22	−32	−34	−35	−20	−20	−56	− 66	−14	− 9	−34	−30	−18	−38	−37	−13	− 88
23	−25	−30	−42	−19	−21	−46	− 61	−14	− 9	−40	−31	−18	−37	−28	− 9	− 85
Daily Range	59	79	69	79	48	135	122	71	80	89	51	65	110	72	58	198

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

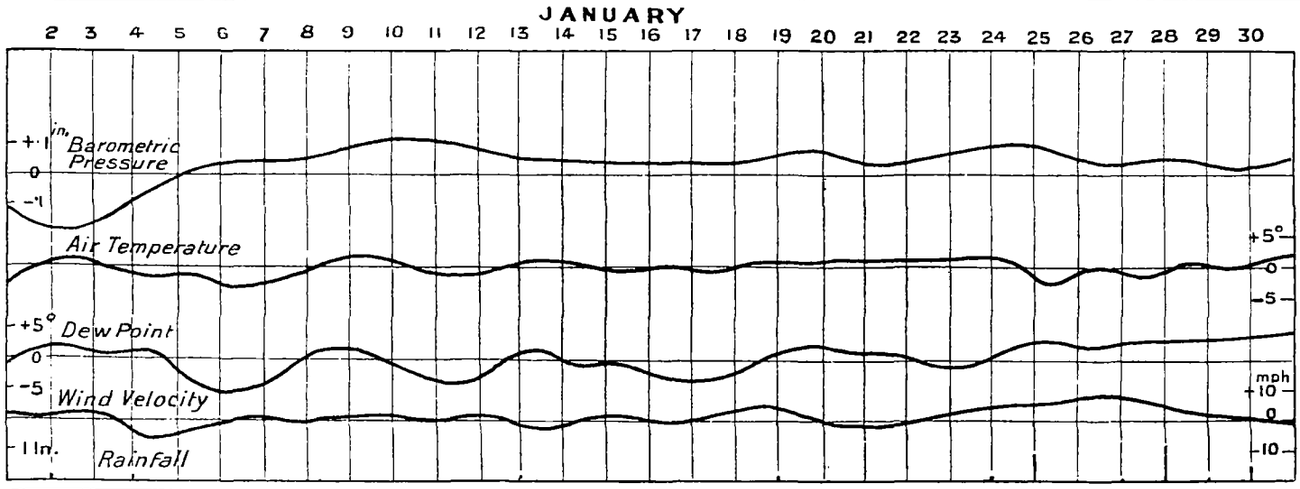
RESULTS

OF

METEOROLOGICAL OBSERVATIONS.

1906.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Jan. 1	29·672	−·106	84·3	67·8	16·5	76·5	−2·2	72·1	68·9	−0·4	77	+ 4	·706	150·3	60·7	0·020	35	·180
2	29·599	−·177	86·6	73·9	12·7	78·9	+0·2	74·4	71·3	+2·0	78	+ 5	·766	148·7	69·2	0·165	90	·215
3	29·603	−·171	86·7	72·6	14·1	79·4	+0·7	73·8	69·9	+0·5	73	0	·731	146·0	67·3	0·000	..	·260
4	29·688	−·084	85·1	72·4	12·7	77·5	−1·2	73·3	70·3	+0·8	79	+ 5	·741	142·6	66·8	0·100	35	·180
5	29·756	−·014	85·7	70·3	15·4	77·5	−1·3	71·4	67·1	−2·5	70	− 4	·664	148·6	62·3	0·000	..	·260
6	29·804	+·035	85·0	65·7	19·3	75·0	−3·8	68·8	64·2	−5·4	69	− 5	·601	143·9	58·9	0·000	..	·205
7	29·806	+·039	84·9	66·0	18·9	75·9	−2·9	69·7	65·2	−4·5	70	− 4	·622	136·0	59·7	0·000	..	·280
8	29·806	+·041	85·5	70·7	14·8	78·3	−0·5	73·5	70·1	+0·3	76	+ 2	·736	141·4	65·4	0·000	..	·180
9	29·844	+·081	87·0	74·5	12·5	80·1	+1·3	74·7	71·1	+1·3	74	− 1	·761	152·1	70·8	0·000	..	·250
10	29·878	+·117	86·7	74·5	12·2	79·5	+0·6	73·6	69·5	−0·4	72	− 3	·721	150·0	68·7	0·000	..	·260
11	29·861	+·102	86·6	69·5	17·1	77·8	−1·1	70·9	66·0	−4·0	67	− 8	·639	145·0	62·3	0·000	..	·280
12	29·835	+·078	85·7	69·6	16·1	77·8	−1·1	71·1	66·4	−3·6	68	− 7	·648	147·7	61·6	0·000	..	·300
13	29·797	+·042	87·6	73·2	14·4	79·2	+0·3	74·2	70·7	+0·6	75	0	·751	149·9	67·3	0·000	..	·220
14	29·794	+·041	88·0	73·5	14·5	79·7	+0·8	73·9	69·9	−0·2	72	− 3	·731	143·9	65·8	0·000	..	·290
15	29·785	+·034	86·7	72·5	14·2	78·6	−0·3	73·2	69·3	−0·9	73	− 2	·716	146·7	65·8	0·105	15	·265
16	29·787	+·038	87·6	71·4	16·2	78·7	−0·2	72·4	68·0	−2·2	70	− 5	·684	144·1	64·4	0·000	..	·280
17	29·784	+·037	86·7	70·6	16·1	78·3	−0·6	72·1	67·8	−2·5	70	− 6	·680	148·7	62·3	0·000	..	·290
18	29·774	+·029	86·3	72·5	13·8	79·0	0·0	72·4	67·7	−2·6	69	− 7	·678	146·3	63·7	0·000	..	·280
19	29·807	+·064	86·8	75·0	11·8	79·4	+0·4	74·8	71·6	+1·2	77	+ 1	·774	149·1	72·7	0·105	70	·255
20	29·821	+·080	86·8	74·6	12·2	80·0	+1·0	75·4	72·2	+1·8	77	+ 1	·790	147·4	68·7	0·040	40	·260
21	29·778	+·038	89·6	74·0	15·6	80·1	+1·1	74·9	71·4	+0·9	75	− 1	·769	148·9	67·8	0·000	..	·240
22	29·769	+·031	89·3	73·1	16·2	80·0	+1·1	74·5	70·7	+0·2	73	− 3	·751	143·8	65·9	0·000	..	·270
23	29·810	+·073	86·8	72·6	14·2	79·6	+0·7	73·5	69·3	−1·2	71	− 5	·716	148·5	65·2	0·000	..	·260
24	29·831	+·096	87·8	74·5	13·3	80·5	+1·6	74·8	70·9	+0·3	73	− 3	·756	146·7	67·8	0·050	20	·290
25	29·833	+·099	82·7	72·6	10·1	76·9	−2·0	74·5	72·8	+2·2	87	+ 11	·807	142·2	71·2	0·910	180	·110
26	29·784	+·051	81·9	75·6	6·3	78·1	−0·8	74·9	72·6	+2·0	84	+ 8	·801	127·8	73·4	0·100	105	·130
27	29·761	+·029	81·8	76·2	5·6	78·0	−0·9	75·0	73·0	+2·3	85	+ 9	·812	117·6	74·5	0·155	135	·135
28	29·787	+·056	85·2	72·8	12·4	78·2	−0·7	75·6	73·8	+3·1	86	+ 10	·834	143·7	68·2	1·245	325	·115
29	29·767	+·037	85·4	75·9	9·5	79·4	+0·5	76·0	73·6	+2·9	83	+ 7	·829	144·2	73·3	0·030	20	·200
30	29·747	+·018	84·8	76·4	8·4	78·9	0·0	76·4	74·6	+3·9	87	+ 11	·857	140·4	73·8	0·450	120	·150
31	29·777	+·049	87·7	75·0	12·7	80·5	+1·6	77·3	75·1	+4·4	84	+ 8	·871	148·0	71·0	0·000	..	·190
Mean	29·779	+·029	86·1	72·6	13·5	78·6	−0·3	73·6	70·2	0·0	75·6	+0·5	·740	144·5	67·0	Sum 3·475	Sum 1190	·228
Average	29·750	..	86·1	72·9	13·2	78·9	..	73·8	70·2	..	75·1	..	·737	146·8	69·0	8·388	2266	·243
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Jan. 1	4·0	8·0	4·6	35	− 6·9	+ 7·0	45	9·8	− 46	+ 1·3	9·9	78·6	75·82	b. : c.f. : c.p.
2	5·0	7·2	7·4	56	− 7·5	+ 4·9	33	9·0	− 57	+ 0·5	9·1	78·6	75·82	c.f. : c.p.
3	4·0	7·3	10·9	82	−10·6	+ 2·9	15	11·0	− 75	+ 2·5	11·1	78·6	75·82	c.f.
4	4·0	7·7	6·8	51	− 2·8	+ 1·7	31	3·3	− 59	− 5·2	6·6	78·7	75·82	b. : c.f. : c.p.
5	4·0	2·8	9·8	74	− 4·1	+ 1·8	24	4·4	− 65	− 4·1	7·2	78·7	75·82	b : c.f.
6	2·0	3·7	8·8	67	− 3·6	+ 5·9	59	6·9	− 30	− 1·6	7·1	78·7	75·82	b. : c.f. : b.
7	4·0	2·8	12·3	93	− 2·7	+ 8·3	72	8·8	− 17	+ 0·3	8·9	78·7	75·82	b. : c.f. : b.
8	3·0	9·1	3·5	27	− 2·1	+ 8·3	76	8·5	− 13	0·0	8·9	78·7	75·87	c.f. : o.
9	2·0	7·0	9·6	73	− 1·5	+ 8·8	80	9·0	− 8	+ 0·5	9·2	78·7	75·87	o. : c.f. : c.f.t. : c.
10	3·0	6·0	9·9	74	− 4·5	+ 9·3	64	10·3	− 24	+ 1·8	10·6	78·8	75·92	c.f.
11	4·0	4·2	11·1	84	− 3·7	+ 7·6	64	8·5	− 24	0·0	8·5	78·9	75·92	b. : c.f.
12	3·0	6·5	11·7	89	− 3·8	+ 9·0	67	9·8	− 20	+ 1·4	9·8	78·9	75·92	c.f. : b.
13	3·0	7·0	10·3	77	− 1·2	+ 7·3	81	7·4	− 6	− 1·0	8·0	79·0	75·97	b. : c. : c.f.
14	4·0	4·3	11·6	88	+ 0·3	+ 6·9	93	6·9	+ 6	− 1·5	7·0	79·0	76·02	c.f.
15	3·5	4·0	11·9	90	− 1·5	+ 8·4	80	8·5	− 6	+ 0·1	8·4	79·0	76·02	c.f.
16	3·0	3·3	11·9	90	− 2·5	+ 7·7	72	8·1	− 14	− 0·3	8·3	79·0	76·02	c f.
17	4·0	5·5	12·1	92	− 3·7	+ 8·7	67	9·5	− 19	+ 1·1	9·5	79·1	76·07	c.f. : b.
18	4·0	7·6	10·4	80	− 3·9	+10·1	69	10·8	− 17	+ 2·4	11·0	79·2	76·07	b. : c. : c.f.
19	4·0	8·0	8·3	64	− 3·2	+12·2	75	12·6	− 11	+ 4·2	12·8	79·2	76·07	b. : c.p.q.
20	4·0	6·0	10·6	81	− 0·8	+ 8·2	84	8·3	− 1	− 0·1	9·1	79·3	76·12	c.p. : c.f. : b.
21	3·0	5·0	9·7	74	− 0·7	+ 7·5	85	7·5	0	− 0·9	7·5	79·3	76·12	b. : c.p. : c.f. : b.l.
22	4·0	3·5	11·6	88	− 1·1	+ 8·2	82	8·3	− 3	− 0·1	8·5	79·3	76·12	b. : c.f. : b.
23	3·0	4·2	12·2	93	− 3·9	+ 9·7	68	10·4	− 17	+ 2·0	10·6	79·4	76·07	b. : c.f. : b.
24	4·0	5·0	11·3	86	− 4·0	+13·1	73	13·7	− 11	+ 5·3	13·9	79·4	76·07	b. : c.f.q. : c.p.
25	6·0	9·3	2·7	20	− 1·6	+13·3	83	13·4	− 1	+ 5·1	14·1	79·4	76·07	c.f. : o.r.
26	7·0	9·7	0·3	3	− 3·5	+15·7	77	16·1	− 7	+ 7·8	16·2	79·4	76·02	c.p. : o.p.
27	6·5	10·0	0·2	2	− 2·0	+15·6	83	15·7	− 1	+ 7·4	15·8	79·5	75·97	o.p.l.
28	4·0	9·8	3·4	26	+ 4·7	+11·4	112	12·4	+ 28	+ 4·1	12·6	79·5	75·92	c.p. : o.r.t.l.
29	6·0	8·4	7·8	60	+ 3·2	+10·1	108	10·6	+ 25	+ 2·3	10·9	79·5	75·92	c.p. : c.f.
30	3·5	9·9	1·7	13	+ 6·6	+ 6·2	137	9·0	+ 54	+ 0·7	9·4	79·5	75·97	c.f. : o.p.
31	5·0	8·5	7·6	58	+ 6·4	+ 0·9	172	6·5	+ 89	− 1·8	6·7	79·5	75·97	o. : c.f.l.
Mean	4·0	6·5	8·45	64·2	− 2·14	+ 8·28	75·5	8·55	−10·9	+ 0·13	9·91	79·07	75·96	..
Average	3·2	6·4	7·69	58·6	− 0·52	+ 8·40	86·4	8·42	..	..	11·07	79·92	77·12	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	33

A strong negative wave of pressure from December 26th to January 5th, due to the passage of a cyclone to the east of the Island, was accompanied by feeble positive waves of temperature, vapour tension, and wind velocity.

The pressure was above normal from January 6th to February 6th.

The increase of pressure from the 3rd to the 8th was accompanied by negative waves of temperature, vapour tension (strong), and wind velocity.

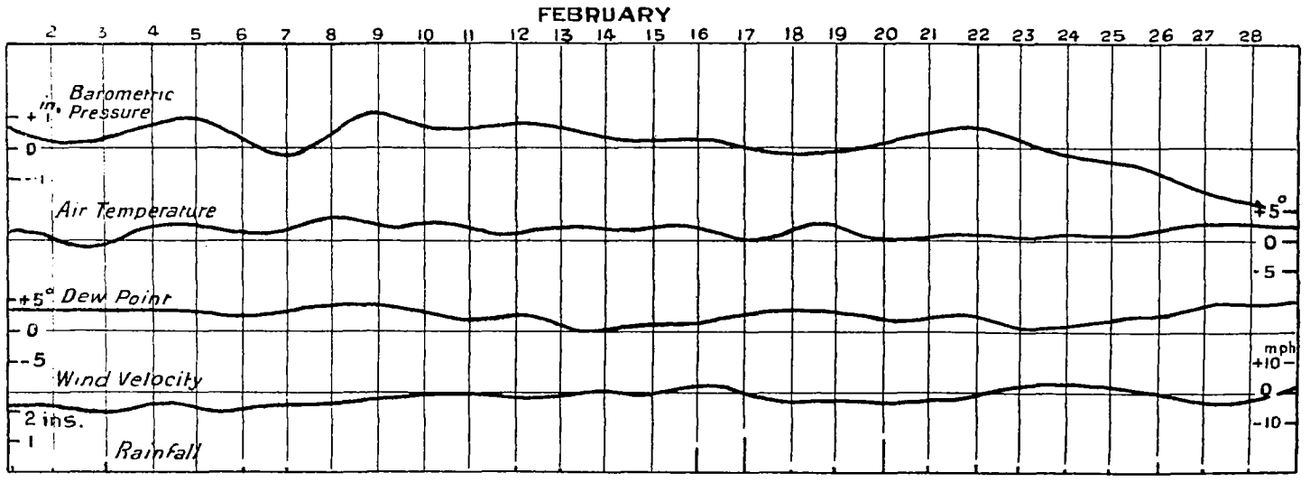
A positive wave of pressure from the 8th to the 13th was accompanied by a feeble negative wave of temperature, a strong negative wave of vapour tension, and normal wind velocity.

A negative wave of vapour tension from the 15th to the 19th was accompanied by steady pressure (slightly above normal), normal temperature, and increasing wind velocity.

A positive wave of pressure from the 22nd to the 30th was accompanied by variable temperature, generally increasing vapour tension, and a well-marked positive wave of wind velocity.

The principal rainfall occurred from the 24th to the 30th, during the recovery from a pressure maximum.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation = 100). Mean.	Degree of Humidity (Saturation = 100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Feb. 1	29·790	+·063	86·8	74·1	12·7	80·0	+1·1	76·6	74·3	+3·5	83	+ 7	·848	150·9	70·4	0·080	25	·200
2	29·751	+·025	87·4	73·6	13·8	79·4	+0·6	76·4	74·3	+3·5	84	+ 8	·848	156·6	69·9	0·105	25	·165
3	29·751	+·025	84·5	73·6	10·9	78·3	−0·5	75·8	74·0	+3·1	86	+ 10	·840	147·7	68·8	0·325	140	·065
4	29·798	+·072	89·1	74·4	14·7	81·3	+2·5	77·3	74·6	+3·8	80	+ 3	·857	152·6	69·8	0·000	..	·200
5	29·827	+·102	88·9	73·6	15·3	80·7	+1·9	77·0	74·5	+3·6	81	+ 4	·854	154·4	68·6	0·000	..	·180
6	29·757	+·032	87·9	73·5	14·4	79·6	+0·8	76·2	73·8	+2·9	83	+ 6	·834	141·9	68·6	0·060	15	·160
7	29·697	−·028	88·0	73·6	14·4	80·7	+2·0	76·9	74·3	+3·4	81	+ 4	·848	148·5	69·9	0·040	70	·220
8	29·781	+·056	90·1	75·6	14·5	82·1	+3·4	77·6	74·6	+3·7	78	+ 1	·857	146·8	69·7	0·000	..	·220
9	29·838	+·113	88·6	75·7	12·9	81·0	+2·3	77·3	74·7	+3·8	81	+ 4	·860	147·6	69·3	0·050	35	·190
10	29·790	+·064	88·8	75·7	13·1	81·4	+2·7	77·1	74·1	+3·2	79	+ 2	·843	150·1	69·1	0·000	..	·220
11	29·788	+·062	88·0	75·2	12·8	80·4	+1·8	75·9	72·8	+1·9	78	+ 1	·807	149·6	70·2	0·030	20	·210
12	29·802	+·075	86·7	74·4	12·3	79·7	+1·1	76·0	73·5	+2·5	82	+ 5	·826	148·1	69·1	0·150	10	·150
13	29·793	+·066	87·7	73·9	13·8	80·5	+1·9	75·4	71·8	+0·8	75	− 2	·779	141·1	67·1	0·050	60	·270
14	29·758	+·031	88·4	73·1	15·3	79·9	+1·4	74·9	71·4	+0·4	76	− 1	·769	149·9	65·3	0·000	..	·220
15	29·751	+·023	89·1	73·1	16·0	80·4	+1·9	75·8	72·6	+1·6	77	0	·801	149·6	65·9	0·005	15	·185
16	29·747	+·018	87·5	75·5	12·0	80·3	+1·8	75·6	72·3	+1·3	77	− 1	·793	144·1	72·9	0·810	105	·150
17	29·726	−·004	82·8	74·4	8·4	78·4	−0·1	76·0	74·3	+3·3	87	+ 9	·848	124·0	71·5	1·150	165	·200
18	29·705	−·026	87·3	74·5	12·8	80·3	+1·8	76·7	74·2	+3·2	82	+ 4	·846	148·5	68·4	0·060	25	·150
19	29·723	−·009	88·1	74·4	13·7	80·1	+1·7	76·7	74·4	+3·4	83	+ 5	·851	150·5	71·2	0·095	45	·185
20	29·740	+·007	87·6	72·5	15·1	78·3	−0·1	75·1	72·9	+1·9	84	+ 5	·810	148·1	70·0	1·120	225	·160
21	29·779	+·045	86·6	72·2	14·4	78·7	+0·4	75·6	73·3	+2·3	84	+ 5	·820	160·4	67·6	0·100	40	·180
22	29·798	+·063	85·3	73·6	11·7	79·0	+0·7	75·6	73·2	+2·2	83	+ 4	·818	144·3	67·5	0·200	45	·170
23	29·768	+·032	84·8	74·3	10·5	78·5	+0·2	74·6	71·9	+0·9	80	+ 1	·782	145·5	68·7	0·170	55	·190
24	29·717	−·020	85·6	71·4	14·2	78·7	+0·5	74·6	71·7	+0·7	79	0	·777	150·7	65·9	0·070	70	·230
25	29·683	−·055	84·6	74·6	10·0	78·6	+0·4	75·4	73·2	+2·3	84	+ 5	·818	139·8	72·9	0·055	40	·155
26	29·652	−·087	85·8	73·5	12·3	79·7	+1·6	76·0	73·4	+2·5	81	+ 2	·823	145·8	70·3	0·330	50	·190
27	29·579	−·161	87·0	75·5	11·5	80·5	+2·4	77·6	75·6	+4·7	85	+ 6	·885	145·9	71·9	0·060	45	·160
28	29·550	−·191	87·5	73·5	14·0	80·4	+2·3	77·5	75·5	+4·6	85	+ 6	·883	151·7	69·2	0·020	10	·160
Mean	29·744	+·014	87·2	74·0	13·2	79·9	+1·4	76·2	73·6	+2·7	81·4	+3·7	·829	147·7	69·3	Sum 5·135	Sum 1335	·183
Average	29·730	..	85·7	73·1	12·6	78·5	..	74·1	70·9	..	77·7	..	·757	147·1	68·9	7·682	2030	·213
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Feb. 1	5·0	8·4	6·5	50	+ 3·7	— 1·6	203	4·0	+ 120	— 4·3	4·1	79·6	76·02	c.f. : c. : c.f.l.
2	3·0	8·1	6·0	47	+ 2·7	— 2·2	219	3·5	+ 136	— 4·8	3·5	79·6	76·02	c.f. : c. : c.p.t. : c.f.l.
3	3·5	6·6	3·0	23	+ 0·4	+ 1·7	103	1·8	+ 20	— 6·5	4·3	79·6	76·02	c.f. : c.p.
4	4·0	5·5	10·0	78	+ 1·6	+ 4·4	110	4·7	+ 28	— 3·5	5·5	79·6	76·02	c.f. : c.f.l.t.
5	1·0	6·0	7·7	60	— 0·2	+ 2·5	85	2·5	+ 3	— 5·7	4·1	79·6	76·02	b. : c.f. : c. : c.f.l.t.
6	4·0	6·7	7·6	59	+ 0·6	+ 2·6	103	2·6	+ 21	— 5·6	5·2	79·6	76·02	c.f.l. : c.t. : c. : c.f.l.t.
7	3·0	8·1	8·7	67	+ 1·9	— 3·2	239	3·7	+ 157	— 4·5	4·9	79·7	76·07	o.t.l.p. : c.f.
8	1·0	5·3	11·7	91	+ 5·0	— 0·2	182	5·0	+ 100	— 3·2	6·1	79·7	76·17	c.p. : c.f. : c.f.l.
9	2·0	6·6	9·9	77	+ 1·0	+ 6·3	99	6·4	+ 17	— 1·8	6·7	79·7	76·17	c.f.l.t. : c.p. : c.f. : c.f.l.
10	5·0	6·2	10·7	84	+ 0·2	+ 7·3	92	7·3	+ 10	— 0·9	7·9	79·7	76·22	c.f. : c.f.l.t.
11	4·0	5·8	7·8	61	+ 0·3	+ 8·1	92	8·1	+ 10	— 0·1	8·2	79·7	76·22	c.l. : c.f. : c.p. : c.f.l.
12	4·0	6·7	9·1	71	+ 0·3	+ 6·8	93	6·8	+ 12	— 1·3	7·0	79·8	76·27	c.f. : c.p. : c.f.l.t.
13	6·0	5·0	11·6	91	+ 1·7	+ 7·1	103	7·3	+ 22	— 0·8	7·2	79·9	76·32	c.p.l.t. : c.f. : b.
14	2·0	7·5	9·6	76	+ 1·1	+ 7·2	99	7·3	+ 18	— 0·8	7·4	80·0	76·37	c.p. : c. : c.f.l.
15	2·0	7·3	8·3	65	+ 0·3	+ 7·2	92	7·2	+ 11	— 0·9	7·3	80·1	76·37	c.f. : c. : c.f.l.
16	7·0	8·4	8·5	67	— 1·1	+ 9·5	83	9·5	+ 2	+ 1·4	9·8	80·1	76·37	c.f. : c.t. : o.p.t.l.
17	4·0	10·0	0·4	3	0·0	+ 6·7	90	6·7	+ 9	— 1·4	6·7	80·1	76·42	o.p.t. sm. : o.t. : b.l.
18	2·0	8·7	6·4	50	+ 2·6	+ 4·9	118	5·6	+ 37	— 2·5	6·3	80·1	76·47	c.f. : c.p.t. : c.
19	5·0	8·9	6·7	53	+ 3·6	+ 4·2	131	5·5	+ 50	— 2·6	6·2	80·2	76·52	o.p. : c. : c.f.l.
20	4·0	7·3	7·9	63	+ 0·8	+ 4·0	101	4·1	+ 20	— 4·0	7·8	80·2	76·52	c.f. : o.r.
21	3·0	8·2	6·7	53	— 1·3	+ 5·0	75	5·2	— 6	— 2·8	6·3	80·3	76·57	c.f. : c.p. : c.f.
22	5·0	7·9	9·1	72	— 1·2	+ 6·9	80	7·0	0	— 1·0	7·3	80·3	76·62	c.f. : c. : c.p.t.l.
23	3·0	8·6	7·9	63	— 3·5	+ 9·2	69	9·8	— 11	+ 1·8	10·1	80·3	76·62	c.p.t. : c.t. : c.f.
24	6·0	6·0	11·1	88	— 5·0	+ 9·2	61	10·5	— 19	+ 2·5	10·7	80·3	76·62	c.f. : c.p.
25	6·0	8·0	5·7	46	— 3·9	+ 8·7	66	9·5	— 14	+ 1·5	10·0	80·3	76·67	c.p. : c. : c.p.
26	5·0	5·0	9·5	76	— 2·1	+ 7·5	74	7·8	— 6	— 0·2	8·1	80·4	76·67	c.f. : c.p.
27	2·0	7·6	10·3	82	+ 3·5	+ 2·9	140	4·6	+ 60	— 3·4	6·3	80·4	76·72	c.p. : c.f. : c. : b.
28	2·5	7·0	7·6	61	+ 5·5	+ 1·6	164	5·7	+ 84	— 2·3	6·1	80·5	76·77	c.f. : c. : c.f.
Mean	3·7	7·2	8·07	63·5	+ 0·66	+ 4·80	97·8	4·85	+16·6	— 3·28	6·82	79·98	76·35	..
Average	3·0	6·3	7·21	56·7	— 1·24	+ 8·03	81·2	8·13	..	..	10·99	80·74	77·64	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

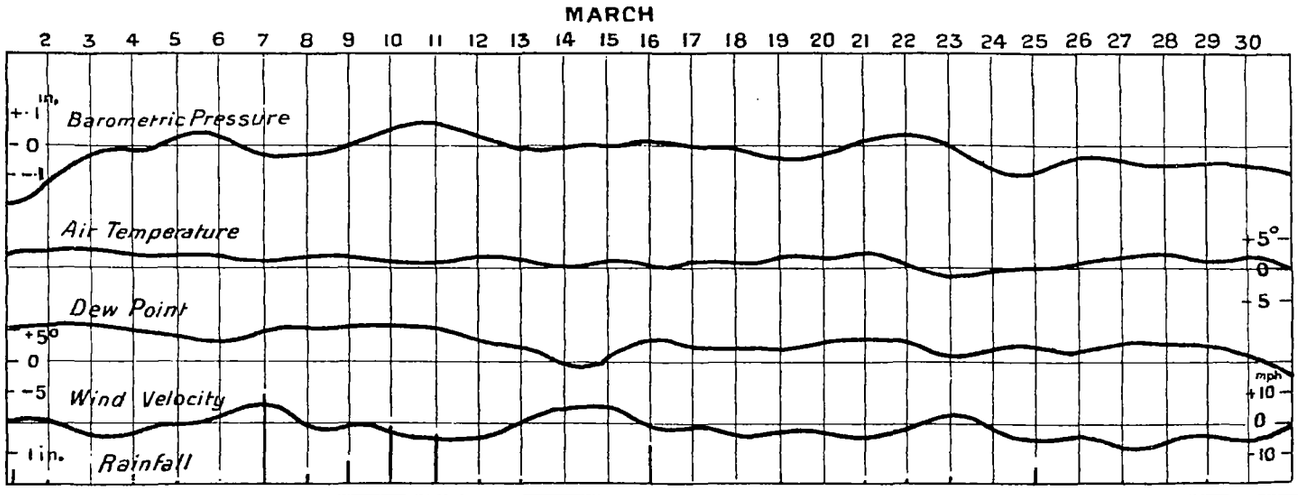
The vapour tension was above normal throughout the month, and the temperature above on every day except the 3rd, the 17th, and the 20th.

A positive wave of pressure, from the 3rd to the 17th, with a superposed negative wave culminating on the 7th, was accompanied by a positive wave of temperature, with a superposed negative wave culminating on the 6th. The decrease of pressure from the 9th to the 18th was accompanied by a negative wave of vapour tension superposed on a positive wave.

A negative wave of pressure from the 25th to the 4th of March, due to the passage of a cyclone to the north of the Island, was accompanied by positive waves of temperature and vapour tension and a negative wave of wind velocity, with a superposed positive wave culminating on the 1st.

The principal rainfall occurred from the 16th to the 23rd, during a shallow negative wave of pressure.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation = 100). Mean.	Degree of Humidity (Saturation = 100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Mar. 1	29·553	−·191	86·4	77·5	8·9	80·3	+2·3	77·9	76·2	+5·3	88	+ 9	·903	142·2	72·0	0·535	80	·185
2	29·625	−·120	86·6	76·8	9·8	80·7	+2·7	78·3	76·7	+5·8	88	+ 9	·918	143·0	72·8	0·080	30	·150
3	29·720	−·027	88·5	76·6	11·9	81·3	+3·4	78·3	76·3	+5·4	85	+ 6	·906	148·3	71·1	0·000	..	·160
4	29·742	−·007	86·3	76·5	9·8	80·0	+2·1	77·5	75·7	+4·8	87	+ 8	·888	147·8	71·3	0·370	85	·070
5	29·771	+·022	86·3	75·7	10·6	80·1	+2·3	77·0	74·9	+4·0	84	+ 4	·865	146·5	70·7	0·025	10	·165
6	29·773	+·023	84·1	75·6	8·5	79·5	+1·7	76·1	73·7	+2·9	83	+ 3	·832	141·7	70·7	0·025	10	·105
7	29·715	−·037	83·3	74·8	8·5	78·9	+1·1	77·1	75·8	+5·0	91	+ 11	·891	143·2	72·0	3·000	525	·070
8	29·726	−·027	85·7	75·7	10·0	79·7	+2·0	77·5	76·0	+5·2	88	+ 8	·897	148·5	72·6	0·280	90	·130
9	29·759	+·005	85·8	75·7	10·1	79·4	+1·7	77·5	76·2	+5·4	90	+ 10	·903	147·9	72·6	0·695	105	·105
10	29·805	+·049	83·8	76·1	7·7	78·5	+0·9	77·2	76·3	+5·5	93	+ 13	·906	142·8	72·3	1·980	240	·080
11	29·819	+·061	84·7	75·1	9·6	78·1	+0·5	76·7	75·7	+5·0	93	+ 13	·888	142·8	73·9	1·600	330	·060
12	29·789	+·030	86·8	72·8	14·0	79·6	+2·1	76·2	73·8	+2·9	82	+ 2	·834	150·0	70·0	0·035	10	·170
13	29·749	−·012	82·9	75·7	7·2	78·6	+1·1	74·9	72·3	+1·6	81	+ 1	·793	142·9	70·8	0·035	35	·115
14	29·747	−·015	82·8	73·7	9·1	77·4	0·0	73·3	70·4	−0·3	79	− 1	·744	157·2	70·0	0·000	..	·230
15	29·760	−·004	82·4	73·9	8·5	78·2	+0·9	74·4	71·7	+1·0	81	+ 1	·777	139·7	70·2	0·000	..	·180
16	29·783	+·017	84·7	75·0	9·7	77·4	+0·1	75·6	74·4	+3·8	91	+ 11	·851	154·2	73·3	1·275	175	·180
17	29·760	−·007	85·2	73·0	12·2	78·5	+1·3	75·1	72·7	+1·9	82	+ 2	·804	146·4	69·4	0·000	..	·170
18	29·760	−·009	85·8	73·1	12·7	78·1	+0·9	75·0	72·8	+2·2	84	+ 4	·807	147·6	70·8	0·020	5	·130
19	29·726	−·044	85·9	71·7	14·2	78·8	+1·7	75·0	72·4	+1·9	81	+ 1	·796	144·7	68·7	0·000	..	·180
20	29·741	−·031	85·5	73·5	12·0	79·0	+1·9	75·9	73·8	+3·3	84	+ 4	·834	149·7	71·1	0·000	..	·180
21	29·789	+·015	86·8	73·9	12·9	79·5	+2·5	76·4	74·3	+3·7	84	+ 6	·848	148·0	71·5	0·110	25	·210
22	29·811	+·036	84·8	72·7	12·1	77·3	+0·3	75·0	73·3	+2·9	88	+ 7	·820	145·4	70·2	0·110	125	·160
23	29·777	·000	81·5	69·8	11·7	75·6	−1·3	73·0	71·0	+0·6	86	+ 5	·759	147·2	67·2	0·240	165	·170
24	29·705	−·074	84·9	70·6	14·3	76·9	0·0	74·0	71·8	+1·5	84	+ 3	·779	147·5	66·8	0·000	..	·170
25	29·699	−·082	83·7	71·6	12·1	76·8	0·0	74·3	72·5	+2·2	87	+ 6	·799	137·7	66·5	0·630	55	·140
26	29·743	−·040	85·4	69·7	15·7	77·5	+0·8	74·0	71·5	+1·3	82	+ 1	·772	135·9	64·6	0·000	..	·230
27	29·728	−·056	87·4	71·0	16·4	78·3	+1·6	75·1	72·8	+2·6	83	+ 2	·807	142·6	66·7	0·000	..	·130
28	29·713	−·073	85·8	73·4	12·4	78·9	+2·3	75·2	72·5	+2·4	81	0	·799	145·8	68·5	0·000	..	·190
29	29·721	−·067	86·2	70·9	15·3	77·6	+1·0	74·5	72·4	+2·3	84	+ 3	·796	144·1	65·9	0·100	60	·160
30	29·724	−·066	86·6	72·9	13·7	78·8	+2·3	74·2	71·0	+1·0	77	− 4	·759	149·2	67·3	0·000	..	·190
31	29·713	−·079	84·3	69·7	14·6	76·4	−0·1	71·0	67·1	−2·9	73	− 8	·664	146·2	66·2	0·000	..	·120
Mean	29·740	−·026	85·2	73·7	11·5	78·6	+1·3	75·6	73·5	+2·9	84·7	+4·5	·827	145·7	69·9	Sum 11·145	Sum 2160	·151
Average	29·766	..	84·1	72·2	11·7	77·3	..	73·3	70·6	..	80·2	..	·747	144·9	68·2	9·873	2946	·181
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



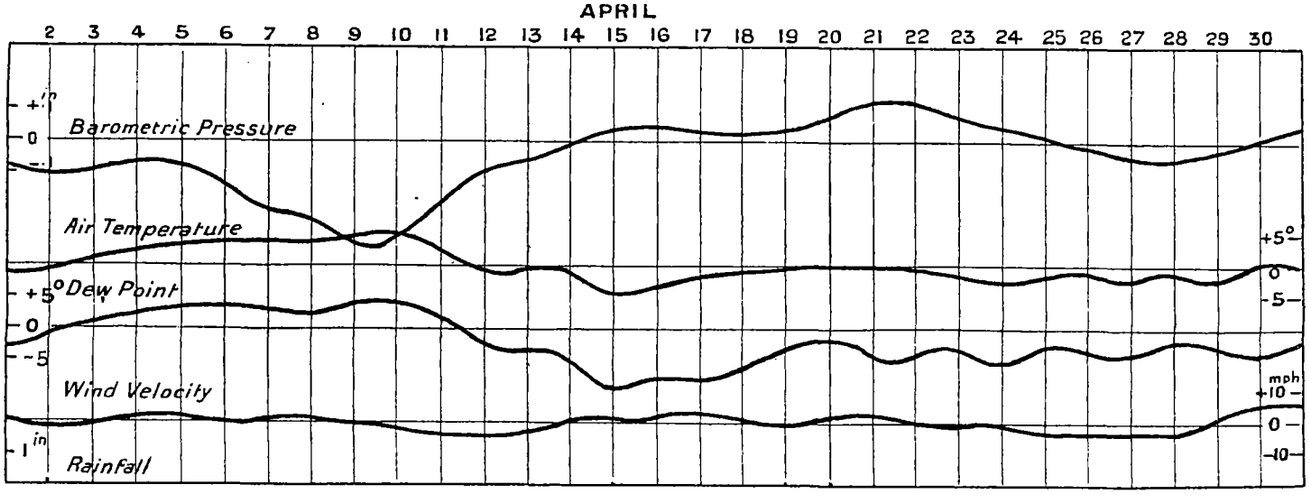
Month and Day, 1906.	Ozone (Scale 0–10).	Mean Amount of Cloud (Scale 0–10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Mar. 1	2·5	9·4	6·3	50	+ 2·1	+ 8·1	105	8·3	+ 25	+ 0·3	8·9	80·5	76·77	c.f. : c.p. : o.t. : c.p.
2	3·0	9·2	4·2	34	+ 7·2	+ 4·0	151	8·2	+ 71	+ 0·2	8·5	80·5	76·77	c. : c.p. : c.t.
3	2·0	7·8	6·0	48	+ 5·0	− 0·1	181	5·0	+ 101	− 3·0	5·2	80·5	76·82	c.f. : c.
4	1·0	7·2	7·7	62	+ 2·0	+ 4·8	113	5·2	+ 33	− 2·8	6·3	80·5	76·87	c.f. : c.r. : c.f.
5	0·0	8·9	5·0	40	− 1·0	+ 7·7	83	7·8	+ 3	− 0·2	8·0	80·5	76·87	c.f. : c.p. : c.
6	3·0	9·6	1·5	12	− 3·5	+10·0	71	10·6	− 8	+ 2·6	10·9	80·5	76·87	c.f. : c.
7	4·0	10·0	0·8	7	+ 2·7	+13·5	101	13·8	+ 22	+ 5·8	15·4	81·6	78·17	o.q.r.t.-sm. : o. : c.p.
8	1·0	9·4	4·3	35	+ 5·7	+ 4·6	141	7·3	+ 62	− 0·7	7·4	81·3	77·42	c.p. : c. : c.p.
9	0·0	9·0	4·8	39	+ 7·0	+ 2·3	162	7·4	+ 83	− 0·6	7·6	81·2	76·92	c.p. : c.
10	0·5	8·6	1·2	10	+ 4·4	+ 0·7	171	4·5	+ 92	− 3·5	5·2	81·2	76·82	c.p.
11	2·0	9·3	1·8	15	+ 2·8	+ 1·5	152	3·2	+ 73	− 4·8	3·8	81·3	76·72	c.r. : c.p. : o.r. : c.p.l.t.
12	1·0	7·7	8·3	67	+ 1·4	+ 1·8	128	2·2	+ 49	− 5·8	5·1	81·5	76·62	c.f. : c.p. : o.
13	2·0	9·4	2·0	16	− 7·0	+ 4·2	31	8·2	− 48	+ 0·2	8·4	81·5	76·62	c.f.l. : o. : c.p.
14	4·0	8·4	9·6	79	−10·1	+ 7·0	35	12·3	− 44	+ 4·3	12·5	81·5	76·62	c.f. : c. : c.f.
15	6·5	9·3	6·3	52	− 8·1	+11·0	54	13·7	− 25	+ 5·7	13·7	81·4	76·67	c.f. : o. : c.l.t.
16	4·5	10·0	2·7	22	− 3·2	+ 6·0	62	6·8	− 16	− 1·3	7·2	81·4	76·67	o.r.l.t. : c.p. : o.p.t. : o.l.
17	3·0	8·7	6·2	51	0·0	+ 6·2	90	6·2	+ 12	− 1·9	6·3	81·3	76·72	c.l. : c.
18	2·0	7·8	8·2	68	− 1·4	+ 4·2	72	4·4	− 6	− 3·7	5·8	81·3	76·72	c.p. : c.f. : c.t. : o.l.
19	0·5	6·6	8·2	68	− 0·8	+ 5·5	82	5·6	+ 4	− 2·5	5·8	81·3	76·72	o.l. : c.f. : c.t. : o.l.
20	0·5	8·9	7·9	65	− 0·5	+ 5·9	85	5·9	+ 7	− 2·2	6·2	81·3	76·77	o. : c.f. : c.t. : o.l.
21	1·0	8·0	7·6	63	+ 0·6	+ 3·7	99	3·8	+ 22	− 4·3	5·0	81·3	76·77	o. : c.f.t. : c.p. : o.
22	3·0	8·0	5·9	49	− 1·2	+ 6·4	79	6·5	+ 2	− 1·6	7·7	81·3	76·82	o. : c.f. : c.p.t. : o.p.
23	5·0	8·7	6·4	53	− 1·6	+10·8	82	10·9	+ 5	+ 2·7	11·5	81·2	76·82	o.q.p. : o.r. : c. : o.p.
24	3·0	8·6	8·7	72	+ 2·0	+ 5·2	111	5·6	+ 35	− 2·6	6·2	81·2	76·87	o. : c. : c.f. : o.
25	2·0	4·3	7·6	63	− 1·9	− 0·1	357	1·9	+ 281	− 6·3	4·9	81·3	76·87	o. : c.f. : b.
26	2·0	5·7	9·8	82	− 1·8	− 3·6	297	4·0	+ 221	− 4·3	5·4	81·3	76·92	c.f. : c. : b.
27	3·0	5·4	6·1	51	+ 0·3	+ 0·1	162	0·3	+ 86	− 8·0	4·2	81·3	76·92	b. : c.f. : c.p. : c.f.
28	3·0	8·9	7·4	62	− 2·6	+ 0·2	4	2·6	− 71	− 5·7	5·6	81·2	76·97	c. : c.f.
29	3·0	7·0	7·0	59	− 2·1	+ 3·5	59	4·1	− 16	− 4·2	5·4	81·2	76·97	c.f. : c. : b. : c.
30	4·0	6·5	10·3	87	− 2·1	+ 1·8	41	2·8	− 34	− 5·5	5·5	81·2	77·07	c.f. : b.
31	6·0	5·3	9·4	79	− 5·6	+ 4·1	36	7·0	− 39	− 1·3	7·5	81·1	77·12	c.f.
Mean	2·5	8·1	6·10	50·1	− 0·36	+ 4·55	85·5	4·56	+ 7·7	− 3·52	7·33	81·15	76·88	..
Average	3·6	6·4	6·72	55·3	− 1·70	+ 7·90	77·8	8·08	..	..	10·42	81·15	78·06	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure from the 9th to the 13th was accompanied by nearly normal temperature, high but decreasing vapour tension, and a negative wave of wind velocity. A positive wave of wind velocity followed till the 16th, and was accompanied by normal pressure and temperature and a negative wave of vapour tension.

A decrease of pressure from the 22nd to the 25th was accompanied by feeble negative waves of temperature and vapour tension and a positive wave of wind velocity.

Heavy rain fell from the 7th to the 11th, a negative wave of pressure culminating on the former date and a positive wave on the latter. Heavy rain fell on the 16th with normal pressure, and moderate rain fell from the 21st to the 23rd during a positive wave of pressure, and heavy rain on the 25th at the culmination of a negative wave of pressure.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100) Mean.	Degree of Humidity (Saturation=100) Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
April 1	29·709	−·085	82·7	67·8	14·9	75·3	−1·1	70·2	66·6	−3·3	74	− 7	·652	140·6	59·3	0·030	35	·240
2	29·685	−·111	83·6	71·3	12·3	75·6	−0·7	72·1	69·5	−0·3	82	+ 1	·721	150·7	65·6	0·070	35	·170
3	29·699	−·099	84·6	71·6	13·0	77·5	+1·2	73·4	70·4	+0·6	79	− 2	·744	141·1	63·8	0·000	..	·170
4	29·726	−·074	85·5	72·3	13·2	78·8	+2·6	74·8	72·0	+2·3	80	− 1	·785	145·0	65·4	0·000	..	·180
5	29·726	−·076	85·7	75·9	9·8	79·7	+3·6	75·6	72·8	+3·1	80	− 1	·807	146·0	72·3	0·000	..	·160
6	29·661	−·143	85·9	74·6	11·3	80·1	+4·0	76·0	73·1	+3·5	79	− 2	·815	147·6	71·4	0·000	..	·180
7	29·590	−·216	86·6	74·4	12·2	79·9	+3·9	75·5	72·5	+3·0	78	− 3	·799	146·6	67·6	0·000	..	·170
8	29·553	−·255	86·0	74·7	11·3	79·6	+3·7	75·1	72·0	+2·5	78	− 3	·785	142·9	69·4	0·000	..	·140
9	29·481	−·329	85·8	76·8	9·0	80·6	+4·7	76·3	73·4	+4·0	79	− 2	·823	147·4	70·9	0·000	..	·105
10	29·497	−·314	87·9	75·8	12·1	81·1	+5·3	76·5	73·4	+4·1	78	− 3	·823	146·5	70·0	0·000	..	·130
11	29·617	−·196	86·8	70·2	16·6	78·3	+2·5	74·2	71·2	+1·9	79	− 2	·764	137·2	62·3	0·000	..	·155
12	29·717	−·098	85·9	65·8	20·1	75·1	−0·6	70·2	66·6	−2·6	75	− 6	·652	135·2	61·9	0·000	..	·160
13	29·757	−·060	85·7	67·7	18·0	75·0	−0·6	69·7	65·8	−3·3	73	− 8	·635	148·7	58·3	0·000	..	·155
14	29·803	−·016	82·7	67·7	15·0	74·6	−0·9	68·5	64·1	−4·9	70	− 11	·598	142·9	57·3	0·000	..	·160
15	29·853	+·033	80·4	61·5	18·9	70·9	−4·5	64·4	59·3	−9·6	67	− 14	·505	140·0	52·3	0·000	..	·140
16	29·869	+·047	81·6	63·3	18·3	72·3	−3·1	65·8	60·9	−7·9	67	− 14	·535	141·7	53·4	0·000	..	·130
17	29·852	+·028	81·6	64·3	17·3	73·8	−1·5	66·0	60·3	−8·5	63	− 18	·524	138·8	51·3	0·000	..	·210
18	29·847	+·021	82·6	65·7	16·9	74·4	−0·8	67·6	62·6	−6·1	67	− 14	·568	141·0	56·9	0·000	..	·220
19	29·858	+·030	84·2	65·7	18·5	74·9	−0·2	69·3	65·3	−3·3	72	− 9	·624	151·0	57·3	0·015	15	·205
20	29·907	+·076	81·9	69·0	12·9	74·9	−0·1	70·1	66·6	−1·9	76	− 5	·652	139·2	61·4	0·055	50	·180
21	29·961	+·128	82·6	69·6	13·0	75·0	+0·1	68·6	63·9	−4·5	69	− 12	·594	139·7	61·5	0·000	..	·200
22	29·954	+·119	82·6	68·2	14·4	74·5	−0·3	68·6	64·3	−4·0	71	− 10	·603	145·0	57·2	0·000	..	·200
23	29·912	+·075	82·6	66·2	16·4	73·3	−1·4	68·4	64·7	−3·5	75	− 6	·611	145·3	57·0	0·000	..	·140
24	29·882	+·043	80·1	63·6	16·5	71·7	−2·9	66·5	62·6	−5·5	73	− 8	·568	135·2	56·4	0·000	..	·170
25	29·853	+·011	81·1	66·0	15·1	73·1	−1·4	68·7	65·4	−2·6	77	− 4	·626	132·7	56·3	0·000	..	·135
26	29·827	−·017	84·5	64·6	19·9	73·3	−1·1	68·1	64·3	−3·6	74	− 7	·603	142·5	55·2	0·000	..	·170
27	29·804	−·042	83·6	62·7	20·9	72·0	−2·3	67·3	63·8	−4·0	76	− 4	·592	145·1	53·5	0·000	..	·180
28	29·786	−·062	83·8	65·3	18·5	72·9	−1·3	68·8	65·7	−2·0	78	− 2	·633	141·7	58·4	0·000	..	·190
29	29·827	−·023	77·5	65·6	11·9	72·0	−2·1	67·7	64·4	−3·2	77	− 3	·605	115·3	58·1	0·000	..	·120
30	29·862	+·009	79·7	70·4	9·3	74·1	+0·1	67·8	63·1	−4·3	69	− 11	·578	139·7	63·9	0·000	..	·180
Mean	29·769	−·053	83·5	68·6	14·9	75·5	+0·2	70·4	66·7	−2·1	74·5	− 6·4	·661	141·7	60·9	Sum 0·170	Sum 135	·168
Average	29·822	..	82·1	70·0	12·1	75·3	..	71·4	68·8	..	80·9	..	·704	140·8	65·2	4·712	1708	·166
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



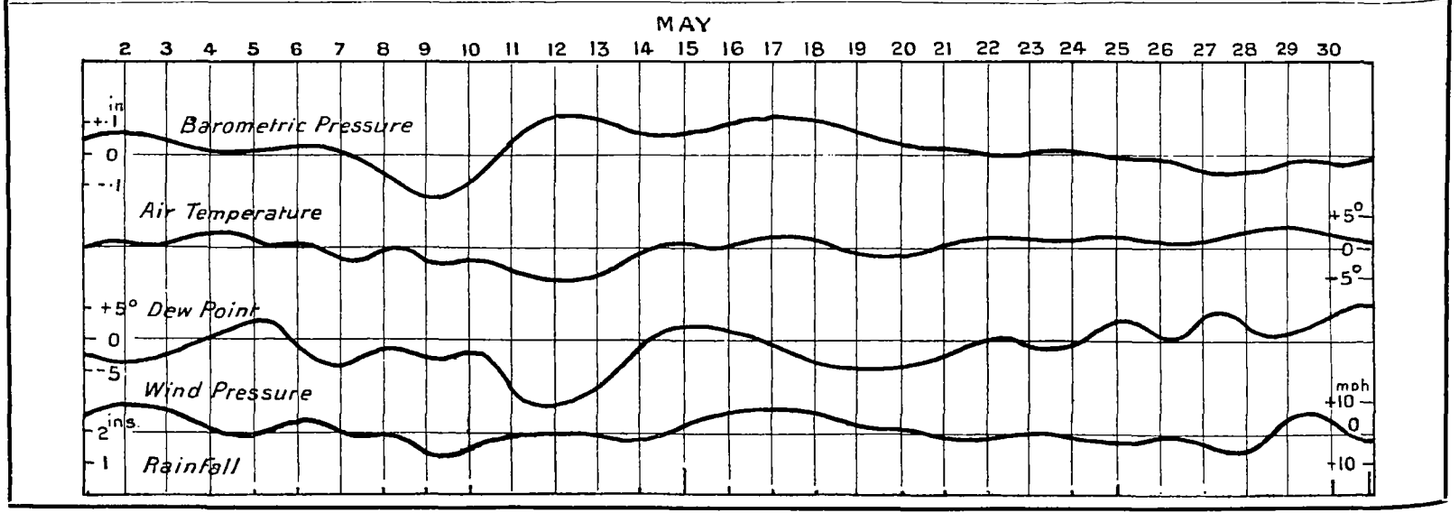
Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
April 1	6·0	6·0	10·3	87	− 3·2	+ 8·5	69	9·1	− 5	+ 0·7	9·5	81·1	77·12	c.f. : c.p.
2	6·0	8·7	5·5	47	0·0	+ 8·0	90	8·0	+ 16	− 0·4	8·3	81·1	77·17	c.f. : c.p. : c.f.
3	6·0	5·0	10·6	90	+ 0·1	+ 7·9	91	7·9	+ 17	− 0·5	8·2	81·2	77·22	c.f.
4	5·0	4·8	10·4	88	− 0·8	+ 8·9	85	8·9	+ 12	+ 0·5	9·1	81·2	77·27	b. : c.f.
5	5·0	6·7	9·8	83	− 4·3	+ 9·4	65	10·4	− 8	+ 2·0	10·4	81·1	77·32	b. : c.f. : b.
6	2·5	4·0	10·5	89	− 2·6	+ 8·2	72	8·6	− 1	+ 0·1	8·7	81·0	77·37	b. : c.f.
7	3·0	5·0	10·2	86	− 5·9	+ 6·8	49	9·0	− 23	+ 0·5	9·2	81·0	77·42	c.f.
8	4·0	6·8	9·6	82	− 5·3	+ 5·5	46	7·6	− 26	− 0·9	7·8	81·0	77·47	c.f. : c.
9	5·0	8·7	4·3	37	− 6·1	+ 6·0	44	8·6	− 28	+ 0·1	8·9	81·0	77·47	c.f. : c. : c.f.
10	4·5	6·8	9·3	79	− 5·0	+ 4·8	44	6·9	− 28	− 1·6	7·3	80·9	77·47	c.f.
11	2·0	3·7	10·9	93	− 4·2	− 3·9	317	5·8	+ 246	− 2·8	6·6	80·9	77·52	c.f.
12	3·0	2·0	11·0	94	− 2·9	− 3·1	313	4·2	+ 242	− 4·4	5·3	80·9	77·57	c.f. : b.
13	3·0	3·3	10·3	89	− 4·8	+ 1·4	16	5·0	− 55	− 3·6	6·4	81·0	77·57	c.f. : b.
14	4·0	6·0	10·1	87	− 7·1	+ 6·2	41	9·5	− 30	+ 0·9	9·5	80·9	77·62	c.f. : b.
15	5·0	6·5	9·8	84	− 6·2	+ 7·0	48	9·3	− 22	+ 0·7	9·5	80·9	77·62	b. : c.f. : b.
16	5·0	3·7	10·6	91	− 8·1	+ 6·8	40	10·6	− 30	+ 2·0	11·0	80·9	77·62	b. : c.f. : b.
17	5·0	1·5	11·0	95	− 8·9	+ 7·8	41	11·9	− 29	+ 3·3	12·0	80·9	77·67	b. : c.f. : b.
18	4·0	2·5	10·8	93	− 5·4	+ 8·1	56	9·7	− 14	+ 1·1	9·9	80·9	77·67	b. : c.f. : b. : c.
19	5·0	5·8	9·8	85	− 5·5	+ 6·3	49	8·4	− 20	− 0·2	8·5	80·8	77·72	c.p. : c.f.
20	4·0	7·5	7·8	68	− 2·9	+ 9·0	72	9·4	+ 3	+ 0·8	9·8	80·8	77·77	c.f. : c.p. : b.
21	4·0	5·5	10·4	82	− 3·7	+ 10·3	70	11·0	+ 1	+ 2·4	11·1	80·9	77·82	c.f.
22	4·0	5·5	10·6	92	− 3·9	+ 7·1	61	8·1	− 8	− 0·5	8·2	80·9	77·82	c.f. : c.
23	4·0	7·4	6·0	52	− 2·2	+ 7·0	73	7·3	+ 4	− 1·3	7·5	80·8	77·77	c.f.
24	5·0	8·9	7·0	61	− 3·0	+ 5·8	63	6·6	− 5	− 2·0	6·5	80·7	77·77	c.f.
25	5·0	8·1	6·7	59	− 1·3	+ 5·6	77	5·7	+ 9	− 2·9	6·0	80·6	77·82	c.f.
26	5·0	5·0	7·7	68	− 2·1	+ 4·9	67	5·4	− 1	− 3·3	5·8	80·6	77·82	c.f. : b.
27	5·0	3·7	9·2	81	− 1·3	+ 4·7	75	4·9	+ 7	− 3·8	5·8	80·5	77·87	c.f.
28	5·0	7·9	7·8	68	+ 2·5	+ 4·2	121	4·9	+ 53	− 3·8	5·6	80·4	77·87	c.f.
29	6·0	9·3	1·1	10	− 8·0	+ 6·2	38	10·1	− 29	+ 1·4	11·0	80·4	77·92	c.f. : o. : c.f.
30	6·0	9·6	4·8	42	− 9·8	+ 8·8	42	13·2	− 25	+ 4·9	13·4	80·3	77·92	c.f. : o. : c.f.
Mean	4·5	5·9	8·80	75·8	− 4·06	+ 6·14	56·5	7·36	−13·9	− 1·20	8·56	80·85	77·60	..
Average	4·1	5·7	7·31	63·1	− 2·87	+ 8·06	70·4	8·56	..	..	10·51	80·82	78·31	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A negative wave of pressure from the 5th to the 12th, due to the passage of a cyclone to the east of the Island, was accompanied by positive waves of temperature and vapour tension, with a feeble negative wave of wind velocity during the increase of pressure. A general increase of pressure continued till the 21st, and was accompanied by a large negative wave of vapour tension, a smaller negative wave of temperature, and nearly normal wind velocity.

A negative wave of pressure from the 21st to the 30th was accompanied by shallow negative waves of temperature and wind velocity with variable vapour tension.

The rainfall in the central and northern districts was the least on record.

Month and Day. 1906.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
May 1	29·905	+·050	81·1	71·3	9·8	73·6	−0·3	68·8	65·1	− 2·2	75	− 5	·620	143·5	62·1	0·060	125	·135
2	29·931	+·074	80·2	70·6	9·6	74·4	+0·6	68·1	63·5	− 3·7	69	− 11	·586	133·3	68·2	0·010	30	·200
3	29·905	+·046	80·2	71·3	8·9	74·3	+0·6	68·8	64·8	− 2·3	72	− 8	·613	132·8	68·3	0·000	..	·180
4	29·871	+·010	82·3	72·7	9·6	76·1	+2·5	70·9	67·2	+ 0·2	74	− 6	·666	136·8	69·9	0·000	..	·160
5	29·877	+·013	84·0	72·1	11·9	74·8	+1·3	72·0	70·0	+ 3·1	85	+ 5	·733	149·4	68·0	0·220	125	·120
6	29·893	+·027	79·9	69·5	10·4	74·0	+0·6	69·1	65·4	− 1·4	75	− 5	·626	136·1	60·9	0·020	20	·185
7	29·882	+·014	79·3	66·1	13·2	71·8	−1·5	66·6	62·6	− 4·1	73	− 7	·568	132·8	56·3	0·000	..	·115
8	29·814	−·056	80·3	67·1	13·2	72·6	−0·6	68·3	65·1	− 1·4	77	− 3	·620	136·3	57·3	0·045	110	·170
9	29·734	−·138	80·8	64·3	16·5	71·1	−2·0	66·7	63·3	− 3·1	76	− 4	·582	126·5	57·3	0·090	55	·190
10	29·771	−·104	79·1	64·1	15·0	70·8	−2·1	67·2	64·5	− 1·8	81	+ 1	·607	133·3	58·1	0·240	110	·140
11	29·917	+·040	78·1	59·2	18·9	69·1	−3·7	62·8	57·8	− 8·3	67	− 13	·479	134·2	50·8	0·000	..	·175
12	29·997	+·117	78·7	58·8	19·9	67·6	−5·1	61·1	55·8	−10·2	66	− 14	·446	135·2	49·1	0·000	..	·190
13	29·993	+·111	79·5	57·4	22·1	68·2	−4·4	62·7	58·4	− 7·5	71	− 9	·489	128·8	47·6	0·000	..	·180
14	29·950	+·065	81·2	62·4	18·8	71·7	−0·7	67·9	64·9	− 0·8	79	− 1	·615	135·4	52·4	0·050	65	·155
15	29·951	+·064	78·7	69·4	9·3	73·0	+0·7	70·1	68·0	+ 2·4	84	+ 4	·684	133·4	67·5	0·880	290	·120
16	29·993	+·103	76·7	69·0	7·7	72·5	+0·3	69·2	66·7	+ 1·3	82	+ 3	·655	124·0	67·5	0·390	190	·210
17	30·020	+·128	78·6	69·1	9·5	73·6	+1·6	68·6	64·8	− 0·5	74	− 5	·613	134·3	67·2	0·055	40	·155
18	30·001	+·107	78·7	67·0	11·7	73·1	+1·2	66·4	61·3	− 3·8	67	− 12	·543	131·6	57·6	0·020	15	·200
19	29·975	+·078	77·9	65·0	12·9	71·1	−0·6	64·9	60·1	− 4·8	68	− 11	·520	131·2	54·8	0·000	..	·190
20	29·931	+·032	76·5	66·1	10·4	70·4	−1·2	64·9	60·7	− 4·1	72	− 7	·531	127·3	58·6	0·030	15	·135
21	29·920	+·018	78·7	65·9	12·8	71·7	+0·2	66·3	62·2	− 2·4	72	− 7	·560	133·9	59·9	0·015	25	·155
22	29·902	−·002	79·5	66·4	13·1	72·4	+1·1	68·0	64·6	+ 0·1	77	− 2	·609	134·7	59·2	0·010	5	·135
23	29·906	−·001	79·3	67·3	12·0	72·2	+1·0	67·1	63·3	− 1·0	74	− 5	·582	128·0	58·8	0·000	..	·180
24	29·913	+·004	79·2	65·3	13·9	71·9	+0·9	67·5	64·1	0·0	77	− 2	·598	131·9	56·0	0·070	70	·160
25	29·906	−·005	78·3	68·7	9·6	72·2	+1·3	69·5	67·5	+ 3·5	85	+ 7	·673	133·2	63·3	0·390	270	·130
26	29·901	−·013	78·6	65·2	13·4	71·5	+0·7	67·4	64·3	+ 0·5	78	0	·603	131·9	59·2	0·000	..	·140
27	29·865	−·051	78·8	66·4	12·4	71·6	+0·9	69·5	67·8	+ 4·1	88	+ 10	·680	126·8	59·3	0·085	80	·105
28	29·857	−·062	81·8	65·1	16·7	72·8	+2·3	68·6	65·5	+ 2·0	78	0	·628	140·2	58·4	0·000	..	·125
29	29·895	−·026	78·8	70·4	8·4	73·4	+3·0	67·9	63·8	+ 0·4	72	− 6	·592	129·1	62·8	0·000	..	·145
30	29·892	−·032	75·6	70·1	5·5	72·3	+2·0	69·5	67·4	+ 4·2	85	+ 7	·671	95·6	69·0	0·565	280	·145
31	29·913	−·013	74·0	68·5	5·5	70·6	+0·4	69·3	68·2	+ 5·2	92	+ 14	·689	91·1	68·2	0·780	580	·140
Mean	29·909	+·019	79·2	66·8	12·4	72·1	0·0	67·6	64·2	− 1·1	76·3	−3·0	·603	130·7	60·4	Sum 4·025	Sum 2500	·157
Average	29·890	..	79·0	66·4	12·6	72·1	..	68·1	65·3	..	79·3	..	·625	135·1	60·5	3·084	1335	·145
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
May 1	6·0	9·5	4·3	38	− 8·3	+11·0	53	13·8	− 14	+ 5·1	14·0	80·3	77·82	c.f. : c.q. : o.p.
2	6·0	8·6	6·8	60	− 9·8	+15·0	57	17·9	− 10	+ 9·2	17·9	80·2	77·92	o.p. : c.f.q. : o.
3	5·0	9·0	6·0	53	− 9·1	+13·8	57	16·5	− 10	+ 7·8	16·5	80·1	77·92	c.f.q. : o.
4	5·0	9·2	4·1	36	− 5·6	+ 8·4	56	10·1	− 11	+ 1·3	10·3	80·1	77·97	o. : c. : o.
5	5·0	9·8	1·9	17	− 3·5	+ 6·5	62	7·4	− 4	− 1·4	7·5	80·0	77·97	o. : c.p. : o.p.
6	6·0	7·7	8·8	78	− 3·5	+12·4	74	12·9	+ 8	+ 4·1	13·1	80·0	77·97	o.p. : c.f.q.
7	5·0	5·8	9·5	84	− 2·0	+ 8·5	77	8·8	+ 11	0·0	8·9	79·9	77·97	c.f.
8	5·0	8·5	7·1	63	− 0·1	+ 8·2	89	8·2	+ 23	− 0·6	8·4	79·9	77·97	c.f. :o.p.: c.f.
9	4·0	3·0	9·3	83	− 0·8	− 0·5	328	1·0	+262	− 7·8	5·8	79·9	78·02	c.f. : o.p.t. : b.
10	5·0	8·4	4·9	44	− 4·5	− 0·4	355	4·5	+289	− 4·3	6·6	79·8	78·02	b. :o.r. : c.f. : b.
11	5·0	3·6	10·3	92	− 7·7	+ 3·0	21	8·2	− 44	− 0·6	8·6	79·8	77·97	b. : c.f. : c. : c.f.
12	4·0	6·1	7·7	69	− 7·0	+ 4·5	33	8·3	− 32	− 0·5	8·5	79·7	77·97	b. : c.f. : b.
13	5·0	3·0	10·5	94	− 5·4	+ 6·2	49	8·2	− 16	− 0·6	8·5	79·6	77·97	c.f. : b.
14	4·0	4·2	8·7	78	− 0·5	+ 6·5	94	6·5	+ 29	− 2·4	7·1	79·6	77·97	c.p. : b.
15	5·0	9·9	1·7	15	− 5·9	+10·7	61	12·2	− 4	+ 3·3	12·5	79·5	77·97	o.p.
16	6·0	9·9	0·9	8	− 8·3	+12·9	57	15·4	− 8	+ 6·5	15·4	79·4	78·02	o.p. : o.
17	5·0	8·0	8·7	78	− 8·0	+14·9	62	16·9	− 3	+ 8·0	17·0	79·4	78·02	c.p. : c.f.q.
18	5·0	5·3	8·9	80	− 6·9	+13·6	63	15·2	− 1	+ 6·2	15·3	79·3	77·97	c.f.q.
19	4·0	6·5	9·2	83	− 6·1	+ 9·7	58	11·5	− 6	+ 2·5	11·6	79·3	77·97	b. : c.f. : b.
20	5·0	8·2	7·9	71	− 5·1	+ 9·2	61	10·5	− 3	+ 1·5	10·8	79·3	77·97	c.f.
21	5·0	6·0	8·7	78	− 4·3	+ 7·7	61	8·8	− 3	− 0·3	9·0	79·2	77·97	c.d. : c.f.
22	6·0	8·0	6·2	56	− 2·2	+ 7·6	74	7·9	+ 10	− 1·2	8·2	79·1	77·97	c.f. : b.
23	6·0	3·5	10·2	93	− 3·5	+ 8·6	68	9·3	+ 4	+ 0·2	9·5	79·1	78·02	b. : c.f. : b.
24	5·0	5·3	10·0	91	− 4·6	+ 6·9	56	8·3	− 8	− 0·9	8·3	79·0	78·02	b. : c.f. : b. : o.
25	5·0	9·2	4·2	38	− 3·1	+ 6·5	64	7·2	+ 1	− 2·0	7·9	78·9	78·02	o.p. : c. : c.f. : b.
26	2·0	4·5	9·7	88	− 4·0	+ 6·9	60	7·9	− 3	− 1·4	8·1	78·9	78·02	b. : c.f. : b.
27	4·0	7·7	4·6	42	− 0·5	+ 4·6	84	4·6	+ 21	− 4·7	5·3	78·8	77·97	c.f. : b.
28	4·0	4·5	8·3	75	− 1·5	+ 2·6	60	3·0	− 3	− 6·3	4·8	78·7	77·97	c.f. : b.
29	5·0	5·8	7·9	72	−12·0	+ 7·9	33	14·4	− 30	+ 5·0	14·8	78·7	77·97	c.f. : c.p. : o.
30	4·0	10·0	0·0	0	− 7·6	+ 8·6	49	11·5	− 13	+ 2·1	11·7	78·6	78·02	o. : o.r.
31	4·0	10·0	0·0	0	− 5·0	+ 5·4	47	7·4	− 15	− 2·1	7·6	78·6	78·02	o.r.
Mean	4·8	7·1	6·68	59·9	− 5·01	+ 7·98	57·9	9·42	−6·8	+ 0·42	10·31	79·44	77·98	..
Average	4·4	5·1	7·37	66·4	− 3·85	+ 8·13	64·7	9·00	..	..	10·27	79·71	78·39	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

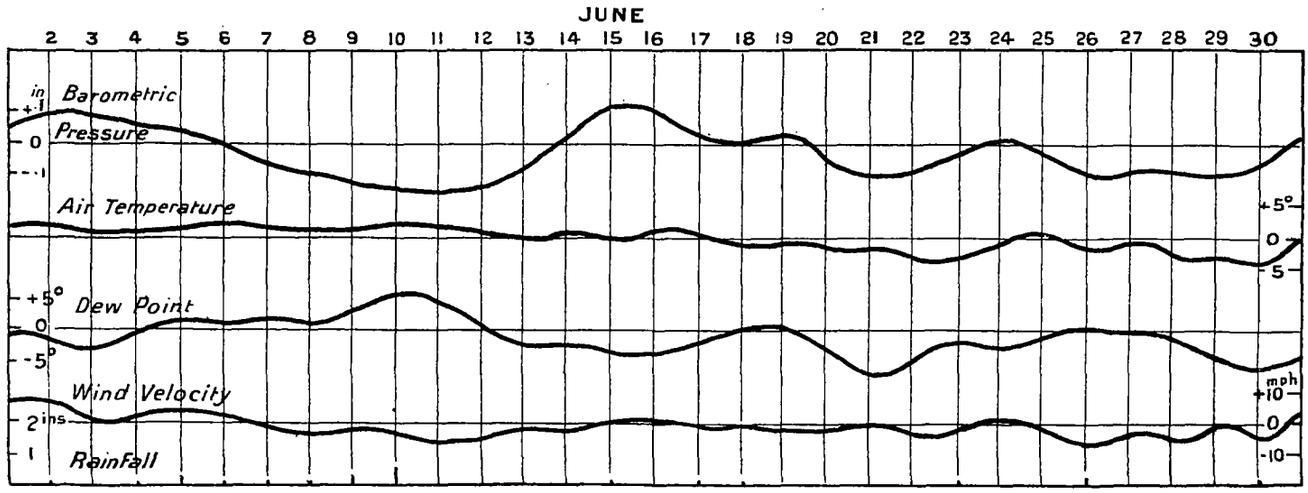
A double wave of pressure from the 6th to the 15th (from negative to positive) was accompanied by a double wave of vapour tension (from positive to negative) and a negative wave of temperature. The negative portion of the pressure wave was accompanied by a feeble negative wave of wind velocity.

A positive wave of pressure from the 15th to the 22nd was accompanied by a negative wave of vapour tension, a positive wave of wind velocity, and a feeble double wave of temperature (from positive to negative).

A negative wave of pressure from the 26th to the 31st was accompanied by a positive wave of temperature, two successive positive waves of vapour tension, and a double wave of wind velocity (from negative to positive).

The principal rainfall occurred from the 8th to the 10th and 14th to 16th, epochs of minimum pressure, and on the 30th and 31st with steady pressure, somewhat below normal.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
June 1	29·972	+·043	77·4	68·7	8·7	71·9	+1·9	66·5	62·5	−0·3	72	− 6	·566	133·7	66·9	0·000	..	·140
2	30·027	+·095	76·9	67·3	9·6	71·3	+1·4	65·4	60·9	−1·8	70	− 8	·535	126·6	63·9	0·025	40	·205
3	30·026	+·091	77·7	66·0	11·7	70·6	+0·8	64·4	59·5	−3·0	68	− 9	·509	123·8	58·4	0·000	..	·102
4	30·005	+·067	76·9	65·3	11·6	70·4	+0·7	65·5	61·6	−0·8	74	− 3	·548	128·7	60·1	0·015	15	·145
5	29·983	+·043	76·9	66·0	10·9	70·6	+1·0	66·6	63·5	+1·3	78	+ 1	·586	134·0	61·7	0·220	165	·170
6	29·942	−·001	77·1	67·7	9·4	71·6	+2·1	66·9	63·2	+1·1	75	− 2	·580	126·4	65·6	0·080	30	·150
7	29·872	−·074	78·4	66·2	12·2	70·8	+1·4	66·8	63·8	+1·9	79	+ 2	·592	127·1	61·4	0·020	15	·150
8	29·859	−·090	77·7	64·2	13·5	70·2	+0·9	65·7	62·2	+0·4	76	− 1	·560	128·3	58·8	0·045	35	·130
9	29·827	−·125	77·4	65·9	11·5	70·2	+1·0	66·9	64·3	+2·6	82	+ 5	·603	135·3	57·2	0·300	260	·160
10	29·813	−·141	76·2	68·5	7·7	71·3	+2·2	69·1	67·4	+5·8	88	+ 11	·671	124·0	66·8	0·560	275	·130
11	29·805	−·152	78·4	64·2	14·2	70·6	+1·6	68·1	66·1	+4·7	86	+ 9	·641	132·3	59·1	0·000	..	·090
12	29·813	−·146	79·1	63·5	15·6	69·9	+1·0	65·1	61·5	+0·2	75	− 1	·546	130·8	56·6	0·000	..	·135
13	29·886	−·076	77·4	61·2	16·2	68·2	−0·6	62·8	58·5	−2·7	71	− 5	·491	134·4	54·0	0·000	..	·120
14	29·985	+·020	76·9	63·6	13·3	69·1	+0·4	63·3	58·7	−2·4	70	− 6	·494	129·8	56·6	0·000	..	·130
15	30·078	+·111	76·1	59·1	17·0	68·5	−0·1	62·5	57·8	−3·2	69	− 7	·479	127·6	51·7	0·020	20	·140
16	30·080	+·111	75·8	63·9	11·9	69·2	+0·7	62·3	56·9	−4·0	65	− 11	·464	129·8	56·9	0·010	5	·150
17	29·998	+·026	74·9	65·2	9·7	68·8	+0·4	63·1	58·7	−2·1	70	− 6	·494	126·7	58·6	0·025	30	·135
18	29·974	·000	73·9	63·3	10·6	67·3	−1·1	63·6	60·6	−0·1	79	+ 3	·529	126·3	55·1	0·060	85	·130
19	29·949	+·027	75·3	61·4	13·9	67·5	−0·8	63·8	60·9	+0·3	80	+ 4	·535	126·4	51·8	0·000	..	·115
20	29·906	−·072	76·0	55·4	20·6	66·2	−2·0	61·4	57·4	−3·1	74	− 2	·472	128·4	48·7	0·000	..	·110
21	29·876	−·103	73·8	59·3	14·5	66·7	−1·5	59·1	52·9	−7·5	61	− 15	·401	120·4	49·7	0·000	..	·160
22	29·891	−·090	73·2	55·4	17·8	64·2	−3·9	59·4	55·4	−4·9	73	− 3	·439	129·1	47·8	0·005	15	·110
23	29·943	−·039	73·7	56·9	16·8	64·9	−3·2	61·1	57·9	−2·3	78	+ 2	·480	125·8	49·9	0·170	95	·150
24	29·987	+·003	75·2	57·7	17·5	67·1	−0·9	61·6	57·2	−3·0	71	− 5	·469	127·3	46·5	0·020	20	·135
25	29·948	−·037	76·5	60·9	15·6	68·3	+0·4	63·1	59·0	−1·1	72	− 4	·500	127·7	54·2	0·000	..	·115
26	29·886	−·101	77·0	58·9	18·1	65·9	−2·0	62·6	59·9	−0·1	81	+ 5	·516	134·8	51·3	0·245	120	·115
27	29·894	−·094	77·2	60·5	16·7	67·7	−0·2	63·0	59·2	−0·7	74	− 2	·503	134·0	52·5	0·000	..	·125
28	29·897	−·093	76·4	56·3	20·1	64·8	−3·0	61·2	58·1	−1·8	79	+ 3	·483	138·0	48·3	0·000	..	·100
29	29·891	−·100	75·8	55·6	20·2	64·5	−3·3	59·3	54·9	−4·9	71	− 5	·431	127·8	46·4	0·000	..	·120
30	29·919	−·074	75·5	53·5	22·0	62·9	−4·8	58·2	54·2	−5·6	73	− 3	·421	130·8	48·1	0·010	25	·120
Mean	29·931	−·034	76·4	62·1	14·3	68·4	−0·3	63·6	59·8	−1·3	74·5	−1·9	·518	129·2	55·5	Sum 1·830	Sum 1250	·133
Average	29·965	..	76·2	62·5	13·7	68·7	..	64·4	61·1	..	76·4	..	·538	131·3	56·2	2·084	1275	·125
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0–10).	Mean Amount of Cloud (Scale 0–10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
June 1	5·0	9·2	3·2	29	−10·9	+12·1	48	16·3	− 14	+ 6·8	16·6	78·5	78·02	o. : c.
2	5·0	7·3	8·8	80	− 9·1	+13·2	55	16·0	− 7	+ 6·4	16·2	78·4	78·02	o.p. : c.f.q. : b.
3	6·0	3·5	9·6	87	− 3·8	+ 9·3	68	10·1	+ 7	+ 0·5	10·1	78·4	77·97	c.f. : f. : c.f.
4	6·0	4·0	9·9	90	− 6·3	+10·6	59	12·4	− 2	+ 2·7	12·5	78·3	77·97	c.f.
5	5·0	6·7	7·5	68	− 5·0	+11·9	67	12·9	+ 6	+ 3·2	13·1	78·2	77·92	c.p. : c.f. : op.
6	5·0	6·0	9·5	87	− 3·1	+11·9	75	12·3	+ 14	+ 2·5	12·6	78·2	77·92	c.f.q. : o.p.
7	5·0	2·8	8·8	81	− 2·7	+ 8·0	71	8·5	+ 10	− 1·3	8·7	78·2	77·92	c. : c.p. : c.f. : c.p.
8	5·0	6·2	8·2	75	− 4·0	+ 6·6	59	7·7	− 2	− 2·2	7·7	78·1	77·92	c.f. : c.p. : c.f. : c.p.
9	4·0	8·4	6·7	61	− 3·0	+ 7·7	69	8·2	+ 8	− 1·7	8·5	78·1	77·92	c.f. : c.p. : o.p.
10	6·0	9·0	1·7	16	+ 2·3	+ 6·3	110	6·7	+ 49	− 3·3	7·2	78·1	77·97	o.p. : c.
11	4·0	7·0	7·1	65	+ 3·9	+ 0·1	178	3·9	+118	− 6·1	4·1	78·0	77·92	c. : c.f. : b.
12	5·0	7·6	9·2	84	− 5·3	+ 0·7	7	5·3	− 53	− 4·8	7·4	78·0	77·92	b. : c.f. : c. : b.
13	4·0	7·3	7·2	66	− 8·6	+ 2·6	17	9·0	− 43	− 1·1	9·1	77·9	77·92	b. : c.f. : b.
14	4·0	6·3	8·4	77	− 6·7	+ 4·2	32	7·9	− 28	− 2·3	8·3	77·9	77·97	o. : c.f.
15	5·0	8·7	8·2	75	− 6·8	+ 9·1	53	11·4	− 7	+ 1·2	11·5	77·8	77·92	c.f. : c.p.q. : c.f.
16	5·0	9·4	6·1	56	− 5·0	+ 9·9	63	11·1	+ 3	+ 0·8	11·2	77·7	77·87	c.p. : c. : o.
17	5·0	7·8	7·2	66	− 4·5	+ 9·2	64	10·2	+ 4	− 0·1	10·4	77·6	77·87	o. : c.f. : c.p.
18	6·0	7·7	7·6	70	− 3·8	+ 8·5	66	9·3	+ 6	− 1·0	9·3	77·6	77·82	c.p. : c.f. : c.p. : c.f. : b.
19	5·0	6·8	6·8	62	− 4·4	+ 6·6	56	7·9	− 4	− 2·5	8·1	77·6	77·77	b. : c.f. : b.
20	6·0	5·7	8·4	77	− 6·4	+ 5·3	40	8·3	− 20	− 2·1	8·4	77·5	77·72	b. : c.f. : c. : b.
21	5·0	1·8	10·2	94	− 8·1	+ 6·9	40	10·7	− 20	+ 0·3	11·0	77·4	77·67	b. : o.
22	4·0	5·2	6·9	63	− 4·7	+ 3·7	38	6·0	− 22	− 4·4	6·6	77·3	77·62	o. : c.f. : b.
23	5·0	8·5	7·0	64	− 5·4	+ 6·7	51	8·6	− 10	− 1·9	8·9	77·2	77·62	b. : c.p. : b.
24	5·0	5·3	9·6	88	− 2·5	+10·4	76	10·7	+ 15	+ 0·2	11·0	77·2	77·57	b. : o.p. : b. : c.f. : b.
25	4·0	4·5	10·1	93	− 0·9	+ 7·7	83	7·7	+ 22	− 2·8	7·9	77·2	77·52	b. : c.f. : b.
26	5·0	9·1	3·7	34	− 2·5	+ 1·7	34	3·0	− 27	− 7·5	4·9	77·1	77·47	b. : c.f. : o.p. : c.f.
27	5·0	3·4	9·1	83	− 6·8	+ 3·0	24	7·4	− 37	− 3·1	7·8	77·1	77·37	o. : b. : c.f. : b.
28	5·0	5·6	7·0	64	− 3·6	+ 0·6	9	3·6	− 52	− 7·0	5·3	77·0	77·27	b. : c.f. : b.
29	5·0	3·0	9·6	88	− 9·7	+ 1·9	11	9·9	− 51	− 0·7	10·0	76·9	77·17	b. : c.f. : b.
30	5·0	4·5	9·2	84	− 5·1	+ 3·0	30	5·9	− 32	− 4·7	6·2	76·9	77·12	b. : c.f. : b.
Mean	5·0	6·3	7·75	71·0	− 4·76	+ 6·64	54·4	8·17	−6·4	− 1·99	9·35	77·71	77·75	..
Average	4·8	4·9	7·43	68·3	− 4·96	+ 8·87	60·8	10·16	..	..	11·19	78·09	78·25	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure from May 30 to June 6 was accompanied by feeble negative waves of temperature, velocity, and vapour tension, the two former being superposed on positive waves.

A large negative wave of pressure from the 6th to the 14th was accompanied by positive waves of temperature and vapour tension (large in the latter) and a shallow negative wave of wind velocity.

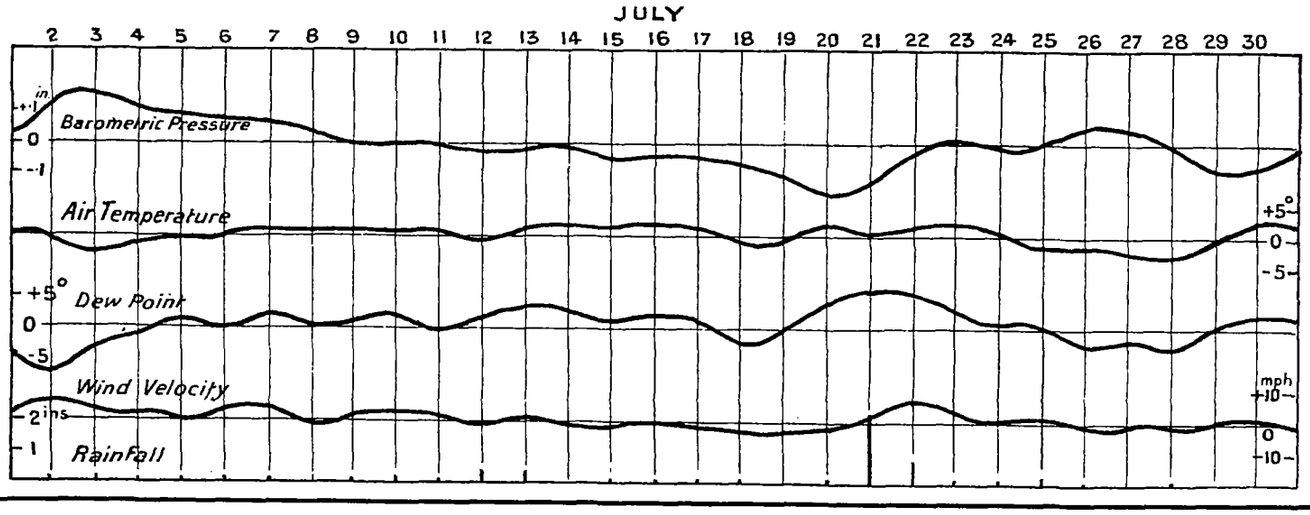
A positive wave of pressure from the 14th to the 18th was accompanied by nearly normal temperature and wind velocity and a negative wave of vapour tension.

A negative wave of pressure from the 19th to the 24th was accompanied by negative waves of temperature and vapour tension, with a feeble wave of wind velocity superposed on a negative wave.

A negative wave of pressure from June 24th to July 1st was accompanied by negative waves of temperature, vapour tension, and wind velocity.

The principal rainfall occurred from the 5th to the 10th, with decreasing pressure.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
July 1	30·014	+·020	75·3	56·6	18·7	67·8	+0·1	60·9	55·4	−4·3	65	− 11	·439	129.3	48·9	0·000	..	·140
2	30·132	+·137	72·3	63·9	8·4	66·8	−0·9	59·1	52·8	−6·9	61	− 15	·400	128·2	58·4	0·015	25	·140
3	30·149	+·153	70·4	62·7	7·7	65·0	−2·6	60·3	56·5	−3·1	74	− 2	·457	121·1	56·9	0·215	235	·135
4	30·114	+·117	72·8	62·9	9·9	66·4	−1·2	61·9	58·3	−1·3	75	− 1	·487	123·3	57·4	0·050	45	·100
5	30·086	+·089	74·0	61·4	12·6	67·3	−0·3	63·9	61·1	+1·5	81	+ 5	·539	129·5	55·7	0·120	85	·140
6	30·074	+·076	75·3	60·1	15·2	67·8	+0·2	63·3	59·6	0·0	75	− 1	·511	125·8	52·2	0·120	55	·170
7	30·066	+·067	74·3	65·5	8·8	69·1	+1·6	64·9	61·6	+2·1	77	+ 1	·548	126·2	60·8	0·050	105	·130
8	30·033	+·033	75·1	64·3	10·8	68·6	+1·1	64·0	60·4	+0·9	75	− 1	·526	131·6	55·2	0·000	..	·110
9	29·996	−·005	74·8	63·9	10·9	68·6	+1·1	64·0	60·4	+0·9	75	− 1	·526	127·4	55·1	0·190	90	·140
10	29·995	−·006	73·5	64·9	8·6	68·2	+0·7	64·6	61·7	+2·2	80	+ 4	·550	125·6	59·2	0·270	105	·140
11	29·991	−·011	75·3	61·5	13·8	68·2	+0·8	63·4	59·6	+0·2	74	− 2	·511	130·9	52·7	0·015	5	·155
12	29·978	−·024	75·4	57·9	17·5	66·9	−0·5	63·7	61·2	+1·8	82	+ 6	·541	128·3	47·9	0·390	165	·140
13	29·990	−·013	74·4	64·8	9·6	68·5	+1·1	65·4	62·9	+3·5	83	+ 7	·574	126·7	59·0	0·375	125	·140
14	29·988	−·016	76·3	64·3	12·0	69·1	+1·7	65·4	62·4	+3·0	79	+ 3	·564	131·2	56·0	0·000	..	·200
15	29·958	−·046	76·8	61·5	15·3	68·8	+1·4	64·4	60·9	+1·5	76	0	·535	132·0	53·1	0·020	15	·110
16	29·964	−·041	76·4	66·0	10·4	69·7	+2·3	65·2	61·8	+2·4	76	0	·552	133·0	59·1	0·010	15	·115
17	29·948	−·057	75·3	61·3	14·0	68·8	+1·4	64·3	60·7	+1·4	76	0	·531	131·4	53·7	0·020	45	·120
18	29·939	−·067	76·5	58·5	18·0	67·0	−0·4	61·6	57·2	−2·1	71	− 5	·469	131·3	50·6	0·035	25	·135
19	29·900	−·107	74·4	59·9	14·5	67·2	−0·2	62·7	59·1	−0·2	75	− 1	·501	136·9	54·0	0·000	..	·120
20	29·846	−·161	76·4	66·6	9·8	69·2	+1·8	66·1	63·7	+4·4	83	+ 7	·590	131·3	62·1	0·110	110	·110
21	29·881	−·126	69·4	66·6	2·8	67·9	+0·5	66·4	65·3	+6·0	91	+ 15	·624	92 1	61·8	2·225	845	·030
22	29·985	−·022	74·3	67·1	7·2	69·1	+1·8	67·0	65·3	+6·0	88	+ 12	·624	130·1	65·5	0·780	595	·130
23	30·013	+·005	74·3	64·9	9·4	69·1	+1·7	65·4	62·5	+3·2	80	+ 4	·566	121·8	61·2	0·060	180	·140
24	29·997	−·011	73·3	63·8	9·5	67·7	+0·3	63·6	60·2	+0·9	77	+ 2	·522	127·5	56·3	0·065	55	·120
25	30·011	+·003	72·5	62·0	10·5	66·1	−1·3	62·6	59·7	+0·4	80	+ 5	·512	126·8	55·7	0·240	225	·140
26	30·060	+·052	73·7	60·4	13·3	66·1	−1·3	61·0	56·8	−2·4	72	− 3	·462	132·2	52·9	0·065	50	·145
27	30·055	+·047	73·3	57·1	16·2	64·9	−2·5	60·9	57·6	−1·6	77	+ 2	·475	129·0	49·8	0·010	10	·130
28	29·997	−·012	73·3	55·1	18·2	64·7	−2·7	60·1	56·3	−2·9	74	− 1	·454	128·1	47·7	0·090	40	·130
29	29·930	−·079	75·3	60·9	14·4	67·3	−0·1	63·2	60·0	+0·8	78	+ 3	·518	133·9	53·5	0·040	50	·140
30	29·942	−·067	75·3	66·9	8·4	70·1	+2·7	65·5	61·9	+2·6	76	+ 1	·554	129·8	62·7	0·000	..	·120
31	29·991	−·019	75·7	64·4	11·3	69·1	+1·6	64·9	61·5	+2·2	77	+ 2	·546	124·2	59·2	0·065	50	·180
Mean	30·001	−·003	74·4	62·5	11·9	67·8	+0·3	63·5	60·1	+0·7	76·9	+1·2	·523	127·6	56·0	Sum 5·645	Sum 3350	·132
Average	30·004	..	75·1	61·6	13·5	67·5	..	63·1	59·4	..	75·7	..	·507	130·6	55·7	2·242	1494	·135
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0–10).	Mean Amount of Cloud (Scale 0–10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
July 1	4·0	6·2	9·5	87	− 8·9	+ 9·9	48	13·3	− 14	+ 2·7	13·4	76·9	77·05	c.f.q. : o.
2	6·5	9·4	4·8	44	− 7·2	+15·5	65	17·1	+ 3	+ 6·5	17·3	76·8	77·00	o.q. : c. : c.p.
3	7·5	8·0	5·6	51	− 5·7	+12·9	66	14·1	+ 4	+ 3·4	14·3	76·7	76·95	c.p.q.
4	5·0	7·8	7·4	68	− 4·3	+11·3	69	12·1	+ 6	+ 1·4	12·7	76·6	76.95	c.p.q.
5	7·0	6·2	9·0	83	− 4·1	+10·4	69	11·2	+ 6	+ 0·5	11·3	76·6	76·95	c.p.
6	6·0	5·8	9·5	87	− 4·5	+12·3	70	13·1	+ 7	+ 2·4	13·2	76·5	76·95	c.p. : c.f.q. : o.p.
7	4·0	7·7	9·7	89	− 5·0	+14·2	71	15·1	+ 8	+ 4·4	15·3	76·4	76·90	c.p.q. : c.f. : c.p.
8	6·0	4·5	8·8	81	− 5·1	+ 9·4	61	10·7	− 2	− 0·1	11·3	76·2	76·80	c.f.
9	5·0	7·3	7·6	70	− 5·5	+11·2	64	12·5	0	+ 1·7	12·6	76·3	76·85	c.f. : c.p.q. : c.f.
10	5·0	6·7	6·9	63	− 4·2	+12·1	71	12·8	+ 7	+ 2·0	13·1	76·2	76·80	c.f. : c.p.
11	5·0	4·3	9·6	88	− 4·3	+11·7	70	12·4	+ 6	+ 1·6	12·7	76·1	76·75	c.p. : c.f.q.
12	5·0	6·2	8·8	80	− 2·1	+10·1	78	10·3	+ 14	− 0·5	10·5	76·0	76·70	c.f. : o.p.
13	6·0	9·4	5·0	45	− 4·0	+11·1	70	11·8	+ 6	+ 1·0	12·1	76·0	76·70	o.p. : c.p. : c.f. : b.
14	6·0	6·0	8·7	79	− 3·5	+ 8·8	68	9·5	+ 4	− 1·4	9·8	75·9	76·70	b. : c.f.
15	5·0	5·3	9·0	82	− 5·9	+ 7·5	52	9·5	− 12	− 1·4	9·8	75·8	76·70	c.f. : c.p.
16	6·0	7·5	8·5	77	− 4·3	+10·0	67	10·9	+ 2	0·0	11·0	75·7	76·70	c.p. : o. : c.f. : b.
17	5·0	6·7	7·8	71	− 4·3	+ 8·0	62	9·1	− 3	− 1·8	9·4	75·7	76·70	c.p. : c.f. : b.
18	6·0	7·0	9·3	85	− 5·0	+ 5·0	45	7·1	− 20	− 3·8	7·3	75·6	76·70	b. : c.p. : c.f. : b.
19	5·0	6·8	10·0	91	− 6·2	+ 4·8	38	7·8	− 27	− 3·1	8·0	75·5	76·65	c.p. : c.f. : b.
20	5·0	9·0	4·4	40	− 4·2	+ 8·5	64	9·5	− 1	− 1·4	9·7	75·4	76·60	c.p. : o.p.
21	5·0	10·0	0·0	0	− 7·0	+10·4	56	12·5	− 9	+ 1·6	12·8	75·4	76·55	o.r.q.
22	6·0	9·2	6·1	55	− 8·0	+15·9	63	17·8	− 2	+ 6·8	17·9	75·4	76·55	o.r. : c.q. : o.p.
23	5·0	6·8	9·5	86	− 8·2	+11·8	55	14·4	− 10	+ 3·4	14·4	75·3	76·55	o.p. : c.f.q.
24	5·0	6·9	8·5	77	− 5·9	+ 9·7	59	11·4	− 6	+ 0·4	11·5	75·3	76·50	c.f. : c.p. : c.f.
25	5·0	8·5	8·2	74	− 5·9	+10·7	61	12·2	− 5	+ 1·2	12·3	75·2	76·50	b. : o.p. : c.p. : c.f.
26	5·0	6·5	9·2	83	− 5·6	+ 8·4	56	10·1	− 10	− 0·9	10·2	75·2	76·45	c.f. : c.p.
27	5·0	5·7	8·1	73	− 6·1	+ 9·2	56	11·0	− 10	0·0	11·2	75·1	76·45	c.f. : c.p. : c.f.
28	5·0	6·0	8·9	80	− 7·1	+ 6·9	44	9·9	− 22	− 1·1	9·9	75·1	76·45	c.f. : c.p.
29	6·0	4·5	8·0	72	− 5·5	+ 9·7	60	11·2	− 6	+ 0·2	11·4	75·0	76·40	c.p. : o.
30	4·0	7·5	9·2	83	− 5·3	+11·4	65	12·5	− 1	+ 1·4	12·8	75·0	76·40	o. : c.f.
31	5·0	2·8	10·4	93	− 3·3	+ 9·5	71	10·1	+ 5	− 1·0	10·4	74·9	76·35	c.p. : c.f. : c.p.
Mean	5·4	6·8	7·94	72·2	− 5·36	+10·27	62·4	11·58	−2·0	+0·72	11·92	75·80	76·69	..
Average	5·1	5·1	7·65	69·5	− 4·69	+ 9·79	64·4	10·86	..	..	11·96	76·38	77·82	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure from the 1st to the 9th was accompanied by negative waves of temperature and vapour tension, with generally decreasing wind velocity.

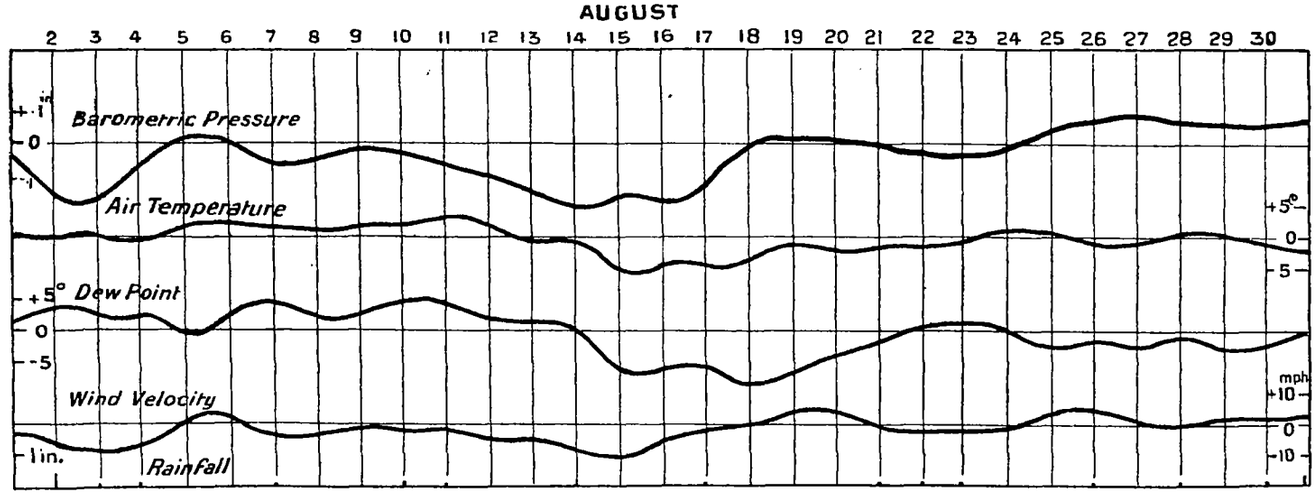
A negative wave of pressure from the 14th to the 23rd was accompanied by double waves of temperature, vapour tension, and wind velocity (from negative to positive).

A positive wave of pressure from the 24th to the 28th was accompanied by negative waves of temperature and vapour tension, with normal wind velocity.

A negative wave of pressure from the 28th to the 31st was accompanied by positive waves of temperature, vapour tension, and wind velocity (feeble in the latter).

Rain fell on 26 days, the heaviest fall occurring on the 21st and 22nd, during the recovery from a pressure minimum.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Aug. 1	29·970	−·040	75·0	59·0	16·0	67·7	+0·2	63·9	60·8	+1·5	78	+ 3	·533	129·4	52·3	0·035	55	·145
2	29·856	−·154	74·0	60·6	13·4	67·3	−0·2	65·1	63·3	+4·0	87	+ 12	·582	126·5	54·4	0·525	300	·125
3	29·828	−·183	75·9	60·6	15·3	67·6	+0·1	64·3	61·8	+2·5	82	+ 7	·552	127·3	55·0	0·030	15	·120
4	29·938	−·073	72·1	63·4	8·7	67·0	−0·6	63·9	61·4	+2·1	82	+ 7	·545	123·4	61·6	0·105	160	·105
5	30·024	+·013	76·4	63·8	12·6	69·4	+1·8	63·3	58·5	−0·8	68	− 7	·491	126·1	58·6	0·000	..	·170
6	30·012	+·001	75·0	64·2	10·8	69·7	+2·1	65·2	61·8	+2·5	76	+ 1	·552	134·1	60·2	0·000	..	·130
7	29·945	−·066	75·2	64·6	10·6	69·1	+1·5	66·1	63·7	+4·4	83	+ 8	·590	133·2	57·8	0·075	85	·095
8	29·956	−·055	75·2	61·6	13·6	68·5	+0·8	64·6	61·6	+2·3	79	+ 4	·548	133·3	56·0	0·000	..	·120
9	29·992	−·019	76·1	64·9	11·2	69·5	+1·8	65·2	61·8	+2·5	77	+ 2	·552	130·8	57·5	0·000	..	·120
10	29·979	−·032	75·9	63·6	12·3	69·5	+1·8	66·2	63·6	+4·3	82	+ 7	·588	128·9	56·0	0·125	110	·140
11	29·934	−·077	76·5	66·3	10·2	71·2	+3·5	67·2	64·1	+4·7	79	+ 4	·598	137·0	62·9	0·015	15	·155
12	29·906	−·105	77·0	62·4	14·6	69·8	+2·0	65·2	61·7	+2·3	75	0	·550	133·1	55·1	0·000	..	·155
13	29·863	−·148	76·0	61·0	15·0	67·4	−0·4	63·8	60·9	+1·5	80	+ 5	·535	135·7	54·5	0·000	..	·130
14	29·808	−·203	77·4	58·6	18·8	67·5	−0·4	63·2	59·7	+0·3	76	+ 1	·512	135·4	49·6	0·045	40	·145
15	29·838	−·173	73·9	51·6	22·3	63·1	−4·8	58·0	53·6	−5·8	71	− 4	·412	134·1	43·9	0·000	..	·160
16	29·829	−·182	74·3	53·6	20·7	63·6	−4·3	58·1	53·5	−5·9	70	− 5	·410	126·3	45·7	0·000	..	·170
17	29·876	−·135	74·3	52·6	21·7	63·3	−4·7	58·2	53·9	−5·5	72	− 3	·416	128·2	46·3	0·025	25	·080
18	29·992	−·019	73·8	57·6	16·2	64·7	−3·3	57·1	50·7	−8·7	61	− 14	·370	133·0	44·9	0·000	..	·180
19	30·021	+·011	73·7	60·6	13·1	67·0	−1·0	59·3	53·0	−6·5	61	− 13	·403	126·5	52·6	0·000	..	·190
20	30·012	+·002	72·2	60·7	11·5	65·9	−2·2	60·2	55·5	−4·0	69	− 5	·441	129·1	53·7	0·000	..	·140
21	29·993	−·017	74·1	60·6	13·5	66·6	−1·5	61·6	57·6	−1·9	73	− 1	·475	130·2	52·7	0·125	100	·180
22	29·974	−·036	74·8	60·9	13·9	66·6	−1·6	62·9	59·9	+0·4	79	+ 5	·516	135·1	53·8	0·030	50	·130
23	29·966	−·044	75·1	60·6	14·5	68·0	−0·2	63·8	60·5	+1·0	77	+ 3	·528	131·7	53·6	0·075	50	·155
24	29·993	−·017	75·8	63·7	12·1	69·2	+1·0	63·9	59·8	+0·3	72	− 2	·514	139·7	54·8	0·000	..	·140
25	30·062	+·053	75·9	63·7	12·2	69·1	+0·8	62·2	56·9	−2·6	65	− 9	·464	134·5	56·9	0·000	..	·220
26	30·077	+·068	72·6	63·7	8·9	67·4	−0·9	62·3	58·1	−1·5	72	− 2	·483	124·4	57·7	0·070	70	·145
27	30·091	+·083	73·9	62·3	11·6	67·5	−0·9	61·8	57·2	−2·4	70	− 4	·469	137·1	57·3	0·030	25	·130
28	30·068	+·060	76·1	62·6	13·5	68·8	+0·4	63·0	58·4	−1·2	70	− 4	·489	132·4	56·2	0·050	20	·155
29	30·062	+·054	76·1	61·3	14·8	68·7	+0·2	62·1	56·9	−2·7	66	− 8	·464	131·4	53·1	0·000	..	·200
30	30·061	+·054	75·8	59·6	16·2	67·4	−1·1	61·8	57·4	−2·3	70	− 3	·472	134·7	52·4	0·145	90	·200
31	30·069	+·062	73·1	60·8	12·3	66·5	−2·1	62·8	59·7	0·0	79	+ 6	·512	131·4	55·8	0·385	245	·220
Mean	29·968	−·042	74·9	61·0	13·9	67·6	−0·4	62·8	58·9	−0·5	74·2	−0·3	·502	131·4	54·3	Sum 1·890	Sum 1455	·150
Average	30·010	..	75·7	61·6	14·1	68·0	..	63·2	59·4	..	74·5	..	·508	134·1	55·8	2·709	1696	·158
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



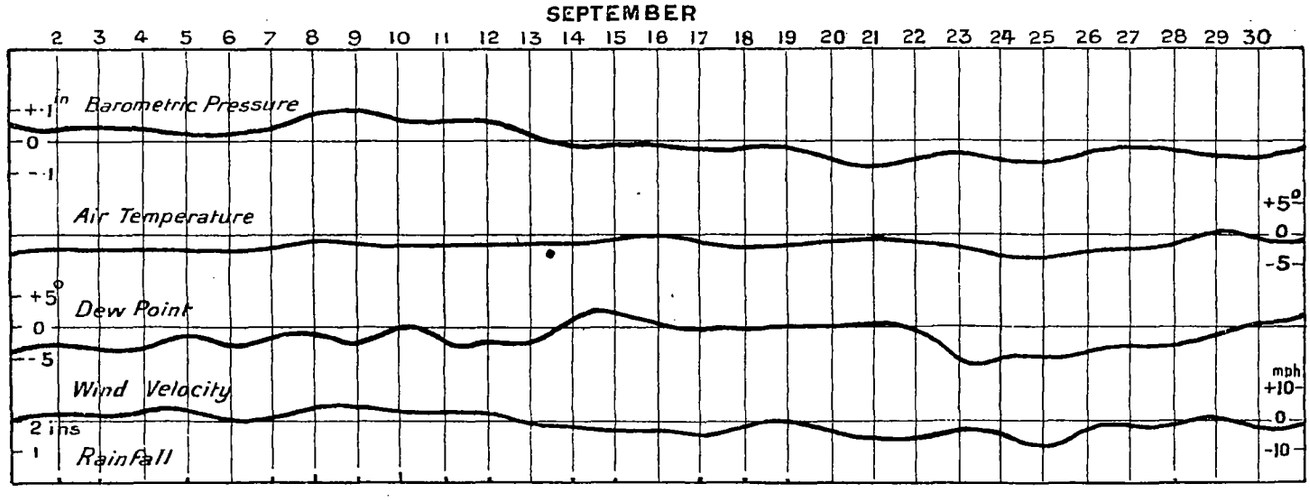
Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Aug. 1	5·0	4·5	10·0	89	− 2·8	+ 8·2	71	8·7	+ 5	− 3·4	8·7	74·9	76·35	c.f. : c.p.
2	5·0	6·1	4·4	39	− 0·2	+ 4·6	87	4·6	+ 21	− 6·5	5·3	74·9	76·30	c.f. : o.r.
3	6·0	5·0	8·7	78	+ 2·5	+ 0·5	169	2·6	+ 103	− 8·5	5·0	74·9	76·30	c.f. : c.p. : c.f.
4	5·0	9·0	0·7	6	− 4·8	− 1·1	347	4·9	+ 280	− 6·2	5·6	74·8	76·30	o.r. : c. : o.
5	6·0	3·2	9·8	87	−10·4	+ 4·8	25	11·5	− 42	+ 0·4	12·2	74·7	76·35	c.f.
6	6·0	8·0	7·7	69	−10·0	+ 7·5	37	12·5	− 30	+ 2·4	12·8	74·6	76·25	c.f. : o.
7	6·0	9·5	2·5	22	− 1·4	+ 6·4	78	6·6	+ 11	− 4·5	7·0	74·7	76·20	c.p. : c.f.
8	5·0	6·5	7·3	65	− 3·0	+ 7·4	68	8·0	+ 1	− 3·1	8·2	74·7	76·15	c.f.
9	6·0	4·0	10·3	92	− 5·9	+ 8·0	54	9·9	− 13	− 1·3	9·9	74·6	76·15	c.f. : b.
10	5·5	5·5	9·5	84	− 4·2	+ 7·8	62	8·9	− 5	− 2·3	9·1	74·6	76·15	c.p. : c.f. : o.
11	5·0	8·5	7·0	62	− 2·2	+ 9·5	77	9·7	+ 10	− 1·5	10·2	74·6	76·15	c.p. : c.f. : o.
12	6·0	4·8	10·0	89	− 1·7	+ 6·4	75	6·6	+ 8	− 4·6	6·6	74·6	76·10	c.f.
13	5·0	6·1	8·2	73	− 0·2	+ 6·4	88	6·4	+ 21	− 4·8	6·8	74·5	76·05	b. : c.f.
14	6·0	8·0	4·1	36	− 3·0	− 1·4	335	3·3	+ 267	− 7·9	6·7	74·5	76·00	c.f. : c.p. : c.f. : o.
15	6·0	2·7	10·0	88	− 0·1	− 0·8	277	0·8	+ 209	−10·4	6·2	74·5	75·95	c.f.
16	5·5	2·0	10·6	93	+ 5·6	− 0·4	184	5·6	+ 116	− 5·6	6·4	74·5	75·95	c.f.
17	6·0	9·4	3·1	27	− 8·7	+ 3·9	24	9·6	− 44	− 1·6	10·5	74·5	75·90	b. : c.p. : c.f. : b.
18	6·0	6·3	9·3	82	− 8·2	+ 6·9	40	10·7	− 28	− 0·5	11·1	74·5	75·85	b. : c.f. : b.
19	6·0	3·7	10·5	92	− 9·6	+11·2	49	14·8	− 19	+ 3·6	15·0	74·6	75·95	b. : c.f.q. : b.
20	6·0	6·8	9·9	87	− 8·5	+12·5	56	15·1	− 12	+ 3·9	15·1	74·5	75·85	b. : c.f.q. : c.f.
21	6·0	8·0	10·1	89	− 6·2	+ 8·5	54	10·5	− 14	− 0·7	10·5	74·5	75·80	c.p. : c.f. : c.p.
22	5·5	6·7	7·5	65	− 4·4	+ 7·4	59	8·7	− 9	− 2·5	8·8	74·5	75·80	c.p. : c. : c.f.
23	5·5	8·3	5·8	50	− 5·7	+ 7·3	52	9·2	− 16	− 2·0	9·3	74·5	75·80	c.p. : c.f. : o.
24	6·0	5·9	6·5	57	− 6·5	+ 7·6	50	10·0	− 19	− 1·2	10·3	74·5	75·75	o. : c. : o.
25	6·0	5·5	10·7	93	− 8·9	+11·6	52	14·6	− 17	+ 3·4	14·6	74·4	75·65	o. : c.f.
26	6·0	9·5	4·3	37	− 8·4	+13·0	57	15·5	− 12	+ 4·3	15·7	74·4	75·65	c.p. : c.f.q. : o.
27	6·0	7·7	7·1	61	− 3·5	+11·2	73	11·8	+ 4	+ 0·6	11·5	74·4	75·65	o.p. : c.p. : o.
28	5·0	8·3	7·5	65	− 5·4	+ 9·4	60	10·8	− 9	− 0·4	10·9	74·4	75·65	o. : c.f. : o.
29	6·0	4·5	10·8	93	− 8·6	+ 9·5	48	12·8	− 21	+ 1·6	12·9	74·3	75·60	c.p. : c.f.q.
30	5·5	4·7	10·8	93	− 7·5	+ 9·9	53	12·4	− 16	+ 1·2	12·5	74·3	75·55	c.f. : o.r.
31	6·0	7·8	8·7	75	− 6·8	+10·8	58	12·8	− 11	+ 1·6	12·8	74·3	75·55	o.p. : c.p.
Mean	5·7	6·3	7·85	69·0	− 4·79	+ 6·92	55·3	8·42	−12·4	− 2·76	9·94	74·55	75·96	..
Average	5·3	5·5	7·49	65·7	− 4·24	+10·35	67·7	11·18	..	..	12·34	75·28	77·25	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure from the 1st to the 5th was accompanied by normal temperature, a positive wave of vapour tension, and a negative wave of wind velocity.

A large negative wave of pressure from the 9th to the 18th was accompanied by decreasing temperature and vapour tension, with a negative wave of wind velocity.

The principal rainfall occurred from the 1st to the 4th during a negative wave of pressure.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Sept. 1	30·054	+·047	73·2	61·1	12·1	65·8	−2·8	60·3	55·9	−3·8	70	− 3	·447	133·3	55·1	0·010	10	·130
2	30·034	+·028	73·7	60·6	13·1	65·9	−2·8	60·8	56·6	−3·2	72	− 1	·459	133·5	55·7	0·110	160	·185
3	30·041	+·035	73·9	60·6	13·3	66·2	−2·5	60·8	56·4	−3·4	71	− 2	·456	136·9	55·9	0·040	100	·180
4	30·040	+·035	72·8	61·4	11·4	66·2	−2·6	60·5	55·9	−3·9	70	− 3	·447	133·3	54·1	0·000	..	·195
5	30·029	+·024	72·2	62·4	9·8	66·2	−2·7	62·0	58·6	−1·2	77	+ 4	·492	131·1	54·6	0·150	135	·150
6	30·018	+·014	73·7	61·6	12·1	66·6	−2·3	61·3	57·0	−2·9	72	− 1	·465	133·3	54·8	0·000	..	·145
7	30·040	+·037	74·0	60·6	13·4	66·3	−2·7	61·8	58·2	−1·7	75	+ 2	·485	129·6	56·7	0·280	155	·180
8	30·088	+·086	75·7	63·6	12·1	67·6	−1·4	62·8	58·9	−1·0	74	+ 1	·498	135·8	57·7	0·230	125	·130
9	30·094	+·093	75·3	62·0	13·3	67·4	−1·7	61·8	57·3	−2·7	70	− 2	·470	135·1	54·4	0·020	30	·150
10	30·060	+·059	72·4	63·1	9·3	67·1	−2·0	63·4	60·5	+0·5	80	+ 8	·528	135·3	59·8	0·370	245	·130
11	30·066	+·066	73·5	62·3	11·2	67·3	−1·9	61·9	57·6	−2·4	71	− 1	·475	130·7	56·6	0·040	50	·175
12	30·052	+·053	74·4	62·3	12·1	67·5	−1·8	62·1	57·8	−2·3	71	− 1	·479	135·0	55·7	0·075	65	·205
13	30·014	+·016	75·7	60·8	14·9	68·2	−1·2	62·3	57·7	−2·4	69	− 3	·477	134·3	52·4	0·000	..	·170
14	29·975	−·022	75·5	62·7	12·8	67·6	−1·9	64·4	61·8	+1·7	82	+ 10	·552	136·6	57·2	0·150	105	·150
15	29·989	−·007	76·2	62·8	13·4	68·9	−0·6	65·3	62·4	+2·2	80	+ 8	·564	136·7	60·2	0·010	10	·150
16	29·977	−·017	77·2	63·7	13·5	69·7	+0·1	64·8	60·9	+0·7	74	+ 2	·535	138·7	57·1	0·000	..	·170
17	29·967	−·026	77·3	59·0	18·3	67·5	−2·2	63·2	59·7	−0·5	76	+ 4	·512	143·5	51·6	0·125	70	·110
18	29·966	−·025	75·3	58·7	16·6	67·6	−2·1	63·4	60·1	−0·2	77	+ 5	·520	140·0	50·2	0·045	25	·170
19	29·971	−·019	75·8	62·2	13·6	67·9	−1·9	63·5	60·1	−0·2	76	+ 5	·520	138·6	54·4	0·020	20	·160
20	29·926	−·063	77·7	62·8	14·9	69·1	−0·8	64·2	60·3	0·0	74	+ 3	·524	141·6	54·4	0·000	..	·160
21	29·892	−·096	78·6	61·1	17·5	69·4	−0·6	64·6	60·8	+0·4	74	+ 3	·533	140·9	53·5	0·000	..	·150
22	29·918	−·069	75·5	61·9	13·6	69·1	−1·0	64·3	60·5	+0·1	74	+ 3	·528	127·0	55·6	0·030	30	·090
23	29·949	−·036	76·2	58·7	17·5	67·7	−2·4	60·4	54·6	−5·9	63	− 8	·427	131·1	50·2	0·000	..	·185
24	29·915	−·069	76·1	58·0	18·1	66·5	−3·7	60·3	55·4	−5·1	68	− 3	·439	140·4	49·4	0·000	..	·180
25	29·905	−·077	75·2	54·1	21·1	66·0	−4·2	60·3	55·6	−5·0	69	− 2	·443	135·8	46·3	0·000	..	·130
26	29·947	−·034	76·9	56·6	20·3	67·5	−2·8	61·3	56·4	−4·2	68	− 3	·456	139·2	48·8	0·000	..	·195
27	29·955	−·024	76·4	60·2	16·2	68·4	−2·0	62·4	57·6	−3·1	69	− 2	·475	148·7	49·4	0·000	..	·170
28	29·932	−·046	76·8	59·8	17·0	68·2	−2·3	62·5	58·0	−2·7	70	− 1	·482	139·2	49·9	0·050	35	·170
29	29·926	−·050	76·5	67·3	9·2	71·3	+0·7	64·4	59·1	−1·6	66	− 5	·501	132·3	60·4	0·020	20	·160
30	29·916	−·058	79·9	63·3	16·6	70·0	−0·6	65·1	61·4	+0·6	74	+ 3	·545	143·7	57·2	0·000	..	·180
Mean	29·989	−·004	75·5	61·2	14·3	67·7	−1·9	62·5	58·4	−1·8	72·5	+0·6	·491	136·4	54·3	Sum 1·775	Sum 1390	·160
Average	29·993	..	77·5	62·4	15·1	69·6	..	64·3	60·2	..	71·9	..	·522	138·6	56·6	1·337	934	·189
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



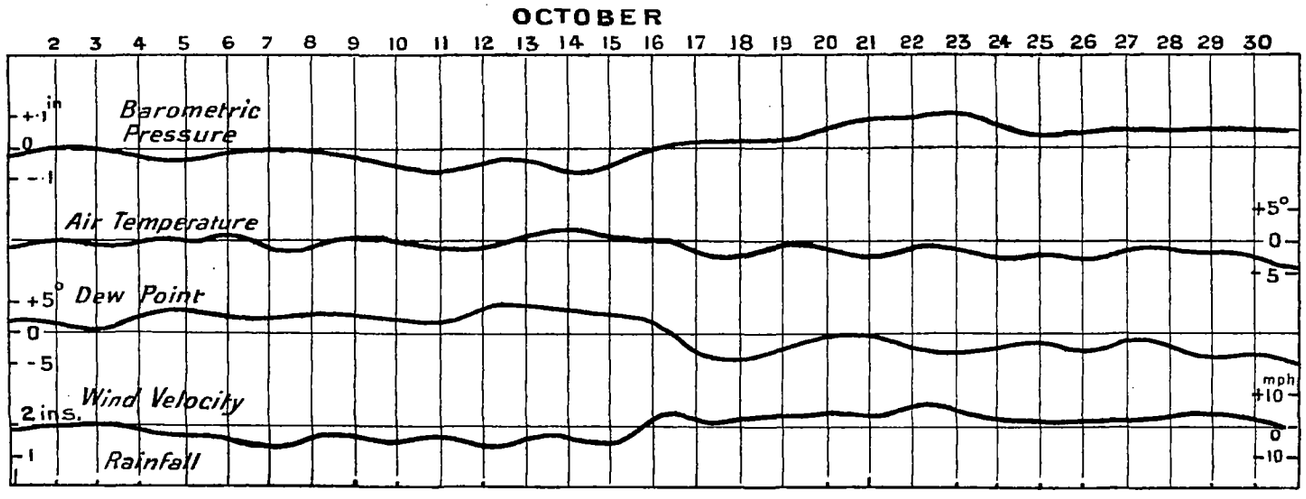
Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Sept. 1	5·5	9·2	5·7	49	− 5·9	+ 9·2	57	11·0	− 12	− 0·1	11·0	74·3	75·55	c.f. : c.p.
2	5·0	8·3	8·3	71	− 7·3	+12·0	59	14·0	− 11	+ 2·9	14·0	74·4	75·55	o.p. : c.f. : o.p.
3	6·5	7·2	7·8	67	− 7·8	+10·1	52	12·8	− 18	+ 1·7	12·9	74·3	75·50	c.p. : c.f.
4	6·0	3·8	9·7	83	− 8·7	+11·9	54	14·7	− 16	+ 3·6	14·8	74·3	75·50	c.f.q. : o.
5	6·0	8·0	7·4	63	− 8·1	+11·9	56	14·4	− 14	+ 3·3	14·4	74·3	75·50	o.p. : c.f. : o.p.
6	6·0	8·2	8·6	74	− 6·6	+ 9·2	54	11·3	− 16	+ 0·2	11·4	74·3	75·50	c.f. : o.
7	6·0	8·5	5·5	47	− 6·8	+ 9·8	55	12·0	− 15	+ 1·0	12·2	74·3	75·50	c.p. : o.
8	6·0	7·5	8·5	72	− 8·7	+12·4	55	15·1	− 15	+ 4·1	15·2	74·3	75·50	c.f.q. : c.p.
9	6·0	6·3	8·6	73	− 7·7	+12·6	59	14·8	− 11	+ 3·8	14·8	74·2	75·45	c.p. : c.f.q. : o.p.
10	6·0	8·5	6·4	54	− 6·3	+12·1	62	13·6	− 8	+ 2·6	14·0	74·2	75·40	c.p.
11	6·0	7·7	10·2	86	− 8·6	+11·8	54	14·6	− 17	+ 3·7	14·7	74·2	75·40	o.p. : c.f. : o.
12	6·0	5·3	8·2	69	− 5·5	+11·8	65	13·0	− 6	+ 2·1	13·2	74·2	75·35	o.p. : c.f.q. : o.
13	6·0	4·7	10·7	90	− 3·7	+ 9·7	69	10·4	− 2	− 0·5	10·4	74·2	75·35	c.f.
14	6·0	8·3	7·2	61	− 3·4	+ 7·9	67	8·6	− 4	− 2·2	8·8	74·1	75·35	c.p. : c.f. : o.
15	6·0	6·2	10·1	85	− 0·5	+ 8·2	87	8·2	+ 16	− 2·6	8·5	74·1	75·30	c.f. : o.
16	6·0	6·5	6·5	55	− 2·8	+ 8·0	71	8·5	− 1	− 2·2	9·2	74·1	75·35	o. : c.f.
17	6·0	7·0	5·0	42	− 4·0	+ 3·6	42	5·0	− 30	− 5·7	6·1	74·1	75·30	c.f. : c.p. : c.f.
18	6·0	8·3	8·3	69	− 4·9	+ 7·4	57	8·9	− 15	− 1·7	9·5	74·1	75·30	b. : c.f. : c.p. : o.
19	6·0	5·0	9·1	76	− 4·2	+ 9·2	66	10·1	− 6	− 0·5	10·5	74·0	75·30	c.f. : c.p.
20	6·0	5·0	10·0	83	− 0·1	+ 7·0	89	7·0	+ 17	− 3·6	7·2	74·0	75·30	c.f.
21	4·0	4·7	9·7	81	+ 3·6	+ 1·2	162	3·8	+ 19	− 6·7	5·8	74·1	75·35	c.f.
22	6·0	7·9	3·8	31	− 4·7	+ 1·1	13	4·8	− 59	− 5·7	6·9	74·1	75·35	c.p. : c.f.
23	6·5	4·7	9·4	78	− 6·9	− 2·7	339	7·4	+ 266	− 3·0	8·5	74·1	75·30	c.f.
24	5·0	6·8	7·5	62	− 5·8	− 3·6	328	6·8	+ 255	− 3·6	8·7	74·1	75·30	c. : c.f.
25	6·0	5·7	5·2	43	+ 0·4	+ 1·1	110	1·1	+ 37	− 9·2	6·1	74·2	75·30	b. : c.f.
26	5·0	4·0	10·4	86	− 0·3	+ 7·3	88	7·3	+ 15	− 3·0	8·7	74·2	75·25	c.f. : o.
27	4·0	7·5	6·8	56	− 3·1	+ 8·1	69	8·7	− 4	− 1·5	9·0	74·2	75·25	o. : c.f.
28	5·0	7·8	6·6	54	− 1·1	+ 8·5	83	8·5	+ 9	− 1·7	9·1	74·2	75·25	c.f. : c. : o.p. : o.
29	6·0	9·4	6·1	50	− 4·3	+ 9·5	66	10·5	− 8	+ 0·3	10·7	74·2	75·25	o.p. : c. : o.
30	4·0	4·5	9·2	75	− 1·4	+ 6·9	79	7·0	+ 5	− 3·1	7·3	74·2	75·25	o. : c.f.
Mean	5·7	6·7	7·88	66·2	− 4·50	+ 7·77	59·9	8·98	−11·6	− 1·71	10·45	74·19	75·37	..
Average	4·8	5·6	8·01	67·0	− 3·40	+10·14	71·5	10·69	..	..	12·02	75·14	76·69	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure from the 6th to the 15th was accompanied by a positive wave of wind velocity with temperature and wind velocity below normal.

A negative wave of pressure from the 19th to the 27th was accompanied by a negative wave of wind velocity. Negative waves of temperature and vapour tension occurred from the 21st to the 29th.

The principal rainfall occurred from the 7th to the 12th, during a positive wave of pressure.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity. (Saturation = 100). Mean.	Degree of Humidity. Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Oct. 1	29·943	−·029	75·7	65·8	9·9	69·7	−1·0	65·9	62·9	+2·0	79	+ 8	·574	139·5	63·7	0·600	105	·190
2	29·968	−·002	77·8	66·8	11·0	71·1	+0·3	66·4	62·8	+1·9	75	+ 4	·572	139·7	58·4	0·015	35	·170
3	29·969	+·001	78·1	64·4	13·7	70·7	−0·2	65·5	61·6	+0·6	73	+ 2	·548	142·5	59·6	0·010	10	·185
4	29·930	−·036	77·5	66·3	11·2	70·9	−0·1	67·1	64·2	+3·2	79	+ 8	·601	141·2	62·0	0·085	30	·165
5	29·926	−·038	78·2	66·5	11·7	71·3	+0·3	67·7	64·9	+3·8	81	+ 10	·615	140·8	60·5	0·010	15	·130
6	29·950	−·012	81·0	64·1	16·9	72·1	+1·0	67·5	64·0	+2·9	76	+ 5	·596	143·5	58·7	0·020	15	·200
7	29·958	−·002	75·8	63·1	12·7	69·5	−1·7	66·4	64·0	+2·8	83	+ 12	·596	118·3	57·6	0·100	40	·090
8	29·938	−·020	77·0	64·9	12·1	70·6	−0·7	67·1	64·4	+3·2	81	+ 10	·605	132·9	60·4	0·120	70	·120
9	29·934	−·022	79·5	66·4	13·1	72·0	+0·6	67·6	64·3	+3·0	77	+ 6	·603	142·3	62·0	0·205	180	·230
10	29·901	−·053	80·2	64·5	15·7	71·9	+0·4	67·5	64·2	+2·9	77	+ 6	·601	139·4	58·4	0·070	35	·190
11	29·867	−·085	80·2	62·3	17·9	71·2	−0·4	66·4	62·8	+1·4	75	+ 5	·572	137·9	56·7	0·000	..	·195
12	29·904	−·046	78·6	64·1	14·5	70·5	−1·2	67·9	66·0	+4·5	86	+ 16	·639	140·4	57·8	0·130	160	·115
13	29·912	−·036	81·0	67·5	13·5	72·9	+1·1	69·0	66·1	+4·6	79	+ 9	·641	142·0	63·5	0·000	..	·140
14	29·867	−·079	82·5	66·1	16·4	73·7	+1·8	69·0	65·5	+3·9	76	+ 6	·628	143·7	58·4	0·000	..	·200
15	29·888	−·056	80·1	63·2	16·9	72·5	+0·5	68·2	64·9	+3·2	77	+ 7	·615	130·0	56·9	0·000	..	·095
16	29·932	−·010	78·9	67·5	11·4	72·6	+0·5	68·0	64·5	+2·8	76	+ 6	·607	141·8	63·0	0·000	..	·220
17	29·960	+·020	78·8	62·4	16·4	70·5	−1·7	63·8	58·6	−3·2	66	− 4	·492	139·0	56·2	0·000	..	·260
18	29·952	+·014	77·8	64·4	13·4	70·3	−2·0	63·2	57·7	−4·1	64	− 6	·477	135·3	59·7	0·000	..	·200
19	29·959	+·023	79·0	62·8	16·2	71·4	−1·0	64·8	59·7	−2·2	67	− 3	·512	139·8	54·8	0·000	..	·235
20	29·997	+·063	78·2	67·1	11·1	71·3	−1·2	65·6	61·2	−0·8	71	+ 1	·541	138·9	64·3	0·080	65	·240
21	30·022	+·090	76·5	66·3	10·2	70·2	−2·4	65·5	61·9	−0·2	75	+ 5	·554	135·5	64·7	0·260	245	·190
22	30·028	+·098	77·9	66·5	11·4	71·8	−0·9	64·7	59·4	−2·7	65	− 5	·507	139·7	63·1	0·000	..	·225
23	30·036	+·108	78·8	64·9	13·9	71·3	−1·5	64·5	59·4	−2·8	66	− 4	·507	137·0	61·3	0·150	135	·290
24	29·995	+·069	77·9	64·1	13·8	70·4	−2·5	64·6	60·1	−2·2	70	0	·520	137·0	61·0	0·075	30	·235
25	29·960	+·036	77·7	65·1	12·6	70·9	−2·1	65·4	61·1	−1·3	70	+ 1	·539	144·9	59·2	0·045	45	·205
26	29·978	+·056	77·3	64·3	13·0	70·3	−2·9	64·3	59·7	−2·7	69	0	·512	139·2	57·7	0·040	35	·210
27	29·979	+·060	79·0	65·4	13·6	71·5	−1·8	65·9	61·6	−0·9	71	+ 2	·548	139·2	56·9	0·000	..	·210
28	29·969	+·052	79·9	66·9	13·0	71·9	−1·5	65·5	60·6	−2·0	68	− 1	·529	147·7	61·4	0·000	..	·250
29	29·973	+·058	78·9	66·1	12·8	71·7	−1·8	64·5	59·1	−3·6	64	− 5	·501	139·9	61·6	0·025	20	·275
30	29·983	+·070	80·1	64·0	16·1	70·5	−3·1	64·1	59·1	−3·6	67	− 2	·501	145·2	56·4	0·025	25	·265
31	29·964	+·053	78·5	60·1	18·4	69·4	−4·3	63·0	58·0	−4·8	67	− 2	·482	143·5	52·0	0·000	..	·220
Mean	29·953	+·011	78·7	65·0	13·7	71·2	−0·9	66·0	62·1	+0·3	73·2	+3·1	·559	139·3	59·6	Sum 2·065	Sum 1295	0·198
Average	29·942	..	80·9	64·7	16·2	72·1	..	66·2	61·8	..	70·1	..	·552	143·2	59·2	1·272	835	0·277
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



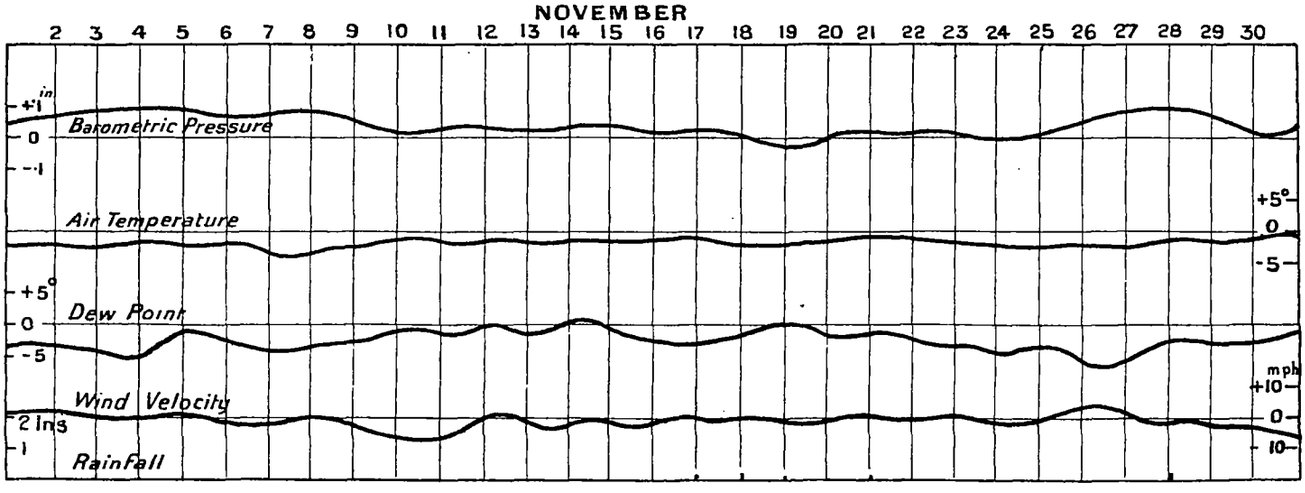
Month and Day 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Oct. 1	4·0	9·9	4·5	37	− 0·9	+ 8·7	84	8·7	+ 9	− 1·3	9·0	74·2	75·20	o.r. : c. : o.
2	5·0	8·2	9·8	80	− 0·3	+10·2	88	10·2	+ 13	+ 0·2	10·5	74·2	75·20	o. : c.p. : c.f. : b.
3	3·5	6·5	9·2	75	− 1·4	+ 9·9	82	10·0	+ 7	+ 0·1	10·5	74·3	75·15	b. : c.f. : c.p. : c.f.
4	4·5	7·8	9·6	76	− 2·9	+ 9·0	72	9·5	− 3	− 0·4	9·8	74·3	75·15	o.p. : c.p. : c.f.
5	3·5	8·4	6·4	52	+ 0·3	+ 6·6	93	6·6	+ 17	− 3·2	7·0	74·3	75·15	c.f. : c.f. : c.
6	2·5	6·7	10·4	85	+ 4·7	+ 4·3	138	6·4	+ 62	− 3·4	6·7	74·4	75·15	o.p. : c.f.
7	3·5	6·9	1·8	15	+ 1·3	+ 2·3	120	2·7	+ 44	− 7·0	5·3	74·3	75·15	c.f. : c.p. : c.f.
8	3·0	8·1	3·4	29	− 3·7	+ 4·9	53	6·2	− 23	− 3·5	6·6	74·4	75·15	c.d. : c.
9	3·0	8·3	8·9	72	+ 0·9	+ 5·3	100	5·3	+ 24	− 4·3	5·7	74·4	75·15	o.p. : c.f. : c.p.
10	3·0	8·5	4·8	31	+ 4·1	+ 2·6	148	4·9	+ 71	− 4·7	5·7	74·4	75·15	o.p. : c.f. : o.
11	3·0	4·2	11·4	92	+ 5·0	− 2·6	207	5·6	+ 130	− 4·0	6·2	74·4	75·10	c.f.
12	3·5	9·6	1·5	12	+ 1·6	− 1·3	219	2·1	+ 142	− 7·4	6·2	74·4	75·10	c.f. : o.p.
13	4·0	9·0	4·4	35	+ 0·2	+ 6·0	92	6·0	+ 15	− 3·5	6·3	74·5	75·15	o. : c.f. : c. : c.f.
14	3·0	6·0	10·7	86	+ 4·9	+ 1·2	166	5·1	+ 89	− 4·3	7·1	74·5	75·15	c.f.
15	1·0	8·1	4·4	35	+ 3·6	− 2·3	213	4·2	+ 135	− 5·2	5·1	74·5	75·15	c.f. : c.
16	4·5	8·1	6·3	50	− 6·9	+10·2	56	12·3	− 22	+ 2·9	12·4	74·5	75·15	c.f. : o. : c.f. : o.
17	3·0	6·3	11·3	90	− 5·5	+ 9·3	59	10·8	− 19	+ 1·5	10·9	74·6	75·10	o. : c.f.
18	3·0	9·0	7·5	60	− 4·8	+10·4	65	11·5	− 13	+ 2·2	11·4	74·7	75·10	o. : c. : o.
19	3·0	6·5	11·2	89	− 3·5	+12·7	75	13·1	− 3	+ 3·8	13·4	74·7	75·15	o. : c.f. : o.
20	4·0	7·5	9·3	74	− 3·2	+13·1	76	13·5	− 3	+ 4·2	13·5	74·7	75·15	o.p. : c.p.q. : c.f. : o.
21	4·0	9.2	5·9	47	− 2·5	+12·3	78	12·6	− 1	+ 3·4	12·9	74·7	75·10	o.p. : c. : o.p.
22	3·0	8·4	9·6	76	− 2·2	+14·9	82	15·1	+ 3	+ 5·9	15·3	74·8	75·10	o. : c.q. : c.f. : o.
23	5·0	6·5	10·4	83	− 4·3	+14·1	73	14·7	− 6	+ 5·5	14·9	74·9	75·10	o.p. : c.f.q. : o.p.
24	5·0	6·8	11·1	88	− 5·5	+10·8	63	12·1	− 16	+ 2·9	12·2	75·0	75·10	o.p. : c.f. : o.
25	4·0	8·9	6·8	54	− 3·2	+ 9·5	71	10·0	− 9	+ 0·9	10·4	75·0	75·10	o.p. : c.p. : o.p.
26	3·0	8·3	7·7	61	− 3·5	+10·3	71	10·9	− 9	+ 1·8	11·0	75·0	75·05	o.p. : c.f.
27	1·0	6·0	8·3	65	− 2·0	+10·6	79	10·8	− 1	+ 1·7	11·0	75·1	75·00	c.f.
28	3·0	4·8	9·2	72	− 4·1	+11·4	70	12·1	− 10	+ 3·0	12·0	75·1	75·00	c.f. : o.
29	3·0	4·5	11·3	89	− 3·7	+12·9	74	13·4	− 6	+ 4·3	13·7	75·1	75·05	o.p. : c.f.q. : o.p.
30	1·0	8·0	7·1	55	− 3·6	+ 9·5	69	10·2	− 11	+ 1·2	10·5	75·2	75·10	o.d. : c.f. : c.p.
31	2·0	4·7	8·2	64	− 3·8	+ 8·1	65	9·0	− 16	0·0	9·1	75·3	75·15	c.f.
Mean	3·3	7·4	7·82	62·5	− 1·45	+7·90	79·6	8·03	+ 1·9	− 1·38	9·75	74·64	75·12	..
Average	4·0	5·7	8·14	65·1	− 2·00	+9·20	77·7	9·41	..	..	11·00	75·79	76·35	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A negative wave of pressure from the 3rd to the 16th (with a superposed positive wave culminating on the 7th) was accompanied by a positive wave of vapour tension and a negative wave of wind velocity, the temperature oscillating about normal.

A prolonged positive wave of pressure from October 16 to November 10 was accompanied by irregular negative waves of temperature and vapour tension, and till October 30 by a positive wave of wind velocity.

The principal rainfall occurred from the 1st to the 12th, with the pressure below and the vapour tension above normal, and from the 20th to the 26th with the pressure above and the vapour tension below normal.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Nov. 1	29·953	+·045	79·9	64·4	15·5	70·9	−2·9	64·5	59·3	−3·6	67	− 2	·505	143·5	59·1	0·025	70	·265
2	29·980	+·074	80·1	64·2	15·9	71·4	−2·5	64·5	59·2	−3·8	65	− 4	·503	144·6	59·0	0·000	..	·260
3	29·992	+·088	80·0	63·0	17·0	71·5	−2·4	64·4	58·9	−4·2	65	− 4	·498	143·0	58·1	0·000	..	·260
4	29·995	+·093	80·3	66·2	14·1	72·2	−1·8	63·8	57·4	−5·8	60	− 8	·472	146·4	61·3	0·000	..	·250
5	29·998	+·098	80·1	66·0	14·1	72·1	−2·0	66·5	62·3	−1·0	71	+ 3	·562	142·6	61·4	0·010	10	·200
6	29·975	+·078	81·0	63·7	17·3	72·4	−1·8	65·8	60·8	−2·6	67	− 1	·533	140·3	57·6	0·000	..	·280
7	29·980	+·085	79·9	61·0	18·9	70·7	−3·6	64·1	58·9	−4·6	67	− 1	·498	140·0	54·7	0·000	..	·225
8	29·983	+·090	80·2	64·0	16·2	71·2	−3·2	64·7	59·7	−3·9	67	− 1	·512	140·9	57·6	0·015	15	·215
9	29·951	+·060	83·1	62·2	20·9	71·8	−2·7	65·5	60·8	−2·9	68	0	·533	148·1	54·8	0·000	..	·275
10	29·893	+·004	84·7	62·0	22·7	73·5	−1·1	67·6	63·2	−0·6	70	+ 2	·580	141·4	56·5	0·000	..	·240
11	29·915	+·028	83·5	61·3	22·2	72·7	−2·0	66·6	62·0	−1·8	69	+ 1	·556	139·7	55·2	0·000	..	·190
12	29·920	+·035	80·2	67·0	13·2	73·4	−1·4	67·5	63·1	−0·8	70	+ 2	·578	141·0	58·6	0·000	..	·210
13	29·909	+·026	82·9	62·3	20·6	73·2	−1·7	66·9	62·3	−1·7	69	+ 1	·562	145·2	56·2	0·000	..	·280
14	29·907	+·026	83·1	66·2	16·9	73·5	−1·5	68·4	64·7	+0·6	74	+ 6	·611	141·9	59·4	0·040	25	·150
15	29·922	+·043	82·8	66·5	16·3	73·9	−1·2	67·8	63·4	−0·8	70	+ 2	·584	147·7	59·7	0·000	..	·250
16	29·891	+·015	82·1	64·2	17·9	73·6	−1·6	66·9	61·9	−2·4	67	− 1	·554	146·4	56·8	0·000	..	·280
17	29·893	+·019	82·8	66·6	16·2	74·5	−0·8	67·2	61·8	−2·6	65	− 3	·552	148·0	60·2	0·010	10	·290
18	29·883	+·011	81·8	66·8	15·0	73·1	−2·3	67·3	63·0	−1·5	71	+ 3	·576	146·4	61·1	0·250	65	·260
19	29·845	−·025	81·8	66·2	15·6	73·4	−2·1	68·4	64·8	+0·2	74	+ 6	·613	143·3	59·7	0·040	35	·240
20	29·865	−·003	84·1	65·2	18·9	74·1	−1·5	67·6	62·9	−1·8	68	0	·574	144·5	58·7	0·000	..	·300
21	29·883	+·018	83·9	68·6	15·3	74·7	−1·0	68·3	63·5	−1·3	68	0	·586	145·8	64·1	0·025	15	·305
22	29·877	+·014	82·7	68·2	14·5	74·5	−1·3	67·5	62·4	−2·5	66	− 3	·564	143·9	62·7	0·000	..	·290
23	29·873	+·012	83·2	66·1	17·1	74·1	−1·8	67·1	61·9	−3·1	66	− 3	·554	146·4	59·7	0·010	10	·285
24	29·862	+·003	84·1	62·2	21·9	73·2	−2·8	66·1	60·7	−4·4	65	− 4	·531	143·8	54·4	0·000	..	·200
25	29·873	+·016	83·4	65·2	18·2	73·7	−2·4	66·7	61·6	−3·6	66	− 3	·548	144·5	59·7	0·015	25	·255
26	29·906	+·052	81·7	68·3	13·4	74·1	−2·1	65·2	58·5	−6·9	58	− 11	·491	138·0	60·1	0·000	..	·340
27	29·947	+·095	82·0	65·4	16·6	73·7	−2·6	65·6	59·6	−5·9	62	− 7	·511	148·1	58·4	0·000	..	·260
28	29·940	+·090	84·1	68·2	15·9	75·0	−1·4	68·1	63·1	−2·5	66	− 3	·578	147·5	61·8	0·210	15	·325
29	29·911	+·063	85·8	66·3	19·5	74·5	−2·1	67·8	62·8	−2·9	67	− 2	·572	144·5	60·2	0·000	..	·255
30	29·859	+·013	88·1	65·1	23·0	75·6	−1·1	68·4	63·2	−2·6	66	− 3	·580	148·1	59·9	0·000	..	·290
Mean	29·919	+·042	82·4	65·1	17·3	73·2	−2·0	66·6	61·6	−2·7	67·1	−1·3	·549	144·2	58·9	Sum 0·650	Sum 295	·257
Average	29·877	..	84·0	67·0	17·0	75·2	..	68·8	64·3	..	68·4	..	·603	146·3	61·7	1·893	906	·266
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



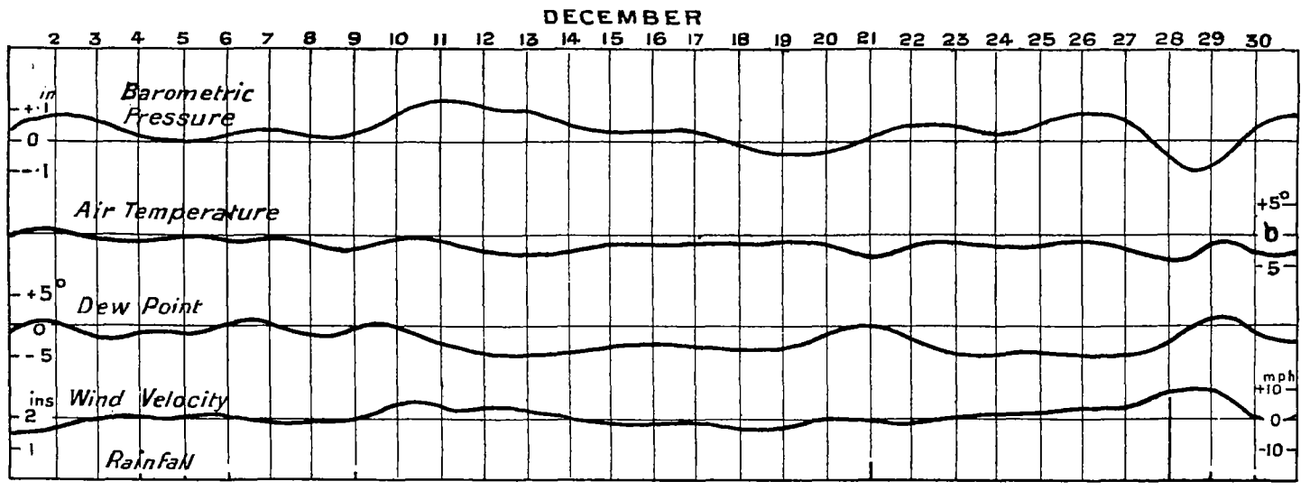
Month and Day, 1906.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Nov. 1	2·0	3·7	10·4	81	− 5·3	+ 9·4	61	10·8	− 20	+ 1·8	10·8	75·2	75·15	c.p. : c.f.
2	2·0	6·3	11·5	90	− 4·3	+10·3	67	11·1	− 14	+ 2·1	11·2	75·2	75·15	c.f.
3	2·0	7·2	9·5	74	− 2·6	+ 9·3	74	9·7	− 7	+ 0·7	9·9	75·3	75·15	c.f. : o.
4	2·0	7·0	8·2	64	− 1·8	+ 8·6	78	8·8	− 3	− 0·2	9·2	75·3	75·15	o. : c.f.
5	3·0	9·3	5·3	41	− 2·4	+10·4	77	10·7	− 4	+ 1·8	11·5	75·3	75·15	c.f. : c. : o.p.
6	0·0	6·0	11·3	88	+ 0·6	+ 8·7	94	8·7	+ 12	− 0·2	9·0	75·3	75·15	c.f. : o.
7	3·0	7·2	8·8	68	0·0	+ 6·9	90	6·9	+ 8	− 2·0	7·2	75·4	75·15	c.f. : o.
8	5·5	4·5	9·3	72	− 2·5	+ 8·7	74	9·0	− 8	+ 0·1	9·3	75·4	75·15	o. : c.p. : c.f.
9	4·0	4·0	10·8	84	0·0	+ 6·9	90	6·9	+ 8	− 2·0	7·5	75·3	75·05	c.f.
10	3·0	4·5	11·6	89	+ 3·1	− 0·8	194	3·2	+ 112	− 5·7	6·9	75·4	75·10	o. : c.f.
11	3·0	4·0	7·9	61	+ 0·8	− 1·3	238	1·6	+ 156	− 7·3	6·0	75·4	75·10	c.f.
12	0·0	8·8	4·0	31	− 4·7	+ 7·7	59	9·0	− 24	+ 0·2	9·5	75·5	75·15	o. : c. : c.f.
13	3·0	4·7	11·7	90	+ 0·8	+ 6·6	97	6·6	+ 14	− 2·2	7·3	75·5	75·20	o. : c.f.
14	3·0	6·4	6·6	51	+ 2·7	+ 6·7	112	7·2	+ 29	− 1·6	7·3	75·5	75·20	o. : c.p. : c.f.
15	4·0	6·3	8·8	68	+ 2·5	+ 6·7	110	7·3	+ 27	− 1·5	7·3	75·6	75·20	c.f. : o.
16	5·0	5·7	11·0	85	+ 1·1	+ 8·6	97	8·7	+ 14	− 0·1	8·7	75·6	75·20	o. : c.f.
17	0·0	6·3	11·4	88	+ 0·5	+ 8·3	97	8·3	+ 13	− 0·5	8·6	75·7	75·20	o. : c.f. : o.p.
18	5·5	8·2	8·0	61	− 1·6	+ 8·6	80	8·8	− 4	0·0	8·8	75·7	75·25	o.p. : c. : c.f. : c.
19	5·5	7·0	9·7	74	+ 0·7	+ 8·3	95	8·3	+ 11	− 0·5	8·5	75·8	75·20	c.p. : c. : c.f.
20	3·0	3·5	11·8	90	+ 0·3	+ 7·9	92	7·9	+ 8	− 0·8	8·0	75·9	75·20	c.f.
21	5·0	4·0	11·6	89	− 0·5	+ 9·1	87	9·1	+ 3	+ 0·4	9·1	76·0	75·20	c.f. : o.p.
22	5·0	4·3	11·4	87	− 1·2	+ 8·7	82	8·8	− 2	+ 0·1	9·1	76·0	75·25	o. : c.f.
23	5·0	5·0	9·5	73	− 1·9	+ 8·7	78	8·9	− 7	+ 0·2	9·1	76·1	75·25	c.f.
24	3·0	5·0	8·8	67	− 2·0	+ 7·8	76	8·1	− 9	− 0·6	8·3	76·1	75·25	c.f.
25	5·0	5·0	7·8	60	− 4·7	+ 7·3	57	8·7	− 28	0·0	9·1	76·1	75·25	o. : c.f. : c.p.
26	4·0	4·7	11·7	89	− 6·3	+11·7	62	13·3	− 23	+ 4·6	13·3	76·2	75·15	o. : c.f. : c.f.
27	4·0	6·8	9·3	71	− 3·4	+ 8·2	67	8·9	− 19	+ 0·2	9·1	76·2	75·15	o. : c. : c.f.
28	3·0	7·0	11·0	83	− 1·0	+ 8·2	83	8·2	− 3	− 0·5	9·1	76·3	75·25	c.f. : o.p.
29	3·5	4·0	11·4	86	+ 2·3	+ 5·9	111	6·4	+ 25	− 2·3	6·5	76·4	75·25	c.f.
30	3·0	5·5	11·4	86	+ 5·1	+ 1·7	162	5·3	+ 76	− 3·4	6·4	76·4	75·30	c.f.
Mean -	3·3	5·7	9·72	74·7	−0·86	+ 7·46	83·4	7·51	+ 0·2	− 1·30	8·72	75·70	75·19	..
Average	3·3	5·5	8·59	66·1	−1·02	+ 8·75	83·2	8·81	..	..	10·70	77·02	76·34	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

The temperature was below normal throughout the month, the pressure was above normal on every day except the 19th and 20th, and the vapour tension below on every day except the 14th and 19th.

Prolonged negative waves of temperature and vapour tension occurred from November 21st to December 1st, and a positive wave of pressure from the 24th to the 30th.

The principal rainfall occurred from the 17th to the 19th, during a feeble negative wave of pressure and a positive wave of vapour tension.

Month and Day, 1906.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Temperature of Radiation. Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	°	ins.	mins.	in.
Dec. 1	29·876	+·033	88·4	65·5	22·9	76·4	−0·4	69·6	64·8	−1·1	67	− 3	·613	151·9	60·9	0·000	..	·240
2	29·927	+·086	85·4	71·5	13·9	77·6	+0·6	70·8	66·1	+0·1	68	− 2	·641	144·7	67·0	0·000	..	·210
3	29·908	+·069	86·9	68·0	18·9	76·7	−0·4	69·4	64·1	−2·1	65	− 5	·598	147·9	60·3	0·000	..	·310
4	29·846	+·009	84·4	67·4	17·0	76·2	−1·0	69·5	64·7	−1·6	68	− 2	·611	149·2	61·1	0·000	..	·320
5	29·822	−·013	84·6	69·7	14·9	76·7	−0·6	70·1	65·3	−1·1	68	− 2	·624	145·1	64·4	0·030	45	·320
6	29·846	+·013	84·5	71·4	13·1	76·5	−0·9	71·0	67·1	+0·6	73	+ 3	·664	145·8	66·9	0·285	55	·300
7	29·865	+·034	84·4	69·6	14·8	76·7	−0·8	70·7	66·5	−0·1	71	+ 1	·650	145·2	64·6	0·010	10	·280
8	29·838	+·009	84·6	68·8	15·8	76·2	−1·4	69·6	64·9	−1·8	68	− 2	·615	143·5	63·5	0·010	10	·290
9	29·843	+·016	83·5	68·5	15·0	75·2	−2·4	69·9	66·1	−0·7	74	+ 3	·641	145·1	61·7	0·210	50	·220
10	29·904	+·079	83·6	72·7	10·9	77·3	−0·4	70·9	66·4	−0·6	69	− 2	·648	141·2	69·8	0·015	25	·305
11	29·946	+·124	83·8	71·2	12·6	76·7	−1·1	69·4	64·2	−2·9	65	− 6	·601	143·9	66·7	0·000	..	·290
12	29·937	+·117	84·8	69·8	15·0	75·2	−2·6	68·0	62·7	−4·5	65	− 6	·570	147·2	63·3	0·000	..	·350
13	29·908	+·090	84·3	68·8	15·5	75·1	−2·8	68·0	62·8	−4·5	66	− 5	·572	145·1	62·1	0·000	..	·315
14	29·862	+·046	83·9	66·2	17·7	75·0	−3·0	68·0	62·8	−4·6	66	− 5	·572	142·4	62·4	0·000	..	·325
15	29·845	+·031	85·2	69·2	16·0	76·1	−1·9	69·1	64·1	−3·4	66	− 5	·598	148·2	63·1	0·000	..	·280
16	29·851	+·040	85·1	67·9	17·2	76·4	−1·7	69·8	65·0	−2·6	68	− 3	·617	152·3	61·7	0·000	..	·265
17	29·838	+·029	85·6	69·5	16·1	76·8	−1·3	69·8	64·9	−2·9	67	− 4	·615	141·8	63·6	0·000	..	·350
18	29·792	−·015	88·9	66·3	22·6	76·8	−1·4	69·4	64·1	−3·8	65	− 6	·598	150·8	59·4	0·000	..	·350
19	29·764	−·041	87·5	65·1	22·4	77·1	−1·1	70·1	65·0	−3·0	66	− 5	·617	138·3	57·1	0·000	..	·315
20	29·767	−·036	81·9	72·3	9·6	76·7	−1·6	70·8	66·6	−1·5	71	0	·652	134·1	70·2	0·000	..	·175
21	29·804	+·004	81·8	70·9	10·9	74·3	−4·0	70·9	68·3	+0·1	82	+ 11	·692	135·2	67·0	0·630	215	·205
22	29·850	+·052	84·6	71·2	13·4	76·8	−1·6	70·5	66·0	−2·3	69	− 2	·639	145·7	66·9	0·000	..	·275
23	29·840	+·044	84·6	70·0	14·6	76·6	−1·8	69·2	63·8	−4·6	65	− 6	·592	147·4	65·5	0·010	20	·325
24	29·819	+·025	85·6	68·6	17·0	76·6	−1·8	69·5	64·3	−4·2	66	− 5	·603	149·1	62·4	0·005	15	·285
25	29·859	+·067	85·8	69·8	16·0	76·7	−1·8	69·4	64·2	−4·4	66	− 5	·601	150·2	64·4	0·010	10	·265
26	29·881	+·091	85·0	70·6	14·4	77·1	−1·4	69·6	64·3	−4·4	65	− 7	·603	145·4	64·7	0·000	..	·280
27	29·859	+·071	84·6	70·1	14·5	76·5	−2·0	69·4	64·3	−4·5	66	− 6	·603	143·0	61·4	0·020	25	·235
28	29·738	−·048	82·4	70·5	11·9	74·0	−4·6	69·6	66·3	−2·6	77	+ 5	·646	133·1	65·4	2·675	590	·090
29	29·708	−·076	84·8	72·6	12·2	77·2	−1·4	73·1	70·1	+1·1	79	+ 7	·736	144·7	70·1	0·320	255	·170
30	29·837	+·055	81·6	71·0	10·6	75·4	−3·2	71·1	68·0	−1·1	78	+ 6	·684	143·5	69·2	0·100	155	·180
31	29·872	+·092	83·5	69·8	13·7	76·0	−2·6	70·3	66·2	−3·0	72	0	·644	142·3	65·8	0·000	..	·240
Mean	29·847	+·036	84·7	69·5	15·2	76·3	−1·7	69·9	65·3	−2·3	69·1	−1·8	·625	144·6	64·3	Sum 4·330	Sum 1480	·270
Average	29·811	..	85·7	71·0	14·7	78·0	..	72·1	67·6	..	70·9	..	·676	146·7	66·4	4·882	1502	·255
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1906.	Ozone (Scale 0–10).	Mean Amount of Cloud (Scale 0–10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above Average. Velocity.	Wind. Observed Velocity.	Temperature of the Soil. 5 Feet.	Temperature of the Soil. 10 Feet.	Weather.
			hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h.	°	°	
Dec. 1	3·0	7·6	8·4	63	+ 3·3	− 1·4	203	3·6	+ 117	− 5·0	5·9	76·5	75·30	c.f. : c. : o.
2	4·0	6·5	8·2	62	− 4·7	+ 3·4	36	5·8	− 51	− 2·8	7·5	76·6	75·30	o. : c. : c.f.
3	3·0	5·5	12·2	92	− 5·2	+ 6·9	53	8·6	− 34	0·0	8·7	76·7	75·30	c.f.
4	4·0	6·0	12·0	91	− 0·9	+ 7·6	83	7·7	− 4	− 0·9	8·4	76·8	75·35	c.f.
5	5·0	6·0	10·4	79	+ 0·9	+ 9·0	96	9·0	+ 9	+ 0·4	9·0	76·8	75·35	c.p. : c.f. : o.
6	5·0	8·0	9·3	70	+ 0·7	+ 8·8	95	8·9	+ 7	+ 0·3	9·5	76·9	75·40	o. : c.f. : c.p. : c.f.
7	0·5	5·2	12·1	92	+ 3·3	+ 6·7	116	7·4	+ 28	− 1·2	7·7	77·0	75·40	o. : c.f. : o.p.
8	1·0	4·8	11·3	86	+ 2·1	+ 6·5	108	6·9	+ 20	− 1·7	7·0	77·1	75·40	o.p. : c.f.
9	2·0	6·6	6·0	45	+ 2·3	+ 7·5	107	7·8	+ 19	− 0·8	8·0	77·2	75·40	c.f. : o.p.
10	0·0	7·7	10·8	81	+ 2·0	+13·1	99	13·2	+ 10	+ 4·6	13·2	77·2	75·40	c. : c.p.
11	0·5	6·8	10·9	83	− 0·9	+11·3	85	11·4	− 4	+ 2·9	11·7	77·3	75·40	c.f.
12	0·0	5·5	10·8	81	− 4·8	+11·0	66	12·0	− 23	+ 3·5	12·2	77·3	75·40	c.f.
13	0·5	4·7	10·8	81	− 2·3	+10·5	78	10·7	− 12	+ 2·2	10·8	77·3	75·40	c.f.
14	1·5	5·3	11·9	89	− 1·0	+ 8·7	83	8·8	− 7	+ 0·3	9·1	77·4	75·45	c.f.
15	0·5	6·5	8·7	65	+ 0·5	+ 7·0	94	7·0	+ 4	− 1·5	7·2	77·4	75·45	b. : c.f.
16	3·5	7·2	9·2	69	+ 0·3	+ 7·9	92	7·9	+ 1	− 0·6	8·0	77·4	75·45	c.f. : b.
17	3·5	5·8	10·6	80	+ 1·2	+ 7·4	99	7·5	+ 8	− 1·0	7·6	77·5	75·45	b. : c.f. : b.
18	0·0	5·5	11·5	86	+ 5·0	+ 2·1	157	5·4	+ 66	− 3·1	7·0	77·5	75·45	c.f. : b.
19	1·5	3·5	12·1	91	+ 3·7	− 4·3	229	5·7	+ 138	− 2·8	7·4	77·6	75·50	c.f.
20	1·0	9·7	1·3	10	− 7·8	+ 4·0	27	8·8	− 65	+ 0·3	10·1	77·7	75·50	o.
21	0·0	9·6	1·7	13	− 4·2	+ 6·9	59	8·0	− 33	− 0·5	8·5	77·8	75·55	o.r. : c. : c.f.
22	3·0	5·0	10·8	81	− 2·7	+ 7·7	71	8·2	− 21	− 0·3	8·5	77·9	75·55	o. : c.f.
23	2·0	6·5	11·8	89	− 4·3	+ 9·4	65	10·4	− 28	+ 1·9	10·5	78·0	75·60	c.f. : c.p.
24	0·5	6·6	10·0	75	− 5·3	+ 8·6	58	10·1	− 35	+ 1·6	10·2	78·1	75·60	c.f.
25	0·0	6·8	7·8	59	− 7·0	+ 8·8	52	11·2	− 41	+ 2·7	11·3	78·1	75·60	c.f.
26	0·0	5·5	11·3	85	− 6·8	+10·9	58	12·8	− 35	+ 4·3	12·9	78·2	75·65	o. : c.f.q.
27	2·0	6·5	10·7	80	− 5·5	+11·6	65	12·9	− 27	+ 4·4	13·0	78·2	75·65	c.f. : o.p.
28	2·5	9·4	1·0	8	− 7·2	+16·3	66	17·8	− 26	+ 9·3	18·1	78·2	75·65	c.f. : o.r.q.
29	3·0	8·5	8·5	64	+14·9	+10·4	145	18·2	+ 53	+ 9·7	21·2	78·3	75·65	o.p.q. : c. : c.p.
30	3·5	8·7	5·3	40	+ 2·0	+ 8·6	103	8·9	+ 12	+ 0·4	9·1	78·3	75·65	o.p. : c.f.
31	3·0	6·6	8·9	67	− 0·3	+ 9·7	88	9·7	− 3	+ 1·2	9·7	78·4	75·70	c.f.
Mean	1·9	6·6	9·24	69·6	− 0·93	+ 7·83	83·2	7·88	− 7·7	− 0·65	9·97	77·51	75·48	..
Average	3·1	6·1	8·27	62·3	+ 0·13	+ 8·53	90·9	8·53	..	..	10·79	78·55	76·60	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A positive wave of pressure, from November 30th to December 5th, was accompanied by feeble double waves of temperature and vapour tension (from positive to negative), and a negative wave of wind velocity.

A positive wave of pressure from the 9th to the 14th was accompanied by negative waves of temperature and vapour tension and a positive wave of wind velocity.

The latter portion of a negative wave of pressure from the 19th to the 22nd was accompanied by a negative wave of temperature and a positive wave of vapour tension, both superposed on long negative waves.

A negative wave of pressure from the 27th to the 30th, due to the passage of a cyclone to the north of the Island, was accompanied by a positive wave of wind velocity; positive waves of temperature and vapour tension occurring during the increase of pressure from the 28th to the 30th.

The principal rainfall of the month fell during the passage of this cyclone.

MONTHLY RESULTS of the METEOROLOGICAL ELEMENTS for the YEAR 1906.

Month, 1906.	Mean Barometric Pressure.	Temperature of the Air. Highest.	Lowest.	Range.	Mean of the Daily Maxima.	Mean of the Daily Minima.	Mean of the Daily Ranges.	Mean.	Temperature of Evaporation.	Temperature of the Dew Point.	Degree of Humidity (Saturation = 100).	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.
	ins.	°	°	°	°	°	°	°	°	°		in.			ins.	mins.
January -	29·779	89·6	65·7	23·9	86·1	72·6	13·5	78·6	73·6	70·2	75·6	·740	144·5	67·0	3·47	1190
February -	29·744	90·1	71·4	18·7	87·2	74·0	13·2	79·9	76·2	73·6	81·4	·829	147·7	69·3	5·13	1335
March - -	29·740	88·5	69·7	18·8	85·2	73·7	11·5	78·6	75·6	73·5	84·7	·827	145·7	69·9	11·15	2160
April - -	29·769	87·9	61·5	26·4	83·5	68·6	14·9	75·5	70·4	66·7	74·5	·661	141·7	60·9	0·17	135
May - -	29·909	84·0	57·4	26·6	79·2	66·8	12·4	72·1	67·6	64·2	76·3	·603	130·7	60·4	4·03	2500
June - -	29·931	79·1	53·5	25·6	76·4	62·1	14·3	68·4	63·6	59·8	74·5	·518	129·2	55·5	1·83	1250
July - -	30·001	76·8	55·1	21·7	74·4	62·5	11·9	67·8	63·5	60·1	76·9	·523	127·6	56·0	5·64	3350
August -	29·968	77·4	51·6	25·8	74·9	61·0	13·9	67·6	62·8	58·9	74·2	·502	131·4	54·3	1·89	1455
September -	29·989	79·9	54·1	25·8	75·5	61·2	14·3	67·7	62·5	58·4	72·5	·491	136·4	54·3	1·78	1390
October - -	29·953	82·5	60·1	22·4	78·7	65·0	13·7	71·2	66·0	62·1	73·2	·559	139·3	59·6	2·06	1295
November -	29·919	88·1	61·0	27·1	82·4	65·1	17·3	73·2	66·6	61·6	67·1	·549	144·2	58·9	0·65	295
December -	29·847	88·9	65·1	23·8	84·7	69·5	15·2	76·3	69·9	65·3	69·1	·625	144·6	64·3	4·33	1480
																hours.
Year - -	29·879	..	..	38·5	80·7	66·8	13·9	73·1	68·2	64·5	75·0	·619	138·6	60·9	42·13	297·2
Maximum -	ins. 30·181 July 3	90·1 Feb. 8	..	27·1 Nov.	87·2 Feb.	..	23·0 Nov. 30	..	81·1 Mar. 3	78·8 Mar. 4	97·8 Feb. 1	·984 Mar. 4	160·4 Feb. 21	74·5 Jan. 27	ins. 3·11 during the 24 hours ending Mar. 8d. 1h.	
Minimum -	ins. 29·337 Dec. 9	..	51·6 Aug. 15	18·7 Feb.	..	61·0 Aug.	2·8 July 21	..	51·2 Aug. 15	49·9 Aug. 18	40·7 Nov. 26	·360 Aug. 18	91·1 May 31	60·4 Sep. 29	..	
Column - -	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Month, 1906.	Rainfall. Amount collected in the Glaisher Rain Gauge.	Excess of Beckley over Glaisher.	Mean Daily Amount of Evaporation.	Mean Daily Amount of Ozone (0—10).	Mean Amount of Cloud (0—10).	Daily Duration of Sunshine.	Percentage of Possible Sunshine.	Wind. Resultants. Direction.	Velocity.	Recorded Velocity.	Number of Days of Clear Sky (less than 3 of Cloud).	Overcast Sky (more than 7 of Cloud).	Rain.	Thunderstorms.	Lightning only.	Temperature of the Soil. At a Depth of 5 Feet.	At a Depth of 10 Feet.
	ins.	in.	in.			hrs.		°	m.p.h.	m.p.h.						°	°
January -	3·42	+·05	·228	4·0	6·5	8·45	64·2	75·5	8·55	9·91	2	14	13	3	3	79·07	75·96
February -	5·04	+·09	·183	3·7	7·2	8·07	63·5	97·8	4·85	6·82	0	15	23	14	6	79·98	76·35
March - -	11·08	+·07	·151	2·5	8·1	6·10	50·1	85·5	4·56	7·33	0	24	19	12	1	81·15	76·88
April - -	0·16	+·01	·168	4·5	5·9	8·80	75·8	56·5	7·36	8·57	3	9	4	0	0	80·85	77·60
May - -	3·92	+·11	·157	4·8	7·1	6·68	59·9	57·9	9·42	10·31	0	17	20	1	0	79·44	77·98
June - -	1·80	+·03	·133	5·0	6·3	7·75	71·0	54·4	8·17	9·35	2	12	17	0	0	77·71	77·75
July - -	5·53	+·11	·132	5·4	6·8	7·94	72·2	62·4	11·58	11·92	1	2	26	0	0	75·80	76·69
August - -	1·84	+·05	·150	5·7	6·3	7·85	69·0	55·3	8·42	9·94	2	12	17	0	0	74·55	75·96
September -	1·73	+·05	·160	5·7	6·7	7·88	66·2	59·9	8·98	10·45	0	15	18	0	0	74·19	75·37
October -	2·01	+·05	·198	3·3	7·4	7·82	62·5	79·6	8·03	9·75	0	18	19	0	0	74·64	75·12
November -	0·62	+·03	·257	3·3	5·7	9·72	74·7	83·4	7·51	8·72	0	5	11	0	0	75·70	75·19
December -	4·52	−·19	·270	1·9	6·6	9·24	69·6	83·2	7·88	9·97	0	9	14	0	0	77·51	75·48
Year - -	41·66	+0·47	·182	4·2	6·7	8·03	66·6	68·8	7·73	9·42	10	152	201	30	10	77·55	76·36
Maximum - -	..	..	·350 Dec. 12	7·5 July 3	..	hrs. 12·3 Jan. 7	95 Apr. 17	48·0 m.p.h. for 1 hour on Dec. 29			3 April	24 Mar.	26 July	12 Feb.	6 Feb.	° 81·6 Mar. 7	° 78·17 Mar. 7
			17, 18														
Minimum -	..	..	0·30 July 21	0	..	..	..	..	0	0	0	2 July	4 Apr.	0	0	° 74·0 Sep. 19	° 75·0 Oct. 27 & 28.
Column - -	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

MONTHLY NORMALS of the METEOROLOGICAL ELEMENTS and EXTREME VALUES.

Month.	Mean Barometric Pressure.	Temperature of the Air. Highest.	Lowest.	Range.	Mean of the Daily Maxima.	Mean of the Daily Minima.	Mean of the Daily Ranges.	Mean.	Temperature of Evaporation.	Temperature of the Dew Point.	Degree of Humidity (Saturation = 100).	Elastic Force of Vapour.	Temperature of Radiation. Highest in the Sun's Rays.	Lowest on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.
	ins.	°	°	°	°	°	°	°	°	°		in.			ins.	mins.
January	29·750	93·1	64·7	22·0	86·1	72·9	13·2	78·9	73·8	70·2	75·1	·737	146·8	69·0	8·39	2266
February	29·730	91·0	63·8	20·0	85·6	73·0	12·6	78·5	74·1	70·9	77·7	·757	147·1	68·9	7·68	2030
March	29·766	88·8	63·3	19·6	84·0	72·1	11·9	77·3	73·3	70·6	80·2	·747	144·7	68·2	9·87	2946
April	29·822	86·9	61·2	20·9	82·0	70·1	11·9	75·3	71·4	68·8	80·9	·704	140·8	65·2	4·71	1708
May	29·890	84·5	55·4	23·2	79·0	66·3	12·7	72·1	68·1	65·3	79·3	·625	135·1	60·5	3·08	1335
June	29·965	82·9	50·6	23·1	76·2	62·6	13·6	68·7	64·4	61·1	76·4	·538	131·3	56·2	2·08	1275
July	30·004	80·3	51·3	22·2	75·2	61·5	13·7	67·5	63·1	59·4	75·7	·507	130·6	55·7	2·24	1494
August	30·010	80·3	50·9	22·9	75·7	61·8	13·9	68·0	63·2	59·4	74·5	·508	134·1	55·8	2·71	1696
September	29·993	82·9	50·9	24·2	77·6	62·4	15·2	69·6	64·3	60·2	71·9	·522	138·6	56·6	1·34	934
October	29·942	87·8	54·6	26·0	81·0	64·7	16·3	72·1	66·2	61·8	70·1	·552	143·0	59·2	1·27	835
November	29·877	90·0	57·9	26·8	84·1	67·2	16·9	75·2	68·8	64·3	68·4	·603	146·3	61·7	1·89	906
December	29·811	94·7	62·1	24·0	85·7	71·1	14·6	78·0	72·1	67·6	70·9	·676	146·7	66·4	4·88	1502
Year	29·880	..	..	37·5	81·0	67·1	13·9	73·4	68·6	65·0	75·1	·623	140·4	61·9	50·14	hours. 315·5
Maximum	ins. 30·274 June 20 1877	° 94·7 Dec. 23 1900	..	° 43·9 1900	° 89·9 Jan. 1900	..	° 27·8 Aug. 12 1902	° 75·0 1875	° 82·8 Mar. 6 1905	° 81·5 Mar. 6 1905	98·5 Jan. 12 1901	ins. 1·077 Mar. 6 1905	° 165·5 Feb. 15 1898	..	ins. 19·318 during 24 hours ending Feb. 20d. 13* 1896.	
Minimum	ins. 27·780 April 29 1892	..	° 50·6 June 10 1894	° 34·0 1892	..	° 59·1 June 1894	° 2·0 June 14 1891	° 72·4 1893	° 48·9 June 10 1894	° 46·7 June 10 1894	° 34·0 Nov. 26 1896	in. ·321 June 10 1894	..	° 42·0 Sept. 21 1904	..	
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Month.	Rainfall. Amount collected in the Glaisher Rain Gauge.	Excess of Beckley over Glaisher.	Mean Daily Amount of Evaporation.	Mean Daily Amount of Ozone (0—10).	Mean Amount of Cloud. (0—10).	Daily Duration of Sunshine.	Percentage of Possible Sunshine.	Wind. Resultant. Direction.	Velocity.	Recorded Velocity.	Number of Days of. Clear Sky (less than 3 of Cloud).	Overcast Sky (more than 7 of Cloud).	Rain.	Thunderstorms.	Lightning only.	Temperature of the Soil. At a Depth of 5 Feet.	At a Depth of 10 Feet.
	ins.	in.	in.			hrs.		°	m.p.h.	m.p.h.						°	°
January	8·36	+·03	·243	3·2	6·4	7·69	58·6	86·5	8·42	11·07	1·3	11·6	18·9	4·2	2·0	79·92	77·12
February	7·58	+·10	·214	3·0	6·3	7·21	56·7	81·2	8·13	10·99	1·5	11·0	18·4	3·7	2·0	80·74	77·64
March	9·86	+·01	·183	3·6	6·4	6·72	55·3	77·9	8·08	10·42	1·4	12·7	21·4	4·6	1·7	81·15	78·06
April	4·63	+·08	·166	4·1	5·7	7·31	63·1	70·4	8·56	10·51	3·1	8·6	18·1	2·8	1·4	80·82	78·31
May	3·02	+·06	·144	4·4	5·1	7·37	66·4	64·7	9·00	10·27	6·6	7·0	14·9	1·2	0·4	79·71	78·39
June	2·04	+·04	·125	4·8	4·9	7·43	68·3	60·8	10·16	11·19	5·7	5·8	15·6	0·1	0·1	78·09	78·25
July	2·23	+·01	·135	5·1	5·1	7·65	69·5	64·4	10·86	11·96	4·9	5·6	19·7	0·0	0·0	76·38	77·82
August	2·63	+·08	·158	5·2	5·5	7·49	65·7	67·7	11·18	12·34	3·4	7·6	19·6	0·1	0·0	75·28	77·25
September	1·30	+·04	·191	4·8	5·6	8·01	67·0	71·5	10·69	12·02	3·1	7·5	15·4	0·1	0·0	75·14	76·69
October	1·23	+·04	·228	4·1	5·7	8·14	65·1	77·7	9·41	11·00	2·3	7·2	14·2	0·2	0·1	75·79	76·35
November	1·86	+·03	·267	3·4	5·5	8·59	66·1	83·4	8·81	10·70	2·2	6·7	12·2	0·7	0·4	77·02	76·34
December	4·81	+·07	·254	3·1	6·1	8·27	62·3	90·9	8·53	10·79	1·9	10·5	16·0	2·4	1·2	78·55	76·60
Year	49·55	+·59	·192	4·1	5·7	7·66	63·7	74·0	9·20	11·10	37·4	101·8	204·4	20·1	9·3	78·22	77·40
Maximum	..	..	·360 Nov. 23 1904	9·7 June 2 1896	..	hrs. 12·5 Dec. 9 1889	97*	103·3 m.p.h. for 1 hr. 121·2 m.p.h. for 5 mins.		On Apr. 29 1892	13 Aug. 1902	25 Jan. 1905	31 Jan. 1905	19 Jan. 1898	9 Jan. 1863	° 82·7 Feb. 13 1892	° 79·99 May 13 1898
Minimum	..	..	·025 June 23 1905	0	..	0	0	..			0	1†	4 June 1900	0	0	° 74·0 Sep. 13 1893 Sep. 1 1904	° 75·24 Nov. 15 1893
Column	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

* On June 19, 1899; June 12, 1904; April 19 and July 20, 1905.

† In April and June 1879; May 1882; July 1888

HIGHEST and LOWEST READINGS of the BAROMETER, reduced to 32° Fahrenheit and corrected for DIURNAL VARIATION, as extracted from the PHOTOGRAPHIC RECORDS.

Highest.			Lowest.			Highest.			Lowest.		
Mauritius Civil Time, 1906.		Reading.	Mauritius Civil Time, 1906.		Reading.	Mauritius Civil Time, 1906.		Reading.	Mauritius Civil Time, 1906.		Reading.
	d h	ins.		d h	ins.		d h	ins.		d h	ins.
January	10. 6	29·888	January	3.11	29·578	July	3. 9	30·162	July	20.16	29·836
	20. 7	29·843		18. 3	29·748		26.20	30·085		29.11	29·911
	25.18	29·874		22. 4	29·749						
	28.18	29·825		27.10	29·741	August	1. 0	30·003	August	3. 5	29·803
							5.22	30·047		8. 0	29·931
February	5. 6	29·865	February	3.10	29·727		9.21	30·006		14. 9	29·795
	9. 9	29·859		7. 9	29·677		20. 6	30·044		23. 3	29·949
	12.16	29·816		10.23	29·761		27. 9	30·115		30.11	30·039
	22.12	29·813		18.21	29·679						
				28.16	29·545	September	1. 9	30·088	September	6.16	30·002
March	6. 5	29·801					9. 2	30·107		14.12	29·961
	11. 4	29·829	March	7. 5	29·685		15.18	30·007		21.18	29·886
	16.17	29·812		14.10	29·723		23. 6	29·957		25. 3	29·886
	22.17	29·826		19. 8	29·711		27. 8	29·965		30. 2	29·896
	26.16	29·761		24.21	29·675						
						October	3.10	29·989	October	5. 2	29·901
April	5. 0	29·746	April	2.16	29·671		6.18	29·982		11. 3	29·855
	16.16	29·885		9.15	29·455		12.17	29·934		14.21	29·851
	22. 3	29·873		17.21	29·831		23. 9	30·051		26. 1	29·949
				27.22	29·777		30.16	29·996			
May	2.13	29·947							November	1. 0	29·927
	6.13	29·905	May	4.12	29·857	November	5.19	30·021		10.11	29·877
	13. 1	30·029		9.19	29·714		12. 8	29·938		19.21	29·830
	17.18	30·030		15. 3	29·936		21.18	29·899		24.12	29·846
				28. 9	29·836		27.22	29·963		30. 5	29·847
June	2.17	30·044									
	15.15	30·110	June	12.11	29·784	December	2.20	29·952	December	5. 0	29·803
	24.15	30·007		21.13	29·858		7. 5	29·876		9. 4	29·809
				26.12	29·865		11. 6	29·969		19. 2	29·755
							22.19	29·868		24. 9	29·806
							26.20	29·901		29. 1	29·335

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS in the YEAR 1906.

(The results in each case are diminished by the smallest hourly value.)

January.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°).	Degree of Humidity (0·1 °/c).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 °/c).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine.* (1 °/c).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.)	Hour, Mauritius Civil Time.
Midnight	60	14	7	4	241	10	0	0	0	..	7	12	4	6	3	4	Midnight
1	44	12	6	3	243	8	10	21	6	..	0	12	3	6	2	3	1h
2	33	10	6	3	252	8	40	86	17	..	4	10	4	5	4	3	2
3	24	5	3	2	260	5	21	45	13	..	3	9	5	4	5	5	3
4	22	2	1	1	266	3	5	10	6	..	7	8	1	2	2	4	4
5	29	0	0	1	272	3	6	14	8	6	22	11	0	4	0	0	5
6	44	3	4	5	275	13	19	41	7	58	21	10	0	3	0	1	6
7	57	38	25	19	218	49	81	172	37	74	24	1	12	0	15	16	7
8	59	64	32	12	131	31	6	14	5	77	28	0	44	7	45	50	8
9	59	81	35	6	75	16	19	41	5	78	29	3	53	10	53	61	9
10	56	97	37	0	29	0	11	24	8	77	32	7	56	12	54	63	10
11	46	106	40	0	8	0	16	34	19	81	30	13	57	15	54	73	11
Noon	37	111	43	1	0	3	11	24	10	78	30	20	57	19	54	69	Noon
13h	26	112	44	3	2	8	114	245	23	73	35	23	58	21	55	73	13h
14	14	110	43	3	5	8	89	190	15	71	34	20	57	19	54	76	14
15	4	104	41	2	16	5	55	117	28	66	31	17	55	17	53	70	15
16	0	95	37	1	34	3	53	114	18	58	30	10	52	13	50	66	16
17	10	80	32	2	70	5	400	855	42	46	25	8	50	12	49	63	17
18	28	63	26	2	108	5	56	121	29	7	29	6	42	10	41	47	18
19	47	44	21	7	167	18	11	24	13	..	28	9	19	8	18	22	19
20	60	33	16	6	197	16	5	10	11	..	7	11	10	7	9	11	20
21	70	27	14	6	212	16	52	110	29	..	5	11	10	7	9	12	21
22	77	23	13	7	225	18	37	79	31	..	7	11	10	7	9	13	22
23	73	20	11	6	230	16	2	3	3	..	7	11	9	7	8	10	23
24	63	15	9	6	243	16	0	0	0	..	7	14	4	8	3	4	24
Means -	41·7	50·8	21·8	4·3	151·2	11·3	44·8	..	15·3	..	19·3	10·7	26·9	9·2	26·0	32·8	Means.
Number of Days employed.	31	31	31	31	31	31	31		31	31	31	31	31	31	31	31	Number of Days employed.

February.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°).	Degree of Humidity (0·1 °/c).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 °/c).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine.* (1 °/c).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.)	Hour, Mauritius Civil Time.
Midnight	56	11	7	4	222	11	5	7	8	..	6	5	0	5	0	2	Midnight
1h	42	7	3	0	222	0	61	79	19	..	4	4	7	5	7	2	1h
2	30	5	4	3	239	9	67	87	29	..	2	6	5	8	5	0	2
3	21	3	1	0	235	0	32	42	17	..	0	8	1	11	1	0	3
4	19	1	1	1	244	3	359	469	33	..	7	7	4	10	4	0	4
5	24	0	0	0	243	0	28	36	26	2	4	7	10	10	10	4	5
6	34	0	1	1	247	3	18	23	29	47	5	9	10	13	10	4	6
7	45	29	25	21	220	59	4	5	2	76	15	8	7	12	7	1	7
8	55	60	40	27	148	76	0	0	1	79	22	8	26	12	26	25	8
9	61	79	44	21	85	59	66	86	8	76	29	22	38	24	39	41	9
10	61	89	46	17	51	47	23	29	6	78	32	31	41	30	44	45	10
11	54	97	49	18	33	50	4	5	1	76	32	35	40	34	45	48	11
Noon	39	103	51	18	21	50	7	9	3	78	27	38	40	36	46	51	Noon
13h	23	109	52	17	4	47	9	12	0	84	29	40	38	38	45	55	13h
14	9	109	51	15	0	42	11	14	3	75	30	42	36	40	44	54	14
15	1	102	47	12	8	33	145	189	36	57	29	35	33	36	38	49	15
16	0	91	43	12	33	33	61	79	27	47	32	30	28	33	32	41	16
17	3	78	38	12	63	33	104	136	13	29	28	17	20	22	20	36	17
18	14	64	31	8	91	22	136	178	19	1	26	14	12	20	12	17	18
19	30	45	26	12	151	33	104	136	24	..	17	4	6	5	6	3	19
20	45	33	20	12	183	33	20	26	20	..	4	3	11	4	11	6	20
21	55	24	15	10	199	28	236	308	19	..	2	1	13	2	14	10	21
22	59	19	13	9	214	25	95	124	31	..	0	1	13	2	14	7	22
23	57	15	11	9	224	25	200	262	35	..	8	0	11	0	12	7	23
24	64	12	8	5	222	14	5	7	8	..	5	4	2	4	2	2	24
Means -	36·0	47·4	25·1	10·6	144·1	29·4	72·0	..	16·7	..	15·8	15·2	18·1	16·6	19·8	20·4	Means.
Number of Days employed.	28	28	28	28	28	28	28		28	28	28	28	28	28	28	28	Number of Days employed.

* Hours reckoned from *apparent* midnight.

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS, in the YEAR 1906—*continued.*

(*The results in each case are diminished by the smallest hourly value.*)

March.

Hour Mauritius Civil Time.	Barometric Pressure. (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine * (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	46	14	11	9	167	24	84	56	36	..	8	10	1	11	0	1	Midnight
1h	34	11	9	8	175	22	298	199	55	..	1	6	4	6	4	1	1h
2	20	8	6	6	178	16	258	172	54	..	0	2	8	2	9	7	2
3	8	5	5	5	180	13	158	105	28	..	2	2	6	1	7	8	3
4	5	2	2	3	185	8	176	117	52	..	6	0	9	0	10	7	4
5	10	0	0	0	179	0	153	102	33	..	3	1	11	2	12	10	5
6	22	0	0	1	184	2	163	109	22	17	10	2	9	2	10	5	6
7	35	16	14	14	175	38	200	132	33	53	6	5	10	6	10	2	7
8	50	43	31	23	125	63	358	239	51	63	6	7	19	10	19	16	8
9	56	64	39	23	67	63	265	177	31	66	10	12	24	15	23	30	9
10	55	77	44	24	34	66	166	111	18	69	12	16	28	19	27	48	10
11	49	87	49	25	12	69	211	141	22	72	15	21	28	23	28	42	11
Noon	33	92	51	25	0	69	4	3	7	66	16	27	23	29	24	43	Noon
13h	16	91	50	24	0	66	263	176	20	62	20	28	15	32	16	45	13h
14	4	89	48	22	1	60	353	236	38	48	20	28	5	36	6	41	14
15	0	84	45	19	5	52	166	111	54	45	19	25	0	34	1	33	15
16	1	78	42	18	18	49	24	16	12	38	21	20	5	25	4	21	16
17	8	67	37	18	45	49	18	12	18	12	16	15	10	18	9	14	17
18	20	52	32	19	89	52	0	0	5	..	15	8	7	9	7	6	18
19	35	35	23	15	122	41	0	0	2	..	11	4	2	2	2	2	19
20	49	29	19	14	136	38	13	9	13	..	7	4	0	1	0	0	20
21	60	23	16	11	147	30	10	7	5	..	3	4	1	2	1	0	21
22	62	19	13	9	150	24	0	0	0	..	7	4	2	2	2	1	22
23	57	17	12	8	156	22	179	120	25	..	9	4	3	3	3	5	23
24	50	12	8	6	163	16	84	56	36	..	8	9	1	9	0	3	24
Means -	31·4	40·6	24·2	14·0	107·7	38·1	144·2	..	26·8	..	10·0	10·6	9·2	12·0	9·4	15·6	Means.
Number of Days employed.	31	31	31	31	31	31	31		31	31	31	31	31	31	31	31	Number of Days employed.

April.

Hour Mauritius Civil Time.	Barometric Pressure. (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine * (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	50	17	12	9	260	20	5	214	5	..	6	25	4	10	0	3	Midnight
1h	37	15	11	7	261	15	0	0	0	..	6	21	11	11	8	9	1h
2	26	11	7	4	263	9	0	0	0	..	6	24	6	11	2	2	2
3	18	5	4	2	273	4	13	571	7	..	0	23	4	9	1	1	3
4	15	4	2	0	271	0	0	0	0	..	3	19	7	7	6	5	4
5	20	0	0	1	284	2	0	0	0	..	7	19	0	3	0	0	5
6	31	2	2	1	279	2	0	0	0	20	26	15	0	0	3	4	6
7	45	18	13	9	256	20	2	71	3	78	29	17	1	2	3	1	7
8	58	62	38	22	174	50	8	357	5	84	31	9	11	3	15	16	8
9	67	92	46	16	87	36	0	0	0	81	36	0	30	6	36	42	9
10	66	107	50	14	48	31	8	357	3	84	35	0	43	11	46	66	10
11	54	117	52	11	20	24	0	0	0	89	37	4	47	14	48	60	11
Noon	35	125	54	8	0	18	2	71	2	83	40	13	45	18	42	61	Noon
13h	17	127	55	10	1	22	0	0	0	85	39	13	44	18	41	62	13h
14	4	124	54	10	5	22	8	357	8	82	38	8	45	15	44	63	14
15	0	117	51	7	14	15	0	0	0	84	34	4	47	14	48	68	15
16	4	107	46	6	33	13	0	0	0	82	31	3	45	13	46	59	16
17	15	90	41	9	76	20	0	0	0	38	29	6	35	11	36	46	17
18	28	65	35	16	148	36	0	0	0	..	18	12	16	7	17	20	18
19	44	46	27	14	195	31	0	0	0	..	14	17	14	9	13	13	19
20	59	36	22	12	216	27	10	428	12	..	12	20	9	9	7	5	20
21	68	29	18	11	232	24	0	0	0	..	7	25	5	11	1	2	21
22	68	25	16	10	239	22	0	0	0	..	8	23	9	11	5	5	22
23	63	19	13	9	251	20	0	0	0	..	2	25	5	11	1	2	23
24	56	16	12	8	257	18	5	214	5	..	8	26	4	11	0	3	24
Means -	37·9	55·0	27·2	9·0	165·7	20·0	2·4	..	2·0	..	20·1	14·8	19·5	9·8	18·8	24·7	Means.
Number of Days employed.	30	30	30	30	30	30	30		30	30	30	30	30	30	30	30	Number of Days employed.

* Hours reckoned from *apparent* midnight.

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS in the YEAR 1906—*continued.*

(The results in each case are diminished by the smallest hourly value.)

May.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°)	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	44	10	5	2	220	4	90	176	32	..	12	27	2	8	2	1	Midnight
1h	35	8	4	1	223	2	56	110	45	..	8	27	0	7	0	0	1h
2	23	7	4	3	229	6	26	50	31	..	9	27	6	10	5	7	2
3	14	5	3	3	233	6	19	38	31	..	4	20	12	8	14	13	3
4	12	3	1	1	238	2	181	352	73	..	5	21	7	6	9	7	4
5	15	0	0	1	244	2	124	242	73	..	9	20	5	5	8	7	5
6	26	0	0	2	245	4	39	76	45	2	32	17	7	4	12	11	6
7	42	7	5	4	235	9	61	119	47	40	28	10	8	1	16	15	7
8	54	35	22	15	185	32	95	186	35	61	24	5	12	0	23	21	8
9	65	62	30	10	101	21	27	54	23	68	24	1	33	5	42	39	9
10	62	80	36	7	55	15	16	32	18	71	23	0	48	9	55	69	10
11	40	90	37	2	23	4	0	0	0	68	26	0	54	10	60	64	11
Noon	28	97	38	0	4	0	0	0	0	68	23	2	56	11	61	65	Noon
13h	10	98	38	0	0	0	3	6	8	73	25	4	57	12	61	65	13h
14	1	95	39	2	11	4	34	66	42	75	25	8	55	13	57	62	14
15	0	88	37	4	29	9	60	116	42	66	25	10	52	14	54	58	15
16	5	76	32	3	52	6	42	82	44	58	23	10	40	11	43	44	16
17	14	60	28	6	100	13	50	98	37	32	18	12	20	6	25	24	17
18	25	40	21	10	160	21	45	88	26	..	15	19	4	4	8	6	18
19	47	27	17	10	195	21	176	343	53	..	5	25	2	7	3	1	19
20	54	20	13	8	208	17	61	119	35	..	2	24	8	9	9	6	20
21	57	15	8	5	211	11	0	0	0	..	1	24	7	8	8	5	21
22	59	14	7	4	214	9	13	25	24	..	0	25	7	9	7	6	22
23	54	11	7	4	222	9	79	154	44	..	6	26	5	9	5	3	23
24	45	9	6	4	226	9	90	176	32	..	12	26	3	8	3	2	24
Means -	33·2	38·3	17·5	4·4	154·5	9·4	55·5	..	33·6	..	15·4	15·6	20·4	7·8	29·2	24·0	Means.
Number of Days employed.	31	31	31	31	31	31	31	31		31	31	31	31	31	31	31	Number of Days employed.

June.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (0·1°).	Temperature: Of Evaporation (0·1°).	Temperature: Of the Dew Point (0·1°)	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	50	14	12	12	247	22	13	51	22	..	20	23	4	6	5	5	Midnight
1h	43	12	10	9	243	16	0	0	0	..	15	20	6	5	8	11	1h
2	31	8	8	8	252	14	8	32	13	..	6	26	5	8	4	5	2
3	24	5	4	4	251	7	11	44	15	..	17	24	1	5	2	2	3
4	20	2	2	1	252	2	3	12	7	..	10	20	3	3	6	5	4
5	23	0	1	1	256	2	4	17	3	..	17	21	0	2	3	1	5
6	32	0	0	0	252	0	38	151	20	9	25	18	2	1	6	3	6
7	45	4	3	2	245	3	23	92	15	52	32	17	1	0	6	3	7
8	60	38	28	21	206	39	40	158	13	72	26	14	5	0	11	5	8
9	66	74	44	22	116	41	20	79	13	83	21	7	21	4	28	27	9
10	63	94	48	17	59	31	112	441	15	86	22	1	37	7	44	61	10
11	51	105	51	14	29	26	15	59	5	79	27	0	48	9	54	61	11
Noon	29	112	51	10	4	18	15	59	7	83	21	0	53	11	58	61	Noon
13h	8	114	52	10	0	18	2	7	3	81	28	0	55	11	60	66	13h
14	1	111	51	9	5	16	23	92	7	76	29	0	55	11	60	69	14
15	0	105	47	8	15	14	42	165	15	72	25	2	50	11	55	59	15
16	6	93	44	9	43	16	15	59	5	73	23	4	40	9	45	49	16
17	16	74	38	12	93	22	0	0	0	30	18	10	19	5	24	23	17
18	27	48	30	17	170	31	43	171	7	..	12	19	3	2	7	4	18
19	41	36	24	16	199	30	35	138	28	..	2	25	0	5	0	0	19
20	53	27	18	12	213	22	12	46	17	..	3	23	5	6	6	5	20
21	58	20	15	12	228	22	5	20	8	..	0	21	5	5	7	5	21
22	58	17	14	11	236	20	18	72	20	..	1	20	6	5	8	9	22
23	55	13	11	9	239	16	72	282	38	..	6	23	2	5	3	2	23
24	49	9	8	7	247	13	13	53	22	..	18	24	3	6	3	3	24
Means	36·4	45·4	24·6	10·1	164·0	18·4	23·3	..	12·7	..	17·0	14·5	17·2	5·7	20·5	21·8	Means.
Number of Days employed.	30	30	30	30	30	30	30	30		30	30	30	30	30	30	30	Number of Days employed.

* Hours reckoned from *apparent* midnight.

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS in the YEAR 1906—*continued.*

(The results in each case are diminished by the smallest hourly value.)

July.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (° 0·1).	Temperature: Of Evaporation (° 0·1).	Temperature: Of the Dew Point (° 0·1).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	51	9	4	1	185	2	39	53	34	..	0	22	0	3	0	0	Midnight
1h	45	6	3	0	191	0	39	53	40	..	0	22	1	3	1	0	1h
2	35	2	2	2	210	4	95	127	55	..	5	25	3	6	1	0	2
3	27	0	0	1	211	2	79	107	56	..	11	25	2	5	1	0	3
4	21	2	2	1	207	2	56	75	34	..	20	23	2	4	2	1	4
5	23	3	2	2	208	4	144	193	39	..	12	20	6	4	7	4	5
6	32	2	1	0	205	0	99	133	50	6	15	16	2	0	6	4	6
7	44	9	5	2	190	4	20	27	23	58	12	13	5	0	10	6	7
8	58	38	20	6	122	12	86	116	26	74	9	8	16	1	21	19	8
9	68	64	30	6	56	12	155	209	0	84	13	3	40	5	45	44	9
10	63	78	34	3	16	6	131	176	21	85	16	1	60	8	63	83	10
11	51	83	38	5	12	10	72	96	29	80	21	0	70	9	73	77	11
Noon	30	86	41	9	12	17	64	85	34	83	23	0	75	10	77	77	Noon
13h	13	88	40	7	2	14	31	42	26	83	23	1	75	10	77	81	13h
14	1	87	39	5	0	10	52	70	18	81	19	1	73	10	75	78	14
15	0	82	38	5	12	10	29	39	16	80	20	3	71	10	73	73	15
16	4	73	32	3	27	6	17	23	15	71	17	5	59	9	61	61	16
17	13	57	28	6	73	12	0	0	3	24	10	10	39	7	41	42	17
18	22	39	21	7	122	14	68	92	30	..	1	16	16	5	17	16	18
19	37	28	16	7	151	14	51	68	58	..	3	20	9	5	9	8	19
20	50	22	14	8	168	15	146	196	44	..	5	21	6	4	6	5	20
21	57	19	12	6	171	12	23	31	21	..	0	21	7	5	7	7	21
22	60	17	10	4	174	8	23	31	15	..	2	22	12	7	11	9	22
23	58	14	8	3	180	6	85	113	45	..	1	21	5	4	5	5	23
24	54	11	6	1	180	2	43	57	42	..	2	22	1	3	1	0	24
Means -	36·7	36·8	17·8	4·0	123·4	7·9	65·9	..	31·0	..	10·4	13·6	26·2	5·5	27·6	28·0	Means.
Number of Days employed.	28	31	31	31	31	31	31		31	31	31	31	31	31	31	31	Number of Days employed.

August.

Hour, Mauritius Civil Time.	Barometric Pressure (in. 0·001).	Temperature: Of the Air (° 0·1).	Temperature: Of Evaporation (° 0·1).	Temperature: Of the Dew Point (° 0·1).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. 0·001).	Rainfall: Mean (in. 0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. 0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	56	14	10	6	237	11	21	83	27	..	15	21	10	8	5	2	Midnight
1h	47	11	7	4	239	8	13	51	11	..	19	23	8	9	2	0	1h
2	36	7	5	3	245	6	37	146	24	..	6	23	7	8	1	0	2
3	29	5	4	3	250	6	15	57	18	..	0	21	7	7	2	5	3
4	25	4	2	1	249	2	34	134	39	..	7	19	8	6	4	3	4
5	28	0	0	0	256	0	27	108	26	..	14	18	9	6	6	7	5
6	39	0	0	0	259	0	47	184	34	14	21	18	5	4	3	8	6
7	52	12	7	3	230	6	68	266	42	64	12	16	0	0	0	1	7
8	65	53	30	13	150	24	24	95	26	70	11	11	13	4	13	14	8
9	77	74	41	18	108	33	19	76	10	78	18	2	35	8	36	38	9
10	74	90	46	13	63	24	16	64	8	74	23	0	44	10	45	59	10
11	59	102	47	8	23	15	3	13	8	81	24	1	47	11	47	62	11
Noon	38	107	47	5	6	9	42	165	18	82	21	3	50	13	48	65	Noon
13h	19	109	48	4	0	8	11	45	6	81	17	2	50	12	49	66	13h
14	3	110	48	6	3	11	0	0	0	84	19	2	51	13	49	70	14
15	0	105	46	5	11	9	31	121	15	67	18	4	49	13	47	65	15
16	5	94	42	5	33	9	48	191	15	67	15	4	46	12	44	61	16
17	13	77	38	9	80	17	13	51	10	39	4	10	37	12	34	44	17
18	25	55	30	13	142	24	5	19	13	..	13	11	21	7	20	21	18
19	42	40	22	9	173	17	2	7	8	..	10	18	17	10	12	9	19
20	58	31	18	8	193	15	26	102	16	..	12	21	12	9	7	11	20
21	66	26	16	7	206	13	45	178	32	..	14	23	12	11	5	10	21
22	66	23	15	9	218	17	34	133	39	..	17	25	11	12	3	7	22
23	63	19	13	9	229	17	29	114	26	..	14	23	11	10	5	3	23
24	58	15	10	7	235	13	18	70	19	..	15	20	11	8	6	4	24
Means -	41·7	47·3	23·7	6·7	153·5	12·6	25·1	..	19·6	..	14·4	13·6	22·8	8·9	19·7	25·4	Means.
Number of Days employed.	31	29	29	29	29	29	31		31	31	31	31	31	31	31	31	Number of Days employed.

* Hours reckoned from *apparent* midnight.

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS in the YEAR 1906—*continued.*

(*The results in each case are diminished by the smallest hourly value.*)

September.

Hour, Mauritius Civil Time.	Barometric Pressure (in. (0·001).	Temperature: Of the Air (°(0·1).	Temperature: Of Evaporation (°(0·1).	Temperature: Of the Dew Point (°(0·1).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. (0·001).	Rainfall: Mean (in. (0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. (0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant: Direction (1°).	Wind: Resultant: Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	70	12	3	0	235	0	3	14	3	..	10	11	5	3	6	6	Midnight
1h	56	7	1	0	249	0	3	11	8	..	10	9	3	1	5	5	1h
2	43	8	1	0	249	0	13	54	18	..	12	11	4	2	5	6	2
3	34	7	2	3	256	5	43	176	38	..	9	11	4	2	5	4	3
4	32	3	2	6	273	11	9	38	20	..	10	13	0	2	0	0	4
5	38	1	1	6	281	11	84	341	48	..	7	12	1	2	2	3	5
6	51	0	0	5	283	9	52	212	42	22	7	13	3	3	3	4	6
7	64	27	17	13	227	23	13	54	8	66	0	8	4	0	7	6	7
8	76	63	31	11	129	20	23	95	15	70	9	2	17	3	21	23	8
9	79	86	38	7	65	12	0	0	0	81	11	0	45	11	45	48	9
10	73	100	41	3	28	5	2	7	0	85	14	0	53	13	52	73	10
11	60	105	42	2	15	3	13	54	18	84	14	5	56	15	53	71	11
Noon	38	111	44	0	0	0	15	61	13	82	12	12	56	18	50	71	Noon
13h	21	110	46	5	12	9	75	304	33	80	8	15	53	19	46	73	13h
14	7	106	46	9	27	16	25	102	10	74	18	15	51	19	44	67	14
15	0	99	44	9	43	16	33	135	18	70	12	12	51	18	45	70	15
16	3	87	40	10	70	18	18	75	8	57	14	8	50	15	46	59	16
17	14	67	31	10	116	18	18	75	22	20	12	6	43	13	41	50	17
18	29	49	27	15	173	27	20	81	5	..	16	7	29	10	28	29	18
19	43	36	19	11	196	20	30	122	18	..	0	11	14	7	13	14	19
20	62	33	18	12	208	21	15	61	2	..	12	12	13	7	12	16	20
21	73	28	16	10	219	18	23	95	10	..	17	14	13	8	11	16	21
22	74	23	12	8	223	14	18	75	22	..	19	15	10	8	7	11	22
23	70	20	9	5	223	9	0	0	2	..	15	15	8	7	6	9	23
24	64	14	5	3	236	5	3	14	3	..	10	12	5	3	6	5	24
Means -	47·0	48·1	21·4	6·5	161·4	11·6	22·0	..	15·4	..	11·1	10·0	23·6	8·4	22·4	29·6	Means.
Number of Days employed.	25	29	29	29	29	29	30		30	30	30	30	30	30	30	30	Number of Days employed.

October.

Hour, Mauritius Civil Time.	Barometric Pressure (in. (0·001).	Temperature: Of the Air (°(0·1).	Temperature: Of Evaporation (°(0·1).	Temperature: Of the Dew Point (°(0·1).	Degree of Humidity (0·1 %).	Elastic Force of Vapour (in. (0·001).	Rainfall: Mean (in. (0·0001).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. (0·1).	Percentage of Possible Bright Sunshine* (1 %).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant: Direction (1°).	Wind: Resultant: Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	47	17	6	8	247	16	27	98	16	..	8	9	7	6	6	8	Midnight
1h	35	14	5	8	254	16	13	46	18	..	8	8	8	5	7	8	1h
2	21	11	4	8	266	16	5	18	8	..	9	7	3	3	3	4	2
3	16	7	2	8	274	16	20	73	21	..	8	5	5	2	5	5	3
4	20	4	2	9	289	18	74	265	47	..	9	8	0	3	0	0	4
5	27	0	0	9	301	18	157	566	56	..	7	9	1	4	0	3	5
6	43	9	4	10	280	20	72	259	32	26	8	6	6	3	6	6	6
7	55	41	22	17	207	36	27	99	24	64	0	4	18	4	18	15	7
8	65	71	31	11	117	22	44	157	21	68	1	4	45	9	44	43	8
9	66	86	34	6	68	12	35	128	19	69	3	8	59	13	57	60	9
10	60	99	36	1	30	2	13	46	13	78	6	15	64	16	61	76	10
11	47	109	39	1	11	2	27	99	13	80	3	23	66	20	63	76	11
Noon	30	114	41	0	0	0	32	116	15	72	5	24	66	21	63	75	Noon
13h	15	112	40	0	4	0	2	6	3	75	3	24	64	21	61	77	13h
14	4	109	39	1	9	2	3	12	3	68	9	22	60	20	57	73	14
15	0	102	36	0	22	0	0	0	0	71	7	16	56	17	53	74	15
16	4	92	32	0	45	0	5	18	10	67	6	12	50	14	48	68	16
17	14	75	29	5	92	10	19	69	16	43	8	8	39	11	37	51	17
18	30	57	24	10	148	20	8	29	15	..	8	5	24	6	23	31	18
19	46	43	19	10	184	20	15	52	10	..	9	4	14	3	14	14	19
20	61	34	14	9	203	18	2	6	6	..	7	1	14	1	15	14	20
21	66	29	11	8	215	16	8	29	6	..	3	0	16	1	17	15	21
22	67	24	9	7	227	14	10	35	13	..	1	0	15	0	16	16	22
23	62	20	7	7	238	14	48	174	29	..	1	4	12	3	12	13	23
24	47	16	5	7	249	14	27	99	16	..	8	8	7	5	6	9	24
Means -	37·9	51·8	19·6	6·4	159·2	12·9	27·7	..	17·2	..	5·8	9·4	28·8	8·4	27·7	33·4	Means.
Number of Days employed.	31	31	31	31	31	31	31		31	31	31	31	31	31	31	31	Number of Days employed.

* Hours reckoned from *apparent* midnight.

MONTHLY MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS in the Year 1906—*concluded.*

(*The results in each case are diminished by the smallest hourly value.*)

November.

Hour, Mauritius Civil Time.	Barometric Pressure (in. (0·001)).	Temperature: Of the Air (°(0·1)).	Temperature: Of Evaporation (°(0·1)).	Temperature: Of the Dew Point (°(0·1)).	Degree of Humidity (0·1 °c).	Elastic Force of Vapour (in. (0·001)).	Rainfall: Mean (in. (0·0001)).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. (0·1)).	Percentage of Possible Bright Sunshine* (1 °c).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	57	19	14	29	343	56	5	56	5	..	18	8	2	4	3	2	Midnight
1h	42	14	11	28	351	54	3	38	3	..	23	8	3	4	4	5	1h
2	32	9	8	26	362	50	0	0	0	..	27	8	2	4	3	5	2
3	26	5	6	25	370	48	7	82	13	..	28	4	4	0	6	8	3
4	29	1	1	21	368	40	10	111	18	..	19	5	5	2	7	8	4
5	34	0	0	20	367	38	10	111	8	..	11	4	6	1	8	9	5
6	52	22	14	26	326	50	1	11	5	61	0	5	6	2	8	9	6
7	61	66	33	28	218	54	30	334	5	80	4	1	20	2	22	23	7
8	65	94	38	18	129	34	47	519	5	87	10	0	43	6	45	49	8
9	65	112	39	9	78	17	13	149	10	86	9	8	54	12	54	58	9
10	57	125	42	6	47	12	0	0	0	85	11	26	57	22	56	72	10
11	50	136	46	5	26	10	0	0	0	82	12	41	57	30	57	69	11
Noon	34	143	46	2	8	4	0	0	0	89	9	41	57	30	57	70	Noon
13h	20	146	46	0	0	0	0	0	0	94	5	39	56	29	56	70	13h
14	5	143	46	2	7	4	0	0	0	91	7	35	54	27	54	74	14
15	0	132	44	4	33	8	0	0	0	80	7	29	50	23	49	65	15
16	3	117	41	8	67	15	0	0	0	75	10	19	45	18	44	58	16
17	14	99	38	16	116	30	0	0	0	58	11	6	39	9	40	51	17
18	33	77	33	21	174	40	0	0	0	6	15	6	28	8	29	37	18
19	48	59	29	26	231	50	3	38	3	..	9	9	12	7	13	15	19
20	63	45	26	30	275	58	3	38	3	..	8	11	5	7	5	4	20
21	72	37	23	32	300	62	70	778	5	..	5	11	2	7	2	0	21
22	77	31	21	32	318	62	3	38	5	..	11	10	3	6	4	5	22
23	69	25	17	30	329	58	10	111	8	..	12	12	0	7	0	2	23
24	53	20	15	30	343	58	5	56	5	..	17	10	0	5	1	0	24
Means -	42·4	67·1	27·1	19·0	207·4	36·5	8·8	..	4·0	..	11·9	14·2	24·4	10·9	25·1	30·7	Means.
Number of Days employed.	29	30	30	30	30	30	30		30	30	30	30	30	30	30	30	Number of Days employed.

December.

Hour, Mauritius Civil Time.	Barometric Pressure (in. (0·001)).	Temperature: Of the Air (°(0·1)).	Temperature: Of Evaporation (°(0·1)).	Temperature: Of the Dew Point (°(0·1)).	Degree of Humidity (0·1 °c).	Elastic Force of Vapour (in. (0·001)).	Rainfall: Mean (in. (0·0001)).	Rainfall: Percentage (1 %).	Rainfall: Duration (min. (0·1)).	Percentage of Possible Bright Sunshine* (1 °c).	Observed Amount of Cloud (Scale 0—100).	Wind: North Component (0·1 m.p.h.).	Wind: East Component (0·1 m.p.h.).	Wind: Resultant. Direction (1°).	Wind: Resultant. Velocity (0·1 m.p.h.).	Wind: Observed Velocity (0·1 m.p.h.).	Hour, Mauritius Civil Time.
Midnight	48	18	12	32	324	68	33	57	21	..	16	2	9	1	11	11	Midnight
1h	34	14	10	32	332	68	8	14	10	..	19	9	11	8	11	9	1h
2	24	9	6	28	337	59	0	0	0	..	20	14	9	12	8	8	2
3	20	4	3	26	346	55	0	0	0	..	24	16	9	14	8	7	3
4	18	1	1	25	350	53	21	36	32	..	29	16	4	14	3	2	4
5	27	0	0	24	353	51	38	65	48	2	25	14	6	12	5	5	5
6	44	16	9	28	316	59	34	58	18	58	15	12	0	9	0	0	6
7	51	50	27	35	245	75	31	53	21	79	19	9	12	8	12	13	7
8	53	78	31	23	151	48	95	164	29	79	25	9	35	11	35	39	8
9	53	97	34	18	97	35	61	106	27	81	22	12	49	13	48	51	9
10	51	116	36	9	45	19	34	58	18	84	22	19	73	17	56	76	10
11	42	126	37	4	19	8	3	6	5	80	24	24	59	20	58	56	11
Noon	30	132	38	2	7	4	0	0	0	83	25	26	59	21	58	63	Noon
13h	18	133	38	0	0	0	0	0	0	78	23	24	53	20	55	64	13h
14	7	127	37	3	14	6	85	147	27	80	25	21	56	19	51	66	14
15	0	118	36	6	38	12	71	122	34	76	24	15	41	15	47	52	15
16	0	108	33	8	57	16	45	77	19	75	23	8	43	11	43	60	16
17	7	91	29	11	98	23	119	205	27	57	20	4	37	8	37	47	17
18	23	71	25	17	153	35	23	39	15	18	13	1	33	5	31	37	18
19	38	54	22	23	206	48	68	117	19	..	9	1	17	3	20	17	19
20	54	44	20	27	243	57	29	50	26	..	7	0	8	0	14	5	20
21	63	36	18	30	269	64	85	147	34	..	0	0	10	0	13	7	21
22	70	29	16	31	289	66	242	417	24	..	9	1	11	1	13	9	22
23	64	24	15	32	310	68	271	467	23	..	15	5	11	4	12	10	23
24	50	20	13	33	322	70	33	57	21	..	18	0	10	0	12	11	24
Means -	35·6	60·6	21·8	20·3	196·8	42·7	57·2	..	19·9	..	18·8	10·5	26·6	9·8	26·4	29·0	Means.
Number of Days employed.	31	30	30	30	30	30	31		31	31	31	31	31	31	31	31	Number of Days employed.

* ar reckoned from *apparent* midnight.

MEAN DIURNAL INEQUALITY of the METEOROLOGICAL ELEMENTS for the YEAR 1906.

(Each result is the mean of twelve monthly mean values, the annual means for each element being diminished by the smallest hourly value.)

Hour, Mauritius Civil Time.	Barometric Pressure (in. (0·0001).	Temperature: Of the Air (°(0·01).	Temperature: Of Evaporation (°(0·01).	Temperature: Of the Dew Point. (°(0·01).	Degree of Humidity. (0·01 %).	Elastic Force of Vapour (in. (0·0001).	Rainfall: Mean (in. (0·00001)	Rainfall: Per centage (0·1 %).	Rainfall: Duration (min. (0·01).	Per centage of Possible Bright Sunshine* (0·1 %).	Observed Amount of Cloud (Scale 0—1000).	Wind: North Component (0·01 m.p.h.).	Wind: East Component (0·01 m.p.h.).	Wind: Resultant. Direction (°(0·1).	Wind: Resultant. Velocity (0·01 m.p.h.).	Wind: Observed Velocity (0·01 m.p.h.).	Hour Mauritius Civil Time.
Midnight	525	138	83	43	2419	94	111	240	83	..	58	82	0	27	22	2	Midnight
1h	408	106	64	29	2465	65	260	545	88	..	47	77	14	29	23	1	1h
2	291	76	48	24	2547	55	297	622	116	..	41	88	12	38	30	2	2
3	213	44	28	14	2595	30	188	396	123	..	41	76	10	26	21	2	3
4	195	21	13	4	2639	11	613	1239	210	..	63	68	2	16	13	0	4
5	245	0	0	0	2682	0	486	1024	216	24	68	66	6	16	13	2	5
6	371	42	26	12	2605	26	325	683	162	317	107	53	2	4	3	7	6
7	493	261	160	85	2201	204	307	645	126	653	104	27	42	0	0	50	7
8	594	579	307	114	1451	267	528	1118	102	737	121	0	198	37	29	228	8
9	648	806	375	81	815	188	407	856	31	776	140	1	361	78	57	409	9
10	613	957	410	41	400	106	283	594	16	797	160	33	450	113	77	540	10
11	498	1049	436	25	172	75	143	305	9	793	174	75	484	140	90	592	11
Noon	330	1108	451	13	31	51	0	0	0	789	163	108	491	159	98	616	Noon
13h	168	1121	454	13	0	51	265	560	11	791	165	114	478	160	98	627	13h
14	46	1097	448	18	51	58	409	868	51	754	180	104	455	152	95	616	14
15	0	1029	424	13	184	43	367	749	124	695	162	79	428	134	88	575	15
16	25	923	384	15	406	44	113	232	53	640	157	47	379	108	75	499	16
17	103	759	336	43	831	101	457	955	66	362	119	29	283	77	57	365	17
18	249	564	276	75	1377	163	177	352	46	88	104	39	153	49	38	185	18
19	411	408	218	79	1787	177	252	514	106	..	50	58	66	34	27	60	19
20	553	320	179	78	2015	172	125	261	80	..	25	62	48	30	24	35	20
21	633	258	149	69	2153	154	304	603	50	..	0	65	45	31	25	37	21
22	660	217	129	63	2252	140	251	517	96	..	21	67	51	35	28	39	22
23	617	178	109	55	2338	124	652	1346	141	..	33	79	23	34	27	23	23
24	540	138	85	43	2415	98	112	240	83	..	60	82	3	29	23	0	24
Means -	378	488	224	42	1553	100	297	..	88	..	95	63	179	62	43	220	Means.

NUMBER of HOURS of PREVALENCE of each WIND referred to DIFFERENT POINTS of AZIMUTH, as recorded by the BECKLEY ANEMOGRAPH.

1906.

Month.	North.	N.N.E.	N.E.	E.N.E.	East.	E.S.E.	S.E.	S.S.E.	South.	S.S.W.	S.W.	W.S.W.	West.	W.N.W.	N.W.	N.N.W.	Calm.
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs	hrs.	hrs.	hrs.	hrs.
January - -	8	23	16	68	264	226	71	46	5	0	1	3	0	3	0	10	0
February - -	36	40	29	133	202	103	10	0	13	14	2	0	1	21	45	21	2
March - -	40	91	63	62	152	127	86	22	16	4	31	8	4	12	7	19	0
April - - -	0	15	1	26	132	236	218	52	2	1	30	4	1	1	1	0	0
May - -	0	3	3	44	88	386	140	39	18	0	4	1	17	1	0	0	0
June - - -	11	9	5	17	80	297	140	98	43	0	0	6	0	0	0	14	0
July - -	0	0	0	4	121	482	122	14	1	0	0	0	0	0	0	0	0
August - -	21	0	2	39	99	285	175	50	20	8	8	7	3	0	9	18	0
September - -	2	4	18	41	93	369	86	22	50	7	4	10	2	1	5	6	0
October - -	24	26	10	76	189	308	43	0	2	0	1	0	2	21	10	32	0
November - -	8	2	14	178	249	214	19	0	1	6	0	1	11	6	3	8	0
December - -	18	19	28	142	197	187	88	7	4	3	3	11	11	3	1	22	0
Total -	168	232	189	830	1866	3220	1198	350	175	43	84	51	52	69	81	150	2

* Hours reckoned from *apparent* midnight.

DIRECTION of MOTION of the various Types of CLOUD as derived from Observations with the MARVIN NEPHOSCOPE, during the YEAR 1906.

The values represent the direction from which the clouds come; counting from South (0°), to East (90°), North (180°), West (270°).

Cirrus.

M.C.T.	Direction.
Jan.	
d h	°
9.10	297
9.13	311
18. 9	260
18.12	251
18.15	247
19. 9	256
19.16	252
25. 9	249
31.15	320
Feb.	
1.10	320
1.12	295
1.16	300
5.15	326
6.10	306
6.15	298
9.13	350
9.15	353
10. 9	226
12.13	246
12.15	240
14. 9	276
14.13	265
14.15	281
15.10	286
16.10	255
20. 9	330
22.15	348
25.12	234
26. 9	300
26.15	292
28.15	295
March	
1.10	264
2.10	290
12. 9	340
14. 9	246
15.15	195
19.13	266
19.15	203
20. 9	202
20.15	205
22.15	215
23.14	205
24.14	206
26.10	243
26.13	233
28. 9	270
29. 9	236
29.12	231
April	
5. 9	286
5.15	292

M.C.T.	Direction.
April	
d h	°
9.15	199
10. 9	190
10.15	187
20.12	276
21.14	250
23.12	211
23.15	236
24. 9	226
25. 9	256
26. 9	132
27.15	236
28. 9	230
30.15	206
May	
28.15	228
June	
11.10	298
12. 9	288
12.15	286
13.10	272
16. 9	206
Aug.	
17.15	240
Oct.	
5.15	246
6. 9	245
9.10	256
9.15	250
11.15	260
17. 8	300
17.15	290
24. 9	245
24.15	242
Nov.	
6. 9	240
6.15	240
7.15	252
16. 9	250
17. 9	235
24.14	286
28. 9	240
28.15	236
30.11	265
30.15	266
Dec.	
1.10	260
1.14	266
4.15	290
5.13	266
5.15	266

M.C.T.	Direction.
Dec.	
d h	°
8.11	266
8.14	256
10. 9	275
10.16	290
11.12	250
11.15	256
14. 9	245
14.15	226
19.10	242
19.26	254

Cirro-Stratus.

M.C.T.	Direction.
Feb.	
d h	°
7.13	35
7.15	26
March	
2.14	273
Oct.	
5.15	246
6. 9	245
9.10	256
9.15	250
11.15	260
17. 8	300
17·15	290
24. 9	245
24.15	242
Nov.	
6. 9	260
6·15	246
7.15	252
24.14	286
28. 9	240
28.15	236
30.15	266
Dec.	
1.10	260
5.13	266
5.15	266
8.14	256
10. 9	275
10.16	290
11.12	250
11.15	256

Cirro-Stratus.

M.C.T.	Direction.
Dec.	
d h	°
14. 9	245
14.15	226
19.10	242
19.16	254

Alto-Stratus.

M.C.T.	Direction.
March	
d h	°
20.15	340

Cirro-Cumulus.

M.C.T.	Direction.
Jan.	
d h	°
9.16	192
25.15	118
29. 9	189
29.16	192
31. 9	162
Feb.	
13.10	252
21. 9	356
21.15	336
23.15	192
24.14	178
27.15	215
March	
9.15	200
17.10	170
21. 9	286
22. 9	190
24. 9	236
April	
19.15	21
24.15	233
25.15	240
27. 9	230
28.14	216

Cirro-Cumulus.

M.C.T.	Direction.
May	
d h	°
4.11	216
4.15	220
9.10	260
21. 9	192
25.15	250
Sept.	
16.13	0
Oct.	
3.15	294
12.15	286
Nov.	
12. 9	120
12.15	136
16.15	226
28.15	236
Dec.	
1.12	256
4.13	72
5.15	206
6.15	266
24.14	136
28. 9	206

Alto-Cumulus.

M.C.T.	Direction.
Jan.	
d h	°
8.10	159
8.15	182
Feb.	
19. 9	186
23. 9	83
March	
5. 9	192
5.15	181
6.16	183
8.15	197
13.15	205
15.15	225
16. 9	326
17.14	175
23. 9	126

Alto-Cumulus.

M.C.T.	Direction.
April	
d h	°
18.12	286
28.14	216
30. 9	212
30.13	203
Ma	
1.10	206
2. 9	220
2.15	210
3. 9	206
3.13	223
3.15	216
5.10	212
8.15	302
15.15	326
16.15	306
22. 9	186
29.15	198
June	
1. 9	166
1.13	176
1.15	170
5.10	166
11.10	206
11.15	196
16. 9	126
26. 9	118
July	
16. 9	6
20. 9	146
30. 9	173
Aug.	
7.15	141
14.10	226
14.15	246
Sept.	
17.10	302
26. 9	101
27.10	108
27.13	105
27.15	111
28. 9	115
29. 9	125
29.14	123
Oct.	
1. 9	125
20.14	316
22.14	116
25. 9	100

M.C.T.	Direction.
Nov.	
d h	°
3. 9	110
5.15	126
12.15	136
14.15	146
Dec.	
21.15	236

Cumulo-Stratus.

M.C.T.	Direction.
Jan.	
d h	°
16.16	35
20.12	77
Feb.	
16.10	94
19.13	176
22. 9	78
March	
7.15	135
13. 9	22
13.12	30
13.15	38
15.13	49
15.15	41
20. 9	118
23. 9	100
April	
5. 9	78
9. 9	106
14. 9	28
19. 9	36
19.15	49
23. 9	120
23.12	101
27.15	34
30.13	81
May	
1.10	41
3.13	60
8. 9	96
8.12	81
10.15	296
12. 9	116
15.12	75
15.15	72
16.9	70
16.15	66
19. 9	64
25.13	85

Cumulo-Stratus.

M.C.T.	Direction.
May	
d h	°
25.15	80
30. 9	72
30.15	66
June	
2.12	76
5.10	70
5.15	68
6.15	72
8.10	74
8.15	70
9. 9	70
9.13	76
9.14	72
12.15	6
13.10	18
15. 9	48
15.15	54
16.14	70
18. 9	82
20. 9	22
20.12	28
20.15	30
22.15	38
23.10	54
26.13	16
27.13	216
27.15	281
28. 9	306
29.10	346
29.13	338
30.10	36
30.14	40
July	
2.10	56
2.15	50
3.10	64
3.15	72
5.10	60
8.12	81
13.15	114
16.15	64
17. 9	66
18. 9	12
18.15	18
19.10	22
19.15	30
21.13	66
23. 9	78
23.15	76
26.15	80
28. 9	70
28.12	72
Aug.	
1. 9	86
2. 9	97
4.14	26
6. 9	45
6.15	50
8.13	70

M.C.T.	Direction.
Aug.	
d h	°
8.15	70
9.13	70
11. 9	120
11.14	126
13. 9	96
17.13	23
17.15	26
18. 9	48
18.14	42
20. 9	68
21. 9	108
21.12	108
21.15	104
22.15	46
24.10	74
24.15	72
25.12	57
27. 9	67
28. 9	50
28.13	54
Sept.	
1. 9	67
1.13	64
3.10	83
3.13	80
3.15	74
6. 9	56
7.13	70
7.15	66
8. 9	56
10.10	67
10.15	75
12.15	68
14.15	106
15. 9	102
17.15	66
18.10	105
18.15	108
19.10	102
20.10	92
20.13	96
21.12	165
24.10	309
24.13	323
24.15	326
Oct.	
8. 9	115
10.15	316
13.14	16
16. 9	347
16.15	350
20. 9	85
22.10	83
25.15	82
26.15	64
31. 9	74
Nov.	
5. 9	95
6.15	336

M.C.T.	Direction.
Nov.	
d h	°
7. 9	75
12. 9	86
13.15	26
15.15	356
22.15	28
23.15	6
24.14	6
27. 9	115
27.15	100
Dec.	
13.10	78
14.16	22
15.14	342
20. 9	26
24.10	90

Cumulus.

M.C.T.	Direction.
Jan.	
d h	°
3. 9	5
3.15	352
5. 9	40
6.10	62
8.13	96
8.15	92
9.10	73
9.13	80
9.15	86
10. 9	61
10.13	48
10.16	40
11.10	61
11.12	88
11.15	70
12.10	76
12.15	80
14.12	71
15. 9	80
15.15	68
16. 9	75
17. 9	66
17.12	51
17.15	53
18. 9	65
18.12	76
18.15	74
19. 9	83
20. 9	90
20.14	86
23.10	76
23.12	61
23.15	54
24.10	77
24.13	84
24.15	92
25.15	70

DIRECTION of MOTION of the various Types of CLOUD—*concluded.*

Cumulus.

M.C.T.	Direction.
Feb.	
d h	°
1.12	211
5.10	80
5.15	113
6. 9	90
7.13	216
8.10	168
8.14	162
9.15	116
10. 9	92
10.12	98
10.14	100
13. 9	98
13.12	116
13.15	106
14. 9	102
14.13	111
14.15	96
19.15	170
20. 9	123
21. 9	96
22.15	87
23.15	80
24. 9	89
24.14	76
26. 9	86
26.15	88
27.15	186
28.15	180
March	
1.10	96
5.15	75
12. 9	26
14. 9	41
14.15	40
17.10	83
17.14	90
19.10	106
19.15	93
20.10	90
20.15	95
21. 9	90
22. 9	60
23.15	90
24. 9	110
24.14	130
28. 9	76
29. 9	76
29.12	86
April	
3.16	86
4.16	74
5. 9	70
5.13	66
6.10	66
6.15	60
7.13	46
9.15	41
10. 9	32
10.15	41
11. 9	346
11.12	331
12.11	336
12.13	323
12.15	310
14.14	33

M.C.T.	Direction.
April	
d h	°
17.12	64
18. 9	50
18.12	63
18.15	41
19.12	39
20.12	96
21. 9	66
21.12	64
21.14	70
23. 9	86
23.15	79
25. 9	88
25.15	70
26. 9	76
26.12	68
27. 9	78
28. 9	106
28.13	96
May	
2. 9	50
2.15	46
3. 9	46
4.11	64
4.15	56
5.10	66
7. 9	72
7.15	72
8.15	66
11.10	36
11.15	26
12. 9	116
13.12	85
14.12	111
14.15	106
17. 9	66
18.10	68
18.15	66
19. 9	64
21. 9	64
21.13	57
22. 9	74
22.15	80
23.10	83
23.15	78
25.15	54
26.10	80
26.14	72
29.10	46
29.12	46
29.15	48
June	
1.15	34
2.10	58
5.15	68
6. 9	74
6.15	72
7.10	76
9. 9	70
13.10	18
14.12	61
15.13	60
16. 9	68
18.15	86
19. 9	86
19.15	80
22. 9	36

M.C.T.	Direction.
June	
d h	°
22.12	31
25. 9	76
25.15	66
30.10	36
30.14	40
July	
4.10	88
5.15	70
6.10	70
7. 9	70
9.10	73
9.15	66
10. 9	68
10.15	72
11. 9	62
11.15	66
12.10	76
14. 9	78
14.16	76
16. 9	72
16.15	70
17. 9	86
17.15	84
19.10	22
19.15	30
23.15	76
24. 9	66
24.15	70
25.10	74
25.15	78
26. 9	86
26.15	80
27.10	72
27.12	70
28. 9	70
28.14	66
30. 9	72
31. 9	77
31.15	72
Aug.	
1. 9	86
1.15	82
2. 9	97
6. 9	45
7.15	73
8.10	77
8.15	68
9.10	62
9.15	65
10. 9	95
10.15	84
11. 9	90
11.14	96
13. 9	96
13.12	100
13.15	102
18. 9	48
18.14	42
19.12	81
20. 9	68
20.13	71
21. 9	66
21.12	66
21.15	68

M.C.T.	Direction.
Aug.	
d h	°
23. 9	62
23.15	56
24.15	80
25.10	46
27. 9	67
29. 9	40
29.15	46
30. 9	58
30.15	56
31. 9	67
Sept.	
2.12	71
3.10	83
4. 9	68
4.13	71
4.15	62
6. 9	56
7.10	76
8.14	62
10.10	67
11. 9	81
11.12	77
12.10	75
12.15	68
13.10	77
13.15	82
14.10	80
14.15	84
15. 9	68
16.12	93
18.10	77
18.15	80
19.10	77
19.13	81
19.15	84
20.10	104
25. 9	20
26. 9	58
26.12	66
27.15	86
28. 9	102
Oct.	
1. 9	105
2.10	85
2.15	92
3.10	95
3.15	97
4.10	84
4.13	91
4.15	88
5.15	120
6. 9	118
6.14	126
8.15	74
9.10	107
9.15	114
10. 9	116
11. 9	186
11.15	192
12.15	226
13. 9	96
13.14	110
16.15	56
17. 8	92

M.C.T.	Direction.
Oct.	
d h	°
17.15	72
19. 9	85
19.15	80
20.14	86
22.15	86
23.10	95
23.12	88
23.15	92
24. 9	85
24.15	80
25. 9	72
25.15	76
26. 9	88
26.15	88
27. 9	67
27.14	72
29. 9	70
29.15	73
30. 9	91
31. 9	74
31.15	67
Nov.	
3. 9	81
3.14	80
6. 9	75
6.15	76
7. 9	75
7.15	86
8. 9	86
8.12	86
8.15	76
10. 9	112
10.14	256
12. 9	70
12.15	64
13.10	100
13.15	106
14. 9	120
14.15	116
15. 9	97
15.15	126
16. 9	95
16.15	110
17. 9	110
17.14	110
19.11	93
19.16	89
20. 9	88
20.13	81
20.16	84
21.10	87
21.16	83
22.10	70
22.15	76
23. 9	76
23.15	84
24.10	63
26.15	50
27. 9	85
27.15	72
28. 9	88
28.15	100
29.10	125
29.15	130
30. 9	177

M.C.T.	Direction.
Dec.	
d h	°
1.10	145
1.14	156
3. 9	67
3.15	70
4.10	86
4.15	96
5. 9	93
5.15	96
6. 9	90
6.15	96
7. 9	90
7.15	96
8. 9	96
8.14	86
10. 9	85
10.15	94
11. 9	80
11.15	90
12. 9	65
12.16	66
13.10	62
13.16	60
14. 9	80
14.15	70
15. 9	100
15.14	126
17. 9	106
17.13	95
17.15	90
18. 9	106
18.16	206
19.10	206
19.16	350
21.13	76
21.16	80
22. 9	86
22.14	86
23.10	80
24. 9	76
24.14	36
26. 9	70
26.15	69
27. 8	58
27.16	64
29.15	190
31.10	93
31.15	83

Cumulo-Nimbus.

M.C.T.	Direction.
Jan.	
d h	°
4. 9	345
6.12	11
13.10	76
13.14	96
19.15	80
25. 9	82
26. 9	82

M.C.T.	Direction.
Jan.	
d h	°
26.15	95
27.10	96
29. 9	126
29.13	122
29.16	127
30.10	152
30.15	178
31. 9	175
31.13	182
31.15	190
Feb.	
1. 9	202
1.16	250
2.10	190
2.13	185
4.12	111
5.12	104
7. 9	213
7.15	226
9. 9	126
9.13	126
12.10	118
12.13	116
12.15	112
15.10	116
17.12	94
19. 9	146
20.12	143
21.15	93
27. 9	112
March	
2.10	160
2.14	156
2.16	169
4.12	116
5. 9	86
6.10	86
6.16	83
8. 9	182
8.16	150
9.10	176
9.14	165
16. 9	72
22.15	65
28.15	345
April	
2.10	76
2.15	81
3. 9	90
4. 9	96
7. 9	46
20. 9	76
20.16	81
24. 9	60
24.12	68
24.15	70
25.13	81

M.C.T.	Direction.
May	
d h	°
1.13	49
3.15	56
14. 9	126
15. 9	78
17. 9	66
17.12	76
17.15	70
19.12	73
19.14	76
22.15	80
25.10	94
June	
4.13	86
13.14	23
13.15	28
18. 9	96
23.10	68
23.12	66
23.14	64
26.13	16
July	
4.15	92
5.10	84
10.12	83
12.15	90
13.15	76
26.13	83
27.15	68
30.15	88
Aug.	
7.13	76
8.13	70
10.12	85
20.15	76
22. 9	102
22.15	100
27.15	82
31.15	58
Sept.	
2.11	76
5.10	64
6.15	54
8. 9	60
10.15	80
11.15	84
17.10	50
20.10	102
21. 9	132
21.12	175
27.10	83
28.13	97
29. 9	76
29.16	70
Oct.	
1.13	103
1.15	112
4.10	84

M.C.T.	Direction.
Oct.	
d h	°
5.10	126
8.15	74
13. 9	116
15. 9	19
16. 9	60
20. 9	85
22.10	102
30.15	72
Nov.	
5. 9	81
5.15	96
19. 9	92
Dec.	
6. 9	96
6.12	93
18. 9	106
24.14	36
28.10	68
29.12	186
30.10	102

Nimbus.

M.C.T.	Direction.
Jan.	
d h	°
1.12	15
27.12	95
27.14	98
Feb.	
2.16	20
March	
7. 9	116
7.15	135
10.11	196
13. 9	22
15. 9	56
April	
9. 9	34
15.12	89
16. 9	70
30. 9	72
30.12	68
30·15	66
31. 9	70
31.12	74
June	
8.10	74
8.15	70
9.14	72
15. 9	48
16.14	70

M.C.T.	Direction.
July	
d h	°
2.10	56
2.15	50
3.10	64
3.15	72
7. 9	70
9.10	73
10. 9	86
12.10	92
13. 9	74
20.15	78
21.13	66
23. 9	78
24.15	70
25.15	78
26. 9	86
28. 9	78
Aug.	
4.14	26
17. 9	16
21.15	104
23.10	72
31. 9	67
Sept.	
1. 9	67
1.13	64
10.10	76
17.15	66
28.15	92
Oct.	
1. 9	105
2.10	85
2.15	92
3.15	97
6.14	136
10. 9	16
15. 9	19
19. 9	92
19.15	92
22.15	86
26. 9	88
27.14	82
Nov.	
8. 9	100
15. 9	135
Dec.	
15.14	342
20.15	50
27. 9	80
27.16	84
28.15	60
30.12	102

ABSTRACT of the PRINCIPAL CHANGES in the DIRECTION of the WIND, as derived from the RECORDS of the BECKLEY ANEMOGRAPH in the YEAR 1906.

Mauritius Civil Time. From	Mauritius Civil Time. To	Change of Direction. From	Change of Direction. To	Amount of Motion. Direct. (points.)	Amount of Motion. Retrograde. (points.)
January.					
d h	d h				
4. 9	4.17	S.	S.E.	28	
5. 8	5.12½	S.E.	W.N.W.	14	
5.16	5.16½	W.N.W.	S.E.	18	
31.12½	31.17	N.N.E.	N.N.W.		4
February.					
3.13		N.W.	E.	12	
4.13	4.17	E.	N.N.E.		6
5.11	5.12	N.N.E.	E.S.E.	8	
6.13½	6.19	E.S.E.	S.S.W.		26
7.9		S.S.W.	N.N.W.	12	
7.11	7.13	N.N.W.	W.N.W.		4
8. 8	8.21	W.N.W.	E.	14	
9. 2½	9. 4	E.	E.N.E.		2
9.15	9.21	E.N.E.	E.S.E.	4	
18. 8½	18. 9½	E.	N.N.E.		6
18.15	18.23	N.N.E.	E.	6	
19. 9½	19.10½	E.	N.N.E.		6
19.15	20. 1	N.N.E.	E.	6	
20.8		E.	E.N.E.		2
20.16	21. 8	E.N.E.	E.		30
27. 8	27.14	E.	N.		8
28.21	28.21½	N.	E.N.E.	6	
March.					
2. 7½	2. 8½	E.N.E.	N.N.E.		4
3. 9	3.13	N.N.E.	N.N.W.		4
4. 5½		N.N.W.	E.	10	
10. 8½		N.N.E.	N.W.		6
10.12		N.W.	N.N.E.	6	
11.13		N.N.E.	S.E.	10	
11.15	11.15½	S.E.	N.N.E.		10
12.11	12.12	N.N.E.	W.S.W.		12
12.12½	12.17½	W.S.W.	S.E.	22	
18.11½	18.12½	E.S.E.	N.E.		6
18.12½	18.13½	N.E.	S.W.	16	
18.14	18.19½	S.W.	E.S.E.		10
21.13½		E.N.E.	S.W.	14	
21.15	21.17	S.W.	N.E.		16
22. 8	22. 8½	N.E.	E.S.E.	6	
24. 9	24.14	E.S.E.	N.N.E.		8
24.15½	25. 0½	N.N.E.	E.S.E.	8	
25.11	25.12½	E.S.E.	W.S.W.		20
26.10½	26.11½	W.S.W.	N.W.	6	
26.13	27. 8	N.W.	E.S.E.		18
27. 8	27.10	E.S.E.	W.S.W.	12	
27.10½	27.11	W.S.W.	N.W.	6	
27.16	28. 1½	N.W.	E.S.E.	14	
28.11	28.12½	E.S.E.	W.	14	
28.14½	28.20	W.	S.		8
29. 8	29. 8½	S.	E.S.E.		6
30.10½	30.18	E.S.E.	S.E.	34	
31. 8½	31. 9	S.E.	S.S.E.	2	
31.14½		S.S.E.	N.N.E.		12
31.15½		N.N.E.	S.E.	10	
April.					
d h	d h				
11. 7	11. 8½	S.E.	W.S.W.	10	
12.18	12.18½	W.S.W.	S.S.E.		8
13.10	13.10½	S.S.E.	W.	10	
13.13½	13.15	W.	S.S.E.	22	
27.10½	27.12	S.E.	E.		4
28.11	28.11½	E.	N.N.E.		6
29. 2½	29. 5½	N.N.E.	S.S.E.	12	
May.					
9. 6	9. 7	E.	S.S.W.	10	
9. 7¼	9. 8½	S.S.W.	S.S.E.		4
9.11	9.12	S.S.E.	W.	10	
10. 6½	10.18½	W.	S.E.		12
10.19½	11. 3½	S.E.	S.	4	
11. 9	11.16	S.	S.E.		4
14. 8½	14.10	S.E.	E.N.E.		6
14.19	15. 4	E.N.E.	S.E.	6	
25.1½		S.E.	N.E.		8
25. 2½	25. 3	N.E.	S.E.	8	
27.10½		E.S.E.	N.N.E.		8
27.11½	27.15	N.N.E.	E.	6	
28.11½		E.	S.E.	4	
28.12½	28.13½	S.E.	N.		12
28.13½	28.16½	N.	S.	16	
29. 1	29. 3	S.	S.E.		4
June.					
9.18½		S.E.	E.		4
10.12	10.18	E.	N.N.E.		6
11.14½		N.N.E.	N.N.W.		4
12. 5		N.N.W.	S.S.E.		16
22. 5		S.S.E.	E.		6
22. 9		E.	S.S.E.	6	
26.11	26.11¼	E.S.E.	W.N.W.	16	
26.11½	26.14	W.N.W.	E.S.E.		16
26.15½		E.S.E.	S.	6	
27.11		S.	S.E.		4
27.12	27.12½	S.E.	S.W.	8	
27.12½	27.14½	S.W.	S.E.		8
28.10	28.11	S.E.	W.S.W.		22
28.15½		W.S.W.	S.		6
30.11	30.13½	S.	S.E.		4
August.					
2.11	2.15½	E.S.E.	E.N.E.		36
3.11	3.14½	E.N.E.	N.W.		10
3.23½		N.W.	S.S.E.		14
4. 1½	4. 2	S.S.E.	S.S.W.	4	
4.14	4.18	S.S.W.	S.S.E.		36
7. 6½		S.S.E.	E.		6
14. 5½	14.10½	E.N.E.	W.S.W.		16
14.17	14.17½	W.S.W.	S.S.E.		8
15. 9½	15.16	S.S.E.	N.	18	
16. 8		N.	S.	16	
16. 8½	16.12	S.	N.N.W.		18
16.23½	17. 0	N.N.W.	E.S.E.	12	
17. 7	17. 8	E.S.E.	S.	6	
September.					
d h	d h				
20.10	20.11	E.S.E.	E.N.E.		4
21.10½	21.13½	E.N.E.	N.N.W.		8
21.23	21.23½	N.N.W.	S.S.W.		12
22. 8	22. 9	S.S.W.	W.N.W.	8	
22.10	22.11½	W.N.W.	N.E.		22
22.12½	23. 2	N.E.	S.	12	
23. 9	23.13	S.	W.S.W.	6	
23.16½	23.17	W.S.W.	S.		6
24. 9	24.11	S.	W.S.W.	6	
24.15½	24.17	W.S.W.	E.N.E.		16
24.17½		E.N.E.	S.	10	
25. 8	25.13½	S.	N.E.	20	
26. 9		N.E.	S.E.	8	
October.					
6. 8	6.15	E.N.E.	N.N.E.		4
7.10½		N.N.E.	N.		2
7.12½		N.	S.E.	12	
8. 9	8.10	S.E.	E.		4
8.11	8.15½	E.	S.E.	4	
8.23	9.10	S.E.	E.N.E.		6
10.10½	10.14½	E.N.E.	N.		6
11. 8	11.17	N.	W.N.W.		6
12. 9	12.10	W.N.W.	S.S.W.		8
12.10½	12.12½	S.S.W.	N.	14	
12.13½	12.14½	N.	N.W.		4
12.19½	12.21	N.W.	E.S.E.	14	
13. 8½		E.S.E.	E.N.E.		4
13.19		E.N.E.	E.	2	
14. 7½	14.12½	E.	N.N.W.		10
15.12½		N.N.W.	W.N.W.		4
15.16½	16. 1½	W.N.W.	S.E.	18	
November.					
10. 9	10.16	E.N.E.	W.		14
11. 3½		W.	S.S.W.		6
11. 9½		S.S.W.	W.N.W.	8	
11.16½		W.N.W.	E.N.E.	12	
12. 0½	12. 2	E.N.E.	S.E.	6	
30. 9	30.12	E.N.E.	N.N.W.		8
December.					
1. 8	1. 9	N.N.W.	E.N.E.	8	
1.10½	1.15	E.N.E.	W.		14
2. 1	2. 8½	W.	E.S.E.		14
2.12½	2.13¼	E.S.E.	W.S.W.	14	
2.13½	2.17½	W.S.W.	S.E.		10
18. 8	18.15	E.	N.N.W.		10
19.11	20.11	N.N.W.	S.E.		18
28.15½	28.16½	E.S.E	S.E.	2	
28.19	29. 6	S.E.	N.N.E.		10
29.11	29.12½	N.N.E.	N.		2
29.13	30. 3	N.	E.	8	

ACTINOMETRIC OBSERVATIONS made at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1906.

Mauritius Civil Time, 1906.				Observed Value of log $P\rho^2$	Observed Value of $\beta\delta$	Computed Value of x.	Aspect of Sky.	Relative Humidity.
	d	h	m					%
January	5	8	30	0·9288	1·539	0·834	1	61·3
	5	12	19	0·9603	0·994	0·813	2	61·4
	15	12	14	0·9848	0·993	0·860	1	48·3
	16	12	31	0·9854	0·993	0·861	1	54·1
	16	15	17	0·9552	1·391	0·855	1	49·6
	23	12	2	0·9691	0·994	0·830	1	56·1
	23	15	16	0·9572	1·364	0·855	1	51·9
February	5	8	44	0·9278	1·548	0·834	1	70·0
	7	12	8	0·9740	0·993	0·839	1	65·5
	13	12	7	0·9817	1·001	0·855	1	53·5
	13	15	37	0·9395	1·504	0·845	1	57·7
	26	8	45	0·9075	1·582	0·813	3	73·4
	26	12	19	0·9775	1·008	0·848	2	68·1
March	19	8	45	0·9181	1·672	0·834	2	74·5
	19	12	22	0·9714	1·052	0·842	2	67·9
	26	8	34	0·8936	1·793	0·818	2	84·1
	27	8	42	0·9299	1·720	0·852	2	80·4
	30	8	38	0·9224	1·783	0·848	1	73·1
	30	12	39	0·9769	1·092	0·858	1	66·8
	31	8	35	0·9185	1·802	0·846	1	69·0
	31	12	12	0·9688	1·084	0·842	1	52·9
April	3	12	11	0·9676	1·095	0·841	2	64·7
	3	15	26	0·9187	1·751	0·842	2	69·6
	6	8	40	0·9067	1·797	0·835	2	72·3
	6	12	29	0·9571	1·112	0·825	2	71·4
	12	12	11	0·9681	1·128	0·847	2	59·2
	12	15	32	0·9204	1·914	0·856	2	64·1
	17	8	35	0·9248	1·928	0·861	2	60·1
	17	12	8	0·9636	1·153	0·842	2	47·4
	26	12	9	0·9751	1·192	0·866	1	49·7
	27	8	34	0·9169	2·009	0·859	1	71·0
May	9	9	23	0·9514	1·649	0·871	1	66·0
	9	11	53	0·9783	1·245	0·876	1	50·2
	11	8	18	0·8798	2·404	0·850	2	72·1
	12	12	29	0·9834	1·285	0·888	1	47·4
	18	11	45	0·9487	1·298	0·836	2	53·5
	19	9	23	0·9225	1·726	0·844	2	50·7
	21	8	23	0·8770	2·437	0·834	2	71·4
	23	8	24	0·8448	2·423	0·823	3	71·4
	23	11	47	0·9575	1·312	0·851	2	58·2
	26	9	21	0·9183	1·781	0·844	2	67·4
	28	8	23	0·8768	2·514	0·854	1	84·0
	28	12	21	0·9487	1·336	0·840	1	59·6
	29	9	12	0·8973	1·873	0·829	1	65·7
	29	11	47	0·9384	1·334	0·825	2	61·0
June	5	9	20	0·8986	1·858	0·829	3	76·0
	7	11	54	0·9632	1·356	0·863	1	57·6
	7	14	31	0·9386	1·812	0·868	1	60·9
	8	11	54	0·9677	1·359	0·870	1	57·7
	21	8	30	0·8744	2·575	0·855	4	53·2
	21	12	10	0·9741	1·373	0·881	3	48·7
	22	9	22	0·9466	1·898	0·882	1	57·1
	25	12	30	0·9468	1·387	0·843	3	55·8
	25	14	50	0·9130	1·977	0·853	2	56·4
	26	12	16	0·9627	1·398	0·866	2	54·3
	27	8	27	0·8782	2·672	0·863	1	76·2
	29	8	28	0·9009	2·653	0·879	1	80·8
	30	9	21	0·9413	1·901	0·877	1	61·9
July	11	8	20	0·8123	2·797	0·822	3	74·6
	11	12	13	0·9563	1·346	0·852	2	62·7
	12	8	35	0·8358	2·471	0·819	2	75·6
	12	12	23	0·9458	1·353	0·838	2	70·8
	19	14	47	0·9439	1·824	0·875	2	55·6
	24	8	27	0·8384	2·560	0·827	2	69·1
	31	8	18	0·8344	2·665	0·830	2	74·2
	31	12	6	0·9514	1·278	0·838	1	58·9
August	2	8	30	0·8566	2·381	0·830	2	80·0
	3	12	10	0·9715	1·259	0·867	1	63·6
	3	14	46	0·9414	1·706	0·864	1	62·0
	13	11	57	0·9654	1·216	0·852	1	63·0
	28	11	49	0·9700	1·161	0·854	1	52·5
	28	14	51	0·9431	1·606	0·858	2	54·8
	29	8	18	0·8868	2·159	0·840	2	58·0
	29	12	10	0·9630	1·210	0·848	1	54·3
	30	12	3	0·9719	1·150	0·856	1	52·0
	30	14	42	0·9570	1·534	0·870	1	54·8
September	4	12	25	0·9898	1·138	0·878	1	56·8
	12	11	53	0·9831	1·102	0·870	1	54·0
	13	8	23	0·8732	1·890	0·806	3	60·8
	20	8	18	0·8511	1·838	0·780	2	74·0
	24	12	8	0·9820	1·063	0·867	1	47·6
	25	8	17	0·9053	1·785	0·830	1	63·3
	26	12	14	0·9888	1·062	0·876	1	49·0
	26	14	52	0·9533	1·490	0·862	1	48·9
October	10	11	48	0·9767	1·026	0·849	1	55·1
	11	11	52	0·9957	1·022	0·885	1	60·2
	11	13	13	0·9909	1·093	0·883	1	59·4
	19	11	54	0·9919	1·142	0·890	1	50·6
	19	14	46	0·9685	1·206	0·856	1	55·1
	20	12	25	0·9769	1·182	0·868	1	52·9
	23	8	12	0·9471	1·612	0·864	1	45·6
	24	12	15	1·0024	1·017	0·898	1	51·8
	24	8	50	0·9598	1·412	0·864	2	55·1
	25	8	15	0·9257	1·566	0·833	1	63·2
November	8	12	30	0·9685	1·018	0·832	1	47·3
	8	15	13	0·9382	1·540	0·846	1	45·8
	10	11	54	0·9754	0·998	0·842	1	50·3
	10	14	14	0·9718	1·221	0·863	2	54·2
	13	9	32	0·9670	1·171	0·850	1	55·0
	13	11	50	0·9911	0·998	0·873	1	51·2
	16	13	14	0·9966	1·065	0·891	1	48·6
	17	9	55	0·9705	1·110	0·848	1	46·9
	17	12	7	1·0003	1·001	0·893	1	44·8
	20	11	49	0·9863	0·995	0·864	1	46·4
	20	15	22	0·9470	1·563	0·860	2	54·0
	21	11	11	0·9755	0·996	0·842	1	51·0
	21	15	17	0·9492	1·534	0·860	2	50·5
	23	13	21	0·9770	1·075	0·856	2	45·3
	24	8	32	0·9425	1·423	0·841	2	52·5
	24	12	17	1·0189	1·002	0·932	1	45·0
	26	8	35	0·9426	1·405	0·839	2	48·1
	26	11	53	0·9711	0·997	0·834	2	43·5
December	5	12	20	1·0033	1·008	0·899	2	48·3
	7	11	50	0·9786	0·996	0·848	1	54·4
	7	15	23	0·9411	1·517	0·848	2	56·8
	8	11	52	0·9771	0·995	0·845	2	50·8
	13	12	15	0·9957	1·002	0·883	1	44·4
	13	15	15	0·9352	1·449	0·834	1	47·7
	14	12	27	0·9866	1·005	0·865	2	48·6
	15	8	51	0·9306	1·395	0·821	2	53·9
	17	12	15	0·9907	0·999	0·873	1	43·9
	17	15	31	0·9521	1·540	0·864	1	54·5
	18	15	26	0·9650	1·494	0·878	1	46·6
	19	12	19	0·9982	0·998	0·888	2	48·5
	19	15	23	0·9477	1·473	0·853	2	53·6
	26	12	47	1·0111	1·016	0·916	2	43·2

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1906.

Reference Number of Station.	January.		February.		March.		April.		May.		June.		July.		August.	
	Total Rainfall.	No. of Days	Total Rainfall.	No of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.
	ins.		ins.		ins.		ins.		ins.		ins.		ins.		ins.	
1	2·60	5	5·58	8	..	..	..	..	..	..	..	..	..	..	..	..
2	2·00	3	6·08	9	9·76	11	0·00	0	3·06	10	2·11	5	5·36	8	1·59	4
3	8·85	4	4·93	11	9·15	13	0·00	0	3·20	8	3·57	10	9·03	9	2·96	9
4	5·25	6	3·17	11	5·32	14	0·00	0	1·93	14	3·35	13	5·90	12	1·35	7
5	2·81	5	4·85	14	5·90	17	0·00	0	3·46	15	1·46	14	4·97	12	1·35	10
6	4·40	16	5·75	18	8·79	22	0·68	13	8·17	23	3·34	23	7·71	25	2·19	18
7	3·37	9	5·60	13	8·49	10	0·15	1	4·59	12	2·57	14	6·13	13	2·18	11
8	3·36	6	6·73	10	10·80	10	0·10	2	3·95	13	2·09	11	7·38	19	1·55	9
9	5·55	6	9·13	11	8·82	12	0·40	1	6·79	14	4·45	13	10·16	17	4·84	6
10	5·75	10	5·12	18	9·88	17	0·37	6	5·32	17	3·67	15	7·30	18	1·96	11
11	7·75	8	12·15	18	11·70	18	0·20	3	8·00	17	5·15	15	11·47	20	2·95	13
12	7·05	10	8·52	13	10·98	16	0·53	5	9·32	15	3·10	12	9·36	18	2·47	8
13	5·92	14	7·43	14	10·18	16	1·07	8	10·68	15	3·91	14	10·76	23	3·37	16
14	2·80	4	4·17	11	11·56	12	0·00	0	3·85	9	2·17	5	4·85	..	1·70	..
15	3·42	13	5·04	23	11·08	19	0·16	4	3·92	20	1·80	17	5·53	26	1·84	17
16	4·32	15	5·25	23	10·03	23	0·19	4	4·50	17	2·50	17	5·99	24	2·17	15
17	6·35	7	8·52	18	11·42	17	0·55	3	7·76	14	3·14	11	9·65	21	2·93	13
18	6·68	9	9·52	18	12·14	17	0·30	1	9·54	12	3·70	9	9·92	18	2·61	8
19	2·33	5	3·12	9	9·73	13	0·04	1	2·20	5	0·91	4	0·97	1	0·37	3
20	4·68	6	6·99	12	11·21	17	0·68	5	12·37	18	3·79	11	12·66	17	2·02	8
21	3·80	9	5·25	11	10·90	8	0·00	0	15·01	16	3·62	15	13·98	14	2·05	12
22	3·38	9	11·42	16	10·97	20	1·34	6	12·87	17	5·00	17	11·85	17	3·51	11
23	2·21	16	7·89	17	6·94	22	1·44	12	12·99	18	2·63	21	5·16	20	1·72	20
24	10·42	10	10·14	13	21·68	18	4·83	7	28·84	19	7·04	20	24·27	22	6·94	10
25	4·79	16	6·03	15	14·46	20	3·09	11	15·10	17	5·92	18	11·71	24	3·72	19
26	6·23	17	7·88	15	15·30	19	3·55	11	19·05	9	6·59	16	20·77	16	4·03	10
27	..	..	..	..	..	..	0·96	6	10·88	13	3·34	13	7·71	8	1·69	9
28	9·06	12	7·72	19	18·78	26	2·54	16	20·99	19	8·03	22	18·15	12	4·51	6
29	5·35	12	4·99	19	17·84	27	1·18	15	3·60	20	2·49	21	4·17	30	2·44	26
30	5·55	11	5·30	17	19·48	27	0·47	6	2·87	11	2·63	14	3·87	21	2·34	16
31	7·93	11	6·34	11	18·58	21	0·71	4	..	..	..	..	..	..	..	..
32	5·31	5	4·67	16	17·28	22	0·37	2	3·75	7	2·53	10	4·75	17	3·06	14
33	10·73	19	8·85	24	16·47	25	1·77	15	14·76	24	6·00	22	14·27	31	5·08	23
34	4·60	12	6·37	16	18·81	25	0·63	8	3·37	21	1·89	21	4·03	24	2·18	18
35	5·14	13	5·14	13	15·26	20	0·50	4	3·58	11	1·28	14	2·91	19	1·44	17
36	5·62	13	5·72	14	16·39	21	0·51	5	4·47	14	1·10	14	3·16	19	1·73	15
37	4·02	8	4·27	14	15·28	20	0·15	2	3·27	8	1·72	9	2·51	15	2·41	18
38	3·04	6	4·18	7	15·99	22	0·16	3	3·24	10	1·32	8	3·43	10	2·69	13

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1906—*continued.*

Reference Number of Station.	September.		October.		November.		December.		Total Rainfall in 1906.		Average Annual Rainfall.		Number of Years Employed		Greatest Daily Rainfall in the Year 1906.	
	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Amount.	Number of Rainy Days.	Amount.	Number of Rainy Days.	For Rainfall.	For Rainy Days.	Amount.	Day.
	ins.		ins.		ins.		ins.		ins.		ins.				ins.	
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2·50	Feb. 21
2	1·02	5	0·44	2	0·00	0	3·65	8	35·07	65	39·47	82	4	3	4·15	March 7
3	2·43	8	4·09	6	0·25	1	6·70	6	55·16	85	59·30	119	11	9	6·12	July 21
4	1·52	11	2·75	11	0·00	0	4·49	7	35·03	106	51·13	117	20	18	4·10	July 21
5	1·42	11	1·99	8	0·19	3	3·54	9	31·94	118	48·15	127	38	5	3·32	July 21
6	3·57	21	4·60	24	0·48	11	5·63	13	55·31	227	66·13	220	3	3	3·98	July 21
7	2·88	16	2·07	12	0·32	3	5·08	11	43·43	125	49·11	137	14	14	3·90	March 7
8	2·02	12	2·30	10	0·16	2	7·54	7	47·98	111	61·40	133	44	45	5·74	Dec. 28
9	2·42	9	3·85	11	0·96	5	5·94	4	63·31	109	66·82	108	6	6	5·69	July 22
10	1·89	10	3·53	14	0·45	6	5·40	10	50·64	152	74·91	152	26	6	4·35	July 22
11	3·45	13	4·60	18	1·00	10	7·55	11	75·97	164	77·16	152	6	6	6·90	July 22
12	2·99	13	2·51	9	0·07	1	3·90	3	60·80	123	68·13	161	16	14	5·05	July 21
13	2·91	19	3·92	18	1·13	10	5·02	9	66·30	176	73·74	165	24	24	4·30	March 7
14	1·64	..	1·08	..	0·22	..	3·23	..	37·27	..	49·20	110	21	18	3·06	March 6
15	1·72	18	2·01	19	0·62	11	4·52	14	41·66	201	48·06	200	32	32	2·83	Dec. 28
16	1·74	14	2·09	18	0·53	6	4·55	10	43·86	186	62·04	172	39	39	3·50	Dec. 29
17	3·37	16	4·00	22	0·35	3	5·72	8	63·76	153	71·91	155	26	25	4·20	July 21
18	3·16	14	4·32	16	0·42	2	6·07	8	68·38	132	78·72	132	14	14	4·20	July 21
19	0·00	0	0·64	5	0·29	2	2·47	3	23·07	51	38·19	69	11	11	2·78	March 8
20	3·76	15	3·33	13	1·03	7	8·41	8	70·93	137	82·89	137	5	1	8·13	July 21
21	2·65	12	3·30	10	0·75	3	7·66	9	68·97	119	65·27	148	21	11	6·75	July 22
22	2·76	11	2·09	11	0·66	7	6·50	9	72·35	151	73·52	178	21	..	8·21	July 22
23	2·54	24	2·70	16	1·46	9	5·65	16	53·33	211	53·24	142	17	6	3·90	May 15
24	7·54	13	6·55	13	2·04	5	9·51	11	139·80	161	132·34	193	23	19	11·50	July 21
25	1·34	10	5·01	16	1·23	5	8·69	14	81·09	185	72·14	181	10	10	5·98	July 22
26	1·97	11	4·87	12	1·31	12	8·82	12	100·37	160	103·25	195	25	22	12·00	July 22
27	2·40	13	2·97	12	0·26	3	5·96	7	..	..	..	..	..	..	5·17	July 21
28	6·67	19	4·71	17	1·94	10	13·44	9	116·54	187	149·40	193	2	2	11·00	July 21
29	1·92	23	2·29	27	0·50	12	7·18	19	53·95	251	61·26	231	7	7	4·42	Dec. 29
30	1·10	8	2·01	11	0·58	7	8·75	18	54·95	167	67·10	249	20	20	4·60	Dec. 29
31	..	..	..	..	..	..	..	..	..	..	80·66	191	31	31	3·90	March 7
32	1·88	11	5·28	23	0·30	2	6·16	6	55·34	135	66·00	159	23	23	3·50	Dec. 29
33	5·09	21	4·90	25	2·73	12	11·14	20	101·79	261	126·05	253	34	31	5·97	July 21
34	1·43	18	2·23	19	0·30	8	5·25	17	51·09	207	58·38	188	20	19	3·56	March 7
35	1·28	15	1·83	13	0·40	5	6·10	13	44·86	157	50·49	165	10	10	4·30	Dec. 29
36	1·32	14	1·61	9	0·47	5	6·30	13	48·40	156	50·68	144	10	10	4·08	Dec. 28
37	2·03	18	1·46	8	0·04	1	6·16	6	43·32	127	63·19	181	40	38	4·95	Dec. 29
38	1·83	..	1·37	..	0·04	..	6·10	..	43·39	..	56·62	135	9	8	3·50	March 22

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1906—*continued.*

Reference Number of Station.	January.		February.		March.		April.		May.		June.		July.		August.	
	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.
	ins.		ins.		ins.		ins.		ins.		ins.		ins.		ins.	
39	7·02	17	6·82	20	13·81	26	0·74	11	5·94	19	4·17	17	7·28	24	3·38	22
40	10·01	23	6·21	28	19·27	30	1·48	23	8·37	26	4·50	28	8·13	31	4·55	29
41	10·44	16	6·63	20	14·82	24	1·25	12	7·04	19	4·75	21	9·13	28	4·43	24
42	11·66	19	8·66	23	13·90	28	2·16	15	9·53	23	6·45	19	12·43	28	6·70	23
43	11·90	..	4·66	..	16·68	..	4·90	..	11·93	..	6·17	..	10·50	..	9·10	..
44	11·66	..	6·11	..	18·46	..	3·12	..	8·98	..	5·56	..	12·21	..	5·04	..
45	4·40	9	3·74	8	11·53	17	0·16	2	12·23	8	0·92	3	1·22	8	1·03	8
46	13·32	15	11·32	19	20·76	22	9·00	16	24·40	17	8·72	18	25·52	25	8·00	17
47	12·75	15	13·46	21	20·56	26	6·56	17	22·47	21	8·92	19	22·28	30	7·61	24
48	11·75	19	14·96	22	24·51	27	7·18	16	23·21	21	9·69	19	20·48	30	6·26	21
49	5·02	10	14·43	21	18·22	14	1·99	8	16·31	16	8·25	14	13·86	15	3·66	16
50	8·88	18	14·10	18	18·21	23	2·90	11	12·05	18	8·57	21	11·84	23	4·81	20
51	11·25	13	11·35	26	16·71	25	5·13	19	13·48	20	6·80	22	19·63	31	6·46	23
52	8·52	..	8·15	..	23·46	..	1·63	2	14·18	12	4·02	6	16·35	13	2·54	7
53	2·53	13	8·95	16	7·92	20	1·58	12	8·30	17	3·74	19	6·54	23	2·56	16
54	10·64	12	10·71	20	20·19	23	3·19	11	10·55	23	8·03	23	13·24	25	8·03	23
55	6·04	12	7·97	17	10·47	21	1·25	9	9·27	17	3·18	14	8·67	16	4·60	15
56	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
57	9·32	9	10·05	21	17·87	25	3·24	11	14·98	22	7·36	22	13·50	28	7·90	21
58	8·01	16	8·28	20	19·36	21	5·48	17	16·36	24	6·78	20	13·97	27	7·65	22
59	..	..	..	..	..	..	..	..	16·14	23	7·63	21	15·42	25	8·65	20
60	8·41	16	10·01	20	20·49	22	5·20	15	15·16	21	5·69	16	14·25	20	5·65	16
61	9·22	13	9·65	21	13·33	25	2·33	9	8·54	21	5·55	21	9·57	22	7·63	21
62	8·82	8	7·00	18	13·30	21	2·05	7	7·31	15	5·11	18	9·34	21	6·13	22
63	7·82	12	9·19	19	11·02	21	2·26	13	11·40	20	5·03	18	8·49	26	5·69	22
64	2·89	6	9·16	12	6·67	10	2·59	8	10·83	17	3·31	16	7·33	14	4·58	15
65	5·62	9	6·48	16	9·80	13	1·95	9	8·84	15	3·04	15	5·52	15	3·22	15

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1906—*concluded.*

Reference Number of Station.	September.		October.		November.		December.		Total Rainfall in 1906.		Average Annual Rainfall.		Number of Years employed.		Greatest Daily Rainfall in the Year 1906.	
	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Total Rainfall.	No. of Days.	Amount.	Number of Rainy Days.	Amount.	Number of Rainy Days.	For Rainfall.	For Rainy Days.	Amount.	Day.
	ins.		ins.		ins.		ins.		ins.		ins.				ins.	
39	3·71	21	5·76	23	1·05	12	9·98	20	69·66	232	86·83	231	6	6	6·50	Dec. 29
40	4·07	24	6·19	25	1·26	19	10·35	23	84·39	309	90·63	286	6	3	6·65	Dec. 29
41	4·38	21	6·66	24	1·11	8	11·52	17	82·16	234	87·98	226	29	26	7·10	Dec. 29
42	6·06	22	6·08	25	1·59	12	11·76	17	96·98	254	124·39	270	23	23	6·30	Dec. 29
43	7·19	..	6·95	..	0·97	..	9·07	..	100·02	..	138·58	246	18	17	..	..
44	4·69	..	4·59	..	1·15	..	11·94	..	93·51	..	..	..	1	1	..	..
45	1·12	6	1·86	7	0·22	3	7·49	8	45·92	87	50·62	97	2	2	9·23	May 9
46	8·68	17	8·96	24	2·36	12	15·32	11	156·36	213	150·62	200	5	5	..	..
47	7·20	23	8·43	24	2·41	12	12·80	19	145·45	251	144·00	240	43	43	10·37	July 21
48	6·60	21	7·86	21	1·91	11	12·48	16	146·89	244	136·11	237	26	5	10·35	July 21
49	3·21	13	3·94	15	1·26	6	9·33	15	99·48	163	92·07	182	29	29	6·31	May 31
50	4·04	18	5·07	18	0·86	8	8·51	18	99·84	214	91·08	233	29	25	4·55	July 22
51	6·47	25	6·27	28	1·70	8	11·97	18	117·22	258	122·95	235	13	13	7·97	July 21
52	4·11	10	3·92	15	0·35	3	8·45	7	95·68	..	105·71	217	25	22	5·40	July 21
53	2·03	12	3·66	13	1·27	4	5·96	8	55·04	173	63·43	202	42	41	4·25	Dec. 29
54	6·08	23	5·28	23	1·42	9	10·29	13	107·65	228	97·53	200	43	43	5·80	Dec. 29
55	3·17	12	2·53	13	0·82	6	6·14	12	64·11	164	75·81	172	3	2	3·45	Dec. 28
56	8·19	25	7·58	20	1·83	12	14·64	27	..	..	..	..	..	..	7·25	Dec. 29
57	5·35	20	5·30	23	1·93	11	9·01	14	105·81	227	94·23	195	35	35	6·16	Dec. 29
58	4·48	22	4·70	25	1·44	12	9·71	16	106·22	242	109·55	198	10	10	6·34	Dec. 28
59	5·33	15	4·24	15	0·28	2	8·16	7	..	..	..	..	..	..	6·46	July 21
60	4·63	18	5·59	23	1·03	9	8·72	13	104·83	209	100·64	184	21	9	6·16	July 21
61	3·69	21	4·57	20	1·26	12	7·04	15	82·38	221	71·89	185	21	20	5·81	Jan. 29
62	3·76	19	3·41	18	1·32	12	7·18	13	74·73	192	72·24	164	15	14	6·23	Jan. 29
63	3·67	23	3·22	22	1·25	11	6·60	13	75·64	220	81·38	213	39	39	4·70	Feb. 4 & Dec. 28
64	2·90	9	3·79	12	0·90	3	8·07	10	63·02	132	76·28	154	38	38	5·55	Dec. 28
65	1·61	10	2·42	9	0·92	5	6·49	13	55·91	144	60·19	132	17	17	4·80	Dec. 29

The mean rainfall for 59 stations = 73·44 ins., as compared with the average, 80·34 ins.

APPROXIMATE ALTITUDES of RAINFALL STATIONS and the NAMES of OBSERVERS.

District.	Station.	Observer.	Altitude.	Reference Number of Station.
			Feet.	
Rivière du Rempart.	Union Maurel	L. Maurel	200	1
	Union Ribet	R.	200	2
	Bel Mont	R. de Chazal	50	3
	Poudre d'Or	R. de Chazal	20	4
	St. Antoine	R. de Chazal	50	5
	Mon Loisir (Estate).	E. Alizart	300	6
	Mon Loisir (R.)	R. H. Rouillard	300	7
	Labourdonnais	A. Wiéhé	290	8
	Mon Choix	W. P. Ebbels	700	9
	Beau Séjour	W. P. Ebbels	300	10
	Mont Piton	W. P. Ebbels	860	11
	Antoinette	G. Martin	640	12
	Mon Songe	G. Martin	620	13
Pamplemousses.	Beau Plan	A. Lagesse	195	14
	The Observatory	T. F. Claxton	179	15
	Botanical Gardens	P. Koenig	225	16
	La Grande Rosalie	G. Martin	643	17
	California	G. Martin	840	18
Port Louis.	The Albion Dock	C. Sumière, C.M.G.	18	19
Flacq.	La Grande Retraite	M. Carosin	350	20
	Constance d'Arifat	J. Harel	100	21
	Union Régnard (St. Julien).	A. Marquay	600	22
	Beauchamp	L. Bulau	20	23
	Sans Souci	A. Dalais	910	24
	Olivia	E. Park	400	25
	Etoile	C. Barlow	400	26
	Belle Mare	A. Dalais	75	27
Moka.	Providence	V. Lesur	1,200	28
	Val Ory	G. Régnard	1,100	29
	The Bower	C. F. Shand	1,080	30
	Gentilly	Hon. G. R. Dick	1,150	31
	Bon Air Estate	E. Blandin de Chalain.	1,050	32
	Alma Verdun	Hon. H. Léclézio, C.M.G.	1,460	33
	Le Réduit Garden	P. Koenig	1,000	34
Plaines Wilhems.	The Manse, Beau Bassin.	Rev. G. McIrvine, M.A.	850	35
	Villa Fantaisie	H. Ducray	830	36
	Trianon Estate	E. Lagesse	950	37
	Salency (Rose Hill)	A. Boulé	923	38
	Military Camp Phœnix.	Capt. J. E. Matheson, R.E.	1,370	39
	Bernica, Upper Vacoas.	E. Mayer	1,615	40
	Réunion, Vacoas	H. Robinson	1,420	41
	Curepipe Gardens	P. Koenig	1,840	42
	Mare-aux-Vacoas	P. Lejuge de Segrais, A.M.I.C.E.	1,850	43
	La Marie (Filter Est).	P. Lejuge de Segrais, A.M.I.C.E.	1,700	44
Black River.	La Ferme (Bambous).	L. Vigoureux	350	45
Grand Port.	Bananes Fressanges.	A. Lenferna	1,400	46
	Cluny	G. Desplaces	1,000	47
	Cent Gaulettes	A. de Gage	800	48
	Ferney	J. Wiéhé	20	49
	Riche-en-Eau	P. de St. Romain	1,200	50
	Union Park	E. Lemaire	900	51
	Astrœa	A. Daniel	700	52
	Beau Vallon	L. Daruty de Grand Pré.	60	53
	Gros Bois	G. D'Unienville	500	54
	Union Vale	P. de St. Romain	1,200	55
Savanne.	Talbot Forest (Kanaka).	P. Koenig	2,000	56
	Colmar	A. Constantin	400	57
	Beau Bois	E. Labat	350	58
	St. Avold	T. Innis	600	59
	Britannia	T. Innis	730	60
	Bénarès Résidence	A. Constantin	300	61
	Bénarès Sugar House.	A. Constantin	200	62
	St. Aubin Estate	E. Labat	300	63
	Union Bel-Air	T. Vigier Latour	90	64
	Terracine	O. Pilot	50	65

APPENDIX.

RESULTS

OF

SEISMOLOGICAL OBSERVATIONS.

1906.

APPENDIX.

RESULTS

OF

SEISMOLOGICAL OBSERVATIONS,

1906.

Introduction.

The Seismograph used for the registration of unfelt earth movements is of the Milne pattern, recommended by the Seismological Committee of the British Association for the Advancement of Science, and described in the Annual Report of the Committee for the year 1896.

The instrument is mounted in the north-east corner of the Magnet Basement, on a concrete pillar which rises from a foundation of the same material, $8\frac{1}{2}$ feet deep and 4 feet square. The pillar, which projects 4 feet above the floor, is 6 feet high and tapers from 4 feet square at the base to $1\frac{1}{2}$ feet at the top. It is not in contact with the earth on any side, so that the instrument records the movements of the concrete foundation, the base of which is $10\frac{1}{2}$ feet below the level of the floor and $22\frac{1}{2}$ feet below the level of the ground.

On 1902, February 7, a second pendulum was added to the instrument for the registration of earth movements in a north-south direction, and arranged to record on the same strip of paper as the original pendulum.

When removed to the Magnet Basement on 1905, August 17, the instrument was orientated with its booms in an east-west direction, so that this component is now registered by the new and the north-south component by the original pendulum.

For further particulars concerning the working of the instrument, reference may be made to the volumes for 1902 and 1903 (Appendix).

Particulars of 64 earthquakes registered during the year 1906 are given on pp. (lxviii) and (lxix).

In addition to earthquake movement the instrument records gradual changes of level, for the study of which the ordinates of the seismograms are measured at every hour of the day (commencing at Mauritius mean midnight). The mean hourly ordinates in each month, the progressive change, and daily ranges of level are converted into angular measure by the formulæ:—

$$\alpha = \cdot 0422/\tau^2 - \cdot 098 \quad \text{for the original pendulum}$$
$$\alpha = \cdot 0544/\tau^2 - \cdot 122 \quad \text{for the new pendulum,}$$

where α is the angular value (in seconds) of 1 division of the scale and τ the time of vibration of the pendulum (in minutes).

These formulæ were deduced from simultaneous observations of the time of vibration and scale value at varying sensibilities, made in the month of August.

The observed times of vibration of the booms during the year 1906 are given below.

Date, 1906.	Pendulum.		Date, 1906.	Pendulum.		Date, 1906.	Pendulum.	
	Original.	New.		Original.	New.		Original.	New.
Jan.	m.	m.	May.	m.	m.	Sept.	m.	m.
4	0·240	0·310	5	0·495	0·517	1	0·317	..
14	·325	·230	12	·322	·344	5	·286	0·200
18	·240	·273	15	·333	·350	15	·250	·250
25	·348	·289	20	·333	·333	18	·317	·322
			23	·333	·333			
			26	·333	·300			
Feb.						Oct.		
6	·325	·329	June.			1	·219	·219
8	·307	·345	1	·355	·317	5	·333	·250
11	·333	·333	4	·340	·380	11	·264	..
17	..	·327	9	·343	·333	16	·290	·228
23	·225	..	13	·363	·342	23	·317	..
			19	..	·380	25	·333	·300
			22	..	·333			
March.								
10	·360	·382						
14	·340	·280	July.			Nov.		
22	·280	·380	5	·333	·317	6	·290	·333
28	·333	·395	10	·355	..	12	·285	·214
			19	·364	·380	18	·300	·225
			26	·355	·330	26	..	·333
April.			29	·400	·333			
1	·300	·317						
7	·300	·325						
12	·333	..	Aug.					
14	·250	·250	1	·414	·317	Dec.		
18	·342	·344	13	·320	·320	7	·250	·267
20	·262	·300	17	·375	·333	17	·242	·219

It will be seen that the time of vibration of both booms varies considerably. It is the practice, therefore, to determine it at short intervals, and use mean values for periods during which the variations are relatively small. It should be mentioned that the probable error of observation amounts to $0^m \cdot 02$ when the time of vibration is small, or when the pendulum comes to rest too quickly, also the experiments indicate that the relation between α and τ depends to a small extent on the position of the pivot in the agate cup, owing to imperfections in the form of one or other, or both. For these reasons the adopted scale values may occasionally differ by 10 per cent. from the true value. This will affect all absolute values; but in the case of mean monthly diurnal inequalities the form of the curve, if not the amplitude, may be considered correct. For various reasons, in some months only a few days' registers were available; the monthly means are therefore not strictly comparable, apart from errors in the adopted scale values.

The diurnal range of level given on pp. (lxx) to (lxxii) refers to the civil day, and the progressive change of level is the excess of the ordinate at 24^h over the ordinate at 0^h on each day, the sign (+) indicating a tilt to north or east, and the sign (—) a tilt to south or west. The gradual tilting of the pillar is shown graphically on Plate III. The diagram has been constructed by plotting the accumulated changes of level as rectangular co-ordinates from a fixed point.

After irregular wanderings with very little resultant movement during the first three months of the year, the pillar tilted more or less steadily to north-north-east until May 14, to the extent of 14″, and from thence tilted 24″ to east-north-east by a series of irregular movements The resultant tilt from January 1 to December 31 was $40'' \cdot 4$ in a direction N. 44° E.

In determining the mean diurnal inequality of level for each month (p. (lxxiii)), only those days have been included for which complete and undisturbed registers of both north and east components are available. The non-periodic variations have been eliminated by applying to each mean hourly value the correction—

$$\gamma = (h - 12)\ (x_0 - x_{24})/24,$$

where γ is the correction to be applied to the mean monthly value at the hour h, and x_0, x_{24}, the mean monthly values at the hours 0^h and 24^h respectively.

The monthly mean north and east components of tilt are shown graphically on Plates 4 and 5, and to illustrate more clearly the nature of the diurnal tilting of the pillar, vector diagrams for each month, showing the amount and direction of tilt from hour to hour, have been constructed by plotting the north and east components as rectangular co-ordinates from a fixed point (Plate VI).

The vector diagrams are widely different in different months; though a tilt to north or north-east from about 7^h to 17^h, and thence back to south or south-east,

is shown in each month. In January, February, and December, the second branch of the curve (from north to south) lies to the east of the first branch, and in March, April, May, August, September, October, and November, to the west, while in June and July the two branches are nearly coincident. In each month the movement was most rapid during the hottest hours of the day. The greatest amplitude of motion occurred in April and the least in July. The October curve enclosed the greatest area and the July curve the least.

Comparing the diagrams with those for the years 1902 and 1903, when the instrument was in the electrometer hut, and subjected to the influence of a lamp used at night to check air tremors, we find that the phase has been altered by approximately 12 hours, though the direction of tilt has not been greatly altered. The amplitude of motion has been reduced in the proportion of about 4 to 1.

The north and east components of the true solar diurnal inequality of level for each month have been subjected to harmonic analysis and the results given on pp. (lxxiv) and (lxxv).

LIST of EARTHQUAKES recorded at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1906.

Shide Register Number.	Mauritius Register Number.	Date, 1906.	Time of Commencement of Preliminary Tremors (G.C.T.).	Time of Commencement of 2nd Phase (G.C.T.).	Time of Commencement of Large Waves (G.C.T.).	Time of Maximum (G.C.T.).	Time of End of Disturbance (G.C.T.).	Amplitude. Mills.	Amplitude. Arc.	Remarks.
		d	h m	h m	h m	h m	h m		″	
..	554	Jan. 2	2.14·5	..	..	2.17	2.19	..	..	Thickening of trace.
..	555	„ 19	9¼	..	..	..	9¾	..	..	Several slight irregular movements.
..	556	„ 22	4.56	..	5. 3	5. 6·5	5.14	..	..	Thickening of trace.
..	557	„ 31	15.24 {	..	..	..	15.38·5	..	..	First preliminary tremor.
				15.58	..	16.56	19.15	20·0	8·8	*See* Plate II.
..	558	Feb. 2	0.39	..	..	0.45	0.54·5	..	..	Thickening of trace.
..	559	„ 2	18. 0	..	18. 7·5	18.13	18.29	1·0	0·3	
..	560	„ 3	22. 2·5	..	..	22. 7·5	22.10	..	..	Thickening of trace.
..	561	„ 5	5.11	..	..	5.14·5	5.29	0·5	0·1	
..	562	„ 10	9.20	..	..	9.28	9.36	..	..	Thickening of trace.
..	563	„ 19	2.25	2.49	2.55·5	3. 1	5	2·5	0·7	
..	564	„ 27	19.58·5	20.11·5	..	20.18	..	0·5	0·1	
..	565	March 9	20.11	..	..	20.21·5	20.39	..	..	Thickening of trace.
..	566	„ 21–22	23.57·5	..	0. 4·5	0. 6·8	0½	1·5	0·6	
..	567	„ 22	6.20	..	..	6.22	6.24	..	..	Thickening of trace.
..	568	„ 25	22.15	..	..	..	22.46	..	..	Frequent thickenings.
..	569	„ 26	6.59	..	..	..	7. 0	..	..	Very slight movement.
..	570	„ 27	5.14	5.21	..	5.34	5.52	1·0	0·4	Sheet changed at $5^h.25^m$.
..	571	„ 28	18.53	..	..	19. 2	19.16	..	..	Thickening of trace.
..	572	April 2	11.56·5	..	..	11.57·5	12. 0	..	..	Thickening of trace.
..	573 {	„ 14	4.20·5	..	..	..	5. 7	..	..	In E.–W. Several thickenings of trace.
		„ 14	4.21	4.28	4.51·5	4.53·5	5.33	0·5	0·1	In N.–S.
..	574	„ 18	13.41	13.58	..	14.50	17	5·0	2·0	*See* Plate II.
..	575	„ 19	7.17	..	..	7.49·5	8.37	..	..	Thickening of trace.
..	576	„ 20	5.50	..	..	..	9.35	..	..	Frequent small tremors.
..	577	„ 23	4.39	..	..	..	6.17	..	..	Thickening of trace.
..	578	„ 25	8.55	..	..	9. 9	9.24	..	..	„ „
..	579	„ 25	1.57	..	..	2.16·5	2.23	..	..	„ „
..	580	May 4	6.10·5	..	..	..	6.14·5	..	..	Isolated thickening of trace.
..	581	„ 5	0.49·5	..	..	0.50·5	1.37	..	..	Several slight thickenings of trace.
..	582	„ 14	4.57·5	..	..	5.23·5	5.28·5	..	..	Slight thickenings of trace.
..	583	„ 21	13.30	..	..	13.36·5	13.49·5	..	..	Thickening of trace.

LIST of EARTHQUAKES recorded at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1906—*continued.*

Shide Register Number.	Mauritius Register Number.	Date. 1906.		Time of Commencement of Preliminary Tremors (G.C.T.).	Time of Commencement of 2nd Phase (G.C.T.).	Time of Commencement of Large Waves (G.C.T.).	Time of Maximum (G.C.T.).	Time of End of Disturbance (G.C.T.).	Amplitude. Mills.	Amplitude. Arc.	Remarks.
			d	h m	h m	h m	h m	h m		″	
..	584	June	1	5.42	..	..	..	6.35·5	..	..	Thickening of trace.
..	585	„	2	14.45	..	..	15.17·5	15.35	..	..	„ „
..	586	„	3	4·53	..	..	4.53·5	4.57	..	..	„ „
..	587	„	8	4.17·5	..	..	4.18·5	5.11	..	..	„ „
..	588	„	9	7.39	..	7.40	7.41·5	7.47	..	..	„ „
..	589	„	10	21. 3.5	..	..	21.12	21.36	..	..	„ „
..	590	„	19	11.28	11.43	12. 8	12. 9	12.40	1·0	0·4	
..	591	„	20	3.39	..	..	3.51·5	4.2	..	..	Thickening of trace.
..	592	„	22	8.54·5	..	..	8.59·5	9.10	..	..	„ „
..	593	„	24	7.22	..	..	7.27	..	..	..	„ „
..	594	„	24	11.33	..	11.42	11.49	11.53	1·0	0·4	
..	595	July	14	0.14·5	..	0.37·5	0.41·5	1. 1	1·0	0·4	
..	*596	„	15	8.50	..	..	8.54·5	9. 0	..	..	Thickening of trace in N.–S.
..	*597	„	15	11.58·5	..	12. 1	12.3	12.11	..	..	„ „ „
..	*598	„	20	11.56	..	11.59	12. 1·5	12.35	..	..	„ „ „
..	599	„	22	18.37	..	..	18.39	19.16	4·0	1·6	
..	600	Aug.	18	0.38	..	..	1.40	4¾	7±	2·8	*See* Plate II.
..	601	„	19	7¾	..	..	10.29	11½	..	..	Thickening of trace.
..	*602	„	25	12. 7	12.10	..	12.18·5	12.54	0·5	0·1	In N.–S.
..	*603	„	25	13.55·5	14. 0·5	14. 3	14.12	16	2·0	0·4	„
..	*604	„	26	..	..	..	7.13	8.18	0·5	0·1	In N.–S. Sheet changed at 6.40. Beginning lost.
..	*605	„	30	3. 0	3.10	..	3.51·5	5	0·5	0·1	In N.–S.
..	*606	Sept.	7	19.15	..	..	19.58	21.40	..	..	Thickening of trace in N.–S.
..	607	„	12	..	4.36	..	4.42	..	..	..	Record defective. Paper loose.
..	608	„	14	11.18	..	..	12. 6	12.43	..	..	Thickening of trace.
..	609	„	14	14.20	14.30·5	14.56	15 0	17¾	4·5	1·8	In E.–W. } A marked change of
		„	14	14.20	14.31	..	14.59·5	17¾	1·6	0·6	In N.–S. } period of vibration occurred in E.–W. at $14^d.48^h$, and in N.–S. at $14^d.43^h·5$.
..	610	„	17	7. 3	..	..	..	7. 9	..	..	Isolated tremor.
		„	17	..	7.29	..	7.48·5	7.59	..	..	
..	*611	„	20	17.59	..	..	..	18. 9	..	..	Isolated tremor.
		„	20	..	18.25	18.34	18.44	19	0·5	0·3	In N.–S. only.
..	*612	„	21	1.49·5	..	..	..	1.53	..	..	Isolated tremor.
		„	21	..	2.11	..	2.17	2.39	..	..	In N.–S. only.
..	613	Oct.	2	0. 3	..	0.14	0.15·5	1.40	1·0	1·0	In E.–W. } A marked change in
		„	2	0. 3	..	0.14	0.45·5	3	1·0	0·6	In N.–S. } period of vibration occurred in both booms at $0^h.33^m$.
..	*614	„	2	12.29·5	..	12.47	12.49	12.55	1·0	0·6	Very small movements in E.–W.
..	*615	„	24	15. 2	..	15.13	15.18·5	15.58	1·5	0·9	In N.–S. only.
..	616	Nov.	19	7.27	..	7.38·5	7.41	9	3·0	3·0	
..	617	Dec.	19	1.35	..	..	1.45	2. 5	..	..	} Frequent thickenings of trace.
		„	19	2. 8	..	..	2.27	3. 2	..	..	

* Not registered in E.–W.

DIURNAL RANGE and PROGRESSIVE CHANGE of LEVEL (NORTH and EAST COMPONENTS) as derived from the PHOTOGRAPHIC RECORDS of a MILNE SEISMOGRAPH. (The Unit in the Table is 0″·01.)

1906.

Day of Month.	January.				February.				March.				April.			
	Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.	
	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.
1	..	..	..	..	..	..	..	..	..	..	..	..	110	54	+ 43	0
2	56	10	+ 40	0	42	30	−42	+38	..	..	..	..	37	9	− 31	0
3	..	..	..	..	18	38	−24	+38	..	..	..	..	67	27	+ 37	+ 9
4	8	59	− 8	−38	42	15	+18	+ 8	..	..	..	..	55	54	+ 55	− 9
5	4	20	0	−10	54	30	+12	+15	54	9	0	− 9	43	9	+ 31	0
6	24	20	− 24	0	36	23	−12	+15	24	9	− 18	− 9	43	45	+ 37	−18
7	40	69	− 8	+49	54	30	0	0	66	35	− 36	−35	43	18	+ 12	+18
8	48	20	+ 40	+20	60	30	+36	+ 8	..	..	..	..	67	27	+ 50	−27
9	..	..	..	..	42	15	+48	+ 8	..	..	..	..	24	..	+ 6	..
10	24	59	− 8	−39	60	15	+36	0	18	87	+ 6	+87	..	..	..	..
11	64	20	− 56	+10	36	15	− 6	+ 8	..	..	..	..	30	..	+ 19	..
12	32	20	0	+10	24	30	+ 6	+23	..	..	..	..	..	..	..	..
13	48	10	+ 16	0	24	15	+12	+ 8	..	..	..	..	61	18	0	+ 9
14	56	10	− 56	+10	60	30	+42	+30	108	78	−108	+78	116	45	+104	+36
15	24	5	0	0	..	..	..	..	..	..	..	..	18	54	0	− 9
16	40	20	− 32	−20	..	..	..	..	..	..	..	..	61	36	+ 37	+36
17	24	20	− 16	−10	24	38	+24	+46	..	..	..	..	..	..	..	..
18	40	29	+ 24	+29	54	30	+60	−23	..	..	..	..	128	90	+104	−54
19	152	29	+136	0	48	30	+24	− 8	..	..	..	..	110	72	+ 67	0
20	64	29	− 32	+10	48	38	−18	+ 8	72	..	+ 60	..	91	24	+ 55	+27
21	64	5	0	0	54	15	+42	+ 8	66	96	+ 48	+96	37	56	− 18	−18
22	40	29	+ 16	+20	60	76	−36	+68	36	96	+ 36	−96	55	48	+ 18	+54
23	56	29	0	−20	48	8	−48	0	12	17	0	+ 9	67	56	+ 6	+18
24	72	39	+ 64	0	90	76	+ 6	−91	..	..	..	..	61	90	− 24	+81
25	72	39	− 72	+38	18	8	−30	− 8	36	26	− 24	− 9	67	45	+ 37	0
26	24	10	− 24	−20	60	8	+42	− 8	90	35	+ 42	0	67	54	− 61	+18
27	32	29	− 32	−20	60	8	+ 6	0	36	17	− 24	− 9	..	..	..	..
28	96	108	+ 48	−20	78	8	+18	− 8	66	26	0	0	..	..	..	..
29	40	59	+ 16	−10					48	26	0	0	..	..	..	..
30	24	69	+ 16	−59					60	35	0	−26	..	..	..	..
31	32	20	+ 8	−10					96	43	− 96	+43				

DIURNAL RANGE and PROGRESSIVE CHANGE of LEVEL (NORTH and EAST COMPONENTS) as derived from the PHOTOGRAPHIC RECORDS of a MILNE SEISMOGRAPH—*continued.* (The Unit in the Table is 0″·01.)

1906.

Day of Month.	May.				June.				July.				August.			
	Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.	
	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.
1	..	..	..	..	..	..	..	..	14	56	−10	−32	35	56	0	+56
2	..	..	..	..	..	..	..	..	10	24	0	+16	13	16	−4	−8
3	..	..	..	..	38	16	+38	+8	19	24	−19	+8	48	80	+4	+32
4	56	25	+50	0	24	192	−5	+152	29	24	−14	0	18	16	−4	−8
5	39	25	+28	0	38	96	+10	+96	14	16	−14	+8	44	24	−40	−16
6	22	42	−17	+33	34	40	+14	+40	14	24	−5	0	53	24	+22	−16
7	17	42	+6	+17	29	48	0	−8	19	8	−19	0	22	16	−13	+8
8	62	59	+22	0	67	48	+53	+40	38	8	−38	+8	22	8	−9	−8
9	84	59	+39	+50	48	80	+24	0	19	8	−19	0	31	8	−18	0
10	62	50	+45	+8	29	32	+24	+32	38	48	−10	+48	62	0	+26	0
11	84	84	+34	+67	..	..	..	..	48	16	0	+16	57	24	+48	−24
12	..	168	..	+84	34	56	0	−48	..	..	..	..	35	16	−44	−16
13	179	109	+179	−25	38	216	−19	+216	19	24	−10	+24	62	32	+44	+32
14	84	76	+67	−50	29	120	+19	−64	24	40	−24	+40	53	16	+35	+16
15	34	17	−34	−8	29	..	+5	−72	34	40	−29	+40	53	32	+35	+16
16	39	8	−39	+8	62	40	+53	−32	24	32	+5	+8	..	..	..	..
17	28	4	−22	0	38	56	+34	−32	10	56	−10	+40	..	..	..	..
18	34	17	−17	0	14	88	+14	−56	38	40	−38	+40	..	..	..	..
19	22	25	+17	+17	58	..	−58	..	58	56	−58	−16	..	..	..	..
20	17	42	+6	−8	72	120	+77	+64	24	80	−10	−80	..	..	..	..
21	50	34	+22	−17	53	72	+38	+64	29	8	−10	−8	66	40	+44	+40
22	34	59	+11	−8	48	72	+39	+72	101	40	−101	−40	70	24	+57	+24
23	39	25	+17	+17	29	32	+19	+16	..	..	..	..	48	48	+48	+48
24	28	59	+17	−8	34	88	+14	−72	..	..	..	..	..	..	..	..
25	39	42	+22	+25	24	56	−24	0	14	..	+10	..	13	..	+13	..
26	..	..	..	..	19	64	0	+40	5	72	−5	−24	9	..	0	..
27	..	..	..	..	43	48	−38	+24	24	32	−5	+24	18	..	+18	..
28	..	..	..	..	53	72	−29	+56	24	16	+19	+8	26	..	+26	..
29	..	..	..	..	38	40	+10	+16	10	40	−10	−8	31	..	+22	..
30	..	..	..	..	34	24	−19	0	48	40	+34	−32	26	..	+13	..
31	..	..	..	..					29	32	−19	−8	13	..	+13	..

DIURNAL RANGE and PROGRESSIVE CHANGE of LEVEL (NORTH and EAST COMPONENTS) as derived from the PHOTOGRAPHIC RECORDS of a MILNE SEISMOGRAPH—*continued.* (The Unit in the Table is 0″·01.)

1906.

Day of Month.	September.				October.				November.				December.			
	Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.		Diurnal Range of Level.		Progressive Change of Level.	
	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.
1	32	10	+25	+ 10	..	..	..	..	49	33	+33	−16	33	58	+11	+ 39
2	32	5	−25	0	16	37	− 8	+ 37	57	33	+33	−33	22	39	0	+ 20
3	19	150	+ 6	−150	..	..	..	..	..	..	..	..	44	39	+33	+ 20
4	..	..	..	..	98	9	+33	0	..	..	..	..	55	39	+22	0
5	19	140	+13	+140	..	..	..	..	57	33	+25	−33	55	39	+44	+ 20
6	..	..	..	..	66	55	− 8	+ 37	49	16	0	+ 8	11	58	0	+ 58
7	51	..	+32	..	25	128	−25	+128	41	8	+ 8	0	33	58	−11	+ 58
8	45	80	−19	..	41	92	+25	− 18	57	41	+16	−33	33	39	−33	0
9	..	..	..	..	..	..	..	..	74	41	+41	−25	55	20	+33	0
10	26	100	+19	+ 30	33	18	−16	+ 18	57	33	+ 8	+33	44	20	+22	+ 20
11	38	200	+19	+ 40	82	37	+25	− 18	49	49	−33	−16	11	39	−11	− 20
12	32	..	0	..	25	55	− 8	+ 18	33	90	+ 8	+90	55	58	+33	− 58
13	26	130	+19	+130	25	37	0	+ 37	57	72	+33	+18	22	117	−11	− 20
14	32	130	+19	+130	49	74	0	+ 74	33	90	− 8	+90	..	..	..	..
15	26	100	+19	+100	49	55	−16	0	..	..	..	..	33	20	+11	+ 20
16	6	80	+ 6	+ 80	41	74	0	+ 74	41	54	−16	+54	44	20	+22	− 20
17	26	130	0	+130	82	52	+49	+ 52	..	..	..	..	44	58	−33	− 39
18	..	..	..	..	..	..	..	..	..	..	..	..	44	58	−44	+ 58
19	..	..	..	..	49	52	+33	− 42	25	72	+ 8	+72	66	39	+44	+ 39
20	26	20	0	0	25	21	+ 8	− 10	25	36	0	+18	..	..	..	..
21	38	70	0	− 30	..	..	..	..	49	72	0	−36	..	..	..	..
22	19	80	−19	+ 80	..	..	..	..	25	36	0	−18	55	58	+44	− 58
23	32	60	−32	+ 60	82	104	+66	+104	..	..	..	..	66	39	+33	0
24	32	30	+13	− 20	33	31	+16	+ 31	..	..	..	..	..	..	..	..
25	83	60	+58	0	49	156	+25	..	33	16	− 8	+ 8	..	..	..	..
26	64	70	+32	− 40	49	73	0	− 73	49	32	+33	−16	11	20	0	+ 20
27	38	60	+19	− 40	16	10	+ 8	0	25	16	− 8	−16	..	..	..	..
28	58	60	+19	− 40	66	31	+57	+ 31	57	32	+33	− 8	66	116	−11	+136
29	26	30	+13	− 30	57	31	+33	+ 10	33	32	−25	−25	66	136	−66	− 58
30	32	20	+19	0	41	31	+ 8	+ 21	33	25	0	0	22	98	−22	+ 98
31					57	42	+16	+ 31					22	20	−22	0

MONTHLY MEAN DIURNAL INEQUALITY of LEVEL (NORTH and EAST COMPONENTS) as derived from the PHOTOGRAPHIC RECORDS of a MILNE SEISMOGRAPH.

(The results in each case are diminished by the smallest hourly value, the unit in the Table being 0″·001.)

1906.

Hour, Mauritius Civil Time.	January.		February.		March.		April.		May.		June.	
	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.
Midnight	183	134	201	83	183	28	261	146	123	200	148	190
1h	162	130	180	85	165	45	222	163	109	215	126	202
2	124	123	153	96	134	45	186	180	83	235	110	217
3	89	127	111	104	103	30	153	211	56	250	88	245
4	59	130	78	113	76	37	111	258	35	270	68	280
5	30	135	55	127	45	57	66	300	27	305	42	312
6	15	142	24	136	22	73	24	340	16	340	16	352
7	0	150	0	137	0	73	0	360	8	380	0	390
8	3	156	31	130	21	60	18	350	0	380	6	395
9	41	141	71	120	62	60	93	325	29	360	36	357
10	80	107	125	92	120	85	174	290	69	320	90	300
11	136	77	165	64	187	124	260	240	139	257	148	220
Noon	189	50	205	38	256	143	335	180	192	190	192	140
13h	225	20	255	12	312	130	411	115	264	120	238	65
14	275	7	316	0	361	110	459	70	296	77	280	25
15	308	0	360	13	392	85	495	30	320	40	298	5
16	325	9	380	17	406	60	504	12	320	20	302	0
17	325	18	389	16	410	38	501	5	293	0	290	0
18	315	27	385	15	392	30	489	0	267	3	274	15
19	302	40	371	20	361	27	453	20	243	15	256	45
20	275	70	330	36	333	15	420	50	205	40	236	75
21	249	95	297	50	294	0	381	80	184	90	214	110
22	231	110	257	63	245	0	336	105	160	135	200	137
23	207	125	222	76	219	5	309	125	141	170	178	164
Means	173	88	207	68	212	57	278	165	149	184	160	177
Number of Days employed.	28		25		13		21		21		25	

Hour, Mauritius Civil Time.	July.		August.		September.		October.		November.		December.	
	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.	North Component.	East Component.
Midnight	59	101	113	20	110	150	106	110	199	172	192	116
1h	50	117	99	25	92	165	81	128	170	195	170	110
2	39	134	80	32	76	175	52	146	135	217	140	110
3	30	157	66	40	60	190	38	172	100	240	105	120
4	20	180	38	50	35	215	23	196	64	260	70	135
5	11	197	22	62	20	230	9	214	33	277	35	147
6	9	215	11	83	3	240	0	220	7	294	13	153
7	4	230	0	106	0	257	0	227	0	294	0	153
8	0	230	3	128	7	260	12	230	4	290	0	150
9	20	200	16	137	30	255	35	230	36	277	22	140
10	36	147	80	130	85	225	95	227	87	255	50	125
11	69	100	124	111	154	165	139	226	142	227	89	100
Noon	91	62	170	90	196	125	180	218	198	192	150	72
13h	110	35	220	63	244	93	238	187	253	148	202	42
14	133	20	257	50	290	62	296	145	306	102	242	24
15	151	10	287	40	310	25	338	90	342	47	270	10
16	157	0	294	33	313	0	354	50	374	11	292	0
17	151	5	286	24	295	0	348	20	381	0	302	3
18	142	15	258	17	252	7	313	0	360	5	308	12
19	128	30	231	10	228	24	280	10	335	30	299	27
20	119	42	209	6	207	50	232	30	306	66	274	50
21	100	55	181	0	170	88	180	50	276	100	251	77
22	84	70	157	11	140	120	139	70	253	130	230	100
23	66	90	135	20	124	135	122	90	224	155	212	115
Means	74	102	139	54	143	136	150	137	191	166	163	87
Number of Days employed.	27		16		12		12		23		25	

VALUES of the CO-EFFICIENTS in the PERIODICAL EXPRESSION—

$$V_t = m + a_1 \cos t + b_1 \sin t + a_2 \cos 2t + b_2 \sin 2t + a_3 \cos 3t + b_3 \sin 3t + a_4 \cos 4t + b_4 \sin 4t$$

(in which t is the time from Mauritius Mean Midnight converted into arc at the rate of 15° to each hour, and V_t the mean amount of tilt at the time t for each Month and for the Year). The unit in the table is 0″·0001.

Month, 1906.	m	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4
	North Component of Tilt.								
January	1728	− 1	−1526	+108	+270	− 3	+ 19	+ 19	− 19
February	2067	− 47	−1733	+ 16	+269	− 20	+113	− 34	− 25
March	2125	−268	−1847	+ 79	+371	− 78	+ 30	+ 3	− 15
April	2775	−278	−2280	+243	+444	−130	+ 37	− 5	− 66
May	1491	−373	−1373	+106	+420	+ 1	− 88	+ 16	+ 17
June	1598	−165	−1331	+144	+325	− 67	− 34	− 11	− 48
July	741	−146	− 698	− 2	+153	− 15	− 4	0	− 8
August	1390	−269	−1300	+ 52	+346	− 18	− 19	+ 1	− 27
September	1434	−440	−1325	+105	−400	− 21	− 22	− 6	− 16
October	1504	−496	−1569	− 80	−369	+ 54	+ 41	+ 12	− 27
November	1910	− 11	−1746	+ 68	+330	+ 16	+ 35	+ 12	− 35
December	1632	−231	−1442	+ 55	+267	− 11	+ 21	+ 17	+ 34
For the Year	1699	−227	−1514	+ 74	+202	− 24	+ 11	+ 2	− 19
	East Component of Tilt.								
January	884	+347	+ 589	+ 11	−253	+ 82	+ 3	− 15	− 11
February	685	+166	+ 582	− 89	−136	+ 77	0	− 17	− 37
March	567	−470	+ 123	+164	+129	− 76	− 34	+119	+ 71
April	1648	−206	+1598	− 52	−403	+ 41	− 56	− 22	− 20
May	1838	− 90	+1711	+108	−406	+159	0	− 12	− 11
June	1767	+100	+1719	−130	−559	+146	+ 29	− 30	+ 1
July	1017	+113	+1019	−176	−225	+ 85	− 12	− 32	− 35
August	537	−398	+ 397	+ 23	−157	+ 68	− 62	− 14	− 15
September	1357	+ 61	+1182	+ 81	−292	+ 44	− 30	− 46	− 3
October	1369	−445	+1001	+240	− 31	− 88	− 94	+ 7	+ 7
November	1660	− 21	+1361	+176	−220	− 69	− 71	− 3	+ 19
December	871	+194	+ 664	+ 56	−224	+ 18	− 51	+ 6	− 43
For the Year	1076	− 54	+ 995	+ 34	−198	+ 40	− 31	− 5	− 7

VALUES of the CO-EFFICIENTS and CONSTANT ANGLES in the PERIODICAL EXPRESSIONS—

$$V_t = m + c_1 \sin(t + \alpha) + c_2 \sin(2t + \beta) + c_3 \sin(3t + \gamma) + c_4 \sin(4t + \delta),$$

$$V_{t'} = m + c_1 \sin(t' + \alpha') + c_2 \sin(2t' + \beta') + c_3 \sin(3t' + \gamma') + c_4 \sin(4t' + \delta')$$

(in which t and t' are the times from Mauritius Mean Midnight and Apparent Midnight, respectively, converted into arc at the rate of 15° to each hour, and V_t, $V_{t'}$ the mean amount of tilt at the time t or t' for each month and for the year). The unit in the table, for the co-efficients, is 0·″0001.

Month, 1906.	m	c_1	α	α'	c_2	β	β'	c_3	γ	γ'	c_4	δ	δ'	$\frac{c_2}{c_1}$	$\frac{c_3}{c_1}$	$\frac{c_4}{c_1}$
	North Component of Tilt.															
			° ′	° ′		° ′	° ′		° ′	° ′		° ′	° ′			
January -	1728	1526	180. 2	182.22	290	21.46	26.25	20	351.30	358.27	27	136. 7	145.23	·190	·013	·018
February -	2067	1741	181.33	185. 2	270	3.23	10.22	114	350. 6	0.34	42	233.12	247.10	·155	·066	·024
March -	2125	1866	188.15	190.27	379	12. 3	16.27	83	338.40	345.17	15	169. 7	177.56	·203	·044	·008
April - -	2775	2297	186.58	187. 2	478	21.41	21.50	135	285.44	285.57	67	184.18	184.35	·208	·059	·029
May - -	1491	1422	195.12	194.20	433	14. 9	12.25	88	179. 2	176.26	23	47.36	44. 8	·305	·062	·016
June - -	1598	1341	187. 3	187. 6	355	23.49	23.55	75	243.30	243.39	49	292.51	293. 4	·265	·056	·037
July - -	741	713	191.47	193. 8	153	359.21	2. 4	16	255.14	259.17	8	180. 0	185.24	·215	·022	·011
August -	1390	1327	191.42	192.41	350	8.36	10.34	27	223. 5	226. 2	27	177.20	181.16	·264	·020	·020
September -	1434	1396	198.23	197.12	414	165.18	162.55	31	224.14	220.40	17	200. 8	195.23	·297	·022	·012
October -	1504	1645	197.33	194. 5	377	347.46	340.51	68	53. 7	42.44	30	155.29	141.38	·230	·041	·018
November -	1910	1746	180.22	176.40	337	11.34	4. 9	38	24.29	13.22	37	161. 7	146.18	·193	·022	·021
December -	1632	1461	189. 5	187.59	273	11.37	9.24	24	331.38	328.19	38	26.44	22.19	·187	·016	·026
For the Year	1699	1527	187.27	187.27	215	20.14	20.14	27	293.51	293.51	20	174.25	174.25	·141	·018	·013
	East Component of Tilt.															
			° ′	° ′		° ′	° ′		° ′	° ′		° ′	° ′			
January -	884	684	30.31	32.50	254	177.24	182. 3	82	87.53	94.50	19	234.54	244.10	·371	·120	·028
February -	685	605	15.55	19.24	163	213.11	220.10	77	90. 9	100.37	41	203.58	217.56	·269	·127	·068
March -	567	486	284.41	286.53	209	51.41	56. 5	83	245.29	252. 6	138	58.59	67.48	·430	·171	·284
April - -	1648	1611	352.39	352.43	406	187.25	187.34	69	143.38	143.51	29	228.33	228.50	·252	·043	·018
May - -	1838	1714	356.58	356. 6	420	165. 9	163.25	159	90. 0	87.24	16	228. 7	224.39	·245	·093	·009
June - -	1767	1722	3.19	3.22	574	193. 4	193.10	149	78.57	79. 6	30	271.27	271.40	·334	·087	·017
July - -	1017	1025	6.20	7.41	286	218. 2	220.45	86	98.12	102.15	47	317.46	323.10	·281	·084	·046
August -	537	562	314.57	315.56	159	171.39	173.37	92	47.36	50.33	20	222.13	226. 9	·283	·164	·036
September -	1357	1184	2.56	1.45	303	164.29	162. 6	53	123.42	120. 8	46	266.22	261.37	·256	·045	·039
October -	1369	1095	336. 2	332.35	242	97.23	90.28	129	223.17	212.54	10	46.18	32.27	·221	·118	·009
November -	1660	1361	359. 6	355.24	282	141.21	133.56	100	224. 7	213. 0	19	351.30	336.41	·207	·074	·014
December -	871	692	16·16	15.10	231	166. 0	163.47	54	160.27	157. 8	44	8.21	3.56	·334	·078	.064
For the Year	1076	997	356.53	356·53	201	170.10	170.10	51	127.52	127.52	9	214. 9	214. 9	·202	·051	·009

PLATE 1.

MAGNETIC DISTURBANCES RECORDED AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS, DURING THE YEAR 1906.

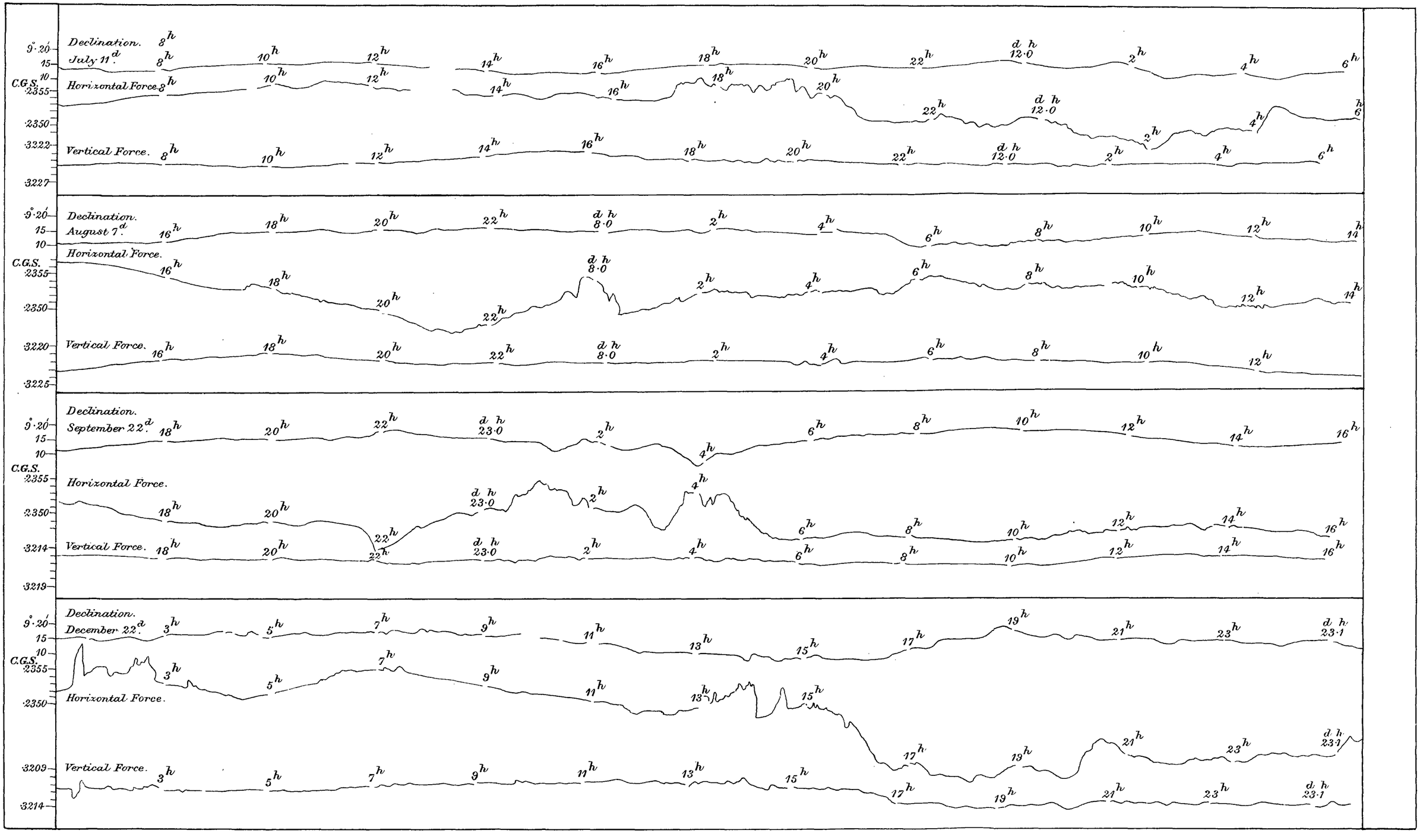
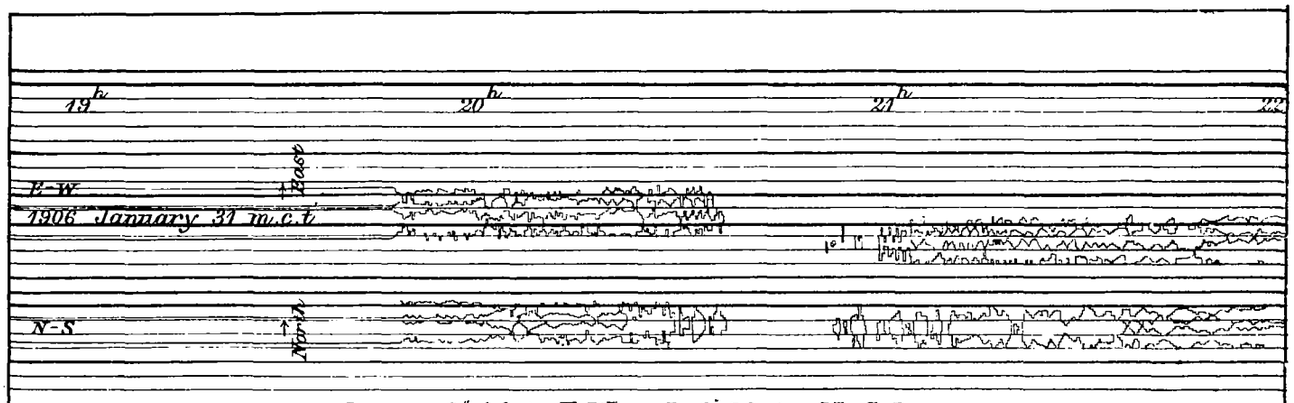
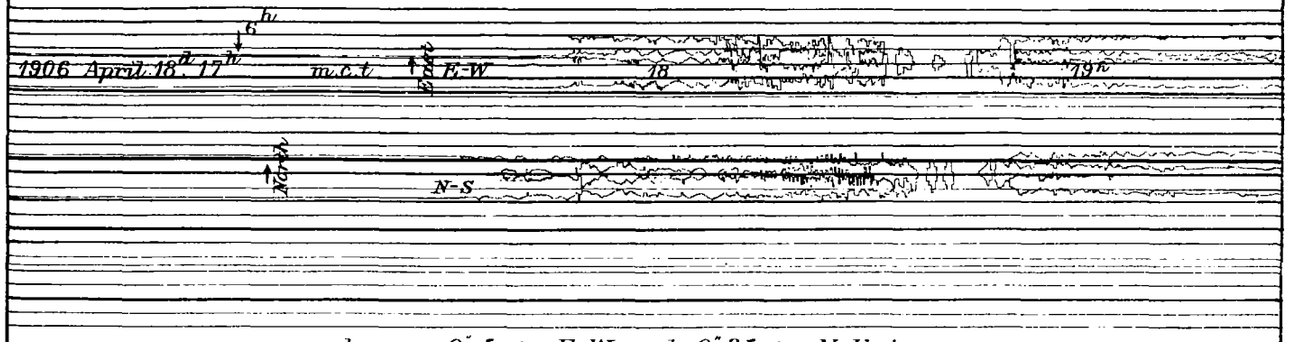


PLATE 2.

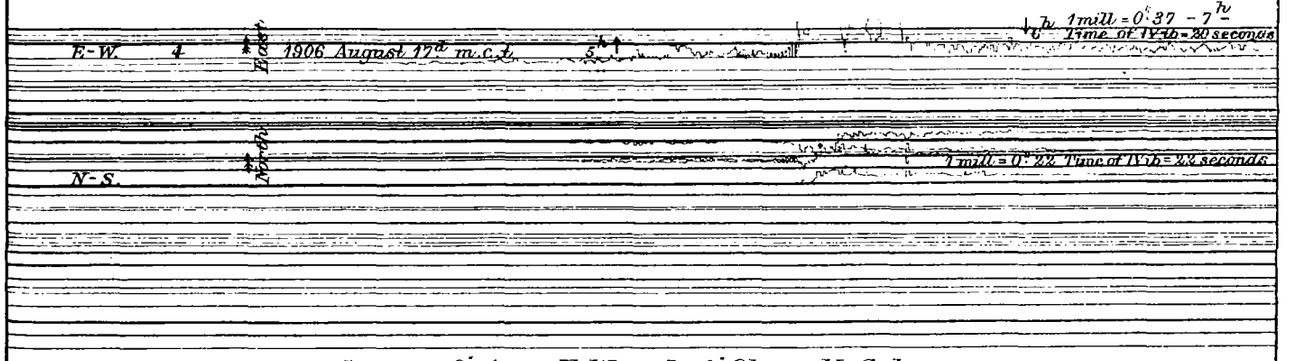
EARTHQUAKES RECORDED AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS, DURING THE YEAR 1906.



1 m.m. = 0".44 in E-W and 0".58 in N-S boom.



1 m.m. = 0".5 in E-W and 0".35 in N-E boom.



1 m.m. = 0".4 in E-W and 0".21 in N-S boom.

PLATE 3.

DIAGRAM SHOWING, THE PROGRESSIVE CHANGE OF LEVEL AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS, DURING THE YEAR 1906, AS DERIVED FROM THE PHOTOGRAPHIC RECORDS OF A MILNE SEISMOGRAPH.

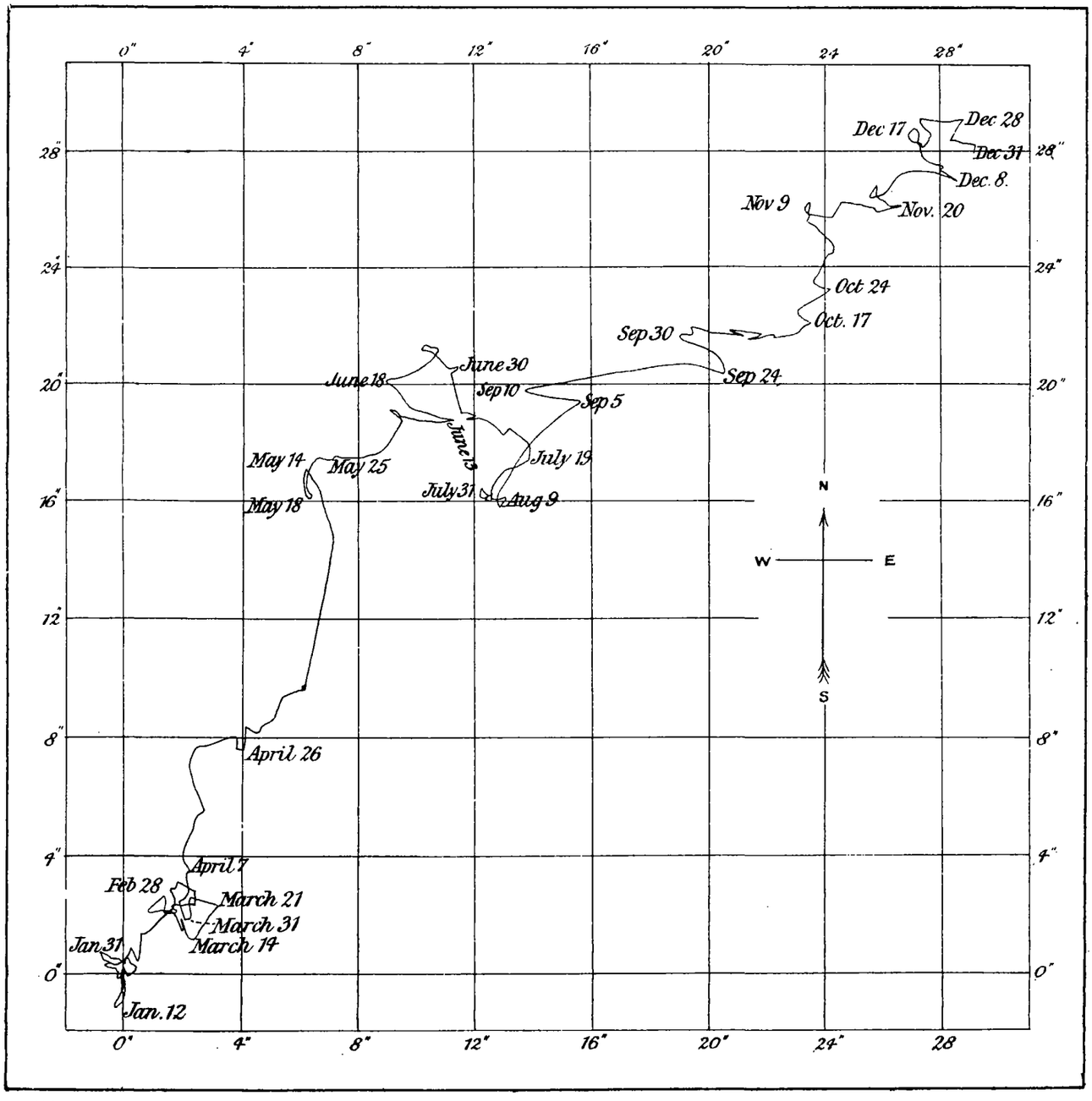


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PLATE 4.

DIAGRAM SHOWING, FOR EACH MONTH OF THE YEAR 1906 THE MEAN DIURNAL INEQUALITY OF LEVEL (NORTH COMPONENT) AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS, AS DERIVED FROM THE PHOTOGRAPHIC RECORDS OF A MILNE SEISMOGRAPH.

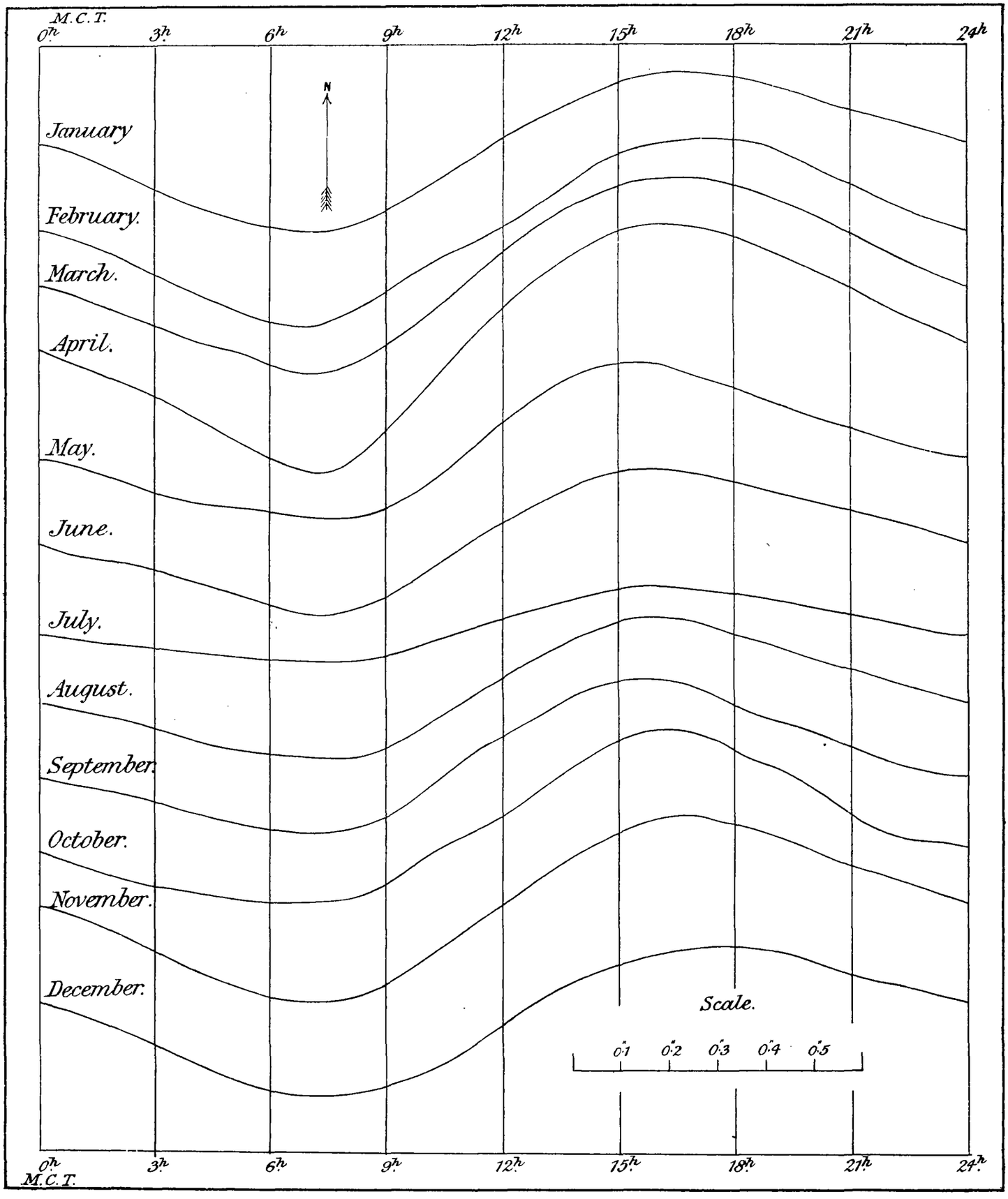
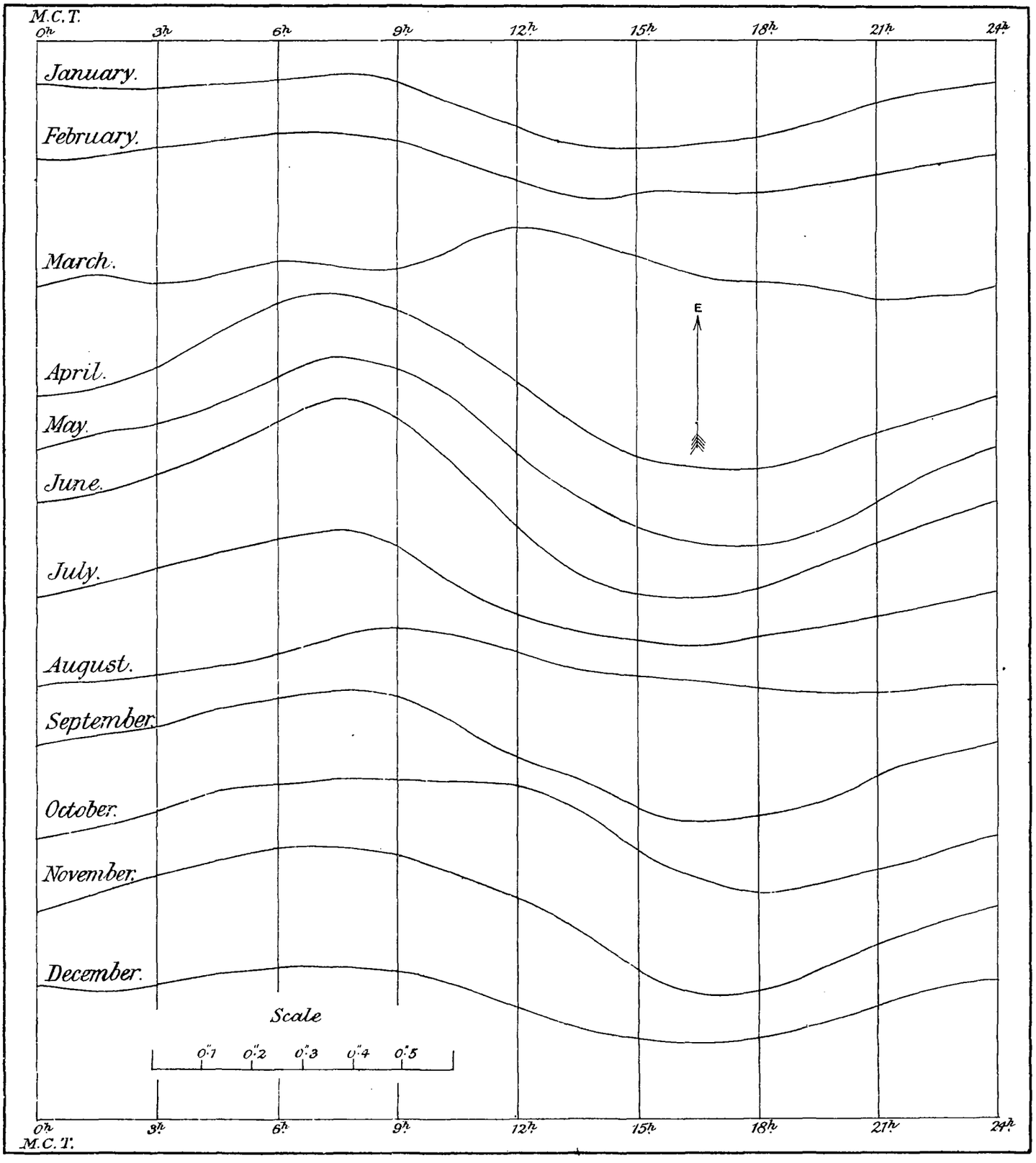


PLATE 5.

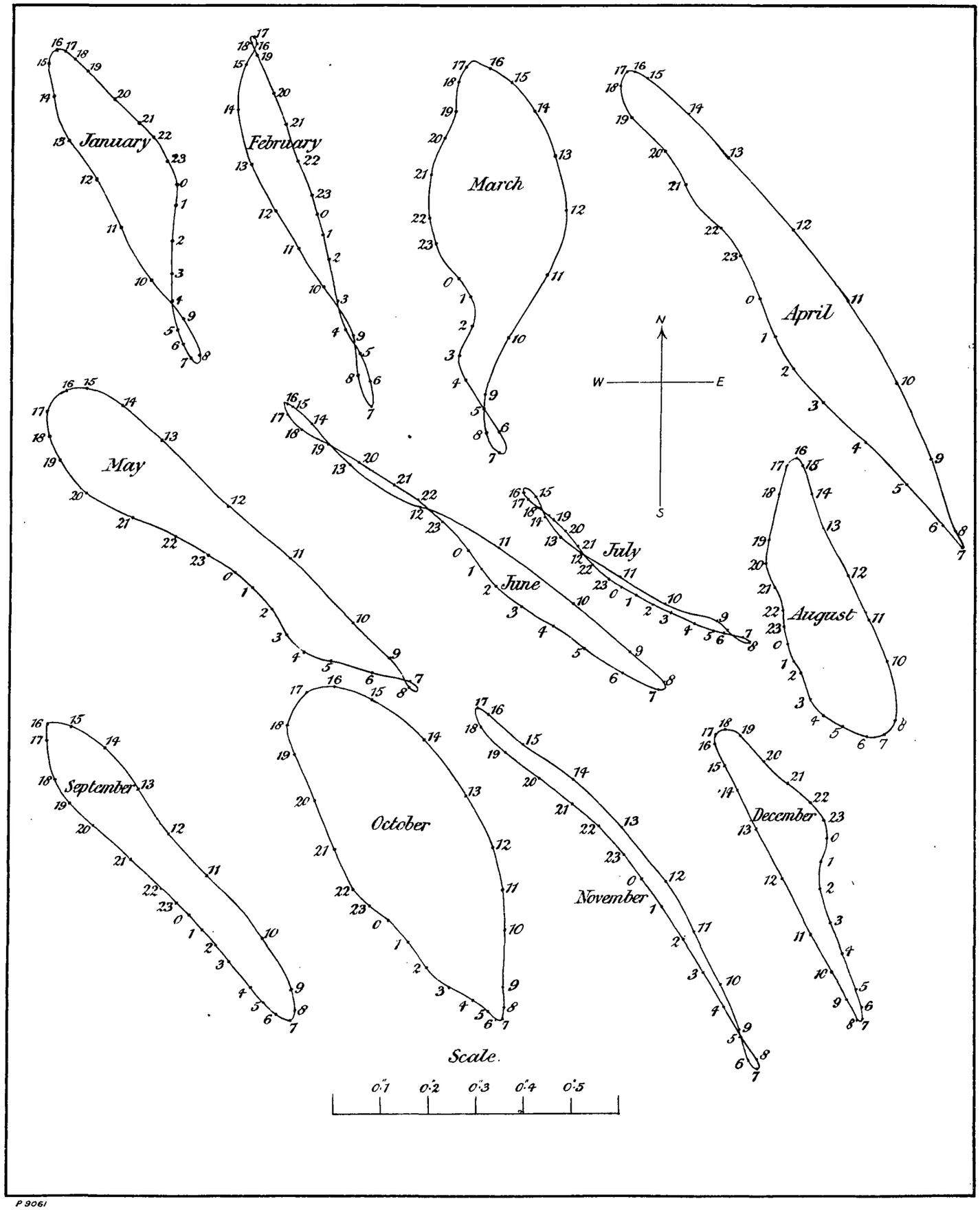
DIAGRAM SHOWING, FOR EACH MONTH OF THE YEAR 1906, THE DIURNAL INEQUALITY OF LEVEL (EAST COMPONENT) AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS, AS DERIVED FROM THE PHOTOGRAPHIC RECORDS OF A MILNE SEISMOGRAGH.



P 9061.

PLATE 6.

VECTOR DIAGRAMS SHOWING, FOR EACH MONTH OF THE YEAR 1906, THE MEAN AMOUNT & DIRECTION OF TILT OF THE PILLAR OF THE MILNE SEISMOGRAPH FROM HOUR TO HOUR AS DERIVED FROM THE PHOTOGRAPHIC RECORDS.



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RESULTS

OF THE

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT

THE ROYAL ALFRED OBSERVATORY, MAURITIUS

IN THE YEAR

1904.

UNDER THE DIRECTION OF

T. F. CLAXTON, F.R.A.S.

LONDON
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1906.

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