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RESULTS

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OF THE

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

438

MADE AT

THE ROYAL ALFRED OBSERVATORY, MAURITIUS,

IN THE YEAR

1904.

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INDEX.

PAGE

INTRODUCTION:

POSITION OF THE OBSERVATORY BUILDINGS AND INSTRUMENTS.

Situation iii
The Main Building iii
The Magnetic Observatory iv
The Magnetic Pavilion iv
The Photoheliograph Dome and Thermograph Screen v
The Seismograph Room v
The Actinometer Hut vi
Enclosure for Thermometers vi

ROUTINE WORK OF THE OBSERVATORY AND STAFF vi

MAGNETIC INSTRUMENTS:

THE UNIFILAR INSTRUMENT viii
Method of making Absolute Observations of Horizontal Force and Declination . . viii
Azimuth of the Magnetic Mark ix

THE DIP INSTRUMENT ix
Method of making Observations of Dip ix

MAGNETOGRAPHS x
Installation x
Attempts to create a Vacuum under the Glass Shades covering the Magnets . . x
Adjustment of the Magnets x
Angular Value of 1 *Division of the Scales and* 1 *Millimetre of the Ordinates* . . xi
Value of 1 *Millimetre of Horizontal Force and Vertical Force Ordinates in Metric Measure (C.G.S. Unit)* xii
Alterations to Declination and Vertical Force Magnetometers xii
Temperature Coefficient of the Horizontal Force and Vertical Force Magnets . . xiii

MAGNETIC REDUCTIONS:

Method of Standardising the Photographic Records xiv
Dislocation produced by strengthening the Declinometer Pillar xiv
Probable Error of a Single Determination of Declination and Horizontal Force . . xiv
Computation of Vertical Force and Total Force xiv
Method of deducing the Diurnal Variation of Magnetic Declination, Horizontal Force and Vertical Force: Days of Magnetic Disturbance xiv
Mean Daily Values of Magnetic Declination and Horizontal Force xiv
Daily Range of Magnetic Declination, Horizontal Force and Vertical Force . . . xv
Description of Magnetic Disturbances xv

INTRODUCTION—*concluded.*

PAGE

METEOROLOGICAL INSTRUMENTS:

SELF-RECORDING INSTRUMENTS . . . . . *xvi*

Alterations to Barograph . . . . . *xvi*

STANDARD BAROMETER . . . . . *xvii*

Its Position: its Corrections . . . . . *xvii*

Comparison with Kew Standard . . . . . *xvii*

DRY AND WET BULB THERMOMETERS . . . . . *xviii*

Thermometers in Thermograph Screen . . . . . *xviii*

In the Principal Computing Room . . . . . *xviii*

In a Stevenson Screen . . . . . *xviii*

RADIATION THERMOMETERS . . . . . *xviii*

EARTH THERMOMETERS . . . . . *xix*

COMPARISON OF THERMOMETERS . . . . . *xix*

RAIN GAUGES . . . . . *xxi*

EVAPOROMETER . . . . . *xxi*

OZONOMETER . . . . . *xxi*

SUNSHINE RECORDER . . . . . *xxii*

ACTINOMETER . . . . . *xxii*

NEPHOSCOPE . . . . . *xxii*

METEOROLOGICAL REDUCTIONS:

Method of Standardising the Measures of the Photographic Records . . . . *xxiii*

Daily Results of the Meteorological Elements . . . . . *xxiii*

Weather Notation . . . . . *xxiv*

Monthly Results of Meteorological Elements . . . . . *xxv*

Highest and Lowest Barometer Readings . . . . . *xxv*

Monthly Mean Values of the Meteorological Elements at each Hour of the Day . . *xxv*

Direction of Motion of the Various Types of Clouds . . . . . *xxv*

Changes of the Direction of the Wind . . . . . *xxv*

Method of Reducing Actinometric Observations . . . . . *xxv*

Rainfall at Various Stations . . . . . *xxvii*

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS:—

RESULTS OF MAGNETICAL OBSERVATIONS:

TABLE I.—Determinations of Magnetic Declination . . . . . (ii)

TABLE II.—Determinations of Horizontal Magnetic Force . . . . . (iv)

TABLE III.—Results of Observations of Magnetic Dip . . . . . (vi)

TABLE IV.—Mean Monthly Values of Magnetic Dip . . . . . (viii)

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS—*continued.*

PAGE

TABLE V.—Mean Monthly Values of Magnetic Declination, Horizontal Force, Vertical Force, and Total Force . . . . . (viii)

TABLE VI.—Mean Magnetic Declination West for each Civil Day . . . . . (ix)

TABLE VII.—Monthly Mean Diurnal Inequality of Magnetic Declination West . . . (ix)

TABLE VIII.—Mean Horizontal Magnetic Force for each Civil Day . . . . (x)

TABLE IX.—Monthly Mean Diurnal Inequality of Horizontal Magnetic Force . . . (x)

TABLE X.—Mean Temperature for each Civil Day within the Glass Shade covering the Horizontal Force Magnet . . . . . (xi)

TABLE XI.—Monthly Mean Diurnal Inequality of Vertical Magnetic Force . . . (xi)

TABLE XII.—Diurnal Range of Magnetic Declination, Horizontal Force, and Vertical Force . (xii)

TABLE XIII.—Monthly Mean Temperature at 8^h, 10^h, 13^h, and 16^h within the Glass Shades covering the Horizontal Force and Vertical Force Magnets . . . . . (xii)

TABLE XIV.—Hourly Variations of Horizontal Magnetic Force, above or below the Mean for the Month, on Days of Magnetic Disturbance . . . . . (xiv)

MAGNETIC DISTURBANCES:

Brief Description of Magnetic Disturbances in Declination, Horizontal Force, and Vertical Force . . . . . (xv)

RESULTS OF METEOROLOGICAL OBSERVATIONS:

Daily Results of Meteorological Observations . . . . . (xx)
Monthly Results of the Meteorological Elements . . . . . (xliv)
Monthly Normals of the Meteorological Elements . . . . . (xlv)
Highest and Lowest Readings of the Barometer . . . . . (xlvi)
Monthly Mean Barometric Pressure at every Hour of the Day . . . . . (xlvii)
Monthly Mean Diurnal Inequality of Barometric Pressure, 1875–1900 . . . . (xlvii)
Monthly Mean Temperature of the Air at every Hour of the Day . . . . . (xlviii)
Monthly Mean Temperature of Evaporation at every Hour of the Day . . . . (xlviii)
Monthly Mean Temperature of the Dew Point at every Hour of the Day . . . . (xlix)
Monthly Mean Degree of Humidity at every Hour of the Day . . . . . (xlix)
Monthly Mean Elastic Force of Vapour Tension at every Hour of the Day . . . (l)
Total Amount of Sunshine registered in each Hour of the Day in each Month . . . (l)
Total Amount of Rain collected in each Hour of the Day in each Month . . . . (li)
Total Duration of Rainfall in each Hour of the Day in each Month . . . . . (li)
Monthly Mean North and East Components of the Wind at every Hour of the Day . . (lii)
Monthly Mean Direction of the Wind at every Hour of the Day as derived from the North and East Components . . . . . (liii)
Monthly Mean Velocity of the Wind at every Hour of the Day as derived from the North and East Components . . . . . (liii)

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS—*concluded.*

PAGE

Monthly Mean Velocity of the Wind as recorded by the Beckley Anemograph . . . . (liv)
Number of Hours of Prevalence of each Wind referred to Different Points of Azimuth . (liv)
Monthly Mean Amount of Cloud at every Hour of the Day . . . . . (lv)
Direction of Motion of the Various Types of Cloud . . . . . (lv)
Abstract of Changes of the Direction of the Wind . . . . . (lvii)
Actinometric Observations . . . . . (lix)
Approximate Altitudes of Rainfall Stations above Mean Sea-level and the Names of the Observers . . . . . (lx)
Monthly and Yearly Rainfall at Various Stations in Mauritius . . . . . (lxi)

APPENDIX.—List of Earthquakes recorded in the Year 1904 . . . . . (lxvi)

Plate.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

1904.

MAURITIUS MAGNETICAL AND METEOROLOGICAL OBSERVATIONS, 1904.

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 the Standard barometer, Newman No. 128, and the Standard mean solar clock, Dent No. 1,686. There are also 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.

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 east rooms serving as a library and the west as sleeping apartments. On the second floor is an attic, in which are three doors opening into domes and a staircase leading to the roof, upon which is mounted the Campbell-Stokes sunshine recorder. In the North-East Dome is a 6-inch equatorial by Cooke, and in the South Dome the old transit instrument by Troughton and Simms, and a sidereal clock by Parkinson and Frodsham. 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.

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 and barograph, and 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 serve as a means of communication between the Magnet Basement and the Photographic Room. 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.

In the year 1875 a small wooden building for absolute magnetic observations was erected 240 feet to the north-west of the Main Building, and 180 feet to the west of the Magnetic Observatory. 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 determining the azimuth of what is known as the Magnetic Mark. 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.

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.

About midway between the Photoheliograph Dome and the Magnetic Observatory is the Seismograph Room, a wooden building 12 feet square and 18 feet high, erected originally for the reception of an Electrometer in 1894. A circulation of air is maintained by three 9-inch ventilating tubes, so arranged that no direct rays of light can penetrate into the room; two project outwards through the north and west walls respectively, at a distance of 9 inches from the ground, and the third passes through the roof. The instrument was first mounted on a

small brick pillar built up from the floor, which is of concrete; but it was found that a more substantial foundation was necessary, and in the month of November 1899 the floor was broken and a hole dug 6 feet deep by 4 feet square; this was filled up with 4 feet of concrete, and the instrument now rests on a tapering column rising from the concrete base to a height of 4 feet above the ground, without touching the earth on any side. In the month of March 1900 the room was completely enclosed by a straw thatching, allowing an air space of 3 feet on every side; by this means the daily range of temperature to which the instrument is subjected has been considerably reduced.

At a distance of 48 feet to the south of the Seismograph Room is a small wooden hut erected in the year 1885 for the Balfour Stewart Actinometer. The instrument is mounted on a stone pier of 18 inches diameter at base tapering to 12 inches at the top, and exposure to the sun's rays is effected by means of a divided roof, one half of which opens towards the north and the other towards the south.

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 thermomters; (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.

Absolute values of magnetic declination and horizontal force are determined, as a rule, four times a month, and of dip, eight times a month. 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 and meteorological records are measured at each hour of Mauritius Civil Time, and the records of the seismograph at each hour of Greenwich 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 and one print of each forwarded to the Secretary of the Solar Physics Committee, London; one print is retained.

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.

The meteorological observations made at Seychelles, Rodrigues, the Botanical Gardens (Pamplemousses), the Nursery Gardens (Curepipe), Lynnwood (Moka), 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 1904 the Staff consisted of Mr. A. Walter, Chief Assistant, Mr. A. N. Figon, Second Assistant, with usually five extra assistants.

§ III.—*Magnetic Instruments.*

The Magnetic instruments in use at the Observatory are all 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 declination and 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.
In the Declination magnet (24 B) - -	" "	= 1′·81.

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 $= \mu = 5{\cdot}20210$.

The moment of inertia of magnet = K. At temperature 0° Centigrade log. K = 2·43255, and at temperature 40° Centigrade log. K = 2·43298.

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

The value of P in the expression $P = (A_1 - A_2) \Big/ \left(\frac{r_1^2}{A_1} - \frac{r_2^2}{A_2}\right)$ 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 formed for each month by the formula $b_1 = (a + 2b + c)/4$: where a, b, c, are the means of the observed values of P in each month.

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.

A determination of Absolute Declination is made as follows:—On the day previous to that on which the observations are to be taken the position of the plummet is noted from time to time, and the torsion head turned until the axis of the plummet lies in the magnetic meridian; the instrument being already adjusted in this respect. After the magnet is placed in position, the instrument is turned in azimuth until the middle scale division is approximately bisected by the vertical wire in the telescope. The azimuth circle is then clamped and both its verniers read, after which six scale readings are obtained with the magnet alternately erect and inverted; finally the reading of the horizontal circle is checked. The circle reading of the Magnetic Meridian is obtained by adding to the observed circle reading half the excess of the erect over the inverted scale readings; and that of the Astronomical Meridian by observation of what is known as the Magnetic Mark, a white vertical line painted on a stone column distant 150 yards due South of the instrument.

The azimuth of this mark is determined in the manner described in the "Introduction to the Magnetical and Meteorological Observations for the Year 1900." A constant value of 1′·25 (West) has been used throughout the year 1904.

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 in Table III. 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.

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 at 8^h, 10^h, 13^h, and 16^h.

Several attempts were made in the years 1886 and 1887 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.

From 1901 June 26 to July 5 further attempts were made to exhaust the air from the glass shade of the declination magnetometer. The instrument was dismounted and all joints cleaned and sealed with india-rubber solution, but notwithstanding the precautions taken it was found impossible to make the shade air-tight. The pressure was reduced temporarily to 5 inches on several occasions.

On July 2 the suspension thread of the declination magnet was renewed, and torsion removed 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 was obtained with bar up or magnet up.

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 as described in the previous paragraph; 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 above adjustment was last made on 1901 December 26.

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 scales, the curvature of which makes each division equidistant from their respective mirrors.

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 1904 are as follows:—

Date 1904.	Value of 1 Millimetre of Ordinate (C.G.S. Unit).	
	Horizontal Force.	Vertical Force.
January 25	0·0000300	0·0000342
February 17	0·0000606	..
March 11	0·0000577	..
April 4	0·0000580	..
May 5	0·0000323	0·0000612
June 10	0·0000323	0·0000582
July 13	0·0000323	0·0000563
August 6	0·0000320	0·0000615
September 10	0·0000327	0·0000563
October 13	0·0000328	0·0000528
November 3	0·0000325	0·0000516

The horizontal force magnet was adjusted on February 16 and April 4, and the vertical force magnet on April 5, August 6, and November 3.

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 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.

The vertical force magnetometer was similarly modified on August 16; except that in this instrument which is principally useful for the study of diurnal

inequality, it was not necessary to fix the slit plate. Advantage has been taken of this, and of the smallness of the variations in vertical force, to partially compensate for the extra consumption of paper in the declination registers by using one sheet of paper for four days, raising the slit by the proper amount on successive days to preserve a convenient distance between the four registers.

The discarded vertical force base-line mirror, which has been in use for only seven years, was fitted to the declination magnet on August 29, as the definition with the old declinometer mirror was not good, and with the new method of registration a sharply defined image of the slit is very necessary.

As regards the horizontal force magnetometer, from experiments made in the month of September it would appear that a new mirror must be provided before a scaled image of the slit can be satisfactorily photographed.

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-lines.

§ IV.—*Magnetic Reductions.*

The indications of the declination and horizontal force magnetometers are standardised by the absolute determinations (Tables I. and II.) which furnish apparent corrections to the photographic measures. Mean corrections are formed for each month and smoothed by the formula: $b' = (a + 2b + c)/_4$ in order to eliminate the petty irregularities due to errors of observation; daily corrections are then interpolated and applied to the mean daily values of the element as derived from the magnetograms to obtain the absolute value for each day (Tables VI. and VIII.).

The strengthening of the foundations of the instrument pillars, referred to on page *v*, caused an apparent increase of 2′·09 in declination, as shown by the change in the value of the photographic base-line; the mean value for the two months prior to the alteration being 9°·20′·45 and 9°·22′·54 for the two following months. A correction of − 2′·09 has accordingly been applied to the observed values of the declination base-line subsequent to the alteration. The change produced in the horizontal force, if any, was smaller than the probable error of observation.

From a comparison of the observed values of the photographic base-lines in the morning with the corresponding values obtained in the afternoon of the same day, it appeared that the probable error of a single determination of declination in the year 1904 was ± 0′·28 and the greatest error 1′·5. Similarly the probable error of a single determination of horizontal force was ± ·000043 (C.G.S. Unit), and the greatest error ·00017 (C.G.S. Unit).

Table III. exhibits the separate observations of dip in the several positions of the needle and instrument. The monthly mean values are collected in Table IV. and from the values of Dip (D) in this table combined with the corresponding values of horizontal force (H) given in Table II., the vertical force (V) and total force (T) have been computed from the relations

$$V = H \tan D; \; T = H \sec D.$$

The results, expressed in Metric and English Measure, are given in Table V., which includes also the Mean Monthly values of declination.

In computing the diurnal variation of magnetic declination and vertical force for the year 1904 all available days were used; but in horizontal force the following days were rejected on account of magnetic disturbance: January 5, 16, 28, 29; April 1, 2, 9, 18, 19; May 1, 12, 13, 28, 29; June 6, 15, 16; July 14; August

2, 3, 4, 30; September 25; October 28; November 2, 4, 5, 16, 25; December 9, 27. Of these 11 were days of great disturbance. April 1; May 12, 13; June 15, 16; August 29, 30; September 25; October 21; November 4, 25, 26; January 1, 2, 7, 8, 9, 10; February 5, 6, 7, 12, 13, 29; March 4, 23, 25, 29; April 4, 8, 10, 11, 13, 17, 20, 30; May 6, 7, 8, 14, 24, 27; June 5, 7, 11, 17, 27; July 1, 6, 7, 10, 13, 20; August 7, 8, 18, 21, 23, 28, 29; September 4, 6, 8, 9, 11, 12, 16, 29, 30; October 7, 8, 13, 14, 21, 22, 27, 31; November 26, 27, 29; December 3, 14, 15, 16, 21, 25, though days of slight disturbance, were used in the formation of Table IX.

The photographic curves are measured at each hour of the day, commencing with midnight and counting from 0^h to 23^h. For declination a glass scale is used, graduated to show minutes of arc, from the data given on page *xi*; but in the case of horizontal force and vertical force, where the scale value is not constant, the curves are measured with millimetre glass scales; the mean hourly ordinates in each month, and the diurnal ranges, are converted into C.G.S. units by multiplying by the scale values given on page *xii*.

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:

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

This method is equivalent to using a fresh base-line for each day's curve, inclined to the photographic base-line at an angle corresponding to the daily increase or decrease of ordinate. Any variation in the rate of change is eliminated in the monthly means.

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 in Tables VII., IX., and XI. 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.

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—

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

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 *x* daily values of vertical force are not published.

Table XII. exhibits the daily range of magnetic declination, horizontal force and vertical force on quiet days, as derived from the hourly measures of the magnetograms.

The magnetic disturbances which occurred during the year 1904 are briefly described on pages (xv) to (xvii), and the hourly variations of the disturbed element above or below the mean value for the month, and the absolute daily range, are given in Table XIV.

§ 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 the slate support for the barograph was cut, and the relative distances between the barometer, the lens, and the recording cylinder readjusted, 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 protographed 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 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 insures.

STANDARD BAROMETER.—The standard barometer, Newman No. 128, is the property of the Meteorological Society of Mauritius. It was purchased in the year 1853, and in November 1874 was mounted in its present position on a wooden stand 6 feet from the southern and 9 feet from the eastern wall of the Principal Computing Room. The instrument 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 $0^{in}\cdot575$, and of the glass cistern $2^{ins}\cdot8$. The bulb of the attached thermometer is immersed in a tube of mercury of nearly the same diameter as the barometer.

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°.

In the year 1880 the slow motion screw of the sliding rod showed signs of wear, and on account of difficulty in setting, and the accumulation of scum on the surface of the mercury in the cistern, readings were discontinued on August 31 of that year. The barometer was sent to England to be repaired in December 1890, and a new tube fitted by Messrs. Negretti and Zambra; it then gave identical readings with the Kew Standard barometer. Formerly a correction of $+0^{in}\cdot002$ was applied to the readings on account of capillarity.

From 1880 September 1 until 1883 June 23, two small demi-standard barometers, Negretti and Zambra Nos. 1189 and 1190, were used as Standards, and subsequently a larger barometer, Hicks No. 687, was used until the return of Newman No. 128, on 1891 September 25.

From two series of comparisons made in 1880 August and 1882 February, it appeared that Negretti and Zambra Nos. 1189 and 1190 read respectively $0^{in}\cdot0190$ and $0^{in}\cdot0144$ lower than Newman No. 128; while in 1875 they read $0^{in}\cdot002$ and $0^{in}\cdot006$ higher than the Kew Standard, indicating that Newman No. 128 read $0^{in}\cdot0207$ too high. This was confirmed in 1883 June by comparisons between the

Negretti and Zambra barometers and Hicks No. 687, a newly received Standard barometer, which in 1882 read $0^{in}\cdot004$ lower than the Kew Standard; and again by comparisons between Hicks No. 687 and Newman No. 128 on its return in 1891. A somewhat elaborate discussion of the photographic records of the Barograph showed that the index errors of the several barometers had remained sensibly constant while in use as Standards, and that to reduce the observations to a uniform standard (Newman No. 128, after repair) a correction of $+0^{in}\cdot0048$ should be applied to the readings of Hicks No. 687, $+0^{in}\cdot0011$ to the mean of Negretti and Zambra Nos. 1189 and 1190, and $-0^{in}\cdot0158$ to Newman No. 128, when in use from 1875–1880.

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. 1355333 and Negretti and Zambra 65011, 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. A discussion of the errors of these thermometers is given in Appendix IV. to the volume of Magnetical and Meteorological Observations for the year 1898.

The values given in column 14 of the "Daily Results of Meteorological Observations" are the readings of thermometer Negretti and Zambra No. 65011, after the application of the following corrections to make them comparable with those of the former standard, Hicks No. 211682.

Reading of N. and Z. 65011	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

The terrestrial radiation thermometer, Hicks No. 89833, is a self-registering spirit minimum thermometer, the stem of which 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. 23024, 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. 12380 and 109087 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 a standard thermometer No. 701, specially constructed at the Kew Observatory. 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 1902 December, 1903 June, 1904 January, and 1904 July are given below; together with the correction adopted in the Reductions for the year 1904. The mean of three consecutive determinations is adopted as the correction for the following six months.

Exposure.	Thermometer.	Temperature during Comparisons.	Correction.					
			1902 December.	1903 June.	1904 January.	1904 July.	Adopted in 1904.	
							January to June.	July to December.
Thermograph Screen.	Dry bulb, No. 714.	65 70 73 76 83 97	−0·10 −0·10	−0·09	−0·13 −0·10	−0·13	−0·10	−0·11
	Wet bulb, No. 715.	65 70 73 76 83	−0·10 −0·14	−0·09	−0·14 −0·14	−0·14	−0·11 below 75° −0·14 above 75°	−0·12 below 73° −0·14 above 73°
62 inches below surface of ground.	Earth, No. 12380.	64 67 78 83	−0·59	−0·84	−0·60	−0·57	−0·7	−0·07
120 inches below surface of ground.	Earth, No. 109087.	64 67 78 83	−0·15	−0·40	−0·28	−0·16	−0·28	−0·28
Magnetic Pavilion.	For deflections, No. 111.	63 67 70		−0·41	−0·29		−0·35	...
	For deflections, No. 134.	63 73				−0·02 −0·18	...	−0·10
	For vibrations.	63 67 70		−1·48	−1·04	−1·34	−1·3	−1·3
On Standard Barometer.	Dry bulb, No. 70660.	67 74	−0·32			−0·28	−0·3	−0·3
On grass.	Dry bulb, No. 23024.	63 70 73		−0·57	−0·71	−0·66 −0·69	−0·6	−0·7

* 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
1904 July 1 - -	—0·02	8	73

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 11·283 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 an open window in the Principal Computing Room. 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 at the equinoxes than at the solstices, and 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 Buiding.

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 15^h; the corrections for intermediate hours being found by interpolation. As regards daily corrections, the mean of the 24 hourly corrections in each month is applied to the mean daily values of dry-bulb and wet-bulb temperatures as derived from the thermograms; but in dealing with the measures of the barograms (until August, when a scale was mounted in front of the barograph cylinder and photographed on the sheet) it was necessary to apply separate corrections for each day, as the ordinates were not measured from a fixed base-line, the zero of the tabulator being set to make the photographic reading at 9 a.m. coincident with the eye observation at that hour. In practice the mean of the corrections at 0^h, 6^h, 12^h, and 18^h was employed, provided that the mean of the monthly corrections at these hours was sensibly the same as the mean of the 24 hourly corrections, which was usually the case; otherwise a constant additional correction was applied to each daily value in the month.

Subsequently a mean daily correction to the barograph readings has been adopted for periods during which it was 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, 22, 23, and 28 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 *xvi* 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, vapour tension, and degree of humidity are deduced directly from the mean daily temperature of the air and of evaporation, by the aid of Glaisher's *Hygrometrical Tables;* they are not the means of hourly values.

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.

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 28 is given the mean daily 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 the various elements.

The monthly values of the principal meteorological elements are collected on page (xliv) and their normals given on page (xlv). In these tables the mean amounts of upper and lower clouds are given separately, the former including all varieties above the altitude of strato-cirrus. The monthly amount of rainfall as derived from the daily readings of the Glaisher gauge at 9 a.m., is 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. A clear day is one on which the mean amount of cloud is less than 3, and an overcast day one on which the mean amount of cloud is greater than 7.

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 tables of monthly mean values of the meteorological elements at each hour of the day pages (xlii) to (liv) 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 the table "Direction of Motion of the Various Types of Cloud," pages (lv) and (lvi), 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 of the Direction of the Wind," pages (lvii) and (lviii), 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 (lix), 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

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

The values of P given on page (lix) are the means of from 3 to 7 consecutive determinations, and the altitudes are the means of usually three observations; the barometer readings are derived from the photographic records. From these data the transmissibility of the air has been deduced by the formula:—

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

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 (lix), which are therefore affected by variations in P_0 and the sensibility of the instrument.

The variability of x is clearly shown on certain days when observations of high and low sun are available. The equations are then indeterminate, and the results obtained on the assumption that x has the same value in each equation are erroneous. If it is greater with high sun, the value of x obtained by comparing high and low sun observations will be too small, and consequently the value of P_0 will be too large, and *vice versâ*. The extreme cases observed in the year 1904 were on March 4 and May 14. On the former date observations were made at 9^h, noon, and 15^h. Combining the first and second sets gave $x = \cdot 737$ and $P_0 = 13°\cdot 10$; but using $P_0 = 11°\cdot 21$ in each equation gave ·834, ·866, and ·838 as the values of x at 9^h, noon, and 15^h respectively. On May 14 the values of x and P_0 obtained by combining observations made at 8^h with those made at noon were ·916 and 10°·24 respectively; but using $P_0 = 11°\cdot 21$ in both equations gave ·882 and ·853 as the values of x at 8^h and noon respectively.

The mean values of x and P_0 derived from observations of high and low sun on 28 days in the year 1904 were ·831 and 11°·57 respectively.

The Rainfall tables, pages (lxi) to (lxvi), have been compiled from information kindly furnished by the proprietors of sugar estates, and other amateur observers. An asterisk denotes that the value given has been inferred from the returns of one or more neighbouring estates. 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 1904.

T. F. CLAXTON.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

RESULTS

OF

MAGNETICAL OBSERVATIONS.

1904.

TABLE I.—DETERMINATIONS of MAGNETIC DECLINATION in the YEAR 1904.

Mauritius Civil Time, 1904.	Observer.	Circle Reading.	Correction to Zero Reading.	Correction for Torsion.	Circle Reading Corresponding to Zero.	Adopted Circle Reading of South Astronomical Meridian.	Corrected Declination (West).	Magnetograph.	Correction to Magnetograph.	Mean.	Adopted* Monthly Correction to Magnetograph.	Magnetograph. Mean for Month.	Mean Monthly Declination (West).
							9° +	9° +				9° +	9° +
Jan. 15.13.28	W.	76°.59′.92	+19′.01	−0′.27	77°.18′.66	86°.31′.29	12′.63	11′.00	+1′.63	′	′	′	′
15.16.10	W.	76.59·92	+16·88	0·00	77.16·80	86.31·29	14·49	12·90	+1·59	+1·29	−0·71	14·11	13·40
28.12. 2	W.	77. 0·29	+13·78	0·00	77.14·07	86.30·44	16·37	15·10	+1·27				
28.15.33	W.	77. 0·33	+17·38	0·00	77.17·71	86.30·44	12·73	12·05	+0·68				
Feb. 15.13.10	W.	76.59·83	+18·80	0·00	77.18·63	86.30·42	11·79	11· 0	+0·79				
15.16.26	W.	76.59·75	+16·36	0·00	77.16·11	86.30·42	14·31	13·70	+0·61	+0·80	−1·12	14·84	13·72
27.16.14	W.	76.59·54	+18·31	0·00	77.17·85	86.30·65	12·80	11·80	+1·00				
March 16. 9.19	W.	77. 0·46	+ 9·01	0·00	77. 9·47	86.30·15	20·68	19·80	+0·88				
16.16.44	W.	77. 0·17	+16·02	0·00	77.16·19	86.30·15	13·96	13·05	+0·91	+0·58	−1·37	14·32	12·95
29.12.11	W.	76.59·71	+15·99	0·00	77.15·70	86.29·58	13·88	13·80	+0·08				
29.14. 3	W.	77. 0·44	+17·25	−0·36	77.17·33	86.29·58	12·25	11·80	+0·45				
April 16. 7.29	W.	77. 0·12	+13·93	0·00	77.14·05	86.29·48	15·43	14·95	+0·48				
16.11.19	W.	76.59·92	+15·00	0·00	77.14·92	86.29·48	14·56	13·90	+0·66	+0·78	−1·30	14·22	12·92
27.12.20	W.	77. 0·00	+14·15	0·00	77.14·15	86.29·90	15·75	14·40	+1·35				
27.16. 1	W.	77. 0·13	+17·73	0·00	77.17·86	86.29·90	12·04	11·40	+0·64				
May 18. 8.34	W.	77. 0·38	+11·80	0·00	77.12·18	86.30·13	17·95	16·40	+1·55				
18.13.36	W.	77. 0·42	+17·29	0·00	77.17·71	86.30·13	12·42	11·60	+0·82	+0·97	−1·20	14·06	12·86
31. 7.58	W.	76.59·75	+14·98	+0·71	77.15·44	86·29·69	14·25	13·10	+1·15				
31·14. 0	W.	76.59·83	+15·85	+0·71	77.16·39	86.29·69	13·30	12·95	+0·35				
June 17. 8.55	W.	76.59·50	+14·93	+0·71	77.15·14	86.29·29	14·15	13·00	+1·15				
17.12. 3	W.	77. 2·00	+11·61	+0·35	77.13·96	86.29·29	15·33	15·00	+0·33	+0·85	−1·10	13·61	12·51
30.10.52	W.	77. 0·00	+12·07	0·00	77.12·07	86.29·21	17·14	15·40	+1·74				
30.14.16	W.	77. 0·50	+14·31	+0·71	77.15·52	86.29·21	13·69	13·50	+0·19				

The initial W. is that of Mr. Walter.

* The adopted correction to magnetograph includes a correction of − 2′·09 as mentioned on page *xiv* of the Introduction.

TABLE I.—*continued*—DETERMINATIONS of MAGNETIC DECLINATION in the YEAR 1904.

Mauritius Civil Time. 1904.	Observer.	Circle Reading.	Correction to Zero Reading.	Correction for Torsion.	Circle Reading corresponding to Zero.	Adopted Circle Reading of South Astronomical Meridian.	Corrected Declination (West).	Magnetograph.	Correction to Magnetograph.	Mean.	Adopted* Monthly Correction to Magnetograph.	Magnetograph. Mean for Month.	Mean Monthly Declination (West).
							9° +	9° +				9° +	9° +
d h m		° ′	′	′	° ′	° ′	′	′	′	′	′	′	′
July 18. 9.58	W.	77. 0·0	+12·48	+1·05	77.13·53	86.30·12	16·59	14·95	+1·64				
18.13.41	W.	77. 0·67	+15·79	+1·05	77.17·51	86.30·12	12·61	11·95	+0·66	+1·40	−0·75	13·27	12·52
28.10.38	W.	76.59·92	+13·26	+0·72	77.13·90	86.29·73	15·83	13·95	+1·88				
28.13.26	W.	76.59·92	+16·07	+0·72	77.16·71	86.29·73	13·02	11·60	+1·42				
Aug. 19.11.18	W.	76.59·92	+11·23	0·00	77.11·15	86.30·35	19·20	16·90	+2·30	+2·10			
19.13.43	W.	76.59·67	+18·06	−0·38	77.17·35	86.30·35	13·00	11·10	+1·90				
29.11.47	W.	76.59·92	+ 9·75	+0·22	77. 9·89	86.30·15	20·26	..	..		−0·45	12·88	12·43
30. 8.10	W.	77. 0·00	+15·11	0·00	77.15·11	86.30·15	15·04	..	..				
31.12.10	W.	76.59·92	+13·07	−0·27	77.12·72	86.30·15	17·43	..	..				
Sept. 16.11.52	W.	77. 0·00	+12·01	+0·58	77.12·59	86.30·17	17·58	19·90	−2·32				
17. 8. 7	W.	77. 0·42	+15·05	0·00	77.15·47	86.30·33	14·86	17·10	−2·24				
19.11. 3	W.	77. 0·00	+12·46	0·00	77.12·46	86.30·79	18·33	20·80	−2·47	−2·42	−4·80†	16·79	11·99
20.13. 3	W.	77. 0·00	+16·40	0·00	77.16·40	86.30·17	13·77	16·40	−2·63				
27.12.36	W.	77. 0·00	+20·22	0·00	77.20·22	86.30·33	10·11	13·30	−2·19				
28. 9.13	W.	77. 0·25	+13·81	−0·19	77.13·87	86.30·00	16·13	18·80	−2·67				
Oct. 19.11. 1	W.	77. 0·00	+14·93	0·00	77.14·93	86.32·12	17·19	18·20	−1·01				
22. 9. 3	W.	77. 0·00	+15·18	0·00	77.15·18	86.31·67	16·49	18·00	−1·51	−1·03	−4·50	16·07	11·57
31.11.11	W.	77.13·25	−0·35	0·00	77.12·90	86.28·52	15·62	16·20	−0·58				
Nov. 12.10.57	W.	77.10·67	−0·53	−0·16	77. 9·98	86.29·30	19·32	19·00	+0·32				
12.12. 0	W.	77.12·67	+0·46	−0·35	77.12·78	86.29·30	16·52	16·00	+0·52	+0·50	−4·50	16·10	11·60
26.11.45	W.	77.17·12	+0·56	−0·12	77.17·56	86.29·33	11·77	11·10	+0·67				
Dec. 15.13.52	W.	78. 4·63	+1·08	0·00	78. 5·71	87.18·54	12·83	13·10	−0·27				
15.15.25	W.	77·18·50	−2·17	0·00	77.16·33	86.29·61	13·28	13·40	−0·12	−0·67	−4·50	16·36	11·86
27.13.51	W.	77.18·08	−0·61	+0·32	77.17·79	86.29·04	11·25	12·50	−1·25				
27·14.51	W.	77.17·83	+0·93	+0·32	77.19·08	86.29·04	9·96	11·00	−1·04				
Mean	..	..	..	..	..	..	..	..	..	..	..	..	9°.12′·53

The initial W. is that of Mr. Walter.

* The adopted correction to magnetograph includes a correction of − 2′·09 as mentioned on page *xiv* of the Introduction.
† Magnetograph adjustments between August 19 and September 16.

TABLE II.—DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1904.

Mauritius Civil Time, 1904.		Deflecting Magnet.				Observed Deflection.		Temperature Centigrade.	Observer.
		Observed Time of one Vibration.	Effect of 90° Torsion.	Temperature Centigrade.	Corrected Time of one Vibration.	Distance. 1·0 Foot.	Distance. 1·3 Foot.		
	d h	Secs.	′	°	Secs.	° ′	° ′	°	
January	16.12	3·7670	3·88	27·3	3·7528	13.38·00	6.10·35	27·2	W.
	16.16	3·7738	3·88	29·1	3·7583	13.39·43	6.10·88	28·9	W.
	30.13	3·7707	2·42	29·0	3·7553	13.39·11	6.10·52	28·8	W.
	30.16	3·7718	2·42	29·4	3·7562	13.39·70	6.11·07	29·2	W.
February	17.14	3·7717	2·22	31·2	3·7547	13.36·83	6.10·25	30·8	W.
	17.17	3·7732	2·22	31·2	3·7561	13.37·31	6.10·25	30·9	W.
	27.12	3·7713	2·22	30·2	3·7548	13.37·81	6.10·12	29·9	W.
	27.14	3·7729	2·22	31·3	3·7558	13.36·86	6.10·32	31·0	W.
March	16.13	3·7716	2·16	29·1	3·7561	13.37·56	6.10·30	28·8	W.
	16.15	3·7706	2·16	29·1	3·7551	13.38·20	6.10·70	28·8	W.
	30.16	3·7682	3·05	26·8	3·7547	13.38·39	6.10·73	26·8	W.
April	18.11	3·7659	4·18	25·4	3·7538	13.38·20	6.10·47	25·1	W.
	18.14	3·7687	4·18	26·1	3·7561	13.39·01	6.10·91	25·8	W.
	30. 9	3·7639	4·25	22·5	3·7538	13.39·75	6.11·38	23·8	W.
	30.14	3·7687	4·25	25·3	3·7567	13.40·55	6.11·33	25·0	W.
May	20.11	3·7685	4·25	25·8	3·7562	13.38·88	6.11·10	25·4	W.
	20.14	3·7704	4·25	26·8	3·7573	13.39·47	6.12·33	26·7	W.
	27.11	3·7666	4·16	24·6	3·7551	13.38·92	6.11·10	24·5	W.
	27.13	3·7670	4·16	25·7	3·7547	13.38·64	6.10·83	25·7	W.
	31.11	3·7633	4·25	22·0	3·7537	13.40·45	6.11·56	21·8	W.
	31.13	3·7656	4·25	23·2	3·7551	13.39·70	6.11·61	23·2	W.
June	18.11	3·7660	4·25	22·1	3·7538	13.40·85	6.11·69	21·9	W.
	18.14	3·7689	4·25	24·1	3·7578	13.39·90	6.11·40	23·8	W.
	29. 9	3·7625	4·25	19·6	3·7546	13.41·38	6.12·51	19·5	W.
	29.14	3·7662	4·25	23·6	3·7573	13.39·67	6.11·46	23·7	W.
July	19. 9	3·7640	4·25	20·5	3·7554	13.41·11	6.11·91	20·6	W.
	19.14	3·7686	4·26	24·8	3·7569	13.40·02	6.11·48	24·7	W.
	29.11	3·7641	4·26	20·9	3·7540	13.40·83	6.11·63	20·9	W.
	29.14	3·7650	4·26	22·8	3·7549	13.39·70	6.11·11	23·0	W.
August	20. 9	3·7651	3·18	20·0	3·7564	13.40·36	6.11·30	19·5	W.
	20.13	3·7693	3·18	24·1	3·7578	13.39·34	6.11·03	24·0	W.
	30.11	3·7682	3·18	23·2	3·7573	13.39·32	6.11·13	23·0	W.
	30.14	3·7697	3·18	24·7	3·7577	13.39·04	6.11·00	24·5	W.
September	19.10	3·7668	3·18	20·5	3·7578	13.40·58	6.11·43	20·4	W.
	19.14	3·7672	3·18	21·8	3·7573	13.40·18	6.11·33	21·6	W.
	29.11	3·7692	3·31	24·0	3·7578	13.39·04	6.10·93	23·8	W.
	29.14	3·7703	3·31	25·0	3·7582	13.39·02	6.11·00	24·6	W.
October	25. 9	3·7684	3·12	25·8	3·7557	13.39·57	6.10·70	25·2	W.
	26. 9	3·7690	3·12	25·4	3·7571	13.40·13	6.11·13	25·1	W.
November	11.12	3·7718	2·01	27·4	3·7575	13.37·93	6.10·62	27·0	W.
	11.14	3·7729	2·01	28·7	3·7576	13.37·50	6. 9·81	28·5	W.
December	17.13	3·7776	1·83	30·2	3·7611	13.36·27	6. 9·40	29·7	W.
	17.16	3·7776	1·83	29·0	3·7620	13.37·18	6. 9·71	28·5	W.
	28.13	3·7771	1·83	29·1	3·7614	13.37·25	6. 9·74	28·5	W.
	28.16	3·7785	1·83	29·5	3·7625	13.37·13	6.10·03	29·1	W.

The initial W. is that of Mr. Walter.

TABLE II.—*continued*—DETERMINATIONS of HORIZONTAL MAGNETIC FORCE in the YEAR 1904.

Mauritius Civil Time, 1904.	In Metric Measure (C.G.S. Unit).											In English Measure (F.G.S. Unit).
	log A_1—log A_2	Apparent Value of P.	Adopted Mean Value of P.	Observed Value of *m*.	Observed Value of *X*.	Magnetograph Reading.	Correction to Magnetograph.	Mean.	Adopted Monthly Correction.	Mean Monthly Magnetograph Reading	Mean Monthly Value of Horizontal Force *X*.	Value of Horizontal Force *X*.
d h	(—)											
Jan. 16.12	·00089	−4·68	−4·86	802·2	·23666	·23619	+·00047	+·00038	+·00039	·23602	·23641	5·1273
16.16	·00075	−3·94		802·0	·23604	·23566	+·00038					
30.13	·00050	−2·63		802·4	·23631	·23600	+·00031					
30.16	·00084	−4·42		802·7	·23612	·23577	+·00035					
Feb. 17.14	·00136	−7·17	−5·43	802·4	·23640	·23599	+·00041	+·00036	+·00034	·23604	·23638	5·1266
17.17	·00112	−5·90		802·2	·23627	·23591	+·00036					
27.12	·00071	−3·73		802·3	·23639	·23604	+·00035					
27.14	·00143	−7·54		802·0	·23637	·23604	+·00033					
March 16.13	·00106	−5·58	−5·59	802·0	·23634	·23602	+·00032	+·00036	+·00036	·23594	·23630	5·1249
16.15	·00119	−6·27		802·5	·23629	·23590	+·00039					
30.16	·00111	−5·85		802·3	·23640	·23602	+·00038					
April 18.11	·00091	−4·79	−5·59	802·0	·23659	·23616	+·00043	+·00035	+·00036	·23580	·23616	5·1218
18.14	·00100	−5·26		802·1	·23629	·23597	+·00032					
30. 9	·00118	−6·22		802·6	·23639	·23600	+·00039					
30.14	·00069	−3·63		802·4	·23611	·23585	+·00026					
May 20.11	·00130	−6·85	−6·07	802·2	·23623	·23594	+·00029	+·00028	+·00031	·23584	·23615	5·1216
20.14	·00109	−5·74		802·3	·23606	·23576	+·00030					
27.11	·00127	−6·69		802·3	·23634	·23612	+·00022					
27.13	·00112	−5·90		802·4	·23637	·23614	+·00023					
31.11	·00101	−5·32		802·7	·23637	·23599	+·00038					
31.13	·00146	−7·70		..	·23626	·23599	+·00027					
June 18.11	·00091	−4·79	−6·27	802·4	·23614	·23568	+·00046	+·00030	+·00031	·23583	·23614	5·1214
18.14	·00112	−5·90		802·1	·23606	·23567	+·00039					
29. 9	·00163	−8·60		802·9	·23618	·23596	+·00022					
29.14	·00135	−7·12		802·1	·23611	·23597	+·00014					
July 19. 9	·00109	−5·74	−5·59	802·3	·23627	·23594	+·00033	+·00044	+·00036	·23583	·23619	5·1225
19.14	·00115	−6·06		802·2	·23612	·23585	+·00027					
29.11	·00089	−4·68		802·5	·23640	·23579	+·00061					
29.14	·00088	−4·63		802·1	·23641	·23584	+·00057					
August 20. 9	·00080	−4·21	−5·19	801·3	·23645	·23596	+·00049	+·00036	+·00036	·23589	·23625	5·1238
20.13	·00097	−5·10		801·4	·23627	·23586	+·00041					
30.11	·00110	−5·79		801·4	·23633	·23610	+·00023					
30.14	·00110	−5·79		801·4	·23627	·23597	+·00030					
Sept. 19.10	·00081	−4·26	−4·58	801·1	·23634	·23611	+·00023	+·00025	+·00030	·23597	·23627	5·1242
19.14	·00089	−4·68		801·2	·23636	·23610	+·00026					
29.11	·00102	−5·37		801·0	·23637	·23608	+·00029					
29.14	·00111	−5·85		801·1	·23630	·23609	+·00021					
Oct. 25. 9	·00047	−2·47	−3·93	801·4	·23653	·23601	+·00052	+·00048	+·00036	·23589	·23625	5·1238
26. 9	·00068	−3·57		801·4	·23634	·23589	+·00045					
Nov. 11.12	·00123	−6·48	−3·97	801·0	·23643	·23617	+·00026	+·00031	+·00039	·23588	·23627	5·1242
11.14	·00053	−2·78		800·8	·23652	·23615	+·00037					
Dec. 17.13	·00067	−3·52	−3·81	799·7	·23639	·23597	+·00042	+·00047	+·00044	·23591	·23635	5·1260
17.16	·00056	−2·94		799·6	·23629	·23589	+·00040					
28.13	·00056	−2·94		799·8	·23631	·23569	+·00062					
28.16	·00096	−5·05		799·8	·23617	·23572	+·00045					
Mean	..	..	..	..	..	..	..	..	..	..	·23627	5·1242

The initial W. is that of Mr. Walter.

TABLE III.—RESULTS of OBSERVATIONS of MAGNETIC DIP made in the MAGNETIC PAVILION in the YEAR 1904.

NEEDLE No. 1.

Mauritius Civil Time, 1904.		Poles Direct (A dipping).				Poles Reversed (B dipping).				Means.	Observer.
		Face of Needle to Face of Instrument.		Face of Needle to Back of Instrument.		Face of Needle to Face of Instrument.		Face of Needle to Back of Instrument.			
		Face of Instrument.		Face of Instrument.		Face of Instrument.		Face of Instrument.			
		East.	West.	West.	East.	East.	West.	West.	East.		
	d h	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	
January	4. 9	54.43·8	51.57·8	54.35·0	52. 7·8	52.58·3	56. 0·8	53.25·8	55.55·0	53.38·0	F.
	29. 9	54.17·3	52. 3·2	54.33·7	52. 8·3	53. 9·3	56. 1·3	53.19·2	55.43·0	53.54·4	F.
February	2. 9	54.42·0	51.58·5	54.18·0	52. 9·5	53. 8·3	55.37·0	53.18·3	55.36·2	53.51·0	F.
	26. 9	54.38·0	51.56·3	54.31·0	52. 4·3	53. 6·0	55.56·7	53.25·8	55.43·8	53.55·2	F.
March	2. 9	54.29·2	51.53·7	54.39·8	52. 2·0	53. 3·8	55.53·5	53.20·8	55.38·7	53.52·7	F.
	28. 9	54.21·5	51.49·2	54.36·8	51.57·8	53. 5·0	55.46·7	53.25·8	55.45·5	53.50·8	F.
April	2.13	54.24·2	51.58·3	54.30·8	51.59·5	52.57·7	55.37·8	53.22·5	55.47·3	53.49·8	F.
	28. 9	54.38·3	51.50·2	54.32·8	51.55·8	52.54·7	55.41·0	53.15·5	55.42·0	53.48·8	F.
May	3. 9	54.30·0	52.15·2	54.26·8	52. 1·2	53. 8·5	55.47·5	53.14·0	55.34·7	53.52·2	F.
	28. 9	54.33·2	51.56·8	54.26·3	52. 2·2	53. 8·5	55.41·0	53.14·5	55.35·7	53.49·8	F.
June	4.13	54.24·5	51.50·3	54.23·7	51.51·7	53.14·0	55.36·5	53.20·3	55.33·7	53.46·8	F.
	28. 9	54.28·7	52. 0·3	54.30·3	51.52·2	52.56·8	55.32·8	53.20·8	55.33·0	53.46·9	F.
July	2. 9	54.11·5	51.44·5	54.32·0	52. 2·7	53. 4·7	55.41·2	53.18·7	55.35·8	53.46·4	F.
	28.15	54.27·3	51.58·0	54.30·0	52.11·3	53. 6·5	55.37·8	53.16·2	55.43·3	53.51·3	F.
August	2.12	54.23·8	51.49·7	54.31·8	51.51·0	53. 5·5	55.44·8	53.21·2	55.39·7	53.48·4	F.
	27. 9	54.38·8	51.56·2	54.29·3	51.54·3	53.14·8	55.36·0	53.24·3	55.38·0	53.51·5	F.
September	2. 9	54.26·7	51.55·5	54.22·3	52. 5·3	53. 6·0	55.39·2	53.20·8	55.33·5	53.48·7	F.
	27. 9	54.38·2	51.51·3	54.32·7	52.13·0	53. 6·7	55.40·3	53.19·0	55.37·0	53.52·3	F.
October	1. 9	54.34·8	51.50·3	54.26·2	52.10·3	53.12·2	55.32·8	53.24·5	55.32·2	53.50·4	F.
	28. 9	54.42·8	51.45·7	54.35·8	52. 7·3	53. 7·8	55.44·8	53.20·3	55.36·8	53.52·7	F.
November	3. 9	54.32·0	51.51·3	54.32·0	51.42·2	53. 8·2	55.42·3	53.21·3	55.23·7	53.46·6	F.
	28. 9	54.25·8	51.55·2	54.23·7	52. 3·7	53. 7·3	55.44·5	53.23·7	55.36·0	53.50·0	F.
December	2. 9	54.40·2	51.30·7	54.30·0	51.55·8	53. 9·8	55.50·8	53.32·0	55.30·3	53.50·0	F.
	29. 9	54.24·8	51.43·5	54.31·0	51.55·8	52.57·7	55.38·0	53.27·3	55.39·8	53.47·2	F.

NEEDLE No. 2.

	d h	° ′	° ′	°	° ′	° ′	° ′	° ′	°	° ′	
January	7. 9	54. 5·3	53.47·8	53.58·5	53.54·2	53.53·3	53.48·3	54. 0·5	53.56·6	53.55·6	F.
	25. 9	53.53·2	53.50·2	53.51·7	53.51·7	53.51·7	53.47·0	54. 0·3	54. 1·0	53.53·3	F.
February	6. 9	53.53·3	53.58·8	53.52·3	54. 3·2	53.55·0	53.55·2	54. 4·5	53.49·3	53.56·4	F.
	24. 9	53.53·2	53.57·5	53.54·8	53.55·5	53.53·2	53.49·0	53.58·7	53.51·0	53.54·1	F.
March	7. 9	53.52·5	53.55·5	53.59·2	53.57·3	53.58·8	53.44·5	53.59·7	53.52·8	53.55·0	F.
	25. 9	53.54·8	53.52·2	53.54·8	53.45·2	53.56·5	53.47·2	53.55·8	53.54·2	53.52·6	F.
April	7. 9	53.57·0	53.48·3	54. 1·0	53.53·0	53.54·8	53.48·8	53.57·8	53.53·0	53.54·2	F.
	25.10	53.55·0	53.55·3	53.58·8	54. 1·8	53.58·2	53.53·7	54. 0·5	53.46·0	53.56·2	F.
May	6. 9	54. 2·0	53.53·2	53.50·8	53.53·0	54. 1·0	53.43·8	54. 5·7	53.54·7	53.55·5	F.
	25. 9	53.47·0	53.55·2	53.53·8	54. 5·7	53.55·5	53.51·3	54. 1·2	53.54·5	53.55·5	F.
June	7. 9	53.48·5	53.48·2	53.56·2	54. 1·3	53.58·0	53.48·3	54. 1·3	53.53·5	53.54·4	F.
	24. 9	53.49·7	53.52·5	53.54·8	54.11·3	53.57·5	53.48·3	53.54·2	53.45·2	53.54·2	F.
July	6. 9	53.53·2	53.46·8	53.58·5	53.51·5	53.53·7	53.47·0	53.45·8	53.53·2	53.51·2	F.
	25. 9	53.53·8	53.52·8	53.54·2	53.51·6	53.57·7	53.38·3	53.56·4	53.43·3	53.51·0	F.
August	6. 9	53.44·8	53.58·7	53.50·0	53.57·0	53.50·0	54. 0·7	53.51·8	53.44·5	53.52·2	F.
	26. 9	53.52·2	53.45·7	54. 0·5	53.55·7	53.57·8	53.42·8	54.16·3	53.47·7	53.54·8	F.
September	6. 9	53.53·0	53.47·3	53.56·8	54. 5·5	53.51·2	53.43·7	53.53·7	53.58·0	53.53·6	F.
	24. 9	53.46·5	53.48·3	54. 0·3	54.10·2	53.50·8	53.46·3	54. 0·3	53.58·3	53.55·1	F.
October	6. 9	53.54·2	53.49·7	53.57·2	53.51·0	53.55·8	53.46·3	54. 5·0	53.51·7	53.53·8	F.
	24. 9	53.55·3	53.58·7	53.51·7	54. 9·0	53.54·8	53.48·7	53.58·8	53.55·0	53.56·5	F.
November	7. 9	53.42·0	53.57·8	53.51·0	53.55·8	54. 0·7	53.56·3	54. 1·3	53.48·8	53.54·2	F.
	24. 9	53.43·5	54. 0·0	53.53·0	53.58·3	53.55·3	53.53·2	53.59·3	53.35·5	53.52·3	F.
December	7. 9	53.44·8	53.54·8	53.58·8	53.49·2	53.52·8	53.49·2	54. 8·0	53.41·3	53.52·4	F.
	24. 9	53.52·2	53.52·3	53.49·5	54. 5·2	53.57·3	53.50·0	53.59·7	53.49·0	53.54·4	F.

The initial F. is that of Mr. Figon.

TABLE III.—(*continued*)—RESULTS of OBSERVATIONS of MAGNETIC DIP made in the MAGNETIC PAVILION in the YEAR 1904.

NEEDLE No. 3.

Mauritius Civil Time, 1094.		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.	Observer.
	d h	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	
January	11. 9	53.38·0	54. 9·3	53.48·2	54. 9·7	54. 5·3	54. 3·8	54.13·2	54. 1·8	54. 1·2	F.
	21. 9	53.43·7	54. 9·2	53.50·8	54. 2·2	54.12·5	54. 7·0	54.12·7	54. 1·3	54. 2·4	F.
February	11. 9	53.32·8	54. 7·0	53.47·5	53.53·3	54. 5·0	54. 2·5	54.11·7	54. 1·2	53.57·6	F.
	20. 9	53.26·7	54.20·3	53.46·0	53.54·0	54. 7·3	53.57·0	54.10·8	54. 6·0	53.58·5	F.
March	11. 9	53.41·8	54.10·0	53.54·5	53.56·7	54. 7·3	53.58·7	54.11·8	54. 1·5	54. 0·3	F.
	22.12	53.41·5	53.58·2	53.54·7	53.52·3	53.59·7	54. 3·2	54.12·0	54. 1·3	53.57·9	F.
April	11.10	53.40·5	54. 5·2	53.54·7	53.50·8	53.56·7	54. 1·5	54.17·2	54. 4·2	53.58·8	F.
	21. 9	53.40·2	54. 3·5	53.48·7	53.50·8	53.54·8	54. 1·7	54. 5·8	54. 8·0	53.56·7	F.
May	10.10	53.39·0	53.59·0	53.47·3	53.48·2	53.54·3	54. 3·8	54. 6·8	54.10·2	53.56·1	F.
	21.13	53.38·2	54. 2·0	53.50·5	53.58·7	53.58·5	53.59·7	54.15·2	53.53·0	53.57·0	F.
June	10. 9	53.27·2	54. 4·7	53.42·3	54. 2·0	53.59·3	53.56·8	54. 7·8	54. 5·8	53.55·7	F.
	20.10	53.37·8	54. 4·7	53.44·5	54. 1·7	54. 2·0	54. 0·2	54. 8·0	54. 2·3	53.57·6	F.
July	11. 9	53.46·7	53.57·2	53.47·3	53.49·2	53.53·7	53.59·5	54. 2·5	54. 4·3	53.55·0	F.
	20. 9	53.38·8	53.59·8	53.46·3	53.41·7	53.57·7	53.49·7	54. 7·3	53.58·3	53.52·5	F.
August	10. 9	53.39·3	54. 3·3	53.46·3	53.51·2	53.55·7	53.55·5	54. 6·7	53.55·2	53.54·1	F.
	22. 9	53.34·8	53.59·5	53.38·3	53.56·0	53.52·3	54. 3·2	53.59·3	54. 9·5	53.54·1	F.
September	10.13	53.36·5	54. 4·0	53.49·0	53.49·7	53.53·2	53.58·5	54. 6·2	54. 6·2	53.55·4	F.
	21. 9	53.31·2	54. 6·3	53.46·5	53.47·7	53.50·8	53.52·0	54. 9·0	54.57·0	53.52·6	F.
October	10. 9	53.38·8	53.57·5	53.49·0	53.50·3	53.52·5	53.59·0	54. 6·5	54. 4·5	53.54·8	F.
	20. 9	53.29·0	54. 3·2	53.51·7	53.48·0	53.56·7	53.58·3	54. 7·5	54. 4·8	53.54·9	F.
November	11. 9	53.31·2	53.55·2	53.51·5	53.49·3	53.57·1	53.57·2	54. 1·5	54. 5·3	53.53·5	F.
	21. 9	53.37·0	53.55·0	53.51·5	53.54·7	53.58·3	53.55·2	54. 9·0	53.50·5	53.53·9	F.
December	10. 9	53.37·7	53.51·5	53.47·8	53.59·3	53.55·8	54. 0·3	54. 0·0	53.59·3	53.54·0	F.
	20. 9	53.42·3	53.53·5	53.48·5	53.58·8	53.59·8	53.59·8	54. 2·3	54. 7·2	53.56·5	F.

NEEDLE No. 4.

	d h	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	
January	14. 9	53.36·7	52.54·2	53.57·7	52.38·0	54. 3·2	55. 2·5	54.14·7	55. 9·2	53.57·0	F.
	18. 9	53.38·2	52.46·7	54. 0·3	52.53·3	54.18·7	55. 1·3	54.16·0	55.20·0	54. 1·8	F.
February	13. 9	53.30·5	53. 0·8	53.45·8	52.40·8	54.13·8	55. 5·0	54.15·3	55.11·2	53.57·9	F.
	17.15	53.39·3	52.44·3	54. 5·7	52.42·3	54.24·5	55.10·7	54.13·8	55.16·2	54. 2·1	F.
March	14. 9	53.45·0	52.38·8	54. 4·3	52.45·3	54.19·8	55. 8·7	54.20·3	55.18·0	54. 2·5	F.
	18. 9	53.40·0	52.30·7	54. 2·8	52.35·2	54. 3·8	55.10·0	54.17·3	55.16·8	53.57·1	F.
April	14. 9	53.36·3	52.43·2	53.50·7	52.41·0	54.11·5	55. 6·2	54.13·2	55. 6·2	53.56·0	F.
	19. 9	53.34·5	52.34·5	53.46·8	52.45·8	54.14·0	55. 6·8	54.16·3	55. 8·7	53.55·9	F.
May	14.10	53.42·7	52.39·7	53.52·3	52.36·8	54. 9·0	55. 6·8	54.12·2	55. 7·0	53.55·8	F.
	17.12	53.40·5	53.39·2	54. 6·0	52.30·7	54. 0·3	55. 7·0	54.23·3	55.11·3	54. 4·8	F.
June	15. 9	53.33·3	52.48·3	53.46·0	52.56·3	54.13·2	54.52·3	54. 5·3	55. 4·0	53.54·8	F.
	16.15	53.35·7	52.46·3	54. 1·5	52.45·3	54. 6·2	55. 6·0	54. 8·5	55.15·7	53.58·1	F.
July	14. 9	53.43·7	52.39·3	53.56·7	52.45·3	54.19·3	54.55·3	54.23·7	54.56·2	53.57·4	F.
	18. 9	53.27·2	52.48·8	53.39·3	52.42·8	54. 6·0	55. 0·8	54. 2·0	55. 7·0	53.51·7	F.
August	12·16	53.32·5	52.42·5	53.50·0	52.37·7	54. 6·5	54.59·2	54. 3·0	55. 7·8	53.52·4	F.
	16. 9	53.47·0	52.34·5	54. 1·0	52.35·2	54.21·5	54.53·0	54.13·2	55. 2·8	53.56·0	F.
September	14. 9	53.54·8	52.30·0	53.54·8	52.41·2	54.14·7	55. 8·7	54.15·7	55. 8·5	53.58·5	F.
	19.15	53.37·0	52.44·0	53.46·8	52.49·0	54.25·0	54.49·8	54.28·5	55. 4·0	53.58·0	F.
October	14. 9	53.44·8	52.40·3	54. 1·2	52.46·5	54.12·5	55. 0·5	54.19·0	55.10·2	53.59·4	F.
	17. 9	53.41·5	52.38·0	53.52·0	52.47·5	54.15·3	54.52·3	54.19·0	55. 4·0	53.56·2	F.
November	14. 9	53.34·2	52.24·3	53.53·3	52.39·0	54.17·0	54.57·8	54.19·2	55. 3·0	53.53·5	F.
	17. 9	53.35·8	52.43·5	54. 2·2	52.44·5	54.13·2	54.57·9	54.12·2	55. 9·8	53.57·4	F.
December	14. 9	53.32·3	52.48·2	53.46·7	52.51·2	54. 0·5	54.53·2	54.10·2	55. 6·8	53.53·6	F.
	17. 9	53.27·5	52.34·3	54. 1·2	52.43·2	54. 5·3	55. 6·3	54.12·3	55. 2·8	53.54·1	F.

The initial F. is that of Mr. Figon.

TABLE IV.—MEAN MONTHLY VALUES of MAGNETIC DIP (SOUTH) in the YEAR 1904.

Month, 1904.	Needle No. 1.	Needle No. 2.	Needle No. 3.	Needle No. 4.	Mean Monthly Dip from all Needles.
January	53° 56′·2	53° 54′·5	54° 1′·8	53° 59′·4	53° 57′·98
February	53·53·1	53·55·3	53·58·1	54· 0·0	53·56·62
March	53·51·7	53·53·8	53·59·1	53·59·8	53·56·10
April	53·49·3	53·55·2	53·57·7	53·56·0	53·54·55
May	53·51·0	53·55·5	53·56·6	54· 0·3	53·55·85
June	53·46·8	53·54·3	53·56·6	53·56·4	53·53·52
July	53·48·8	53·51·1	53·53·8	53·54·6	53·52·08
August	53·50·0	53·53·5	53·54·1	53·54·2	53·52·95
September	53·50·5	53·54·3	53·54·0	53·58·2	53·54·25
October	53·51·6	53·55·2	53·54·8	53·57·8	53·54·85
November	53·48·3	53·53·2	53·53·7	53·55·4	53·52·65
December	53·48·6	53·53·4	53·55·2	53·53·8	53·52·75
Year	53·50·49	53·54·11	53·56·29	53·57·16	53·54·51
Column	1	2	3	4	5

TABLE V.—MEAN MONTHLY VALUES of MAGNETIC DECLINATION, HORIZONTAL FORCE, VERTICAL FORCE, and TOTAL FORCE in the YEAR 1904.

Month, 1904.	Declination (West).	In Metric Measure (C.G.S. Unit).			In English Measure (F.G.S. Unit).		
		Horizontal Force.	Vertical Force.	Total Force.	Horizontal Force.	Vertical Force.	Total Force.
January	9° 13′·40	·23641	·32499	·40188	5·1273	7·0484	8·7160
February	9.13·72	·23638	·32468	·40161	5·1266	7·0417	8·7101
March	9.12·95	·23630	·32446	·40138	5·1249	7·0369	8·7051
April	9.12·92	·23616	·32397	·40091	5·1218	7·0263	8·6949
May	9.12·86	·23615	·32421	·40110	5·1216	7·0315	8·6991
June	9.12·51	·23614	·32374	·40071	5·1214	7·0213	8·6906
July	9.12·52	·23619	·32352	·40056	5·1225	7·0165	8·6873
August	9.12·43	·23625	·32377	·40080	5·1238	7·0219	8·6926
September	9.11·99	·23627	·32406	·40104	5·1242	7·0282	8·6978
October	9.11·57	·23625	·32415	·40111	5·1238	7·0302	8·6993
November	9.11·60	·23627	·32374	·40079	5·1242	7·0213	8·6923
December	9.11·86	·23635	·32387	·40094	5·1260	7·0241	8·6956
Year	9.12·53	·23627	·32410	·40109	5·1242	7·0290	8·6984
Column	1	2	3	4	5	6	7

TABLE VI.—MEAN MAGNETIC DECLINATION WEST for each CIVIL DAY as derived from the HOURLY MEASURES of the MAGNETOGRAMS.

1904.

Day of Month.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
d	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	9.13·7	9.14·2	9.13·0	9.12·5	9.12·8	9.12·5	9.12·3	9.12·9	9.12·5	9·12·0	9.11·6	9·11·4
2	14·4	14·1	12·8	12·9	13·0	12·6	12·2	12·3	12·3	12·0	11·6	11·5
3	13·4	14·1	13·2	12·8	12·4	12·6	12·5	12·2	13·0	11·4	12·0	10·8
4	14·1	14·0	13·1	12·5	12·8	12·9	12·7	11·7	12·9	11·7	11·4	11·7
5	13·1	13·6	12·7	12·7	12·9	12·6	12·7	12·1	12·9	11·9	11·8	11·6
6	14·2	14·1	13·0	13·2	12·9	12·5	12·7	12·3	13·2	11·9	11·8	12·3
7	13·4	13·9	12·7	12·8	13·3	12·4	12·5	12·7	12·7	11·5	11·0	11·4
8	13·6	14·3	13·3	13·1	13·0	12·8	12·2	12·7	11·9	11·4	11·4	11·5
9	13·2	14·8	13·3	13·4	13·2	13·1	12·5	12·7	11·9	11·1	12·1	11·5
10	11·8	13·8	13·2	13·0	12·9	12·6	12·3	12·5	12·0	10·9	11·4	11·2
11	13·9	13·2	12·6	12·9	13·0	12·7	12·8	12·3	12·2	11·3	11·5	11·8
12	13·3	13·4	12·7	13·2	12·8	12·6	12·6	12·3	12·5	10·8	12·2	11·6
13	12·8	12·7	12·8	13·1	11·9	12·3	12·8	12·8	11·7	11·0	11·6	11·7
14	..	14·2	12·9	13·1	13·0	12·5	12·6	12·5	11·9	11·8	11·6	11·5
15	12·2	14·1	12·9	13·0	13·4	12·3	12·4	12·9	12·2	11·4	11·7	11·9
16	12·5	13·6	13·3	12·7	13·2	11·8	12·8	12·3	12·2	11·2	11·9	11·7
17	12·8	14·3	12·6	12·7	13·2	12·6	12·4	12·4	12·3	11·6	11·8	11·6
18	12·8	13·6	12·9	30·0	12·9	12·3	12·5	12·3	11·8	11·7	11·3	11·7
19	13·4	13·7	13·3	12·6	12·6	12·5	12·9	12·5	11·9	11·9	11·7	12·1
20	12·9	14·1	12·9	12·7	12·4	12·2	12·6	12·6	12·1	11·7	11·2	11·9
21	13·5	13·3	12·6	13·1	13·0	12·0	12·5	12·5	12·4	12·1	11·8	12·5
22	14·0	13·1	13·6	13·1	13·4	12·7	12·5	12·6	11·4	11·7	12·0	11·7
23	13·9	13·4	12·7	12·7	13·0	12·3	12·8	13·1	11·1	12·0	11·7	12·3
24	13·3	14·5	13·2	13·2	12·5	12·4	12·5	13·2	11·9	11·4	11·5	11·9
25	13·4	14·0	12·7	13·0	12·8	12·4	12·1	12·3	10·8	12·1	11·1	12·3
26	14·3	13·4	12·7	12·7	12·5	12·7	12·9	11·0	11·0	11·7	11·2	12·5
27	13·7	12·3	12·8	13·0	13·1	12·5	12·2	11·8	11·0	11·5	11·7	11·9
28	13·8	13·2	12·8	13·2	13·0	12·6	12·1	12·1	10·9	11·1	11·3	12·7
29	13·1	12·8	12·8	12·9	12·6	12·7	12·5	..	11·4	11·9	11·1	12·7
30	13·7		13·1	12·8	12·5	12·6	12·4	..	11·6	..	12·1	12·6
31	13·7		13·2		12·6		12·5	12·0		11·4		12·3

TABLE VII.—MONTHLY MEAN DIURNAL INEQUALITY OF MAGNETIC DECLINATION WEST.

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

1904.

Hour, Mauritius Civil Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	′	′	′	′	′	′	′	′	′	′	′	′	′
Midn.	3·0	3·1	3·9	2·7	2·4	2·3	2·3	2·9	3·2	4·7	4·6	4·4	3·12
1h	3·2	3·2	4·0	2·8	2·6	2·3	2·1	2·9	3·1	4·7	4·6	4·4	3·15
2	3·3	3.2	4·1	2·8	2·5	2·2	2·1	2·9	3·1	4·6	4·7	4·5	3·16
3	3·5	3·3	4·2	2·7	2·5	2·2	2·1	2·9	3·0	4·7	4·8	4·7	3·21
4	3·7	3·6	4·1	2·7	2·5	2·2	1·9	2·8	3·0	4·7	5·2	5·0	3·27
5	4·0	3·8	4·2	2·8	2·5	2·2	1·8	2·6	2·9	4·8	5·5	5·5	3·38
6	4·3	4·1	4·4	2·6	2·3	2·0	1·7	2·0	2·3	4·6	6·5	6·5	3·43
7	4·6	5·4	5·5	2·9	1·8	1·2	0·8	1·2	2·2	5·6	8·0	8·1	3·77
8	4·5	6·3	7·1	4·4	2·7	1·4	1·2	1·9	3·7	7·1	8·6	9·0	4·65
9	4·9	6·1	7·4	5·6	4·3	2·8	2·5	3·9	5·6	8·1	7·9	8·1	5·42
10	4·7	5·0	6·3	5·5	5·1	4·1	3·8	5·5	7·0	8·2	6·3	6·4	5·48
11	3·7	3·5	4·8	4·0	4·5	4·3	4·4	5·9	7·0	7·0	4·0	3·9	4·58
Noon	2·2	2·0	2·8	2·1	3·0	3·8	3·9	5·0	5·4	4·5	1·8	1·6	3·00
13h	0·9	0·7	1·0	0·9	1·9	2·6	2·5	3·4	3·2	1·6	0·2	0·2	1·42
14	0·1	0·0	0·0	0·3	0·6	0·8	1·0	1·6	1·0	0·0	0·0	0·0	0·27
15	0·0	0·0	0·4	0·0	0·0	0·0	0·0	0·3	0·0	0·3	0·6	0·5	0·00
16	0·5	0·6	1·3	0·6	0·4	0·5	0·1	0·0	0·2	1·9	2·2	1·9	0·67
17	1·6	1·8	2·7	1·7	1·8	1·9	1·5	1·3	1·4	3·3	3·6	3·0	1·96
18	2·3	2·5	3·4	2·4	2·5	2·7	2·7	2·8	2·8	4·2	4·4	3·8	2·87
19	2·6	2·9	3·6	2·6	2·7	2·8	2·9	3·0	3·0	4·3	4·5	4·0	3·07
20	2·7	2·9	3·5	2·8	2·8	2·8	2·8	3·2	3·1	4·4	4·6	4·0	3·12
21	2·7	3·0	3·6	2·8	2·8	2·8	2·8	3·2	3·2	4·6	4·5	4·0	3·16
22	2·9	3·0	3·6	2·8	2·7	2·7	2·6	3·1	3·2	4·7	4·6	4·3	3·17
23	2·9	3·1	3·7	2·8	2·7	2·6	2·5	3·0	3·2	4·7	4·6	4·4	3·18
Mean	2·87	3·05	3·73	2·64	2·48	2·30	2·17	2·80	3·16	4·47	4·43	4·26	3·02

TABLE VIII.—MEAN HORIZONTAL MAGNETIC FORCE for each CIVIL DAY, as derived from the HOURLY MEASURES of the MAGNETOGRAMS.

(The values are expressed in terms of the Centimètre-Gramme-Second Unit, and are corrected for temperature.)

1904.

Day of Month.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
d												
1	·23621	·33630	·23637	·23590	·23613	·23620	·23628	·23622	·23629	·23629	·23631	·23635
2	631	631	634	594	611	614	618	621	635	623	626	634
3	627	633	646	..	617	617	623	611	629	619	637	632
4	633	636	617	..	610	619	616	591	634	624	619	633
5	634	645	630	616	623	629	617	605	646	630	609	619
6	637	635	630	609	621	623	621	611	643	618	614	622
7	647	634	624	609	626	613	592	615	631	617	628	633
8	645	631	630	607	620	615	602	616	634	601	625	631
9	647	..	623	622	630	626	609	619	627	610	622	637
10	644	..	627	622	630	627	606	623	627	612	636	639
11	634	..	628	620	625	627	614	624	624	626	639	636
12	641	..	631	621	616	622	611	..	635	624	633	636
13	641	..	628	624	..	626	621	631	624	626	643	655
14	644	..	628	621	..	629	617	625	633	624	639	647
15	655	..	632	628	595	611	615	636	640	616	627	629
16	634	..	629	623	608	567	616	620	621	622	617	633
17	631	..	627	633	613	590	614	620	628	637	607	633
18	643	..	634	622	610	594	612	622	..	634	612	637
19	640	..	626	581	..	607	622	623	632	641	625	640
20	650	..	630	607	612	604	625	622	632	640	630	633
21	645	637	629	626	618	611	626	635	637	625	639	633
22	645	653	628	621	614	614	627	621	630	616	639	631
23	635	642	633	625	616	624	633	628	624	618	629	637
24	649	645	..	617	605	615	622	638	627	631	631	645
25	660	645	642	628	612	624	624	642	599	639	628	644
26	662	644	626	607	618	623	616	642	598	631	615	633
27	660	633	619	617	632	613	620	645	613	632	616	639
28	659	643	632	616	590	606	610	647	608	633	629	635
29	623	635	628	628	607	..	615	646	623	632	634	635
30	632	..	632	618	607	607	605	630	621	..	639	633
31	632		626		617		623	626		629		641

TABLE IX.—MONTHLY MEAN DIURNAL INEQUALITY OF HORIZONTAL MAGNETIC FORCE.

(The results are diminished by the smallest hourly value in each month, and for the year, the unit in the table being ·000001 *of the Centimètre-Gramme-Second Unit. No correction for temperature has been applied.)*

1904.

Hour, Mauritius Civil Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midn.	33	14	18	15	28	19	29	30	11	32	36	41	16·1
1h	48	32	36	33	28	34	31	40	38	57	49	60	31·1
2	59	62	44	55	42	37	38	51	53	74	64	67	44·4
3	69	68	50	54	56	47	38	66	66	83	70	64	51·5
4	70	75	66	75	84	52	56	79	75	90	68	53	60·8
5	65	78	67	78	92	69	66	101	83	95	66	49	66·3
6	95	85	65	85	116	83	86	122	96	96	64	79	79·9
7	138	71	46	112	152	125	130	173	115	113	54	106	101·8
8	138	77	45	134	165	162	159	191	130	116	60	120	115·3
9	123	99	71	129	155	172	157	176	128	133	106	145	123·4
10	115	133	129	115	135	173	127	151	128	158	169	189	134·1
11	80	145	166	129	149	162	103	138	154	159	210	210	141·0
Noon	49	137	192	155	121	143	96	143	171	163	217	186	138·3
13h	53	144	175	116	99	116	99	134	142	176	211	170	126·8
14	47	108	120	49	50	86	80	98	92	148	153	144	88·5
15	48	102	78	19	12	34	50	62	45	105	107	87	53·0
16	60	55	38	0	0	0	7	15	22	53	69	33	19·9
17	64	31	22	5	13	6	0	0	10	18	41	15	9·3
18	41	24	0	8	23	28	22	14	12	9	17	13	8·2
19	12	11	1	4	24	21	15	10	9	0	11	0	0·4
20	0	14	3	4	27	19	9	13	9	4	1	10	0·0
21	14	14	9	14	28	17	1	9	0	10	0	13	1·3
22	12	6	10	14	32	17	17	21	2	19	19	13	5·8
23	26	0	14	17	34	17	23	27	1	24	27	30	10·6
Mean	60·8	66·0	61·0	59·1	69·4	68·3	60·0	77·7	66·3	80·6	78·7	79·0	59·5

TABLE X.—MEAN TEMPERATURE for each CIVIL DAY within the glass shade covering the HORIZONTAL FORCE MAGNET.

Day of Month.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
d	°	°	°	°	°	°	°	°	°	°	°	°
1	80·5	82·2	84·1	82·6	81·2	78·8	76·4	74·5	76·3	76·6	81·1	82·4
2	80·6	82·3	83·8	82·5	81·2	78·4	76·3	74·3	76·3	76·8	80·9	82·4
3	80·8	82·4	83·7	82·5	81·1	78·4	76·3	74·7	76·5	77·2	81·1	82·4
4	81·1	82·6	83·7	82·6	81·0	78·4	76·1	74·7	76·6	77·2	81·0	82·5
5	81·0	82·7	83·8	82·7	81·2	78·4	75·9	74·6	76·6	77·2	81·0	82·5
6	81·2	82·6	83·7	82·7	81·4	78·3	76·1	74·6	76·6	76·9	81·0	82·7
7	81·2	82·7	83·6	82·8	81·4	78·0	76·0	74·8	76·9	76·8	81·0	83·0
8	81·4	82·6	83·4	82·9	81·5	78·0	76·1	75·2	76·9	76·8	81·3	82·8
9	81·6	82·6	83·5	83·4	81·3	78·0	75·9	75·2	77·0	76·8	81·0	82·7
10	81·7	82·5	83·5	83·6	81·5	77·8	75·9	75·2	77·0	76·7	81·1	82·8
11	81·6	82·6	83·6	83·5	81·4	77·7	76·1	75·5	76·7	76·7	81·4	82·9
12	81·7	82·4	83·7	83·5	80·9	77·6	76·3	75·6	77·0	76·9	81·4	82·6
13	81·6	82·6	83·9	83·0	80·9	77·5	76·0	75·9	76·6	77·2	81·4	82·8
14	81·4	82·6	83·8	82·5	81·7	77·4	76·1	75·8	76·7	77·2	80·8	82·6
15	81·4	82·5	83·8	82·2	81·1	77·2	76·0	75·8	77·0	77·4	80·8	83·0
16	81·4	82·7	83·8	82·0	81·0	76·9	75·9	75·9	76·9	77·7	80·8	83·1
17	81·3	83·1	83·8	81·8	80·6	76·9	75·8	76·3	77·0	78·0	80·7	83·6
18	81·4	83·3	83·5	81·8	80·7	76·8	76·4	76·1	76·9	78·1	80·6	83·6
19	81·4	83·6	83·4	81·6	80·7	76·9	76·3	76·0	76·7	78·3	80·8	83·6
20	81·6	83·6	83·4	81·5	80·6	76·7	76·1	75·9	76·6	78·4	81·2	83·8
21	81·6	83·7	83·3	81·4	80·7	76·9	75·7	75·9	76·2	78·8	81·5	84·2
22	81·7	83·9	83·4	81·5	80·4	76·6	75·6	76·2	76·2	79·0	81·5	84·1
23	81·7	83·9	83·6	81·5	80·3	76·7	75·4	76·4	76·4	79·2	81·7	83·6
24	81·7	84·1	83·6	81·5	80·3	76·9	75·4	76·5	76·5	79·5	81·8	83·8
25	81·7	84·0	83·6	81·7	79·5	76·8	75·2	76·4	76·5	79·6	82·1	83·6
26	82·2	84·0	83·6	81·5	79·2	76·8	74·7	76·5	76·4	79·8	81·8	83·5
27	82·2	84·1	83·6	81·5	79·4	77·0	75·1	76·3	76·5	80·1	81·8	83·5
28	82·0	84·1	83·4	81·5	79·4	77·1	75·0	76·0	76·6	80·2	81·8	83·8
29	81·8	83·9	83·1	81·4	79·1	76·8	74·4	76·0	76·8	80·8	82·0	83·8
30	81·8		82·7	81·5	78·8	75·9	73·9	76·2	76·9	81·0	82·4	83·7
31	82·1		82·6		78·8		74·7	76·2		81·1		83·6
Mean	81·5	83·1	83·5	82·2	80·6	77·4	75·7	75·7	76·7	78·2	81·3	83·2

TABLE XI.—MONTHLY MEAN DIURNAL INEQUALITY OF VERTICAL MAGNETIC FORCE.

(The results are diminished by the smallest hourly value in each month, and for the year, the unit in the table being ·000001 of the Centimètre-Gramme-Second Unit. No correction for temperature has been applied.)

Hour, Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midn.	102	132	120	97	120	122	137	185	170	148	159	165	131·2
1h	101	129	117	93	116	119	136	181	163	147	157	164	128·3
2	104	127	118	89	116	118	133	176	160	144	156	167	127·1
3	102	125	116	87	115	116	132	173	156	145	156	170	125·8
4	103	127	112	86	113	115	132	169	157	146	162	177	126·3
5	104	127	117	90	113	114	132	169	157	147	166	183	128·0
6	110	133	111	95	113	113	134	168	156	146	186	204	132·2
7	110	150	145	106	106	102	123	165	161	162	211	233	140·9
8	114	152	157	128	136	113	138	198	197	187	202	222	155·1
9	122	129	144	139	152	135	163	239	229	200	162	160	157·6
10	106	86	113	120	143	135	172	246	231	194	109	91	138·6
11	60	47	68	77	96	113	156	215	195	150	61	35	99·2
Noon	27	18	26	24	56	80	114	141	121	78	18	0	51·7
13h	0	0	0	2	24	29	50	59	47	10	0	3	11·8
14	0	1	7	0	5	6	14	13	3	0	12	22	0·0
15	8	16	22	4	0	0	0	0	0	28	40	58	7·8
16	33	45	51	27	33	38	37	35	37	72	80	100	42·1
17	51	81	78	61	82	87	89	96	81	109	105	123	80·0
18	70	98	94	79	105	108	119	144	129	128	117	142	104·2
19	77	107	103	85	112	115	128	160	144	134	119	147	112·3
20	85	113	109	94	118	120	137	174	151	139	122	151	119·2
21	88	121	117	95	120	123	139	182	160	143	124	153	123·5
22	99	128	120	99	123	123	139	182	164	144	127	161	127·2
23	102	131	120	100	122	122	138	184	167	145	127	164	128·3
Mean	78·2	96·8	95·2	78·2	97·5	98·6	116·3	152·3	139·0	126·9	119·9	133·1	104·1

TABLE XII.—DIURNAL RANGE of MAGNETIC DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE on QUIET DAYS as derived from the HOURLY MEASURES of the MAGNETOGRAMS.

(The Declination is expressed in minutes of arc; the unit for Horizontal Force and Vertical Force is · 00001 of the Centimètre-Gramme-Second Unit.)

Day of Month.	1904.																	
	January.			February.			March.			April.			May.			June.		
	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.
d	′			′			′			′			′			′		
1	7·9	25	14	5·0	30	..	6·2	14	9	10·7	..	26	3·6	..	19	3·7	31	13
2	4·8	25	21	11·5	28	34	9·5	31	14	3·1	..	13	3·0	35	14	5·0	25	8
3	8·3	25	23	10·0	22	19	12·1	37	3	4·8	..	18	5·1	31	7	5·0	24	23
4	6·0	24	18	11·0	14	25	5·3	34	6	7·0	..	..	5·3	30	13	5·7	25	19
5	8·9	..	21	8·3	50	22	6·4	24	19	8·0	14	..	6·0	23	20	6·9	27	18
6	5·0	29	12	8·5	38	17	6·9	17	15	8·2	12	20	6·4	38	16	5·0	..	16
7	9·9	28	30	7·5	27	21	7·0	19	10	9·7	32	16	7·9	17	14	6·0	29	9
8	7·0	46	27	8·0	22	23	8·2	29	17	4·1	32	17	7·2	9	16	4·1	25	14
9	9·6	38	31	5·8	..	15	6·2	12	17	6·0	41	13	6·1	25	20	5·5	37	12
10	4·1	55	6	5·5	..	13	6·5	19	21	4·1	22	13	8·7	24	..	6·0	26	19
11	3·2	41	7	4·0	..	10	7·0	41	19	4·8	19	9	7·1	21	25	6·0	32	20
12	4·3	30	15	7·1	..	30	7·8	41	22	4·8	40	23	6·6	..	29	6·0	29	21
13	3·5	27	10	8·4	..	15	6·2	35	12	5·8	37	11	5·5	..	..	3·5	11	16
14	..	13	10	6·0	..	15	5·7	15	23	5·9	14	15	4·1	..	..	5·0	31	11
15	6·0	52	20	9·4	..	38	8·2	27	24	8·0	19	15	6·9	34	..	4·5	..	28
16	7·7	..	19	10·7	..	24	8·3	21	27	6·0	21	16	5·9	17	..	5·0	..	17
17	7·8	18	26	11·5	..	44	5·6	18	16	4·1	17	16	4·1	42	23	3·6	37	13
18	7·5	26	25	7·3	..	18	8·7	27	24	4·4	..	11	6·0	37	17	3·1	26	14
19	9·3	31	28	4·1	..	17	8·6	20	25	5·4	..	7	7·0	..	..	3·9	22	14
20	10·0	21	28	5·7	..	22	8·9	34	14	5·1	35	8	4·3	24	17	6·0	22	22
21	9·4	19	31	7·1	23	21	9·9	17	14	7·4	19	15	4·2	22	11	5·1	29	17
22	7·2	40	14	7·0	34	17	8·8	24	29	7·3	38	14	6·0	17	14	3·9	39	12
23	8·6	30	21	6·2	28	7	10·3	46	..	7·4	27	16	6·5	27	20	3·7	21	12
24	5·9	33	11	6·3	12	11	8·5	..	..	6·9	32	11	7·0	42	19	4·9	21	15
25	4·9	37	12	7·1	41	14	12·0	58	..	9·1	30	18	6·0	16	19	4·6	36	19
26	8·6	27	18	5·6	19	11	9·0	53	..	5·0	40	..	4·5	24	18	5·0	27	13
27	6·1	27	17	6·1	12	23	6·8	38	..	6·9	21	18	6·1	19	29	6·2	57	19
28	4·3	..	25	6·8	17	13	5·6	26	14	7·7	26	15	4·9	..	13	4·1	25	14
29	7·0	..	17	8·1	41	26	5·6	59	19	5·3	20	20	4·1	..	18	5·4	..	23
30	6·0	32	18				4·9	46	18	4·5	41	24	3·9	28	12	4·4	17	21
31	8·1	15	..				8·3	28	34				3·0	28	8			
Mean	6·90	30·1	19·2	7·43	26·9	20·2	7·71	30·3	17·9	6·25	27·0	15·5	5·58	26·2	17·2	4·89	28·1	16·4

TABLE XIII.—MONTHLY MEAN TEMPERATURE at 8h, 10h, 13h, and 16h within the glass shades covering the HORIZONTAL FORCE and VERTICAL FORCE MAGNETS.

Mauritius Civil Time.	1904.											
	January.		February.		March.		April.		May.		June.	
	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.
h	°	°	°	°	°	°	°	°	°	°	°	°
0	..	..	..	..	83·62	83·63	82·30	82·29	80·69	80·71	77·44	77·41
10	81·49	81·50	83·07	83·06	83·51	83·52	82·19	82·18	80·59	80·61	77·36	77·33
12	81·49	81·49	83·09	83·09	83·55	83·55	82·20	82·21	80·63	80·59	77·37	77·37
23	81·52	81·52	83·15	83·14	83·55	83·56	82·24	82·24	80·58	80·60	77·37	77·38
24	..	..	..	..	83·56	83·57	82·26	82·26	80·60	80·62	77·38	77·39

TABLE XII.—DIURNAL RANGE of MAGNETIC DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE on QUIET DAYS as derived from the HOURLY MEASURES of the MAGNETOGRAMS—*continued.*

1904.																		Day of Month
July.			August.			Ssptember.			October.			November.			December.			
Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	Dec.	H.F.	V.F.	
′			′			′			′			′			′			d
5·2	26	17	5·4	22	31	8·0	22	29	10·2	30	28	8·9	35	22	7·7	33	20	1
5·9	12	22	4·1	..	15	8·0	25	24	7·5	39	17	9·5	..	21	8·0	26	20	2
4·6	21	14	6·5	..	..	9·9	16	25	6·3	29	..	9·2	26	25	12·5	45	21	3
5·3	26	16	4·7	..	11	8·1	36	31	5·4	31	20	9·0	..	27	10·7	26	23	4
4·6	28	10	4·5	44	17	7·7	50	..	7·1	35	15	6·0	..	21	8·3	29	25	5
4·6	23	20	7·3	31	29	7·0	41	24	8·1	29	21	5·0	29	20	10·3	23	31	6
4·6	29	7	10·0	29	34	8·3	22	32	5·9	75	12	9·1	39	16	12·4	21	..	7
5·1	19	17	9·4	26	24	7·1	31	40	6·0	45	14	10·7	29	17	12·2	26	34	8
4·4	21	16	7·6	18	24	8·5	31	38	9·0	16	22	9·7	16	27	11·9	..	29	9
4·9	19	14	4·9	18	24	5·1	18	39	10·6	16	..	15 0	38	42	14·8	37	22	10
6·5	26	22	5·1	19	..	6·6	49	26	10·1	19	24	10·1	35	20	12·3	27	31	11
4·2	20	20	5·9	..	34	6·6	35	22	11·5	30	19	8·0	22	25	11·1	36	25	12
6·0	18	31	6·9	33	29	9·0	16	37	10·4	39	27	5·5	19	18	9·5	32	21	13
4·6	..	24	5·7	36	18	7·0	13	21	8·3	32	27	7·7	35	14	10·0	33	30	14
5·2	19	18	4·1	34	18	7·9	36	31	10·1	20	24	6·1	29	15	7·0	38	14	15
3·5	24	17	4·0	31	..	8·3	32	20	11·9	26	30	5·6	..	9	10·6	52	25	16
6·0	31	19	5·1	32	21	6·6	16	18	10·7	26	29	6·3	28	16	9·6	36	26	17
4·9	15	24	4·9	39	..	7·9	..	18	8·4	17	23	8·5	46	20	12·7	38	32	18
4·2	17	13	6·8	12	22	6·9	11	17	8·0	19	24	7·2	24	27	8·3	39	31	19
5·0	31	27	7·2	26	25	9·5	31	..	8·9	31	23	9·3	35	29	8·4	29	..	20
3·0	18	7	6·9	46	..	7·9	36	27	9·7	..	..	10·9	51	36	9·9	46	..	21
4·0	36	14	4·0	..	..	7·9	48	17	4·9	47	14	9·4	39	20	7·1	32	..	22
2·9	42	11	6·3	21	37	4·3	20	19	6·8	29	..	8·8	16	35	10·1	38	..	23
6·5	26	18	7·8	20	35	9·2	29	23	9·2	23	..	9·1	19	24	11·0	32	..	24
6·4	23	34	7·4	12	35	..	..	13	9·0	26	..	12·0	..	31	14·4	36	..	25
4·1	30	20	8·2	18	35	5·1	39	24	12·0	32	..	11·0	75	22	10·8	39	..	26
5·5	41	15	6·7	16	31	8·9	19	25	12·2	35	..	13·0	60	21	10·5	..	..	27
4·5	20	17	8·6	19	42	8·9	13	..	12·2	..	..	11·0	26	18	9·9	26	..	28
5·7	22	24	..	46	..	9·2	26	24	10·1	20	..	9·0	52	28	7·9	42	..	29
4·8	25	24	..	..	31	7·6	22	13	..	..	..	8·4	25	10	6·0	27	..	30
6·9	34	38	7·1	52	30				7·1	40	..				4·1	33	..	31
4·95	24·7	19·0	6·31	28·0	27·2	7·69	28·0	25·1	8·92	30·6	21·7	8·97	33·9	22·5	10·00	33·7	25·6	Mean

TABLE XIII.—MONTHLY MEAN TEMPERATURE at 0^h, 10^h, 23^h, and 24^h, within the glass shades covering the HORIZONTAL FORCE and VERTICAL FORCE MAGNETS—*continued.*

1904.												Mauritius Civil Time.
July.		August.		September.		October.		November.		December.		
H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	H.F.	V.F.	
°	°	°	°	°	°	°	°	°	°	°	°	h
75·79	75·80	75·74	75·74	76·64	76·66	78·08	78·08	81·29	81·30	83·17	83·16	0
75·68	75·69	75·59	75·59	76·64	76·66	78·15	78·15	81·27	81·28	83·21	83·20	10
75·68	75·72	75·65	75·62	76·64	76·67	78·16	78·16	81·26	81·28	83·18	83·17	12
75·74	75·76	75·67	75·66	76·65	76·64	78·23	78·24	81·34	81·33	83·20	83·19	23
75·75	75·77	75·69	75·68	76·66	76·65	78·23	78·24	81·33	81·32	83·20	83·19	24

TABLE XIV.—HOURLY VARIATIONS of the HORIZONTAL MAGNETIC FORCE above or below the MEAN for the MONTH, on DAYS of MAGNETIC DISTURBANCE during the YEAR 1904.

(The unit is ·00002 of the Centimètre-Gramme-Second Unit. No correction for temperature has been applied.)

Hour, Mauritius Civil Time, 1904.	January.				Feb.	March.			April.							May.		
	5d	16d	28d	29d	29d	23d	25d	29d	1d	2d	8d	10d	17d	18d	19d	1d	28d	29d
Midnight	− 9	+10	+11	−59	+ 7	− 4	− 9	− 9	+19	− 9	−33	−20	+13	+ 7	−38	−17	+ 5	−20
1h	− 6	+ 8	+20	−53	+ 7	− 8	− 2	− 9	+34	−13	−35	−17	+16	− 3	−29	− 8	− 3	+ 3
2	− 4	+ 5	+14	−23	+ 4	− 7	0	− 8	+34	− 5	−28	−12	+16	+ 3	−22	− 7	−11	− 6
3	− 4	+ 9	+20	−33	+ 3	− 7	+ 2	− 8	+36	− 1	−25	−17	+18	+ 9	−29	− 7	− 3	− 9
4	+ 5	+ 8	+16	−22	+ 1	− 4	+ 2	− 5	+45	+ 2	−19	+ 1	+22	+12	−26	− 2	− 3	0
5	+ 1	+ 5	+14	−23	+ 1	− 3	0	− 4	+31	− 9	−19	+ 5	+22	+18	−27	− 2	0	+10
6	0	+19	+15	−20	+ 1	+ 1	+ 1	− 4	+55	− 4	−19	−12	+23	+23	−17	0	− 3	+ 7
7	+ 4	+20	+23	− 7	− 5	0	+ 6	− 5	+39	− 4	−13	− 7	+26	+23	−11	+ 3	+10	+13
8	+ 2	+26	+36	− 5	−11	− 9	+ 9	− 3	+19	+ 7	− 3	+ 2	+26	+28	− 7	+16	+13	+24
9	+ 1	+29	+45	+ 1	−14	− 3	+19	+10	+ 7	+ 8	− 4	− 6	+28	+29	− 5	+13	+16	+21
10	+ 7	+31	+44	− 7	+13	+14	+38	+20	−18	+10	− 7	− 6	+28	+35	− 4	+17	+29	+16
11	+ 3	+28	+38	−13	+29	+27	+49	+29	−16	+ 5	− 7	− 3	+27	+35	− 4	+10	+23	+25
Noon	+ 1	+25	+32	− 6	+30	+38	+49	+38	−16	+13	− 6	− 3	+29	+30	−10	− 2	−10	+21
13h	+ 1	+ 9	+32	−22	+30	+35	+43	+32	−51	+ 1	− 6	− 0	+31	+26	−23	− 8	−24	+12
14	− 7	− 4	+40	−42	+29	+23	+32	+24	−63	− 4	−22	− 7	+23	+26	−36	−10	−33	+10
15	+ 5	−15	+26	−42	+18	+13	+23	+14	−68	− 4	−19	−10	+13	+13	−47	−15	−26	+ 6
16	+ 5	−32	+17	−27	+ 7	+ 6	+11	+ 3	−56	−38	−16	−12	+13	+12	−55	−29	−29	− 7
17	− 7	−44	+31	−16	− 3	0	+ 5	+ 2	−52	−39	−17	−13	+16	+ 6	−65	−26	−49	0
18	−21	−49	+14	−14	− 2	− 3	+ 3	−20	−70	−27	−16	−16	+16	+ 6	−74	−23	−36	+ 3
19	−24	−52	+ 4	−18	− 2	− 3	+ 3	−20	−52	−27	−14	−16	+15	− 3	−57	−26	−38	0
20	−13	−63	−10	−19	0	− 9	+ 2	−22	−37	−12	−16	−13	+15	−13	−35	−29	−33	0
21	− 7	−59	−34	−20	− 3	− 8	0	−12	−16	−16	−23	−12	+23	−24	−35	−29	−49	+ 3
22	− 5	−37	−75	−17	− 8	− 9	− 2	−11	−39	−16	−23	−12	+23	−28	−30	−13	−44	+10
23	− 4	−37	−47	−16	−11	− 9	+ 3	−15	−15	+ 5	−26	− 8	+22	−31	−21	−16	−29	+ 5
Daily Range	38	95	123	60	44	47	58	61	139	57	32	28	19	75	71	46	83	48

Hour, Mauritius Civil Time, 1904.	June.			July.		August.				September.		October.					November.			
	6d	7d	8d	7d	14d	2d	3d	4d	30d	11d	25d	7d	8d	21d	27d	28d	2d	4d	5d	16d
Midnight	− 7	− 5	−17	−14	− 2	+ 1	− 4	−30	− 1	− 8	+12	+26	− 8	+ 7	− 5	−13	−31	−23	−43	−10
1h	− 7	− 4	−17	−21	− 6	+ 2	− 4	−28	+10	− 5	+ 9	+26	− 8	+ 7	− 3	−16	−27	−20	−45	− 4
2	− 4	− 7	−14	−12	− 7	+ 4	− 3	−19	+ 4	− 2	+ 5	+29	+10	+ 7	− 3	−11	−30	−23	−45	− 2
3	− 4	−10	−10	−20	− 9	+ 8	− 3	− 3	+10	+ 1	+ 8	+30	+ 1	+16	0	−16	−30	−28	−46	0
4	− 1	−10	−10	−35	− 6	+10	+ 1	− 8	+23	+ 2	+ 2	+33	+ 3	+ 5	− 6	− 3	−28	−26	−33	0
5	− 2	− 6	− 9	−35	− 4	+17	+ 1	+14	+15	+ 8	− 1	+39	+ 7	+10	− 6	+ 1	−29	−23	−45	−16
6	− 2	− 4	− 9	−22	− 3	+14	+ 7	− 5	+12	+13	−16	+36	+ 1	+10	− 3	+ 1	−26	−26	−43	−13
7	+ 3	+ 6	− 4	−29	+ 1	+11	+14	− 6	+20	+18	− 5	+33	− 2	+10	− 9	+ 7	−31	−26	−42	−19
8	+ 3	+ 9	− 4	−15	+ 1	+40	+17	+ 1	+30	+18	+ 3	+33	+ 1	+ 3	−19	− 6	−32	−26	−45	−17
9	+19	+ 6	+ 3	−16	− 2	+37	+14	0	+28	+18	− 3	+36	− 3	+ 1	−22	−10	−30	−10	−29	−39
10	+21	0	+ 6	−16	− 2	+37	+14	−11	+20	+11	−13	+39	− 9	+ 3	−25	− 9	−26	+11	−30	−45
11	+24	+ 2	+ 9	−19	+ 4	+37	+10	−17	+15	+ 8	− 8	+32	−10	+ 7	−22	− 2	−20	+ 9	−30	−54
Noon	+16	0	+ 3	−16	+33	+33	+14	−25	+17	+ 9	− 8	+10	− 6	+12	−16	− 6	−13	− 3	−23	−55
13h	+ 6	− 7	+ 2	−27	+23	+40	+20	−28	+ 5	+ 1	−11	+ 1	+ 1	+17	−14	−15	−10	−13	−33	−68
14	0	−11	− 3	−33	+12	+17	+10	−22	+ 3	− 5	−46	+ 7	−10	+16	−19	−29	−12	−20	−39	−68
15	−17	−20	− 4	−39	− 7	+ 7	+ 1	−24	− 1	− 5	−60	+ 7	− 6	+14	−22	−27	−17	−36	−36	−65
16	−20	−20	− 8	−41	− 9	− 2	−13	−27	− 7	−18	−50	− 3	−14	+ 7	−25	−32	−13	−48	−36	−61
17	−17	−13	− 7	−37	− 8	− 7	−14	−48	−11	−16	−70	−33	−19	+ 5	−27	−31	−52	−73	−60	−51
18	− 9	−17	− 7	−30	− 6	− 9	− 3	−51	− 3	−14	−60	−35	−12	−11	−32	−39	−50	−86	−59	−55
19	0	−13	− 8	−29	−17	−10	−35	−51	− 7	−15	−48	−29	−22	−48	−34	−39	−46	−93	−78	−65
20	+ 7	−10	−10	−26	−24	− 9	−54	−51	−32	−18	−45	−35	−35	−48	−35	−34	−57	−92	−65	−62
21	+ 3	−10	−10	−26	−25	− 9	−35	−54	−48	−31	−61	−31	−29	−94	−32	−32	−41	−89	−52	−55
22	− 7	− 8	−10	−12	−17	−12	−35	−53	−50	−24	−49	−26	−11	−91	−22	−26	−34	−64	−59	−49
23	− 5	−10	−10	−19	−19	−11	−22	−40	−44	−16	−18	−22	−10	−67	−11	−21	−23	−52	−55	−36
Daily Range	50	36	26	31	76	55	83	76	109	49	82	85	59	115	41	46	65	113	54	79

MAGNETIC DISTURBANCES in DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE, recorded at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the Year 1904.

The following is a brief description of the principal magnetic disturbances recorded in the year 1901. 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 in Table XIV.

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.

The time is Mauritius Civil Time (commencing at midnight, and counting from 0^h to 24^h).

1904.		
January	$1^d.13^h$ to 21^h	Fluctuations in H.F. (±13).
	$2^d.18\frac{1}{2}^h$ to $21\frac{1}{2}^h$	Double wave in H.F. (−14 to +15): $22\frac{1}{2}^h$ to 23^h, increase of H.F. (24).
	$5^d.16^h$ to $21\frac{1}{2}^h$	Wave in H.F. (−33).
	$7^d.12^h$ to 17^h	Wave in H.F. (−20).
	$8^d.\ 9^h$ to 17^h	Wave in H.F. (−43).
	$9^d.\ 8^h$ to 15^h	Wave in H.F. (−40).
	$10^d.\ 7\frac{1}{2}^h$ to $14\frac{1}{2}^h$	Wave in H.F. (−50). $10^d.20^h$ to $11^d.6^h$, small rapid fluctuations in H.F.
	$16^d.10^h$ to 19^h	Decrease of H.F. (96). 19^h to 20^h, sharp wave in H.F. (+29).
	$28^d.14^h$ to 22^h	Irregular decrease of H.F. (133), followed by an increase (62) until $29^d.2^h$.
	$29^d.12^h$ to 17^h	Wave in H.F. (−49).
February	$5^d.\ 1^h$ to 4^h	Small fluctuations in H.F.
	$6^d.\ 1^h$ to 6^h	Two successive waves in H.F. (+22) and (+25).
	$7^d.18^h$ to $23\frac{1}{2}^h$	Double wave in H.F. (−15 to + 17).
	$12^d.\ 7^h$ to 15^h	Wave in H.F. (+ 29).
	$13^d.18^h$ to 23^h	Fluctuations in H.F. (±9).
	29^d	Accentuated diurnal variation in H.F.
March	$4^d.\ 1^h$ to 7^h	Small fluctuations in H.F.
	23^d	Accentuated diurnal variation in H.F.
	25^d	Accentuated diurnal variation in H.F.
	29^d	Accentuated diurnal variation in H.F.
April	$1^d.\ 7^h$ to $20\frac{1}{2}^h$	Long irregular wave in H.F. culminating at 15^h (−85). 7^h to $7\frac{1}{4}^h$, rapid decrease of H.F. (·41). $8\frac{3}{4}^h$, sudden decrease (19), followed immediately by sharp wave (+9). $9\frac{3}{4}^h$ to 10^h, rapid decrease (39), $15\frac{1}{4}^h$ to 17^h, wave in H.F. (+23). $20\frac{3}{4}^h$ to $23\frac{1}{2}^h$, wave in H.F. (−41): In Dec. accentuated diurnal variation. 7^h to $7\frac{1}{4}^h$, sharp-pointed wave (−5′). $8\frac{1}{4}^h$ to $10\frac{1}{2}^h$, fluctuations (±1′): In V.F. 7^h to $7\frac{1}{4}^h$ sharp wave (−8). $8\frac{3}{4}^h$ sudden increase (7), followed by sharp wave (+3). $9\frac{3}{4}^h$ to 10^h, sharp wave (−7).
	$2^d.15^h$ to $19\frac{1}{2}^h$	Wave in H.F. (−41).
	$4^d.\ 9\frac{1}{2}^h$ to 19^h	Wave in H.F. (+28).
	$8^d.12\frac{1}{2}^h$ to $9^d.8^h$	Long wave in H.F. (−29).
	$9^d.19^h$ to 21^h	Decrease of H.F. (24).
	$10^d.\ 1\frac{1}{2}^h$ to 8^h	Small fluctuations in H.F. with waves, $2\frac{1}{2}^h$ to 4^h (− 16) and $5\frac{1}{2}^h$ to $7\frac{1}{2}^h$ (− 16).
	$11^d.18^h$ to $12^d.3^h$	Small fluctuations in H.F. with double-crested wave, $12^d.0\frac{1}{2}^h$ to $2\frac{3}{4}^h$ (+ 18 and + 19).
	$13^d.10\frac{1}{2}^h$ to $12\frac{1}{2}^h$	Increase of H.F. (18), followed until $16\frac{1}{2}^h$ by a decrease (41).
	$17^d.13^h$ to $15\frac{1}{2}^h$	Decrease of H.F. (18). $17^d.20\frac{1}{4}^h$, sudden increase of H.F. (10). $18^d.1^h$ to 23^h, long wave in H.F. (+53), with small superposed fluctuations and a double wave $11\frac{1}{2}^h$ to $12\frac{1}{2}^h$ (+10 to −13); $18^d.11\frac{3}{4}^h$ to 12^h wave in V.F. (−5).

MAGNETIC DISTURBANCES in DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE, recorded at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1904—*continued.*

1904.

April	$19^d.\ 5\frac{3}{4}^h$ to $6\frac{1}{4}^h$	Increase of H.F. (21). 11^h to 18^h, decrease of H.F. (70). 18^h to $19\frac{3}{4}^h$, increase of H.F. (39).
	$20^d.13\frac{1}{2}^h$ to $15\frac{3}{4}^h$	Decrease of H.F. (27) immediately preceded by a sudden increase of H.F. (7).
	$30^d.\ 1\frac{1}{4}^h$ to $3\frac{1}{2}^h$	Wave H.F. (+22).
May	$1^d.\ 3^h$ to 16^h	Long wave in H.F. (+35), with small superposed fluctuations.
	$6^d.\ 8^h$ to 19^h	Smooth double wave in H.F. (+22 to −16).
	$7^d.13^h$ to 18^h	Wave in H.F. (−16).
	$8^d.14^h$	Sudden increase of H.F. (9), followed until 18^h by small rapid fluctuations.
	$12^d.\ 8^h$ to $13^d.19^h$	*See* Plate. $13^d.19^h$ to 24^h and $14^d.12^h$ to 19^h, register lost.
	$14^d.19^h$ to $15^d.\ 8^h$	Occasional small fluctuations in H.F.
	$24^d.\ 6\frac{1}{2}^h$ to 16^h	Occasional small rapid fluctuations in H.F.
	$27^d.20\frac{3}{4}^h$ to 21^h	Decrease of H.F. (13). $27^d.23\frac{1}{2}^h$ to $28^d.2^h$, decrease of H.F. (30). $28^d.6^h$ to $10\frac{3}{4}^h$, increase of H.F. (37), with sharp wave $10\frac{1}{2}^h$ to $10\frac{3}{4}^h$ (−·12). $28^d.10\frac{3}{4}^h$ to $29^d.8^h$, long wave in H.F. culminating at $28^d.17\frac{1}{4}^h$ (−82) with superposed waves $28^d.14^h$ to $17\frac{1}{4}^h$ (+·17), $28^h.20^h$ to 23^h (−26), $29^d.0^h$ to 3^h (+22), $29^d.4^h$ to 6^h (+19).
June	$5^d.\ 2\frac{1}{2}^h$	Sudden increase of H.F. (13), followed by small fluctuations till 7^h.
	$6^d.\ 8\frac{1}{2}^h$ to $7^d.3^h$	Frequent rapid fluctuations. $6^d.8\frac{1}{2}^h$ to $8\frac{3}{4}^h$, increase of H.F. (16). 11^h to 16^d, decrease of H.F. (51). 16^h to $18\frac{3}{4}^h$, increase of H.F. (25) with waves $16\frac{1}{4}^h$ to 17^h (+13), 18^h to $18\frac{1}{2}^h$ (− 13), and double wave $19\frac{3}{4}$ to 21^h (+11 to −10).
	$11^d.\ 4^h$ to 9^h	Small fluctuations in H.F. $11^d.12\frac{1}{2}^h$ to 16^h, wave in H.F. (+16).
	$15^d.12^h$ to $17^d.2^h$	*See* Plate.
	$17^d.13^h$ to 17^h	Wave in H.F. (−20).
	$27^d.14\frac{1}{2}^h$ to 18^h	Wave in H.F. (−26)
July	$1^d.15^h$ to $1^d.23^h$	Small fluctuations in H.F.
	$6^d.11^h$ to $7^d.13^h$	Fluctuations in H.F. $6^d.17\frac{1}{2}^h$ to 18^h, wave in H.F. (−8). $18\frac{1}{2}^h$ to $20\frac{1}{2}^h$, decrease of H.F. (36), followed till $7^d.0\frac{1}{2}^h$ by wave (+31). $7^d.0\frac{1}{2}^h$ to 1^h, rapid increase of H.F. (26). $7^d.0^h$ to 2^h, double wave in Dec. (+ 2′·1 to −2′·2).
	$10^d.\ 4\frac{1}{2}^h$ to 6^h	Wave in H.F. (+ 21) in Dec. (−3′).
	$13^d.19\frac{1}{2}^h$	Sudden increase of H.F. (14).
	$14^d.10^h$ to $15\frac{1}{2}^h$	Irregular wave in H.F. (+49).
	$14^d.20^h$ to 23^h	Rapid fluctuations in H.F. (±6).
	$20^d.\ 9^h$ to $13\frac{1}{2}^h$	Fluctuations in H.F. (±6).
August	$2^d.\ 4^h$ to 18^h	Long wave in H.F. (+40) with superposed fluctuations, and waves 6^h to $8\frac{1}{4}^h$ (−25), $8\frac{3}{4}^h$ to 10^h (−12), 12^h to $14\frac{1}{2}^h$ (+19).
	$3^d.17\frac{3}{4}^h$ to 18^h	Increase of H.F. (19). 18^h to $20\frac{1}{4}^h$, decrease of H.F. (·71). $20\frac{1}{4}^h$ to $21\frac{1}{2}^h$, increase of H.F. (·39). $4^d.4^h$ to $6\frac{1}{2}^h$, wave in H.F. (+29). Small fluctuations in H.F. from $3^d.20^h$ to $4^d.6^h$. Occasional small fluctuations in Dec.
	$8^d.\ 8\frac{1}{2}^h$ to 13^h	Wave in H.F. (−29).
	$18^d.\ 2\frac{3}{4}^h$ to $4\frac{3}{4}^h$	Wave in H.F. (+22), followed by small fluctuations till 9^h.
	$21^d.\ 9\frac{1}{4}^h$ to 10^h	Decrease of H.F. (13). $21^d.10\frac{1}{4}^h$ to 22^h, long double wave in H.F. (+29 to −19).
	$23^d.\ 8^h$ to 13^h	Wave in H.F. (−22).
	$28^d.11^h$ to 16^h	Wave in H.F. (+34).
	$29^d.18^h$ to $30^d.23^h$	Small fluctuations in H.F. $30^d.1^h$ to 4^h, wave in H.F. (− 14). 4^h to $7\frac{1}{2}^h$, wave in H.F. (−19). $30^d.7\frac{1}{2}^h$ to $31^d.11^h$, long wave in H.F. (−77), with superposed wave $30^d.16\frac{3}{4}^h$ to $20\frac{1}{2}^h$ (+26).
September	$4^d.\ 2^h$ to $13\frac{3}{4}^h$	Long wave in H.F. (+36).
	$6^d.\ 1^h$ to $16\frac{3}{4}^h$	Long wave in H.F. (+37).
	$8^d.\ 8^h$ to $10\frac{3}{4}^h$	Wave in H.F. (−13). $11\frac{3}{4}^h$ to 13^h, wave in H.F. (−8). 11^h to 23^h, frequent small fluctuations in H.F.
	$9^d.10^h$ to $13\frac{3}{4}^h$	Wave in H.F. (+33), with frequent superposed fluctuations; steep at end.
	$11^d.13^h$ to $12^d.7^h$	Occasional fluctuations in H.F. $11^d.18\frac{3}{4}^h$ to $19\frac{1}{2}^h$, increase of H.F. (·11), followed by decrease (25) till 21^h, and a further increase (49) till $12^d.1\frac{1}{2}^h$.

MAGNETIC DISTURBANCES in DECLINATION, HORIZONTAL FORCE, and VERTICAL FORCE, recorded at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1904—*continued.*

1904.

September	$16^d.\ 9\frac{1}{4}^h$ to $12\frac{1}{2}^h$	Rapid fluctuations in H.F. $11\frac{1}{2}^h$ to $12\frac{1}{2}^h$, sharp wave (+35).
	$25^d.\ 1^h$ to 3^h	Wave in H.F. (−21). 3^h to $15\frac{1}{4}^h$, decrease of H.F. (90), with wave, $6\frac{3}{4}^h$ to $15\frac{1}{4}^h$ (+56). $15\frac{1}{4}^h$ to $17\frac{1}{4}^h$, wave in H.F. (+22). $18\frac{3}{4}^h$ to 21^h, wave in H.F. (+ 29), followed by an increase of force (58) till $26^d.10^h$ in Dec. Occasional small fluctuations from $25^d.4^h$ to 20^h.
	$29^d.16^h$ to $30^d.7^h$	Small fluctuations in H.F.
October	$7^d.\ 4^h$ to 16^h	Small rapid fluctuations in H.F. $11\frac{3}{4}^h$ to $12\frac{1}{4}^h$, decrease of H.F. (35). 15^h to $17\frac{1}{2}^h$, decrease of H.F. (51). $7^d.6^h$ to 9^h, small rapid fluctuations in Dec.
	$8^d.\ 1^h$ to 3^h	Wave in H.F. (+27. 18^h to 22^h, irregular wave in H.F. (−26), steep at end. $8^d.6^h$ to 9^h, small rapid fluctuations in Dec. $8^d.21\frac{1}{2}^h$ to 22^h, wave in Dec. (+3′·8).
	$13^d.21^h$ to $14^d.6^h$	Small fluctuations in H.F. $13^d.13^h$ to 14^h, very small fluctuations in Dec.
	$21^d.13^h$ to 21^h	Decrease of H.F. (112). $22\frac{1}{2}^h$ to $23\frac{1}{4}^h$, increase of H.F. (70). $21^d.23^h$ to $22^d.0\frac{1}{2}^h$, wave in Dec. (−3′).
	$22^d.\ 5^h$ to 17^h	Long wave in H.F. (+42).
	$27^d.\ 3^h$ to 19^h	General but irregular decrease in H.F. (41), followed till $28^d.7^h$ by an increase (46).
	$28^d.\ 7^h$ to 14^h	General but irregular decrease in H.F. (37) in the form of a double wave (−13 to +13). $28^d.6^h$ to 9^h, small fluctuations in Dec.
	$31^d.\ 6^h$ to 9^h	Small fluctuations in Dec.
November	$2^d.15\frac{1}{2}^h$	Sudden increase of H.F. (16), followed till $17\frac{1}{2}^h$ by a decrease (60). $17\frac{1}{2}^h$ to $22\frac{1}{2}^h$, general increase of H.F. (40), with wave 19^h to $21\frac{1}{2}^h$ (−19). Small fluctuations in H.F. from $15\frac{1}{2}^h$ to 17^h and from 22^h to $3^d.5^h$.
	$4^d.\ 7\frac{1}{2}^h$ to $10\frac{1}{2}^h$	Increase of H.F. (49), followed till 19^h by decrease (17). 21^h to 23^h, increase of H.F. (41).
	$5^d.16^h$ to 23^h	Three successive waves in H.F. (−23), (−36), and (−19), culminating respectively at 17^h, 19^h, and $21\frac{3}{4}^h$.
	$16^d.\ 3\frac{1}{2}^h$ to 13^h	Decrease of H.F. (81), with small fluctuations from 1^h to 17^h. In Dec. waves (+ 3′) from $16^d.6^h$ to $7\frac{1}{4}^h$ and (− 2′) from $16^d.9^h$ to $11\frac{1}{2}^h$.
	$25^d.\ 9^h$ to $26^d.21^h$	*See* Plate.
December	$3^d.18\frac{1}{4}^h$	Sharp increase of H.F. (17), followed till 19^h by a decrease (29) and by small fluctuations till 21^h.
	$9^d.\ 1^h$ to 14^h	General increase of H.F. (37), followed till 18^h by a decrease (69).
	$14^d.19^h$ to $15^d.23^h$	Small fluctuations in H.F.
	$16^d.\ 0^h$ to 3^h	Wave in H.F. (+35). 8^h to 15^h, wave in H.F. (+36), with small superposed fluctuations lasting till 23^h.
	$21^d.13^h$ to 22^h	Wave in H.F. (− 31).
	$25^d.\ 7^h$ to 11^h	Wave in H.F. (− 22).
	$27^d.\ 8^h$ to $13\frac{1}{2}^h$	Wave in H.F. (− 28).

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

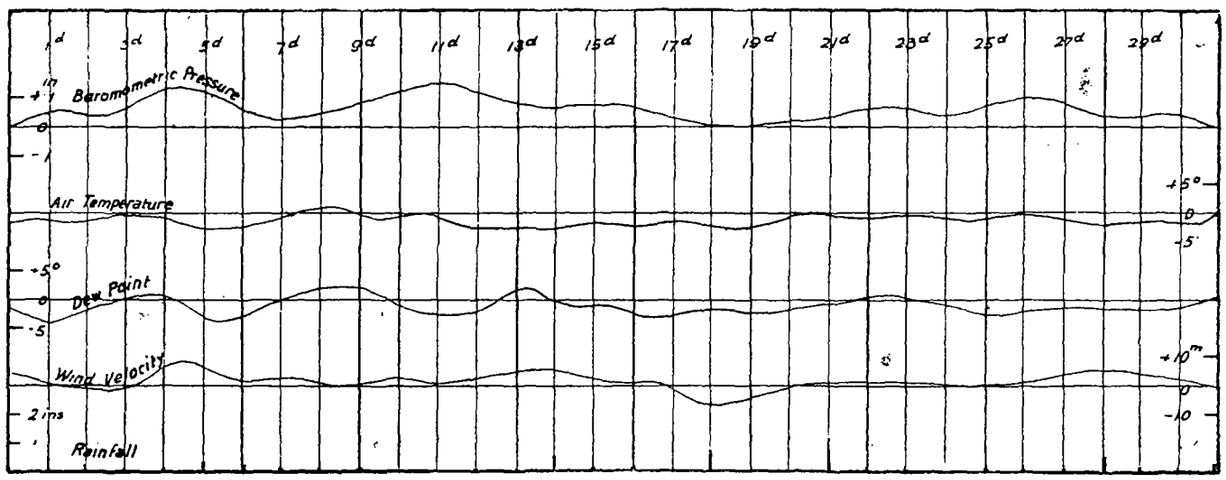
RESULTS

OF

METEOROLOGICAL OBSERVATIONS.

1904.

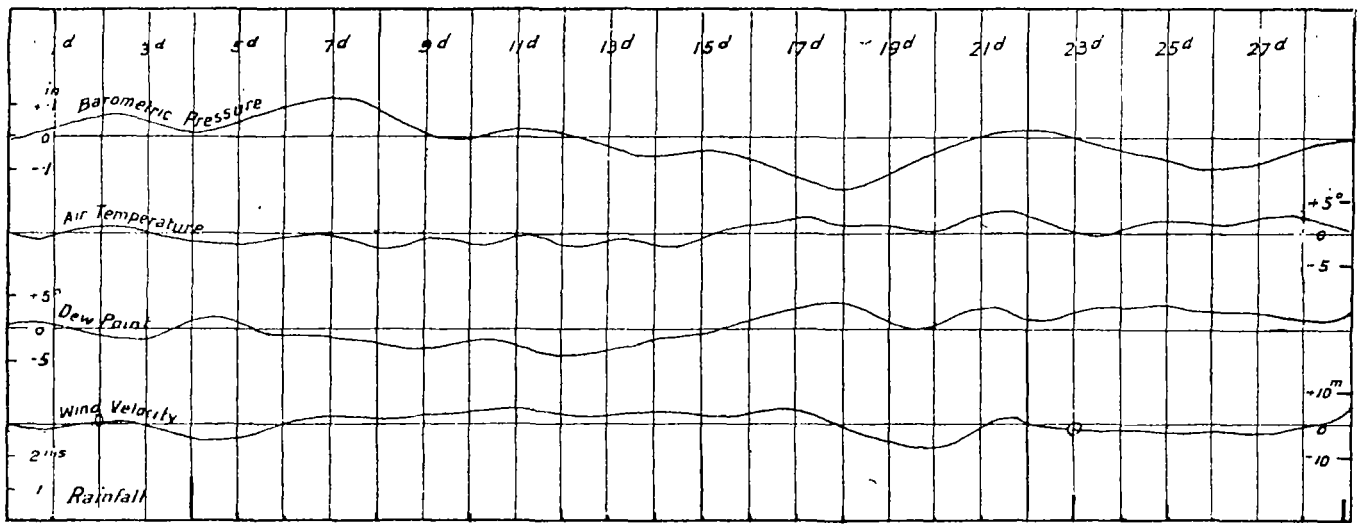
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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.
Jan. 1	29·834	+·056	85·6	69·9	15·7	77·2	−1·5	70·2	65·3	−4·0	67	− 6	·624	140·6	66·1	0·000	..	·316
2	29·821	+·045	85·5	71·0	14·5	77·4	−1·3	71·6	67·4	−1·9	71	− 2	·671	146·4	68·1	0·160	40	·300
3	29·850	+·076	87·7	71·1	16·6	78·1	−0·6	72·8	69·2	−0·2	74	+ 1	·713	146·4	68·1	0·070	95	·300
4	29·906	+·134	85·2	74·1	11·1	77·9	−0·8	73·3	70·0	+0·5	77	+ 3	·733	150·1	71·6	0·165	70	·345
5	29·892	+·122	83·3	71·6	11·7	76·6	−2·2	70·6	66·4	−3·2	71	− 3	·648	142·7	69·1	0·105	50	·295
6	29·835	+·066	83·5	69·4	14·1	76·3	−2·5	70·9	67·0	−2·6	73	− 1	·661	143·4	66·4	0·090	35	·280
7	29·802	+·035	84·8	72·2	12·6	77·7	−1·1	73·2	70·1	+0·4	78	+ 4	·736	145·0	69·4	0·050	40	·210
8	29·813	+·048	89·3	74·1	15·2	79·6	+0·8	74·9	71·7	+1·9	77	+ 3	·777	153·0	71·2	0·085	62	·215
9	29·843	+·080	84·5	74·0	10·5	78·0	−0·8	74·5	72·0	+2·2	82	+ 7	·785	141·6	72·0	0·060	47	·180
10	29·885	+·124	85·7	71·7	14·0	78·4	−0·5	72·7	68·7	−1·2	72	− 3	·701	145·1	69·4	0·000	..	·300
11	29·913	+·154	85·3	70·8	14·5	77·9	−1·0	71·6	67·3	−2·7	70	− 5	·668	144·7	67·1	0·000	..	·250
12	29·869	+·112	84·5	71·5	13·0	76·3	−2·6	71·3	67·8	−2·2	75	0	·680	142·8	70·3	0·130	60	·210
13	29·840	+·085	84·5	71·0	13·5	76·5	−2·4	71·0	67·0	−3·1	72	− 3	·661	146·0	68·2	0·100	60	·255
14	29·814	+·061	83·5	71·3	12·2	76·3	−2·6	72·3	69·4	−0·7	79	+ 4	·718	144·2	69·6	0·360	160	·295
15	29·825	+·074	84·5	71·5	13·0	77·3	−1·6	72·5	69·1	−1·1	76	+ 1	·711	145·2	69·1	0·020	20	·240
16	29·813	+·064	84·7	71·3	13·4	76·4	−2·5	71·4	67·8	−2·4	75	0	·680	141·6	68·7	0·055	50	·245
17	29·769	+·022	86·5	70·0	16·5	77·7	−1·2	71·6	67·4	−2·9	71	− 5	·671	148·9	67·0	0·000	..	·270
18	29·746	+·001	87·7	69·3	18·4	76·3	−2·7	71·7	68·5	−1·8	77	+ 1	·697	143·1	65·7	0·560	135	·200
19	29·752	+·009	86·2	67·6	18·6	76·4	−2·6	71·5	68·1	−2·3	76	0	·687	148·3	64·0	0·000	..	·180
20	29·755	+·014	87·2	69·8	17·4	78·8	−0·2	72·8	68·7	−1·7	71	− 5	·701	150·6	66·3	0·000	..	·260
21	29·773	+·033	86·1	74·4	11·7	78·4	−0·6	73·3	69·8	−0·7	75	− 1	·728	142·1	73·0	0·700	110	·320
22	29·802	+·064	84·1	73·1	11·0	78·1	−0·8	73·9	71·0	+0·5	79	+ 3	·759	145·9	70·0	0·010	15	·180
23	29·796	+·059	85·3	73·7	11·6	78·7	−0·2	74·0	70·8	+0·3	77	+ 1	·754	145·9	71·8	0·055	35	·245
24	29·775	+·040	85·2	72·1	13·1	78·2	−0·7	73·0	69·3	−1·3	74	− 2	·716	145·9	69·0	0·000	..	·250
25	29·812	+·078	86·4	70·3	16·1	78·0	−0·9	71·8	67·6	−3·0	71	− 5	·675	144·1	66·2	0·010	10	·260
26	29·833	+·100	86·6	74·0	12·6	78·8	−0·1	72·5	68·2	−2·4	70	− 6	·689	145·3	71·0	0·025	20	·275
27	29·812	+·080	84·3	71·6	12·7	77·4	−1·5	72·3	68·8	−1·9	75	− 1	·704	140·3	68·9	0·115	50	·215
28	29·773	+·042	82·6	72·2	10·4	77·0	−1·9	72·6	69·5	−1·2	78	+ 2	·721	143·9	70·3	0·460	105	·240
29	29·770	+·040	84·3	73·3	11·0	77·2	−1·7	72·4	69·0	−1·7	76	0	·708	147·1	70·9	0·060	25	·230
30	29·766	+·037	84·2	71·9	12·3	77·4	−1·5	72·5	69·2	−1·5	76	0	·713	142·9	69·4	0·010	10	·260
31	29·718	−·010	87·9	72·4	15·5	78·8	−0·1	74·3	71·2	+0·5	77	+ 1	·764	151·5	68·8	0·035	60	·195
Mean	29·813	+·063	85·4	71·7	13·7	77·6	−1·3	72·4	68·8	−1·4	74·6	−0·5	·705	145·3	68·9	Sum 3·490	Sum 1364	·252
Average	29·750	..	86·2	72·8	13·4	78·9	..	73·8	70·2	..	75·1	..	·737	147·2	68·9	7·636	2170	·247
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	1·0	4·2	9·8	74	− 2·2	+ 9·3	77	9·5	− 14	+ 1·0	9·9	78·0	75·92	c.f. : c. : c.f.
2	2·5	5·6	10·8	81	− 0·5	+ 8·1	86	8·0	− 4	− 0·5	8·8	78·0	75·92	c.r. : c.f. : c.
3	1·0	6·8	10·7	80	+ 1·8	+ 7·1	105	7·3	+ 15	− 1·2	9·3	78·0	75·92	c.p. : c.f.
4	1·0	8·0	10·1	76	− 0·7	+14·8	87	14·8	− 3	+ 6·3	15·1	78·0	75·92	c.f. : c.p. : c. : c.p.
5	4·0	7·7	9·8	74	− 1·8	+14·8	83	14·9	− 6	+ 6·4	15·1	78·1	75·97	c.p. : c.f. : c.p.
6	3·0	5·3	11·2	85	− 1·6	+10·4	81	10·5	− 8	+ 2·0	11·0	78·1	75·97	c.p. : c.f.
7	2·0	7·4	8·4	64	+ 1·2	+ 9·9	97	10·1	+ 8	+ 1·6	10·4	78·1	75·97	c.f. : c.p. : c.f.
8	2·0	9·2	8·0	61	+ 5·3	+ 7·6	125	9·3	+ 36	+ 0·8	9·8	78·1	75·97	c.p. : c.t. : c.p.l.
9	0·0	9·4	3·7	28	+ 2·9	+ 8·1	110	8·6	+ 22	+ 0·1	8·9	78·2	76·02	c.p.l. : c.p. : c.t. : c.f.l.
10	1·0	4·8	11·4	86	+ 1·8	+11·2	99	11·3	+ 11	+ 2·8	11·4	78·2	76·02	l.c.f. : c.f. : b.
11	3·0	6·2	10·2	77	− 1·6	+ 9·7	81	9·8	− 7	+ 1·3	10·3	78·3	76·02	c.f. : b.
12	3·0	8·9	7·1	54	− 3·1	+11·2	75	11·6	− 8	+ 3·2	12·2	78·3	76·02	c.p. : c.f. : o. : c.p.
13	3·0	7·3	9·6	73	− 4·2	+12·7	72	13·4	− 15	+ 5·0	13·8	78·3	76·02	b. : c.f. : c.p. : c.f. : c.p.
14	3·5	8·0	9·3	70	− 0·3	+13·5	89	13·5	+ 2	+ 5·1	13·9	78·4	76·07	c.p. : c.f. : c.p. : b.
15	3·0	6·2	10·3	78	− 0·5	+10·8	87	10·8	+ 1	+ 2·4	11·0	78·4	76·07	c.f. : p. : c.f.
16	3·5	7·4	8·2	62	− 1·2	+ 9·9	83	10·0	− 3	+ 1·6	10·3	78·5	76·07	c.f. : c.p. : c.f. : b.
17	0·5	3·8	9·2	70	+ 1·2	+ 7·1	100	7·2	+ 14	− 1·2	7·7	78·5	76·12	b. : c.f. : c. : c.f.
18	0·0	6·0	6·2	47	− 1·3	− 0·8	328	1·5	+ 242	− 6·9	4·7	78·6	76·12	c.f. : c.p. : b.
19	0·5	6·0	7·8	60	− 4·3	+ 1·2	16	4·5	− 70	− 3·9	6·2	78·7	76·12	b. : c.f. : c. : b.
20	1·0	5·2	12·0	92	0·0	+ 7·3	90	7·3	+ 5	− 1·1	7·7	78·7	76·17	c.f : b. : c.f.
21	1·0	7·0	8·3	63	+ 2·2	+ 9·1	104	9·3	+ 19	+ 0·9	9·6	78·7	76·17	c.p. : c.f : c. : c.p.
22	1·5	9·0	8·1	62	+ 1·4	+ 9·6	98	9·8	+ 13	+ 1·4	9·9	78·7	76·17	c.p. : c.f. : c. : c.f.
23	2·0	6·7	10·8	82	+ 2·3	+ 8·8	105	9·1	+ 20	+ 1·3	9·3	78·7	76·17	c.p. : c.f. : b. : c.p.
24	0·0	4·3	11·1	85	+ 0·5	+ 9·0	94	9·0	+ 10	+ 1·4	9·1	78·7	76·17	c.p. : b. : c.f. : o. : b.
25	1·0	5·5	12·1	92	− 2·1	+ 9·1	78	9·3	− 6	+ 1·0	9·5	78·8	76·22	b. : c.f.
26	2·0	6·7	10·9	84	− 3·2	+ 8·9	70	9·5	− 14	+ 1·2	9·7	78·9	76·22	c.p. : c.f. : c.
27	2·0	9·0	5·6	43	− 1·8	+12·4	82	12·5	− 2	+ 4·2	12·8	78·9	76·22	c. : c.p. o.
28	1·0	8·0	8·2	63	− 2·8	+13·4	78	13·7	− 6	+ 5·4	13·9	79·0	76·27	c.p.l.t. : c.f. : c.p.t. : c.f.l.
29	1·0	6·8	9·0	69	− 0·4	+12·3	88	12·3	+ 5	+ 4·0	12·7	79·0	76·27	c.f.l.t. : c.p.t : c.d.t. : c.f.
30	0·5	5·7	10·9	84	− 2·0	+10·4	79	10·6	− 4	+ 2·3	11·0	79·0	76·32	b. : c.d. : c.t. : c.f.
31	0·5	8·8	7·5	58	+ 3·9	+ 7·2	118	8·2	+ 35	− 0·1	8·6	79·0	76·32	c.p. : o.p. : c.
Mean	1·6	6·8	9·24	70·2	− 0·36	+ 9·49	87·8	9·50	+ 1·3	+ 1·08	10·44	78·48	76·09	..
Average	3·3	6·4	7·69	58·6	− 0·52	+ 8·40	86·5	8·42	..	..	11·07	79·92	77·12	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

From the 1st to the 18th there was a large positive wave of pressure, with a superposed negative wave, culminating on the 7th, and accompanied by double waves of temperature and vapour tension (from negative to positive). A general decrease of wind and rainfall on each day, from the 2nd to the 9th, amounting to 0·78 inch. A positive wave of pressure occurred from the 18th to the 31st. The temperature and wind velocity were nearly normal from the 20th to the 26th; feeble waves followed in both elements, negative in the former and positive in the latter. The vapour tension showed a long negative wave, with a superposed negative wave culminating on the 22nd. The principal rain fell on the 18th, 21st, and 28th.

Month and Day, 1904.	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.
Feb. 1	29·757	+·030	84·8	73·3	11·5	78·7	−0·2	74·5	71·6	+0·8	79	+ 3	·774	147·7	70·1	0·050	30	·210
2	29·792	+·066	86·7	72·7	14·0	79·1	+0·3	73·3	69·4	−1·4	72	− 4	·718	148·1	69·9	0·000	..	·270
3	29·778	+·052	88·0	70·4	17·6	79·0	+0·2	73·0	68·8	−2·0	71	− 5	·704	145·6	66·2	0·000	..	·300
4	29·740	+·014	82·4	72·0	10·4	77·1	−1·7	74·1	72·1	+1·3	85	+ 8	·788	127·8	68·0	1·070	445	·180
5	29·767	+·042	85·2	71·4	13·8	77·1	−1·7	73·8	71·6	+0·7	83	+ 6	·774	147·6	68·9	0·220	210	·190
6	29·821	+·096	84·6	72·1	12·5	77·8	−1·0	73·4	70·3	−0·6	78	+ 1	·741	145·8	68·4	0·020	15	·220
7	29·849	+·124	84·8	72·3	12·5	78·2	−0·5	73·0	69·4	−1·5	74	− 3	·718	145·8	68·1	0·000	..	·250
8	29·809	+·084	83·9	72·1	11·8	76·1	−2·6	71·8	68·8	−2·1	78	+ 1	·704	146·9	66·8	0·265	85	·185
9	29·735	+·010	83·7	72·5	11·2	77·7	−1·0	71·7	67·5	−3·4	71	− 6	·673	146·3	70·3	0·000	..	·240
10	29·725	−·001	83·7	71·7	12·0	76·8	−1·9	72·2	69·0	−1·9	77	0	·708	149·7	68·6	0·115	45	·225
11	29·749	+·023	84·5	74·7	9·8	78·1	−0·5	72·1	68·0	−2·9	71	− 6	·684	152·8	72·9	0·000	..	·230
12	29·742	+·015	82·4	72·3	10·1	76·6	−2·0	70·9	67·0	−4·0	72	− 5	·661	142·7	69·9	0·395	35	·215
13	29·689	−·038	84·7	71·3	13·4	77·7	−0·9	72·0	68·1	−2·9	72	− 5	·687	144·1	67·5	0·020	20	·200
14	29·665	−·062	82·4	71·1	11·3	76·6	−1·9	72·2	69·2	−1·8	78	+ 1	·713	146·2	68·4	0·250	155	·280
15	29·688	−·040	84·2	73·3	10·9	77·6	−0·9	73·1	70·0	−1·0	78	+ 1	·733	145·9	71·1	0·065	70	·185
16	29·654	−·075	86·0	74·7	11·3	79·6	+1·1	75·5	72·7	+1·7	80	+ 2	·804	144·2	71·9	0·030	25	·170
17	29·607	−·123	87·7	77·4	10·3	81·0	+2·5	77·1	74·4	+3·4	80	+ 2	·851	143·1	75·7	0·050	25	·180
18	29·567	−·164	86·2	74·4	11·8	80·1	+1·6	77·2	75·3	+4·3	86	+ 8	·877	152·8	74·8	0·145	75	·145
19	29·617	−·115	87·5	73·0	14·5	79·8	+1·4	75·1	71·8	+0·8	77	− 1	·779	152·3	68·8	0·000	..	·210
20	29·689	−·044	88·4	71·5	16·9	78·7	+0·3	74·5	71·6	+0·6	79	0	·774	151·9	67·4	0·010	10	·160
21	29·732	−·002	89·4	75·3	14·1	81·4	+3·1	77·0	74·0	+3·0	78	− 1	·840	148·3	71·9	0·155	30	·225
22	29·758	+·023	89·9	74·4	15·5	81·1	+2·8	75·8	72·2	+1·2	75	− 4	·790	151·9	70·1	0·000	..	·220
23	29·722	−·014	85·4	75·3	10·1	78·3	0·0	75·6	73·7	+2·7	86	+ 7	·832	140·8	73·5	0·710	85	·170
24	29·699	−·038	86·0	74·6	11·4	78·8	+0·6	76·1	74·3	+3·3	86	+ 7	·848	148·1	71·2	0·265	110	·170
25	29·676	−·062	87·1	73·7	13·4	80·1	+1·9	76·9	74·7	+3·8	84	+ 5	·860	148·8	72·7	0·515	100	·235
26	29·639	−·100	82·5	73·0	9·5	79·5	+1·4	75·9	73·4	+2·5	82	+ 3	·823	145·4	69·9	0·000	..	·190
27	29·656	−·084	88·5	73·4	15·1	80·5	+2·4	76·2	73·3	+2·4	79	0	·820	147·1	70·2	0·000	..	·220
28	29·710	−·031	87·2	74·3	12·9	80·2	+2·1	75·4	72·1	+1·2	77	− 2	·788	140·5	70·9	0·065	35	·265
29	29·740	−·003	86·4	74·1	12·3	78·3	+0·2	75·4	73·4	+2·5	85	+ 6	·823	147·4	70·8	0·645	115	·255
Mean	29·716	−·015	85·7	73·2	12·5	78·7	+0·2	74·3	71·3	−0·4	78·4	+0·7	·769	146·4	70·2	Sum 5·060	Sum 1720	·214
Average	29·731	..	85·6	73·0	12·6	78·5	..	74·1	70·9	..	77·7	..	·757	147·2	68·9	7·938	2099	·215
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

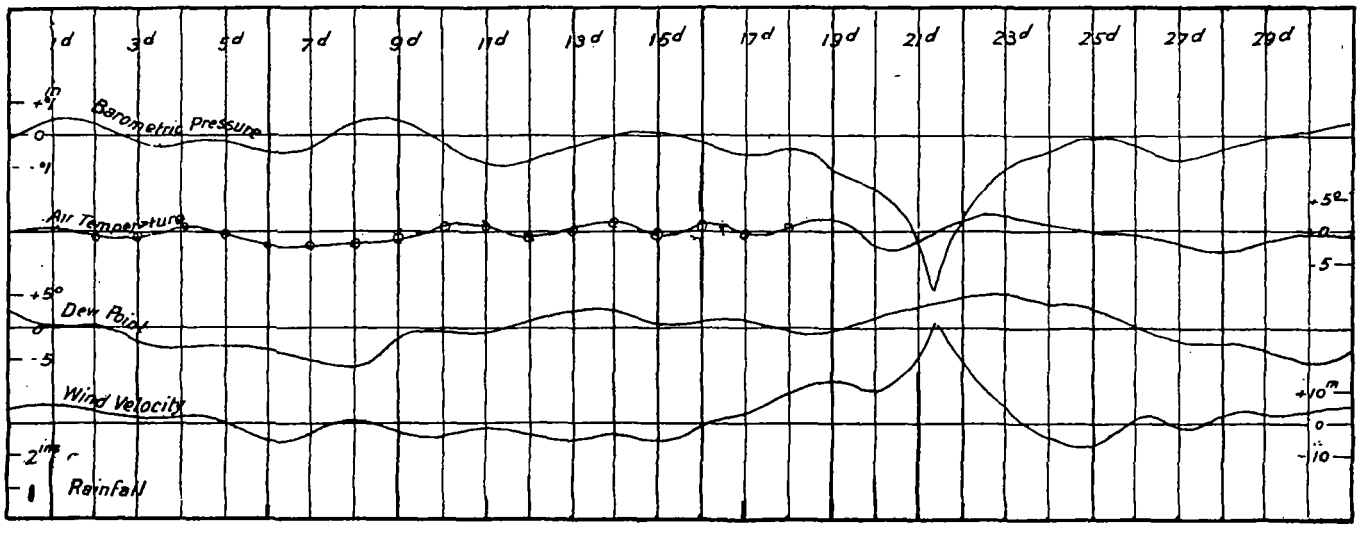


Month and Day, 1904.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above 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	0·0	9·2	6·8	52	+ 2·9	+ 7·7	111	8·2	+ 28	— 0·1	8·4	79·0	76·32	c. : c.f. : d.c. : o.d.: c.p.
2	0·0	5·8	10·9	84	+ 2·0	+ 9·3	102	9·5	+ 19	+ 1·2	9·6	79·1	76·32	c.f.
3	0·0	3·2	10·7	83	+ 1·1	+ 7·6	98	7·7	+ 15	— 0·6	7·7	79·1	76·37	b. : c.f. : c.
4	0·0	7·5	2·0	16	— 0·3	+ 2·8	84	2·8	+ 2	— 5·4	5·1	79·1	76·37	c.f. : b. : c. : c.r. : c. : o.r.
5	1·0	6·9	4·5	35	+ 2·0	+ 3·2	122	3·8	+ 40	— 4·4	6·7	79·2	76·42	c.f. : c. : c.t. : o.r.
6	0·5	5·3	11·0	85	— 2·2	+ 8·8	76	9·1	— 6	+ 0·9	9·3	79·3	76·42	c.p.: c.f.: c. : c.f. : c.p.
7	1·0	5·2	11·5	89	— 3·6	+10·4	71	11·0	— 11	+ 2·8	11·2	79·2	76·37	c.f. : c. : c.f.
8	1·0	6·8	7·3	57	— 2·1	+ 9·9	78	10·1	— 4	+ 1·9	10·5	79·3	76·42	c.f. : c.p. : c.t.r. : c.p.: c.f.
9	3·0	5·0	11·1	87	— 4·4	+10·8	68	11·7	— 14	+ 3·5	11·8	79·3	76·42	c.f. : c. : c.f.
10	3·0	9·1	6·3	49	— 0·4	+12·3	88	12·3	+ 1	+ 4·1	12·8	79·3	76·42	c.p.: c.f.: c.p. : c. : c.f.
11	3·5	9·4	5·4	42	— 3·9	+13·1	73	13·6	— 9	+ 5·4	13·7	79·3	76·47	c.
12	3·5	8·9	4·1	32	— 3·6	+10·6	71	11·2	— 10	+ 3·1	11·4	79·4	76·52	o. : c.r.: c. : c.f.
13	3·0	5·2	10·5	82	— 1·2	+10·8	84	10·9	+ 3	+ 2·8	11·3	79·4	76·52	c.f.: b. : c.f. : c.
14	3·0	8·9	7·2	56	— 1·0	+13·0	86	13·0	+ 5	+ 4·9	13·3	79·4	76·52	o.p. : c.p. : c. : c.p.
15	3·0	7·9	7·9	62	+ 1·9	+10·9	100	11·0	+ 19	+ 2·9	11·4	79·4	76·52	c.p. : c.
16	3·5	9·6	4·9	39	+ 9·9	+ 7·0	145	12·1	+ 64	+ 4·0	12·7	79·4	76·52	o.p. : c.
17	0·5	9·5	5·9	46	+11·8	+ 2·9	166	12·1	+ 85	+ 4·0	12·4	79·4	76·67	c. : o. : c.p.: c. : o.p.: c.
18	0·5	9·7	4·8	38	+ 4·3	— 6·1	235	7·4	+ 154	— 0·7	10·1	79·3	76·52	l.t.c. : c.p. : c.l.
19	0·5	7·6	9·4	74	— 1·5	— 2·8	298	3·1	+ 217	— 5·0	5·8	79·4	76·62	c. : c.f. : b.
20	0·0	8·8	7·8	62	— 0·8	+ 0·2	14	0·8	— 67	— 7·3	5·2	79·5	76·67	c.f. : c. : c.f.: c.p. : c.p.
21	3·0	6·5	11·0	87	+ 5·9	+ 5·4	138	8·1	+ 57	+ 0·1	8·6	79·5	76·72	b. : c.p. : c.f.l. : c.t.
22	0·5	6·0	8·7	69	+ 4·2	+ 6·4	123	7·7	+ 45	— 0·3	8·2	79·5	76·72	c.l t. : c.f. : c.f.l.t.
23	0·5	9·4	4·1	32	+ 0·2	+ 6·5	92	6·5	+ 12	— 1·5	7·8	79·6	76·77	c.l.t.: c.p. :c.t-sm.r.: o.
24	0·5	9·4	5·6	44	+ 4·1	+ 5·6	126	7·0	+ 46	— 1·0	8·2	79·6	76·77	c.p.t. : o.p. : c.l.
25	0·5	9·6	4·8	38	+ 6·0	+ 1·1	170	6·1	+ 90	— 1·9	7·5	79·6	76·77	c.p. : : c.r.
26	0·0	8·1	10·0	80	+ 6·2	+ 1·9	163	6·5	+ 83	— 1·5	7·3	79·6	76·77	c. : c.t. : c.f.t.l.
27	0·0	6·0	11·3	90	+ 4·8	— 0·6	187	4·8	+ 107	— 3·2	5·9	79·6	76·77	c.f.l. : c. : c.f.
28	0·0	5·5	11·3	90	— 0·2	+ 7·9	89	7·9	+ 9	— 0·1	8·7	79·6	76·82	c.f. : c.f.l. : c.p.
29	2·5	8·4	3·8	30	— 2·7	+12·1	77	12·4	— 3	+ 4·4	12·7	79·7	76·82	c.f. : c.p. :c.t-sm.r.: o.p.l.t.
Mean -	1·3	7·5	7·61	59·8	+ 1·36	+ 6·51	78·2	6·65	— 3·0	— 1·48	9·49	79·38	76·56	..
Average	3·1	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

Superposed on a positive wave of pressure, a negative wave culminated on the 4th, and was accompanied by negative waves of temperature and wind velocity, a positive wave of vapour tension, and heavy rainfall. The passage of a cyclone from 400 miles to North-West of Mauritius on the 14th to 400 miles to West on the 16th, and 350 miles to South-West on the 18th, produced a decrease of pressure and an increase of temperature and vapour tension. During the subsequent increase of pressure negative waves of temperature, vapour tension, and wind velocity occurred.

A negative wave of pressure from the 23rd to the 29th was accompanied by positive waves of temperature and vapour tension, and a feeble negative wave of wind velocity. 1·49 in. of rain fell during the decrease of pressure from the 23rd to the 25th.

Month and Day, 1904.	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	29·792	+·048	83·4	73·6	9·8	78·3	+0·3	74·3	71·5	+0·6	80	+ 1	·772	142·1	71·3	1·965	150	·100
2	29·785	+·040	83·5	74·3	9·2	77·1	−0·9	73·7	71·4	+0·5	83	+ 4	·769	142·0	71·3	0·215	70	·195
3	29·718	−·029	83·4	71·2	12·2	77·5	−0·4	72·4	68·8	−2·1	74	− 5	·704	139·5	66·9	0·000	..	·230
4	29·719	−·030	84·8	72·3	12·5	78·0	+0·1	72·2	68·1	−2·8	71	− 8	·687	144·2	67·9	0·005	10	·255
5	29·730	−·019	85·4	70·8	14·6	77·4	−0·4	71·8	67·9	−3·0	72	− 8	·682	145·0	66·0	0·000	..	·200
6	29·696	−·054	84·8	67·8	17·0	75·4	−2·4	71·1	68·0	−2·8	78	− 2	·684	150·7	60·7	0·405	80	·165
7	29·714	−·038	84·7	69·1	15·6	75·7	−2·1	69·9	65·7	−5·1	71	− 9	·633	146·4	62·5	0·000	..	·180
8	29·785	+·032	83·0	69·0	14·0	75·5	−2·2	69·5	65·2	−5·6	70	− 10	·622	134·2	63·1	0·000	..	·250
9	29·800	+·046	86·2	68·9	17·3	76·6	−1·1	72·3	69·3	−1·5	78	− 2	·716	154·2	64·3	0·015	15	·185
10	29·734	−·022	87·2	70·0	17·2	78·3	+0·7	73·7	70·5	−0·3	77	− 3	·746	148·3	65·0	0·000	..	·220
11	29·668	−·090	86·0	69·4	16·6	78·1	+0·5	73·6	70·5	−0·2	78	− 2	·746	147·9	65·1	0·530	40	·290
12	29·683	−·076	82·5	71·9	10·6	76·7	−0·8	73·4	71·2	+0·5	83	+ 3	·764	146·3	68·0	0·940	140	·190
13	29·736	−·025	84·4	73·3	11·1	77·6	+0·1	74·9	73·0	+2·3	85	+ 5	·812	133·8	71·3	0·040	55	·100
14	29·760	−·002	87·3	72·0	15·3	78·7	+1·3	75·3	73·0	+2·3	83	+ 3	·812	147·9	68·5	0·000	..	·180
15	29·776	+·012	85·0	71·1	13·9	77·2	−0·1	73·8	71·4	+0·7	82	+ 2	·769	143·9	67·5	0·030	10	·150
16	29·741	−·025	85·3	73·9	11·4	78·1	+0·8	74·2	71·5	+0·9	80	0	·772	151·3	69·9	0·070	60	·170
17	29·710	−·057	83·5	72·7	10·8	76·9	−0·3	73·6	71·4	+0·8	83	+ 3	·769	147·9	70·6	0·440	240	·200
18	29·722	−·047	83·0	72·4	10·6	77·9	+0·7	73·1	69·8	−0·8	76	− 4	·728	143·3	69·4	0·030	10	·250
19	29·670	−·100	83·0	74·3	8·7	78·7	+1·6	73·6	70·0	−0·5	75	− 5	·733	139·4	73·9	0·705	65	·155
20	29·602	−·170	78·6	72·0	6·6	75·0	−2·1	73·3	72·1	+1·6	91	+ 11	·788	90·9	71·9	1·410	735	·060
21	29·405	−·369	78·2	73·0	5·2	75·5	−1·5	74·0	72·9	+2·5	91	+ 11	·810	78·2	71·8	4·695	1025	·060
22	29·498	−·277	83·4	75·6	7·8	79·0	+2·0	76·4	74·7	+4·3	87	+ 6	·860	132·7	74·4	0·450	105	·200
23	29·678	−·099	84·1	76·4	7·7	79·2	+2·3	77·0	75·5	+5·1	88	+ 7	·883	146·3	72·8	0·580	175	·215
24	29·728	−·051	84·4	73·3	11·1	78·1	+1·2	75·8	74·1	+3·8	87	+ 6	·843	146·9	70·0	0·045	60	·115
25	29·775	−·006	82·6	72·1	10·5	76·4	−0·4	74·6	73·4	+3·1	90	+ 9	·823	139·9	68·8	0·335	205	·095
26	29·748	−·035	80·8	73·2	7·6	76·3	−0·4	72·8	70·3	+0·1	82	+ 1	·741	138·8	71·0	0·015	25	·125
27	29·705	−·079	81·2	71·4	9·8	74·8	−1·9	70·8	67·9	−2·3	79	− 2	·682	144·1	69·3	0·035	55	·115
28	29·746	−·040	78·6	70·1	8·5	73·0	−3·6	70·0	67·8	−2·3	84	+ 3	·680	149·2	66·9	0·035	30	·115
29	29·775	−·013	80·6	70·3	10·3	74·9	−1·7	69·8	66·2	−3·9	74	− 7	·644	145·4	68·2	0·000	..	·190
30	29·799	+·009	81·2	72·2	9·0	75·5	−1·0	69·2	64·6	−5·4	69	− 12	·609	148·2	68·1	0·000	..	·210
31	29·820	+·028	81·0	71·9	9·1	75·9	−0·6	69·6	65·2	−4·8	69	− 12	·622	135·3	67·8	0·000	..	·240
Mean	29·717	−·049	83·3	71·9	11·4	76·9	−0·4	72·9	70·1	−0·5	79·7	−0·5	·739	140·1	68·5	Sum 12·990	Sum 3360	·174
Average	29·766	..	84·1	72·1	12·0	77·3	..	73·3	70·6	..	80·2	..	·747	145·0	68·1	9·570	2856	·185
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

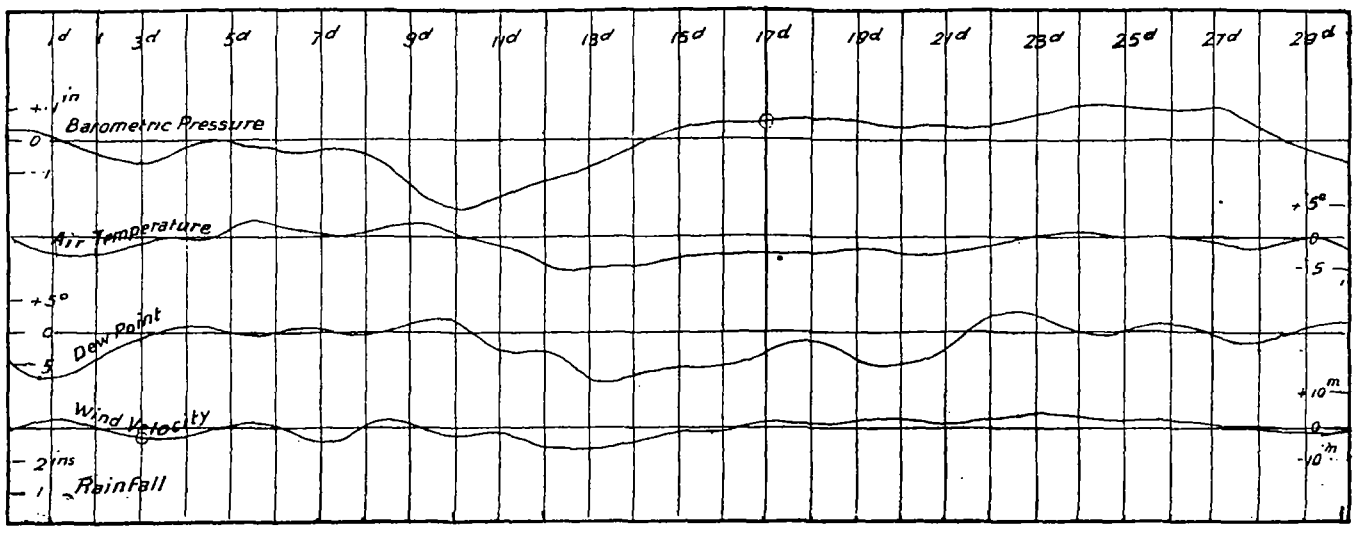


Month and Day, 1904.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above 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	8·9	8·0	65	+ 0·4	+14·6	92	14·6	+ 12	+ 6·6	14·8	79·8	76·87	o.l.t.r. : c.p. : c.
2	2·5	8·2	8·0	65	− 3·3	+11·5	74	12·0	− 6	+ 4·0	12·3	79·8	76·87	c. : c.p. : c.
3	0·5	6·0	10·8	87	− 5·1	+ 9·1	61	10·4	− 19	+ 2·4	10·6	79·8	76·87	c.f.
4	2·0	3·5	11·0	89	− 5·2	+ 8·5	59	10·0	− 21	+ 2·0	10·3	79·9	76·92	b. : c.f.
5	1·5	4·8	10·4	84	− 4·6	+ 7·0	57	8·4	− 23	+ 0·4	8·6	80·0	76·92	c.f : b.
6	0·5	6·0	7·5	60	− 1·4	+ 1·5	47	2·0	− 32	− 6·0	4·7	80·0	76·92	b. : c.f. : c.p. : b.
7	0·5	3·4	8·4	68	− 4·7	+ 3·0	33	5·6	− 46	− 2·4	6·5	80·1	76·92	b. : c.f. : b.
8	1·0	2·0	11·4	93	− 3·9	+ 8·1	64	9·0	− 15	+ 1·0	9·4	80·1	76·97	b.
9	0·0	5·2	9·1	74	+ 1·5	+ 5·4	106	5·6	+ 27	− 2·4	6·8	80·1	76·97	c.f. : c.p. : c.f.
10	0·5	4·8	10·9	89	+ 4·3	+ 0·7	171	4·3	+ 92	− 3·7	6·1	80·1	76·97	c.f.
11	1·0	7·7	9·3	76	+ 2·6	− 5·6	245	6·2	+ 166	− 1·8	7·2	80·1	76·97	c.f.l. : c.f. : o.t-sm.
12	2·0	6·5	6·6	54	− 3·1	+ 4·2	54	5·2	− 25	− 2·8	6·0	80·1	76·97	c.f.l. : c.p. : o.r. : c.p.l.
13	0·5	8·6	3·5	29	+ 2·2	+ 1·5	146	2·7	+ 67	− 5·3	5·2	80·1	77·02	c.l.t. : o.p. : c. : b.l.
14	0·5	8·0	8·9	73	+ 4·6	− 0·4	185	4·6	+ 106	− 3·4	6·0	80·1	77·02	c.f. : c. : c.l.
15	1·5	5·3	6·4	52	+ 0·5	+ 2·4	102	2·4	+ 23	− 5·6	6·4	80·1	77·02	b.l. : c.f. : t-sm. : c.l.
16	0·5	7·7	6·2	51	− 1·3	+ 7·7	80	7·8	+ 2	− 0·3	8·5	80·2	77·02	c.l.t. : c. : c.t. : p.o.l.t.
17	1·0	7·4	5·6	46	− 3·1	+11·3	75	11·7	− 3	+ 3·6	12·2	80·2	77·07	c.f. : o.r.
18	3·0	6·5	10·7	88	− 2·0	+17·2	83	17·3	+ 5	+ 9·2	17·6	80·3	77·07	c.f.
19	2·5	7·8	8·2	68	− 3·3	+20·6	81	20·9	+ 3	+12·8	21·2	80·3	77·12	c.f : c.p. : c. : c.l.r.
20	4·0	10·0	0·0	0	− 0·5	+18·8	88	18·8	+ 10	+10·7	19·2	80·4	77·22	o.r.
21	4·0	10·0	0·0	0	+13·3	+26·7	116	29·8	+ 39	+21·7	32·9	80·5	77·32	l. : o.r.
22	0·5	9·7	3·7	31	+26·1	− 1·8	184	26·2	+ 107	+18·1	26·7	81·0	78·32	l. : o.r. : c.p.
23	0·5	9·0	7·2	60	+ 9·4	− 4·4	205	10·4	+ 128	+ 2·2	10·7	80·9	77·72	o.p. : c.
24	0·5	7·8	5·9	49	+ 4·4	− 1·8	202	4·8	+ 126	− 3·4	5·0	80·6	77·32	c.p. : c.
25	1·0	7·4	1·2	10	+ 0·4	+ 0·7	120	0·8	+ 44	− 7·4	4·4	80·5	77·17	c.p. : o.p.
26	1·0	7·7	5·3	44	− 4·8	+ 8·2	60	9·5	− 16	+ 1·2	9·6	80·5	77·12	o.p. : c.p. : c.
27	3·0	9·8	1·4	12	− 3·3	+ 6·0	61	6·9	− 15	− 1·4	7·1	80·5	77·12	o.p.
28	5·0	8·6	3·5	29	− 3·4	+10·5	72	11·0	− 3	+ 2·7	11·2	80·4	77·12	c. : o.p.
29	4·0	8·4	5·9	50	− 4·5	+10·3	66	11·2	− 9	+ 2·9	11·4	80·2	77·02	o. : c.f. : o.
30	3·5	8·6	8·0	67	− 4·9	+11·4	67	12·4	− 8	+ 4·1	12·7	80·3	77·07	c.
31	2·0	4·5	10·4	87	− ·3	+12·2	66	13·3	− 9	+ 5·0	13·5	80·3	77·07	o. : c.f.
Mean -	1·7	7·1	6·88	56·6	+ 0·06	+ 7·26	90·5	7·26	+12·6	− 0·82	11·12	80·24	77·10	..
Average	3·6	6·4	6·72	55·3	− 1·70	+ 7·90	77·9	8·08	..	..	10·42	81·15	78·06	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

There was a large negative wave of vapour tension from the 2nd to the 10th, the latter portion of which was associated with a positive wave of pressure, superposed on a long negative wave, and a corresponding but feebler wave of wind velocity.

The passage of a cyclone from 350 miles to the North of Mauritius on the 19th, to 120 miles to the West on the 21st, and thence to South, produced positive waves of vapour tensions and wind velocity, and a double wave of temperature. 7·84 inches of rain fell from the 19th to the 23rd. The lowest barometer reading was 29·313 ins. at 22^h on the 21st, and the greatest wind velocity for one hour was 44 miles at 22^h on the 21st, its direction being then from N.E. by N.

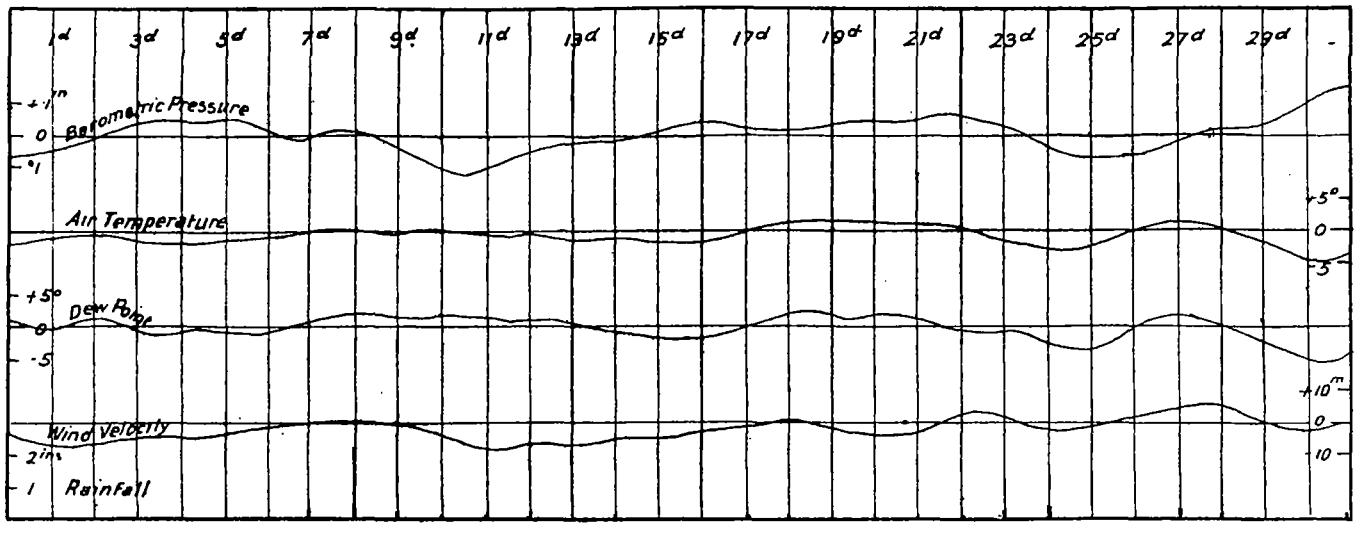
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	29·803	+·009	80·5	67·2	13·3	74·0	−2·4	67·6	62·8	− 7·1	68	− 13	·572	131·7	64·0	0·015	30	·205
2	29·756	−·040	81·6	66·3	15·3	73·9	−2·4	69·2	65·9	− 3·9	76	− 5	·637	142·5	58·5	0·000	..	·210
3	29·722	−·076	82·5	70·6	11·9	75·5	−0·8	71·6	68·9	− 0·9	80	− 1	·706	146·9	65·7	0·000	..	·150
4	29·783	−·017	83·3	69·9	13·4	75·9	−0·3	72·6	70·1	+ 0·4	82	+ 1	·736	143·9	64·5	0·000	..	·100
5	29·796	−·006	84·4	70·6	13·8	77·7	+1·6	73·1	69·8	+ 0·1	77	− 4	·728	139·0	64·9	0·000	..	·190
6	29·772	−·032	83·8	72·3	11·5	77·5	+1·4	72·9	69·7	+ 0·1	77	− 4	·726	141·1	69·9	0·000	..	·210
7	29·778	−·028	83·4	70·4	13·0	76·6	+0·6	72·9	70·1	+ 0·6	81	0	·736	144·3	63·8	0·020	30	·130
8	29·768	−·040	82·6	71·3	11·3	76·3	+0·4	72·3	69·4	− 0·1	79	− 2	·718	141·9	67·0	0·025	20	·145
9	29·671	−·139	83·4	74·1	9·3	78·0	+2·1	73·8	70·8	+ 1·4	79	− 2	·754	136·1	69·5	0·015	20	·135
10	29·594	−·217	82·2	70·9	11·3	76·2	+0·4	73·2	71·0	+ 1·7	84	+ 3	·759	144·4	69·9	0·240	110	·090
11	29·632	−·181	82·1	68·8	13·3	74·7	−1·1	69·9	66·3	− 3·0	76	− 5	·646	148·3	62·3	0·015	10	·185
12	29·688	−·127	78·9	65·4	13·5	71·4	−4·3	68·8	66·8	− 2·4	85	+ 4	·657	122·6	57·8	0·320	90	·120
13	29·733	−·084	79·9	62·3	17·6	70·7	−4·9	65·6	61·6	− 7·5	73	− 8	·548	135·0	55·2	0·000	..	·200
14	29·792	−·027	79·6	62·4	17·2	70·8	−4·7	65·9	62·1	− 6·9	74	− 7	·558	149·1	55·5	0·000	..	·130
15	29·858	+·038	80·5	63·5	17·0	72·0	−3·4	67·2	63·5	− 5·4	75	− 6	·586	137·6	57·0	0·000	..	·200
16	29·877	+·055	80·4	64·9	15·5	72·5	−2·9	67·5	63·7	− 5·1	74	− 7	·590	137·2	56·4	0·000	..	·170
17	29·884	+·060	79·5	68·0	11·5	72·8	−2·5	68·4	65·1	− 3·7	77	− 4	·620	143·0	62·7	0·200	20	·180
18	29·898	+·072	78·6	68·3	10·3	72·5	−2·7	69·7	67·6	− 1·1	85	+ 4	·675	145·6	66·0	0·190	135	·170
19	29·895	+·067	78·4	68·5	9·9	73·1	−2·0	68·2	64·5	− 4·1	75	− 6	·607	133·3	62·2	0·040	30	·160
20	29·875	+·044	78·9	68·1	10·8	72·6	−2·4	67·3	63·3	− 5·2	73	− 8	·582	133·4	61·6	0·060	50	·180
21	29·886	+·053	79·0	66·3	12·7	72·4	−2·5	68·6	65·6	− 2·8	79	− 2	·630	133·8	58·2	0·015	15	·125
22	29·884	+·049	75·6	71·0	4·6	73·8	−1·0	72·2	71·0	+ 2·7	91	+ 10	·759	81·0	69·9	1·040	360	·150
23	29·919	+·082	77·8	69·0	8·8	74·8	+0·1	72·6	70·9	+ 2·7	88	+ 7	·756	101·0	67·1	1·035	275	·175
24	29·948	+·109	79·5	71·0	8·5	75·4	+0·8	71·1	68·0	− 0·1	78	− 3	·684	132·1	67·2	0·040	25	·160
25	29·947	+·105	79·6	71·0	8·6	74·5	0·0	70·8	68·2	+ 0·2	81	0	·689	132·3	65·8	0·120	78	·200
26	29·936	+·092	80·8	70·5	10·3	74·2	−0·2	71·2	68·9	+ 1·0	84	+ 3	·706	135·0	64·7	0·145	205	·165
27	29·951	+·105	79·3	69·6	9·7	73·9	−0·4	70·1	67·3	− 0·5	80	0	·668	134·0	65·1	0·025	30	·245
28	29·894	+·046	79·4	66·5	12·9	72·5	−1·7	68·9	66·3	− 1·4	81	+ 1	·646	140·6	59·5	0·010	5	·150
29	29·823	−·027	79·5	67·0	12·5	74·1	0·0	70·8	68·4	+ 0·8	82	+ 2	·694	135·0	59·7	0·020	12	·140
30	29·787	−·066	76·2	65·5	10·7	72·0	−2·0	70·0	68·6	+ 1·2	89	+ 9	·699	100·3	60·1	0·485	215	·085
Mean	29·818	−·004	80·4	68·4	12·0	74·1	−1·2	70·1	67·2	− 1·6	79·4	− 1·5	·669	134·1	63·1	Sum 4·075	Sum 1765	·162
Average	29·822	..	82·1	70·0	12·1	75·3	..	71·4	68·8	..	80·9	..	·704	140·9	65·4	4·869	1738	·166
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·0	3·1	10·8	91	− 4·5	+10·6	67	11·5	− 7	+ 3·1	11·6	80·3	77·12	c.p. : c.f. : b.
2	3·5	4·0	10·9	92	− 4·7	+ 8·3	60	9·6	− 14	+ 1·2	9·8	80·3	77·22	b. : c.f.
3	3·0	8·5	5·4	46	− 0·8	+ 6·2	83	6·3	+ 9	− 2·1	6·6	80·1	77·22	c. : c.l.
4	2·0	9·6	1·7	14	− 1·7	+ 4·6	70	4·9	− 3	− 3·5	5·7	80·1	77·22	o. : o.l.
5	2·0	6·0	10·9	92	− 2·9	+ 8·4	71	8·9	− 2	+ 0·5	8·9	80·0	77·22	o. : c.f. : c.f.l.
6	1·5	4·7	10·2	86	− 2·7	+ 8·4	72	8·9	− 1	+ 0·4	8·9	80·0	77·22	c. : c.f.
7	1·0	5·5	7·4	63	− 2·7	+ 3·4	52	4·3	− 20	− 4·2	6·2	80·0	77·27	c.p. : c.f. : b.
8	2·0	8·3	8·3	71	− 5·6	+ 7·8	54	9·6	− 18	+ 1·1	9·8	80·0	77·32	c.f. : b.
9	1·0	9·4	3·7	32	− 7·0	+ 6·6	43	9·6	− 29	+ 1·1	9·9	79·9	77·32	c.f. : c p.
10	3·0	8·4	4·2	36	− 4·8	+ 3·1	33	5·8	− 39	− 2·7	6·6	79·9	77·37	c.f. : o.p.
11	0·0	3·2	9·9	85	− 6·8	+ 1·8	15	7·0	− 56	− 1·6	7·2	79·8	77·47	c.f. : c.p. : b.
12	2·0	6·1	3·1	26	− 2·7	− 0·1	358	2·7	+ 287	− 5·9	2·9	79·8	77·47	b. : c.f. : o. : cf.
13	2·0	2·0	11·0	95	− 2·0	− 0·6	343	2·1	+ 272	− 6·5	3·6	79·8	77·52	b.
14	3·0	7·3	5·4	47	− 4·0	+ 0·5	7	4·0	− 64	− 4·6	4·7	79·9	77·52	b. : c.f. : b.
15	1·5	5·4	8·8	76	− 3·6	+ 5·9	59	6·9	− 11	− 1·7	7·2	79·9	77·52	c.f. : b.
16	3·0	2·1	10·8	93	− 2·8	+ 7·2	69	7·7	− 1	− 0·9	7·7	79·8	77·52	c.f. : b. : c.f. : b.
17	3·0	8·2	5·6	48	− 3·1	+ 8·3	70	8·8	0	+ 0·2	8·9	79·8	77·52	o. : c.f. : b.
18	4·5	9·8	4·0	35	− 2·8	+ 8·9	73	9·3	+ 3	+ 0·7	9·6	79·7	77·52	c.p.
19	4·5	3·5	10·7	93	− 6·3	+10·1	58	11·9	− 11	+ 3·3	12·1	79·6	77·57	c.f. : b. : c.f. : c.p.
20	4·0	5·1	9·1	79	− 5·6	+10·5	62	11·9	− 7	+ 3·3	12·1	79·6	77·57	c.p. : c.f.
21	3·0	6·7	7·6	66	− 3·6	+ 9·2	69	9·9	0	+ 1·3	10·0	79·6	77·62	b. : c.f.p.
22	3·5	10·0	0·0	0	− 0·5	+11·1	87	11·1	+ 18	+ 2·5	11·7	79·6	77·62	c.p.l. : o.r.t.l.
23	3·0	10·0	0·0	0	− 2·1	+13·7	81	13·9	+ 12	+ 5·3	14·1	79·5	77·57	o.r.t.l. : o.p.
24	2·5	4·0	10·1	88	− 4·5	+11·2	68	12·0	0	+ 3·4	12·2	79·5	77·57	c.f. : c.p.
25	2·0	6·1	9·1	80	− 3·3	+10·6	73	11·1	+ 5	+ 2·5	11·3	79·4	77·57	c.p. : c.f.p.
26	2·5	5·3	9·1	80	− 3·7	+10·9	71	11·5	+ 3	+ 2·8	11·9	79·3	77·62	c.p.f. : c.f. : o.r.
27	2·5	6·5	9·9	87	− 2·5	+ 9·7	75	10·0	+ 7	+ 1·3	10·2	79·3	77·67	c.p. : c.f.
28	3·0	5·0	9·1	80	− 1·5	+ 7·9	79	8·1	+ 11	− 0·6	8·2	79·3	77·67	b. : c.p. : c.f. : b.
29	2·0	8·4	5·2	45	+ 0·8	+ 7·5	96	7·5	+ 29	− 1·2	7·8	79·2	77·72	c.f. : c.p. : o.t.l.
30	2·0	10·0	0·4	4	+ 1·3	+ 5·4	104	5·5	+ 37	− 3·2	6·4	79·2	77·72	o.r.t.l. : o. : c.f.
Mean -	2·5	6·4	7·08	61·1	− 3·22	+ 7·24	66·1	7·92	− 4·3	− 0·64	8·79	79·74	77·47	..
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

The passage of a small cyclone from 400 miles to the East-North-East of Mauritius on the 8th to 250 East, and thence on a southerly to south-easterly track, produced a large negative wave of pressure culminating on the 10th, with a general decrease of temperature and vapour until the 13, after a feeble positive wave on the 9th. 0·63-inch of rain fell during the passage of this cyclone. The wind velocity decreased generally from the 9th to the 13th. A general increase in each element followed till the 26th, with a well marked double wave of vapour tension from the 18th to the 24th, accompanied by very feeble negative waves of pressure and air temperature. Rain fell on each day from the 17th to the 30th, to the extent of 3·43 inches.

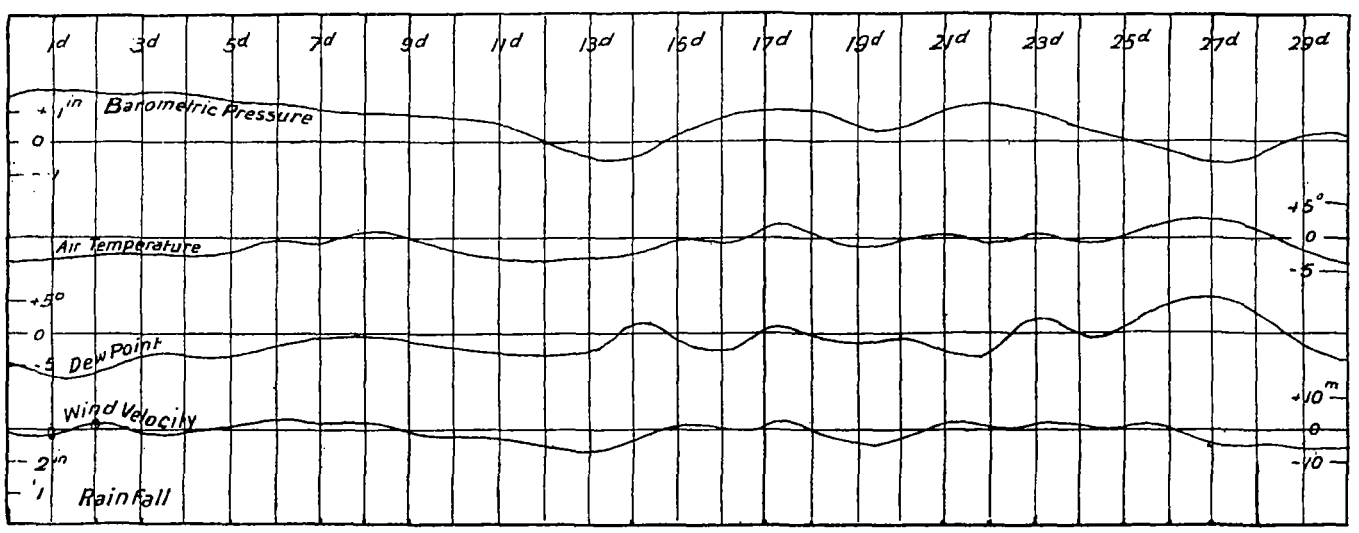
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	29·804	−·051	81·7	63·6	18·1	72·6	−1·3	69·4	67·0	−0·3	83	+ 3	·661	139·5	58·3	0·000	..	·140
2	29·854	−·003	81·5	65·7	15·8	73·5	−0·3	70·6	68·3	+1·1	84	+ 4	·692	141·5	59·0	0·000	..	·150
3	29·902	+·043	80·0	65·6	14·4	72·2	−1·5	68·9	66·4	−0·7	82	+ 2	·648	134·3	60·8	0·000	..	·140
4	29·912	+·051	80·4	63·4	17·0	71·8	−1·8	68·7	66·4	−0·6	83	+ 3	·648	139·9	57·2	0·000	..	·150
5	29·919	+·055	79·7	65·3	14·4	72·4	−1·1	68·8	66·1	−0·8	81	+ 1	·641	139·2	59·2	0·000	..	·140
6	29·883	+·017	80·1	63·9	16·2	72·5	−0·9	68·9	66·2	−0·6	81	+ 1	·644	134·6	56·1	0·000	..	·160
7	29·867	−·001	80·7	69·2	11·5	73·5	+0·2	70·1	67·7	+1·0	82	+ 2	·678	140·6	61·4	0·230	55	·140
8	29·882	+·012	78·5	69·9	8·6	73·3	+0·1	70·7	68·8	+2·3	86	+ 6	·704	138·3	67·4	2·340	240	·100
9	29·832	−·040	78·5	68·6	9·9	73·0	−0·1	70·1	68·0	+1·6	84	+ 4	·684	134·0	67·3	0·120	105	·190
10	29·773	−·102	80·4	67·2	13·2	72·9	0·0	70·4	68·4	+2·1	86	+ 6	·694	142·1	60·3	0·030	10	·130
11	29·777	−·100	81·0	65·5	15·5	72·4	−0·4	69·6	67·4	+1·3	84	+ 4	·671	136·9	60·3	0·020	10	·180
12	29·828	−·052	80·4	65·8	14·6	72·2	−0·5	69·4	67·3	+1·3	85	+ 5	·668	139·0	59·9	0·065	30	·115
13	29·860	−·022	80·7	63·6	17·1	71·4	−1·2	68·3	65·9	0·0	83	+ 3	·637	136·8	57·0	0·000	..	·160
14	29·858	−·027	79·4	63·3	16·1	71·2	−1·2	67·7	65·1	−0·6	81	+ 1	·620	129·8	56·9	0·035	20	·165
15	29·898	+·011	80·5	63·7	16·8	70·8	−1·5	67·2	64·4	−1·2	80	0	·605	140·8	56·9	0·000	..	·160
16	29·924	+·034	79·4	62·2	17·2	70·6	−1·6	66·7	63·8	−1·6	79	0	·592	138·3	55·7	0·000	..	·170
17	29·913	+·021	79·4	62·7	16·7	71·7	−0·3	68·1	65·2	−0·1	81	+ 2	·622	130·9	55·7	0·010	5	·160
18	29·901	+·007	79·1	69·2	9·9	73·2	+1·3	69·9	67·4	+2·3	82	+ 3	·671	129·6	63·8	0·075	40	·155
19	29·927	+·030	80·2	66·5	13·7	73·2	+1·5	69·3	66·5	+1·6	80	+ 1	·650	134·8	59·2	0·000	..	·160
20	29·938	+·039	78·9	69·3	9·6	73·2	+1·6	69·2	66·2	+1·4	79	0	·644	134·5	65·4	0·030	25	·160
21	29·944	+·042	78·1	69·5	8·6	72·6	+1·1	68·9	66·0	+1·4	80	+ 1	·639	129·8	64·1	0·100	65	·180
22	29·960	+·056	78·4	68·1	10·3	72·2	+0·9	67·7	64·1	−0·4	76	− 3	·598	133·0	61·7	0·025	35	·165
23	29·943	+·036	75·5	66·2	9·3	69·8	−1·4	66·6	64·0	−0·3	82	+ 3	·596	125·2	58·5	0·100	40	·130
24	29·881	−·028	76·8	60·2	16·6	67·9	−3·1	64·4	61·7	−2·4	81	+ 2	·550	127·8	52·1	0·220	30	·180
25	29·844	−·067	77·4	60·7	16·7	68·9	−2·0	64·3	60·7	−3·3	75	− 3	·531	129·0	52·1	0·000	..	·160
26	29·856	−·058	77·6	63·4	14·2	71·0	+0·2	66·4	62·9	−0·9	76	− 2	·574	127·1	56·4	0·000	..	·160
27	29·896	−·020	78·0	68·3	9·7	72·0	+1·3	68·1	65·2	+1·5	79	+ 1	·622	127·0	64·8	0·115	115	·155
28	29·934	+·015	77·1	65·3	11·8	70·6	+0·1	66·4	63·3	−0·2	78	0	·582	131·5	59·7	0·035	90	·175
29	29·957	+·036	76·4	61·2	15·2	68·8	−1·6	64·5	61·2	−2·2	77	− 1	·541	129·4	53·0	0·000	..	·150
30	30·032	+·108	76·9	57·2	19·7	65·6	−4·7	61·4	57·9	−5·3	76	− 2	·480	134·9	49·6	0·000	..	·140
31	30·079	+·153	75·6	57·1	18·5	66·4	−3·8	62·1	58·6	−4·4	76	− 2	·492	130·7	50·7	0·030	15	·150
Mean	29·896	+·006	79·0	64·9	14·1	71·4	−0·7	67·8	65·1	−0·2	80·7	+1·4	·622	134·2	58·7	Sum 3·580	Sum 930	·154
Average	29·890	..	79·0	66·3	12·7	72·1	..	68·1	65·3	..	79·3	..	·625	135·4	60·6	3·068	1299	·144
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	2·0	3·6	9·0	80	− 1·6	+ 1·7	47	2·3	− 20	− 6·4	4·8	79·2	77·77	c.f. : b. : c.f. : c. : b.
2	2·0	4·9	8·2	73	− 1·9	− 0·3	351	1·9	+284	− 6·8	4·6	79·1	77·72	b. : c. : c.f.
3	0·5	3·2	10·2	90	− 2·3	+ 4·1	61	4·7	− 6	− 4·0	6·1	79·0	77·72	b. : c.f. : b.l.
4	2·0	5·5	7·6	67	− 1·2	+ 4·0	73	4·2	+ 6	− 4·6	5·4	79·0	77·72	b. : c.f. : o. : c.f.
5	2·0	6·1	7·5	66	− 3·1	+ 4·6	56	5·6	− 10	− 3·2	5·6	79·0	77·72	c.f.
6	3·0	5·0	10·2	90	− 4·3	+ 6·6	57	7·8	− 9	− 1·0	8·0	78·9	77·72	c.f.
7	2·0	4·8	10·1	90	− 2·4	+ 8·0	73	8·4	+ 7	− 0·4	8·7	78·9	77·72	c.f. : c.p.
8	2·0	9·5	4·3	38	− 0·6	+ 8·8	86	8·8	+ 20	0·0	9·9	78·9	77·72	c.p.l.t.
9	4·0	8·9	4·5	40	+ 1·4	+ 7·8	100	7·9	+ 34	− 0·9	9·5	78·8	77·77	c.p.l.t.
10	4·5	5·0	7·2	64	+ 2·3	+ 6·0	111	6·5	+ 45	− 2·3	7·3	78·8	77·77	c.p.l. : c.f. : b.
11	3·0	4·0	10·3	92	+ 0·2	− 0·5	247	0·5	+182	− 8·3	4·0	78·7	77·67	b. : c.f. : c.p. : b.
12	0·5	4·9	5·6	50	− 1·1	− 1·0	318	1·5	+253	− 7·3	3·9	78·7	77·62	b. : c.f. : c.p. : b.
13	1·0	2·4	10·1	90	− 1·2	− 0·4	342	1·3	+277	− 7·5	4·6	78·7	77·57	b. : c.f. : b.
14	1·0	1·9	10·0	89	− 2·9	− 1·8	328	3·4	+263	− 5·5	4·3	78·6	77·52	b. : c.p. : b.
15	0·5	3·7	9·1	82	− 3·5	+ 2·0	40	4·0	− 25	− 4·9	5·3	78·6	77·52	b. : c.f. : b.
16	0·5	2·4	10·5	95	− 3·0	+ 5·1	59	5·9	− 6	− 3·0	5·9	78·6	77·52	b. : c.f. : b.
17	1·0	2·3	9·9	89	− 3·3	+ 7·1	65	7·8	0	− 1·1	7·9	78·5	77·52	b. : c.f. : c.p. : c.f.
18	0·5	5·5	9·4	85	− 3·5	+ 8·3	67	9·0	+ 3	0·0	9·3	78·5	77·52	c.p. : c.f. : b.
19	0·5	3·2	10·1	91	− 3·9	+ 6·8	60	7·9	− 4	− 1·1	8·1	78·5	77·52	b. : c.f. : b.
20	1·0	4·3	9·1	82	− 5·5	+11·7	65	12·9	+ 1	+ 3·9	13·0	78·4	77·52	b. : c.f. : c.p.
21	1·0	5·2	8·9	80	− 3·3	+12·3	75	12·8	+ 11	+ 3·7	12·9	78·4	77·52	c.p.
22	1·5	4·3	9·8	89	− 4·0	+10·8	70	11·5	+ 6	+ 2·4	11·6	78·3	77·47	c.f. : c.p.
23	0·5	7·2	5·3	48	− 3·5	+ 8·8	68	9·4	+ 4	+ 0·3	9·7	78·3	77·47	c.f. : c.p. : c.f.
24	1·5	5·0	8·0	73	− 2·0	+ 5·9	71	6·2	+ 7	− 3·0	6·6	78·3	77·42	b. : c.p. : c.f. : b.
25	1·0	1·8	10·4	95	− 3·5	+ 6·5	62	7·4	− 1	− 1·8	7·6	78·3	77·42	b. : c.f. : b.
26	1·5	2·7	10·3	94	− 5·0	+ 9·7	63	10·9	0	+ 1·6	11·1	78·3	77·42	b. : c.f.
27	4·5	4·3	9·8	89	− 4·8	+12·4	69	13·3	+ 6	+ 4·0	13·5	78·2	77·42	c.f. : c.p.
28	6·0	6·0	9·4	85	− 4·8	+13·6	71	14·4	+ 8	+ 5·1	14·5	78·2	77·42	c.p. : c.f. : b.
29	3·0	4·5	8·8	80	− 3·8	+ 8·1	65	8·9	+ 2	− 0·5	9·0	78·1	77·42	b. : c.f. : b.
30	4·0	1·9	9·4	85	− 4·9	+ 4·6	43	6·8	− 19	− 2·6	6·8	78·1	77·42	b. : c.f.
31	5·0	6·1	8·4	76	− 5·0	+ 7·2	55	8·8	− 7	− 0·7	9·1	78·1	77·42	c.f. : c.p. : c.f.
Mean	2·0	4·5	8·75	78·6	− 2·77	+ 6·08	65·5	6·68	+0·8	− 2·32	8·02	78·58	77·57	..
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 negative wave of pressure from April 27 to May 3 was superposed on a prolonged positive wave, and accompanied by small undulations of temperature and vapour tension, and a negative wave of wind velocity culminating 36 hours later than the pressure wave. A negative wave of pressure from the 8th to the 16th was accompanied by nearly normal temperature, a positive wave of vapour tension, and a negative wave of wind velocity culminating 24 hours later than the pressure wave. On the 8th 2·34 inches of rain fell at the Observatory and 11 inches at some stations in the interior of the Island. The pressure, temperature, and wind velocity being normal, and the vapour tension slightly above the average. A negative wave of pressure from the 22nd to the 29th, superposed on a prolonged positive wave, was accompanied by double waves (from negative to positive) of temperature, vapour tension, and wind velocity.

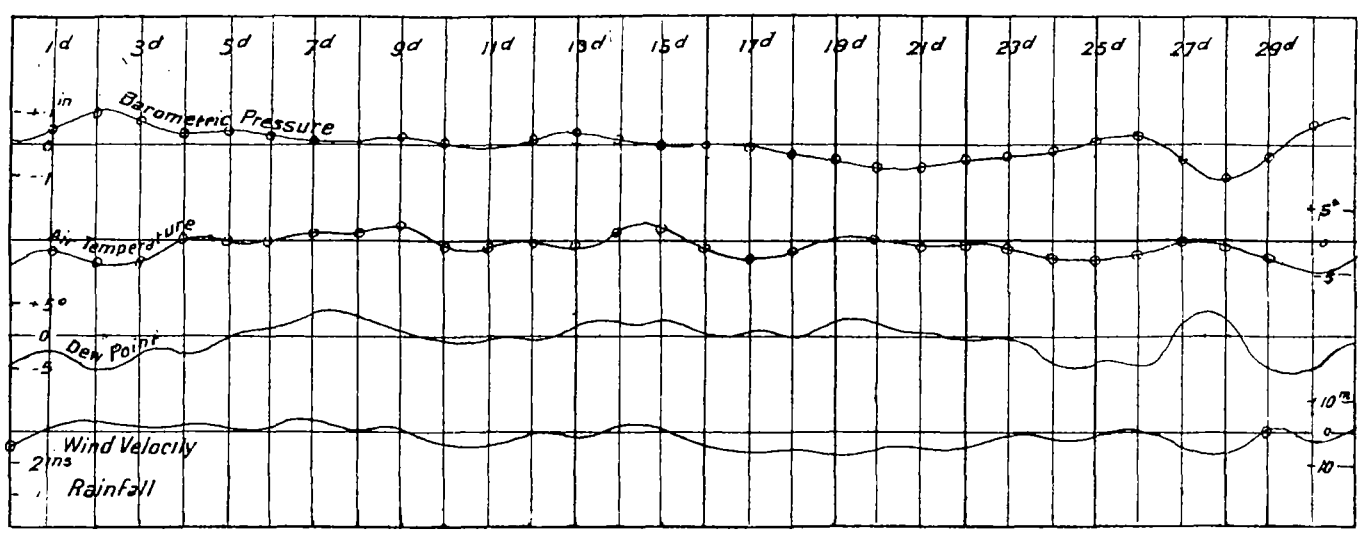
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	30·098	+·169	74·2	59·1	15·1	66·9	−3·1	60·9	56·1	−6·7	68	− 10	·451	128·4	50·0	0·000	..	·130
2	30·089	+·157	74·6	59·4	15·2	67·3	−2·6	61·3	56·4	−6·3	68	− 10	·456	130·5	51·4	0·070	40	·170
3	30·087	+·152	75·3	62·5	12·8	67·6	−2·2	62·9	59·2	−3·3	76	− 1	·503	127·8	55·1	0·080	90	·140
4	30·082	+·144	75·9	60·0	15·9	67·1	−2·6	62·5	58·8	−3·6	75	− 2	·496	127·0	50·4	0·000	..	·120
5	30·077	+·137	75·6	56·6	19·0	67·3	−2·3	62·7	59·0	−3·2	75	− 2	·500	129·9	47·5	0·030	30	·150
6	30·057	+·114	75·6	63·0	12·6	69·5	0·0	64·1	59·8	−2·3	71	− 6	·514	123·9	51·6	0·000	..	·170
7	30·043	+·097	75·0	62·5	12·5	68·5	−0·9	64·3	61·0	−0·9	77	0	·537	127·8	52·3	0·170	115	·145
8	30·036	+·087	76·5	65·0	11·5	69·9	+0·6	65·3	61·8	0·0	76	− 1	·552	131·6	60·0	0·020	20	·140
9	30·036	+·084	75·1	61·8	13·3	69·0	−0·2	64·3	60·6	−1·1	75	− 2	·529	129·1	53·5	0·130	95	·170
10	30·026	+·072	76·1	58·8	17·3	67·1	−2·0	62·9	59·6	−2·0	77	0	·511	131·2	50·3	0·000	..	·140
11	30·018	+·061	75·6	57·6	18·0	65·8	−3·2	61·7	58·3	−3·1	77	0	·487	129·3	49·6	0·000	..	·140
12	29·962	+·003	75·3	56·4	18·9	65·7	−3·2	61·8	58·6	−2·7	78	+ 2	·492	124·6	48·4	0·000	..	·150
13	29·916	−·046	76·5	57·3	19·2	65·8	−3·0	61·5	57·9	−3·3	76	0	·480	133·7	49·3	0·000	..	·110
14	29·916	−·049	70·8	58·6	12·2	66·0	−2·7	63·9	62·3	+1·2	88	+ 12	·562	103·9	53·6	0·100	110	·060
15	29·991	+·024	74·8	61·8	13·0	68·1	−0·5	63·6	59·9	−1·1	75	− 1	·516	123·0	54·2	0·000	..	·160
16	30·048	+·079	75·3	60·8	14·5	67·5	−1·0	62·5	58·5	−2·4	73	− 3	·491	125·6	52·9	0·000	..	·170
17	30·065	+·093	75·8	66·8	9·0	69·9	+1·5	64·9	61·2	+0·4	74	− 2	·541	128·6	58·4	0·080	45	·160
18	30·073	+·099	75·5	61·0	14·5	68·5	+0·1	64·0	60·4	−0·3	76	0	·526	126·1	51·9	0·020	10	·130
19	30·025	+·049	75·8	60·7	15·1	67·2	−1·1	62·8	59·4	−1·2	76	0	·507	124·3	51·3	0·000	..	·130
20	30·020	+·042	76·1	60·0	16·1	67·8	−0·4	63·4	59·9	−0·6	76	0	·516	129·3	52·5	0·000	..	·140
21	30·081	+·102	74·6	64·5	10·1	68·3	+0·1	62·4	57·6	−2·8	69	− 7	·475	121·1	57·2	0·010	5	·190
22	30·102	+·121	74·8	57·9	16·9	67·5	−0·6	62·0	57·4	−2·9	70	− 6	·472	126·1	47·7	0·020	25	·160
23	30·074	+·092	75·9	64·9	11·0	68·7	+0·6	65·4	62·7	+2·5	81	+ 5	·570	130·0	60·1	0·375	160	·175
24	30·037	+·053	73·4	61·6	11·8	67·1	−0·9	63·2	60·1	−0·1	78	+ 2	·520	115·8	52·2	0·175	140	·115
25	30·001	+·016	74·5	62·9	11·6	67·9	0·0	64·1	61·2	+1·1	79	+ 3	·541	128·0	54·1	0·120	70	·120
26	29·962	−·025	75·8	65·8	10·0	70·1	+2·2	66·9	64·4	+4·4	82	+ 6	·605	127·5	62·9	0·080	65	·140
27	29·922	−·066	76·6	65·7	10·9	71·1	+3·2	68·2	66·0	+6·1	84	+ 8	·639	124·0	57·6	0·020	25	·100
28	29·951	−·039	75·8	61·1	14·7	69·1	+1·3	65·9	63·4	+3·5	82	+ 6	·584	131·7	51·4	2·070	300	·100
29	30·010	+·019	76·0	57·3	18·7	65·3	−2·5	61·3	58·0	−1·8	77	+ 1	·482	131·3	50·0	0·000	..	·120
30	30·010	+·017	75·0	54·5	20·5	64·0	−3·7	59·3	55·5	−4·3	74	− 2	·441	121·9	46·3	0·000	..	·150
Mean	30·027	+·062	75·3	60·9	14·4	67·7	−1·0	63·3	59·8	−1·3	76·1	−0·3	0·517	126·4	52·8	Sum 3·570	Sum 1345	·140
Average	29·965	..	76·1	62·6	13·5	68·7	..	64·4	61·1	..	76·4	..	0·538	131·6	56·4	2·048	1260	·125
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·0	6·7	6·5	59	— 5·2	+ 6·6	52	8·4	— 10	— 1·1	8·6	78·1	77·47	o. : c.f. : b.
2	4·0	7·8	8·2	75	— 4·0	+ 9·9	68	10·7	+ 6	+ 1·1	11·0	78·1	77·47	c.f. : c.p.
3	3·0	6·7	7·7	71	— 3·1	+ 8·9	71	9·4	+ 10	— 0·2	9·9	78·1	77·47	c.p.
4	3·0	3·9	9·3	85	— 4·8	+ 6·5	54	8·1	— 7	— 1·6	8·3	78·0	77·42	c.f. : b.
5	4·0	7·8	9·2	84	— 6·9	+ 8·1	50	10·6	— 11	+ 0·9	10·9	77·9	77·42	b. : c.p.
6	3·0	1·9	10·0	92	— 9·1	+ 9·9	47	13·5	— 14	+ 3·7	13·5	77·8	77·37	b. : c.f.q. : b.
7	3·0	7·0	7·0	64	— 7·1	+ 9·7	53	12·0	— 8	+ 2·2	12·2	77·7	77·32	b. : c.f. : b.
8	3·0	4·7	9·6	88	— 5·1	+ 10·5	64	11·7	+ 3	+ 1·8	11·9	77·6	77·32	c.p. : c.f. : c.p.
9	3·0	6·3	7·8	72	— 5·5	+ 6·2	48	8·3	— 13	— 1·6	8·5	77·5	77·32	p. : c. : c.f. : b.
10	1·0	3·5	9·6	88	— 6·0	+ 3·8	32	7·1	— 29	— 2·9	7·3	77·4	77·32	c.f.
11	2·0	2·5	10·2	94	— 5·4	+ 5·3	44	7·5	— 16	— 2·5	7·9	77·3	77·37	c.f. : b.
12	1·0	2·6	10·6	97	— 2·6	+ 5·0	62	5·6	+ 2	— 4·5	6·0	77·2	77·32	b. : c.f. : b.
13	1·0	7·6	5·8	53	— 2·2	+ 0·8	20	2·3	— 40	— 7·8	4·3	77·1	77·32	b. : c.f. : b.
14	3·0	10·0	0·1	1	— 5·6	+ 1·1	12	5·7	— 48	— 4·5	6·7	77·1	77·32	c.p. : c.f.
15	3·0	1·2	10·1	93	— 8·6	+ 6·5	37	10·8	— 23	+ 0·6	11·0	77·1	77·32	b.
16	3·5	4·0	10·2	94	— 6·2	+ 7·5	50	9·7	— 10	— 0·6	10·1	77·0	77·32	c.f. : b.
17	0·5	4·5	9·5	87	— 5·2	+ 11·2	65	12·3	+ 5	+ 2·0	12·4	76·9	77·32	c.p. : c.f.
18	1·0	6·3	6·8	62	— 4·6	+ 8·6	62	9·8	+ 2	— 0·5	10·1	76·9	77·32	c.p.
19	0·5	4·7	9·2	84	— 3·6	+ 4·5	51	5·8	— 9	— 4·6	6·1	76·9	77·32	c.f. : b.
20	4·0	3·6	9·6	88	— 5·4	+ 4·0	37	6·7	— 23	— 3·7	6·8	76·8	77·32	c.f.
21	3·0	1·5	10·2	94	— 9·8	+ 8·5	41	13·0	— 19	+ 2·6	13·1	76·7	77·32	c.f.q. : b.
22	3·5	2·8	8·8	81	— 7·9	+ 8·3	46	11·4	— 14	+ 1·0	11·6	76·6	77·32	c.p. : c.f. : c.p.
23	4·0	7·5	8·7	80	— 5·8	+ 11·1	62	12·5	+ 1	+ 2·0	12·7	76·5	77·32	c.p.q.
24	4·0	6·0	4·3	39	— 7·2	+ 9·6	53	12·0	— 8	+ 1·5	12·3	76·4	77·32	c.p.q.
25	5·0	6·0	8·1	74	— 6·4	+ 9·1	55	11·1	— 6	+ 0·6	11·3	76·4	77·32	b. : c.p.q.
26	2·5	6·5	6·7	61	— 5·3	+ 9·9	62	11·3	+ 1	+ 0·8	11·5	76·4	77·32	c.p.
27	3·0	6·6	5·7	52	+ 0·5	+ 5·9	95	5·9	+ 34	— 4·6	7·0	76·3	77·27	c.p. : o.p.
28	4·0	8·2	5·3	49	— 4·7	+ 3·2	34	5·7	— 27	— 4·9	7·3	76·2	77·22	o.r.t.l. : c. : o.p.
29	3·5	4·4	7·3	67	— 3·6	+ 3·7	46	5·1	— 16	— 5·5	5·8	76·2	77·27	b. : c.f. : b.
30	4·5	0·3	10·3	94	— 3·9	+ 3·2	39	5·1	— 23	— 5·5	6·1	76·2	77·32	c.f. : b.
Mean	2·9	5·1	8·08	74·1	— 5·34	+ 6·90	52·1	8·70	— 8·7	— 1·46	9·41	77·08	77·34	..
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

From May 28th to June 25th there was a prolonged positive wave of pressure, with superposed negative waves culminating on the 14th and 20th. The temperature and vapour tension showed two negative waves culminating at about the 1st and 12th, and afterwards small undulations. The curve of wind velocity followed closely the temperature and vapour tension curves. A negative wave of pressure from the 25th to the 29th was accompanied by positive waves of temperature and vapour tension, and a negative wave of wind velocity. The principal rainfall occurred from the 21st to the 28th.

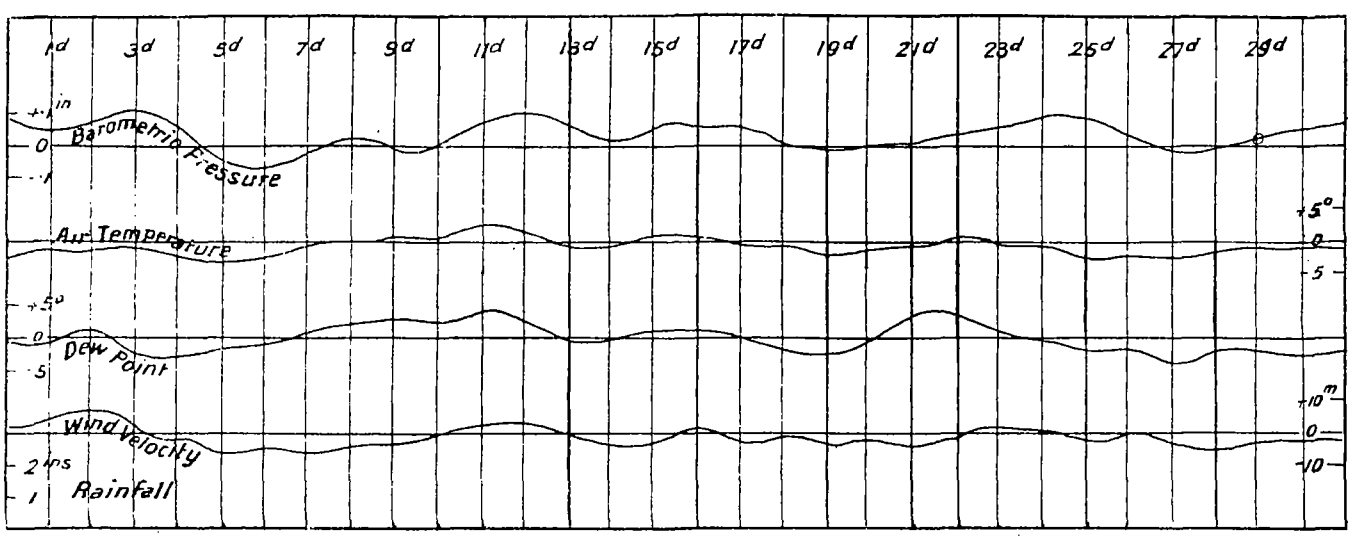
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	30·036	+·042	72·9	57·7	15·2	66·3	−1·4	61·2	56·9	−2·8	72	− 4	·464	125·2	50·8	0·000	..	·140
2	30·092	+·097	70·5	58·4	12·1	64·5	−3·2	58·9	54·2	−5·5	69	− 7	·421	124·8	48·2	0·045	60	·155
3	30·064	+·068	69·5	61·6	7·9	64·6	−3·0	60·7	57·3	−2·3	77	+ 1	·470	118·8	55·9	0·190	120	·150
4	30·029	+·032	73·9	63·0	10·9	67·8	+0·2	61·8	57·1	−2·5	69	− 7	·467	123·8	58·1	0·020	8	·170
5	30·038	+·041	74·0	62·2	11·8	67·5	−0·1	63·2	59·7	+0·1	76	0	·512	126·3	53·3	0·020	15	·150
6	30·024	+·026	74·4	62·4	12·0	67·5	−0·1	63·8	60·9	+1·3	80	+ 4	·535	127·3	56·8	0·270	132	·160
7	30·012	+·013	73·9	66·0	7·9	68·8	+1·3	65·8	63·3	+3·8	83	+ 7	·582	127·4	63·2	0·220	220	·160
8	30·009	+·009	75·6	63·1	12·5	68·7	+1·2	65·4	62·8	+3·3	81	+ 5	·572	129·0	57·8	0·500	200	·220
9	30·023	+·022	75·1	63·8	11·3	69·5	+2·0	64·5	60·7	+1·2	74	− 2	·531	122·8	55·4	0·010	10	·160
10	30·002	+·001	74·7	57·3	17·4	66·6	−0·9	62·4	59·0	−0·5	76	0	·500	126·8	50·7	0·010	5	·150
11	29·985	−·017	75·2	58·9	16·3	66·4	−1·0	62·5	59·3	−0·1	78	+ 2	·505	128·2	51·1	0·000	..	·120
12	30·019	+·017	75·0	58·0	17·0	66·8	−0·6	62·6	59·2	−0·2	77	+ 1	·503	127·5	50·1	0·010	5	·150
13	30·039	+·036	73·7	59·8	13·9	66·6	−0·8	63·5	61·0	+1·6	82	+ 6	·537	128·8	52·9	0·295	92	·155
14	30·021	+·017	74·7	64·7	10·0	68·8	+1·4	64·8	61·7	+2·3	78	+ 2	·550	126·2	57·7	0·025	8	·145
15	30·003	−·001	75·0	64·3	10·7	69·2	+1·8	65·1	62·0	+2·6	78	+ 2	·556	129·1	57·3	0·055	30	·105
16	30·007	+·002	74·6	59·4	15·2	66·4	−1·0	62·7	59·7	+0·3	79	+ 3	·512	128·6	52·1	0·020	15	·150
17	29·996	−·009	73·2	57·4	15·8	64·8	−2·6	62·1	59·9	+0·6	84	+ 8	·516	117·3	49·9	0·000	..	·100
18	29·980	−·026	75·4	56·9	18·5	65·7	−1·7	62·3	59·3	0·0	80	+ 4	·505	130·4	47·9	0·000	..	·090
19	29·965	−·042	75·4	61·3	14·1	67·9	+0·5	64·4	61·7	+2·4	81	+ 5	·550	129·3	53·5	0·050	20	·110
20	29·943	−·064	74·3	59·9	14·4	67·5	+0·1	63·9	61·0	+1·7	80	+ 4	·537	127·3	53·0	0·000	..	·120
21	29·936	−·071	76·0	57·1	18·9	66·4	−1·0	62·7	59·7	+0·4	79	+ 3	·512	130·6	49·7	0·000	..	·150
22	29·956	−·051	76·2	57·9	18·3	66·8	−0·5	62·4	58·9	−0·4	76	0	·498	132·4	49·8	0·000	..	·130
23	29·975	−·033	75·5	59·1	16·4	66·3	−1·1	62·2	59·0	−0·3	77	+ 1	·500	129·4	51·0	0·000	..	·180
24	29·988	−·020	75·1	56·1	19·0	65·1	−2·3	59·7	55·2	−4·1	71	− 4	·436	138·6	47·3	0·000	..	·170
25	30·018	+·010	75·2	55·8	19·4	64·5	−2·9	59·2	54·8	−4·5	71	− 4	·430	129·0	46·1	0·000	..	·170
26	30·033	+·025	73·7	54·9	18·8	65·4	−2·0	59·4	54·5	−4·7	68	− 7	·425	128·6	46·2	0·000	..	·160
27	29·955	−·053	75·7	59·8	15·9	67·2	−0·2	63·4	61·3	+2·1	79	+ 4	·543	133·3	51·1	0·000	..	·160
28	29·903	−·106	74·1	60·0	14·1	66·8	−0·6	63·7	61·3	+2·1	82	+ 7	·543	124·2	53·3	0·470	85	·140
29	29·979	−·030	72·9	52·9	20·0	64·7	−2·7	58·9	53·9	−5·3	68	− 7	·416	121·6	44·2	0·000	..	·180
30	30·073	+·064	70·9	51·3	19·6	62·4	−5·0	58·1	54·5	−4·8	75	0	·425	126·7	43·4	0·010	10	·110
31	30·089	+·079	71·7	60·3	11·4	65·1	−2·4	61·4	58·4	−0·9	79	+ 4	·489	124·5	51·7	0·045	40	·115
Mean	30·006	+·002	74·1	59·4	14·7	66·5	−1·0	62·3	59·0	−0·4	76·7	+1·0	·501	127·2	51·9	Sum 2·265	Sum 1075	·146
Average	30·004	..	75·2	61·5	13·7	67·5	..	63·1	59·4	..	75·7	..	·507	130·8	55·7	2·276	1506	·135
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·0	5·5	8·5	78	− 9·3	+ 7·5	39	12·0	− 23	+ 1·4	12·2	76·1	77·32	c. : c.f.
2	4·0	7·2	9·5	87	− 7·0	+11·9	60	13·8	− 2	+ 3·2	13·9	76·0	77·27	b. : c.f. : c.p.
3	4·0	7·8	6·6	61	− 4·6	+11·9	69	12·8	+ 7	+ 2·1	12·9	75·9	77·22	p. : b.
4	1·0	5·2	8·7	80	− 3·5	+12·2	74	12·7	+ 11	+ 2·0	12·9	75·8	77·22	c.p. : c.f.
5	1·5	3·8	9·9	91	− 3·3	+11·2	73	11·6	+ 10	+ 0·9	11·9	75·7	77·17	b. : c.f. : b.
6	5·0	7·6	6·8	62	− 5·4	+11·4	65	12·6	+ 2	+ 1·9	13·0	75·7	77·12	c.f. : o.r.
7	2·5	9·7	3·9	36	− 2·7	+14·1	79	14·4	+ 16	+ 3·7	14·7	75·6	77·07	c.p. : o.p. : c.
8	4·0	4·8	6·8	62	− 1·5	+10·7	82	10·8	+ 19	0·0	11·2	75·5	77·12	o.r. : c. : o.r.
9	4·0	2·5	9·9	91	− 1·0	+12·2	85	12·2	+ 21	+ 1·4	12·6	75·4	77·07	c.p. : c.f. : b.
10	3·0	2·5	10·1	93	− 3·5	+ 7·1	64	7·9	0	− 2·9	8·1	75·4	77·07	b. : c.f. : b.
11	2·0	3·5	9·6	87	− 3·5	+ 5·3	57	6·3	− 7	− 4·5	6·7	75·3	77·02	b. : c.f. : b.
12	2·0	3·1	10·3	94	− 4·4	+ 8·0	61	9·1	− 3	− 1·7	9·5	75·3	77·02	c.f. : c.p.
13	3·0	7·5	5·1	46	− 4·6	+ 7·7	59	9·0	− 5	− 1·8	9·6	75·3	77·07	c.p. : b.
14	4·5	3·5	9·8	89	− 3·5	+10·9	72	11·4	+ 8	+ 0·5	11·7	75·3	77·02	c.f. : c.p.
15	3·0	6·8	6·1	55	+ 0·3	+11·5	91	11·5	+ 27	+ 0·6	11·7	75·2	76·97	c.f. : c.p.
16	3·5	4·1	8·6	78	− 0·7	+ 6·5	84	6·6	+ 19	− 4·3	6·9	75·2	76·97	c.f. : b.
17	3·0	7·7	1·9	17	− 2·6	+ 3·4	53	4·3	− 12	− 6·6	5·6	75·2	76·97	b. : c.f. : b.
18	3·0	3·3	6·9	62	− 2·7	+ 4·6	60	5·3	− 5	− 5·6	5·8	75·2	76·97	b. : c.f.
19	3·0	4·7	7·3	66	− 1·1	+ 4·0	75	4·2	+ 10	− 6·7	5·7	75·1	76·92	c.f. : o.
20	0·5	6·9	6·2	56	+ 1·1	+ 5·4	102	5·5	+ 37	− 5·4	5·6	75·1	76·92	o. : c.f. : b.
21	1·0	3·4	10·3	94	+ 1·5	+ 6·3	103	6·5	+ 38	− 4·4	6·6	75·0	76·87	b. : c.f.
22	1·0	2·8	9·7	87	− 3·5	+ 5·0	55	6·1	− 10	− 4·9	6·6	75·0	76·87	b. : c.f. : b.
23	5·0	3·2	10·0	90	− 6·9	+ 6·9	45	9·7	− 20	− 1·3	9·9	75·0	76·87	b. : c.f. : b.
24	2·0	3·5	8·6	77	− 6·0	+ 6·9	49	9·2	− 16	− 1·8	9·5	74·9	76·92	b. : c.f.
25	3·5	3·3	10·2	92	− 5·5	+ 8·0	56	9·7	− 10	− 1·3	10·1	74·9	76·87	b. : c.f.
26	3·5	5·5	8·4	76	− 3·7	+10·7	71	11·4	+ 5	+ 0·4	11·7	74·9	76·87	c.f.
27	4·0	5·0	9·1	82	+ 2·4	+ 6·6	110	7·0	+ 44	− 4·0	7·5	74·9	76·82	c.f.
28	5·0	8·5	4·6	41	− 3·2	− 1·9	329	3·8	+263	− 7·2	6·6	74·8	76·82	c.f. : o.r. : c.f. : b.
29	3·0	1·4	10·3	93	−11·4	+ 3·7	18	12·0	− 48	+ 1·0	12·4	74·8	76·77	b. : c.f. : b.
30	4·5	8·7	3·7	33	− 5·2	+ 6·4	51	8·2	− 15	− 2·9	8·7	74·7	76·77	b. : o.p.
31	5·5	9·3	5·9	53	− 5·3	+12·1	66	13·2	0	+ 2·1	13·4	74·7	76·77	c.p. : o.p. : c.f.
Mean	3·1	5·2	7·85	71·3	− 3·56	+ 8·01	66·0	8·77	+1·6	− 2·09	9·85	75·25	76·99	..
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 4th was accompanied by negative waves of temperature and vapour tension and a feeble positive wave of wind velocity. A negative wave of pressure from the 13th to the 25th was accompanied by double waves of temperature and vapour tension until the 19th (from positive to negative) and followed by a general decrease in both elements until the 25th. A negative wave of pressure from the 26th to the 30th, superposed on a general increase, was accompanied by a negative wave of wind velocity, and by positive waves in temperature and vapour tension superposed on prolonged negative waves. The principal rainfall of the month fell from the 2nd to the 13th and on the 28th.

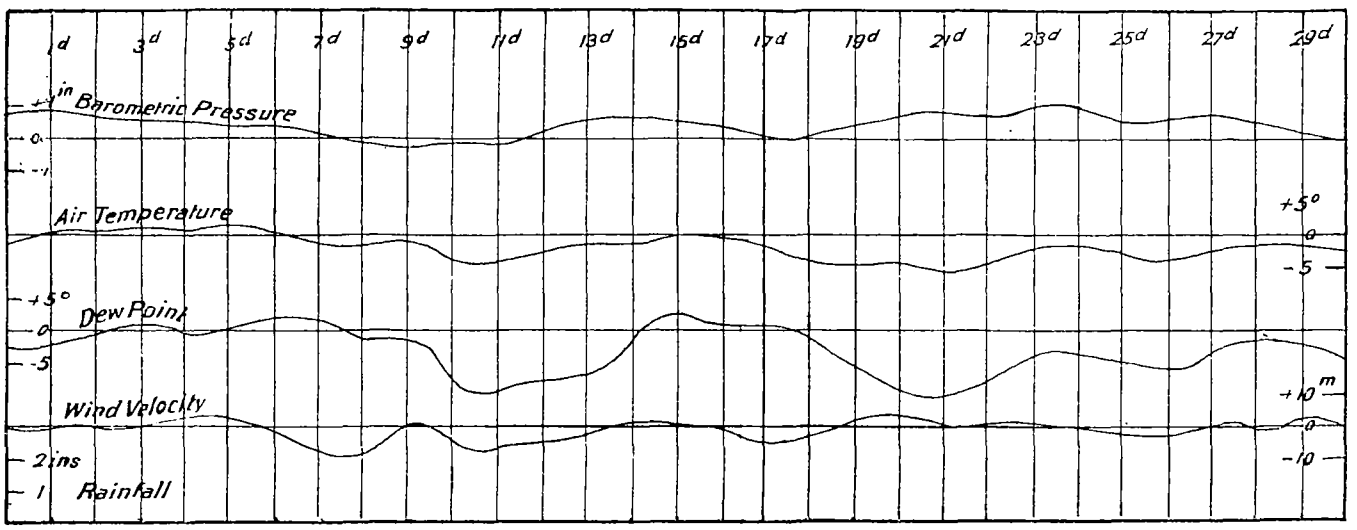
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	30·060	+·050	72·9	62·0	10·9	66·1	−1·4	62·0	58·7	−0·6	77	+ 2	·494	128·4	51·1	0·085	115	·155
2	30·084	+·074	72·1	63·6	8·5	66·2	−1·3	63·1	60·7	+1·4	83	+ 8	·531	126·9	52·7	0·385	190	·205
3	30·120	+·109	72·1	60·4	11·7	66·5	−1·0	60·8	56·1	−3·2	69	− 6	·451	128·9	51·8	0·000	..	·180
4	30·057	+·046	73·2	59·8	13·4	65·5	−2·1	60·6	56·6	−2·7	73	− 2	·459	133·3	51·1	0·055	60	·155
5	29·974	−·037	73·8	57·2	16·6	64·8	−2·8	60·8	57·6	−1·7	78	+ 3	·475	132·4	49·7	0·035	15	·135
6	29·951	−·060	75·2	56·7	18·5	65·3	−2·3	61·4	58·2	−1·1	78	+ 3	·485	133·6	49·3	0·000	..	·160
7	29·990	−·021	76·3	58·6	17·7	66·9	−0·7	63·3	60·3	+1·0	79	+ 4	·524	134·9	51·4	0·020	8	·120
8	30·031	+·020	75·8	60·0	15·8	67·5	−0·2	64·1	61·4	+2·1	81	+ 6	·545	129·6	55·1	0·035	15	·115
9	30·002	−·009	75·0	63·3	11·7	68·0	+0·3	64·5	61·8	+2·5	81	+ 6	·552	128·0	58·1	0·105	55	·165
10	30·018	+·007	76·0	61·0	15·0	68·2	+0·5	64·4	61·4	+2·1	79	+ 4	·545	131·5	52·2	0·020	15	·150
11	30·082	+·071	76·0	65·5	10·5	70·2	+2·5	66·4	63·5	+4·1	79	+ 4	·586	134·6	60·8	0·040	15	·150
12	30·115	+·104	76·9	63·2	13·7	69·4	+1·6	65·0	61·6	+2·2	76	+ 1	·548	136·2	59·0	0·000	..	·170
13	30·083	+·072	75·2	60·3	14·9	67·0	−0·8	62·5	58·9	−0·5	75	0	·498	132·1	52·2	0·000	..	·140
14	30·032	+·021	76·0	58·3	17·7	67·0	−0·9	62·7	59·2	−0·2	76	+ 1	·503	135·3	49·4	0·000	..	·140
15	30·056	+·045	78·5	61·5	17·0	68·8	+0·9	64·2	60·5	+1·1	75	0	·528	138·7	53·1	0·000	..	·140
16	30·070	+·059	76·8	61·3	15·5	68·3	+0·4	63·8	60·3	+0·9	76	+ 1	·524	133·6	53·4	0·000	..	·140
17	30·057	+·046	76·6	58·6	18·0	67·6	−0·4	62·9	59·1	−0·3	74	− 1	·501	131·9	50·6	0·000	..	·160
18	30·014	+·003	77·1	58·6	18·5	67·2	−0·8	61·9	57·6	−1·8	72	− 3	·475	133·0	50·6	0·000	..	·170
19	29·997	−·013	77·0	55·1	21·9	66·0	−2·0	60·8	56·5	−3·0	72	− 2	·457	135·3	46·2	0·000	..	·180
20	30·013	+·003	75·9	58·4	17·5	66·8	−1·3	62·4	58·9	−0·6	76	+ 2	·498	131·1	50·2	0·000	..	·170
21	30·017	+·007	74·0	59·4	14·6	67·3	−0·8	64·8	62·9	+3·4	86	+ 12	·574	117·3	51·4	0·110	75	·090
22	30·048	+·038	75·3	63·0	12·3	68·8	+0·6	65·6	63·1	+3·6	82	+ 8	·578	138·2	55·2	0·050	30	·130
23	30·062	+·052	76·0	61·0	15·0	67·9	−0·3	63·6	60·2	+0·7	76	+ 2	·522	133·9	52·2	0·025	15	·175
24	30·096	+·086	74·7	60·8	13·9	67·5	−0·7	63·0	59·3	−0·2	75	+ 1	·505	134·1	50·1	0·060	30	·190
25	30·098	+·089	73·9	58·0	15·9	65·4	−2·9	61·2	57·7	−1·8	77	+ 3	·477	129·2	48·9	0·020	15	·120
26	30·037	+·028	74·4	57·4	17·0	66·1	−2·2	61·4	57·6	−2·0	74	0	·475	139·3	50·0	0·035	50	·185
27	29·994	−·014	75·3	58·3	17·0	66·3	−2·1	60·6	55·9	−3·7	69	− 5	·447	136·4	50·5	0·000	..	·180
28	29·991	−·017	76·6	56·5	20·1	66·5	−1·9	61·4	57·2	−2·4	72	− 2	·469	136·5	48·0	0·000	..	·140
29	30·033	+·025	77·4	57·7	19·7	67·7	−0·8	62·1	57·5	−2·1	70	− 4	·473	135·2	45·8	0·000	..	·180
30	30·055	+·048	77·2	59·4	17·8	67·2	−1·3	61·5	56·8	−2·9	70	− 3	·462	131·7	48·9	0·000	..	·200
31	30·081	+·074	77·4	58·0	19·4	67·4	−1·2	61·9	57·4	−2·3	71	− 2	·472	134·0	48·0	0·000	..	·200
Mean	30·043	+·033	75·5	59·8	15·7	67·1	−0·9	62·7	59·2	−0·2	75·8	+1·3	·504	132·7	51·5	Sum 1·080	Sum 703	·158
Average	30·010	..	75·7	61·9	13·8	68·0	..	63·2	59·4	..	74·5	..	·508	134·4	56·0	2·725	1707	·159
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	7·2	8·6	77	− 5·1	+14·3	70	15·2	+ 4	+ 4·1	15·2	74·6	76·72	o.p. : c.q. : c.p.
2	6·0	8·0	8·5	76	− 3·1	+17·5	80	17·8	+ 14	+ 6·7	18·0	74·6	76·67	c.p.q.
3	4·5	5·3	7·6	68	− 2·6	+12·4	78	12·7	+ 12	+ 1·6	12·7	74·6	76·67	c. : c.f.
4	2·0	6·5	9·6	86	− 3·3	+ 8·2	68	8·8	+ 1	− 2·3	9·3	74·6	76·67	c.p. : c.f. : c.p.
5	3·0	8·2	6·1	54	− 2·4	+ 5·2	65	5·7	− 2	− 5·4	6·4	74·5	76·62	c.p. : c. : b.
6	3·0	4·3	10·3	92	− 1·2	+ 6·8	80	6·9	+ 13	− 4·2	7·6	74·4	76·57	b. : c.f. : b.
7	6·0	3·4	7·7	68	0·0	+ 6·3	90	6·3	+ 23	− 4·8	6·6	74·4	76·52	b. : c.f. : c.p.
8	4·0	6·0	6·5	58	− 3·1	+ 6·3	64	7·1	− 3	− 4·0	7·3	74·4	76·52	c.p. : c.f.
9	4·0	6·4	9·8	87	− 0·6	+ 8·9	86	8·9	+ 19	− 2·3	9·2	74·4	76·52	c.p. : c.f.
10	1·5	4·0	10·0	88	− 0·4	+ 9·9	88	9·9	+ 21	− 1·3	10·2	74·3	76·47	b. : c.f. : c.p.
11	4·0	6·2	9·1	80	+ 0·8	+13·4	93	13·4	+ 26	+ 2·2	13·5	74·3	76·47	c.p. : c.f.
12	2·0	4·0	9·2	81	− 3·1	+13·8	77	14·1	+ 10	+ 2·9	14·4	74·2	76·47	b. : c.f.q. : b.
13	2·5	5·8	7·4	65	− 3·8	+ 9·3	68	10·0	+ 1	− 1·2	10·1	74·2	76·52	b. : c.f.
14	5·0	4·7	7·7	68	− 1·2	+ 7·2	80	7·3	+ 12	− 3·9	7·6	74·3	76·47	b. : c.f.
15	4·0	8·5	7·2	63	− 1·2	+ 7·7	81	7·8	+ 13	− 3·4	8·0	74·2	76·47	c. : b.
16	5·0	8·5	6·7	59	− 1·6	+ 6·9	77	7·1	+ 9	− 4·1	7·4	74·2	76·42	b. : c.f.
17	3·0	7·6	7·4	65	− 3·2	+ 7·9	68	8·5	0	− 2·7	8·6	74·3	76·47	c. : b.
18	4·0	4·1	8·7	76	− 3·3	+ 9·0	70	9·6	+ 2	− 1·6	9·7	74·3	76·42	c.f. : : b.
19	2·0	2·9	9·6	84	− 2·5	+ 7·1	71	7·5	+ 3	− 3·7	7·6	74·3	76·37	b. : c.f.
20	3·0	2·9	10·6	92	− 1·0	+ 8·7	83	8·7	+ 15	− 2·5	8·8	74·2	76·32	b. : c.f.
21	4·0	7·5	3·0	26	− 0·2	+ 7·0	88	7·0	+ 20	− 4·2	7·2	74·2	76·32	b. : c.f. : o.p.
22	1·5	7·3	8·9	77	+ 1·1	+10·5	96	10·5	+ 28	− 0·7	10·7	74·2	76·32	c.p.
23	2·0	5·0	9·7	84	− 2·4	+12·7	79	12·9	+ 11	+ 1·7	13·1	74·2	76·32	c.p.
24	3·5	6·5	9·8	85	− 3·3	+11·1	73	11·6	+ 4	+ 0·4	11·8	74·3	76·32	c.p. : c.f.
25	5·0	8·7	4·0	35	− 3·6	+ 8·4	67	9·1	− 2	− 2·1	9·2	74·3	76·32	c. : o.p.
26	4·5	7·3	9·6	83	− 2·8	+10·5	75	10·9	+ 6	− 0·3	11·1	74·3	76·32	c.p. : c.f. : o.
27	4·0	3·5	9·6	83	− 1·3	+ 7·3	80	7·4	+ 11	− 3·8	8·2	74·2	76·27	c. : c.f. : b.
28	3·0	5·1	6·5	56	− 1·2	+ 6·4	79	6·5	+ 10	− 4·7	6·9	74·2	76·27	b. : c.f. : c. : c.f.
29	2·0	2·4	10·8	93	− 3·5	+ 7·6	65	8·4	− 4	− 2·8	8·5	74·1	76·22	b. : c.f.
30	4·0	1·6	10·6	91	− 3·8	+ 9·0	67	9·8	− 2	− 1·4	9·8	74·1	76·17	b. : c.f.
31	2·0	5·7	10·4	90	− 2·3	+ 9·3	76	9·6	+ 7	− 1·6	10·0	74·1	76·12	c.f.
Mean -	3·5	5·6	8·43	73·9	− 2·10	+ 9·25	77·2	9·49	+ 9·5	− 1·69	9·83	74·31	76·43	..
Average	5·2	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

In this month the curves of temperature, vapour tension and wind velocity followed generally the pressure curve, with the exception of positive waves of temperature and vapour tension culminating respectively 2 and 3 days earlier than the pressure maximum of the 25th.

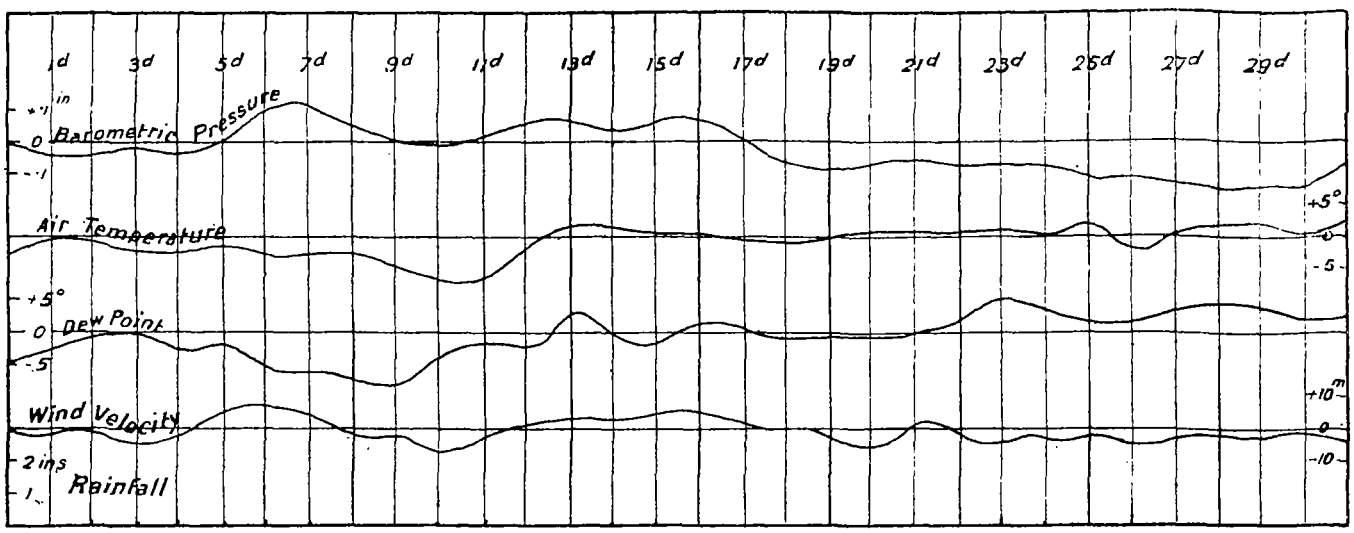
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	30·097	+·090	77·6	63·3	14·3	69·2	+0·6	62·7	57·7	− 2·0	67	− 6	·477	127·1	55·8	0·070	45	·250
2	30·078	+·072	77·0	62·2	14·8	69·0	+0·3	63·7	59·5	− 0·3	72	− 1	·509	133·7	52·5	0·000	..	·200
3	30·059	+·053	78·3	64·0	14·3	70·0	+1·3	64·6	60·5	+ 0·7	72	− 1	·528	137·9	58·0	0·010	5	·190
4	30·061	+·056	76·7	64·4	12·3	69·5	+0·7	63·9	59·6	− 0·2	71	− 2	·511	136·3	58·6	0·060	20	·200
5	30·046	+·041	76·4	66·1	10·3	70·6	+1·7	64·9	60·5	+ 0·7	71	− 2	·528	133·2	62·4	0·070	30	·170
6	30·042	+·038	76·4	64·4	12·0	69·7	+0·8	65·4	62·1	+ 2·2	77	+ 4	·558	139·0	55·3	0·150	90	·190
7	30·022	+·019	78·3	58·9	19·4	67·8	−1·2	64·0	61·0	+ 1·1	79	+ 6	·537	138·3	51·6	0·110	45	·160
8	29·982	−·020	75·6	56·8	18·8	66·2	−2·8	62·0	58·6	− 1·3	77	+ 4	·492	129·2	48·2	0·000	..	·120
9	29·976	−·025	75·5	63·5	12·0	68·1	−1·0	63·0	58·9	− 1·1	72	0	·498	134·4	57·9	0·230	115	·170
10	29·989	−·012	76·2	54·7	21·5	65·1	−4·0	57·7	51·5	− 8·5	62	− 10	·381	136·6	45·0	0·000	..	·190
11	29·980	−·020	75·7	52·0	23·7	65·1	−4·1	57·1	50·5	− 9·5	59	− 13	·367	145·2	42·9	0·000	..	·190
12	30·022	+·023	71·2	62·2	9·0	66·7	−2·6	58·8	52·4	− 7·7	60	− 12	·394	115·5	59·2	0·000	..	·140
13	30·064	+·066	76·2	61·3	14·9	68·1	−1·3	59·8	53·2	− 6·9	59	− 13	·406	132·4	52·2	0·000	..	·230
14	30·060	+·063	76·9	59·1	17·8	68·0	−1·5	62·9	58·8	− 1·3	73	+ 1	·496	137·5	49·7	0·030	14	·180
15	30·046	+·050	76·8	65·0	11·8	69·5	0·0	65·8	63·0	+ 2·8	80	+ 8	·576	132·6	59·8	0·010	5	·150
16	30·035	+·041	77·5	63·3	14·2	68·9	−0·7	64·4	60·8	+ 0·6	75	+ 3	·533	129·1	56·0	0·025	12	·115
17	30·009	+·016	78·8	60·7	18·1	68·0	−1·7	64·1	60·9	+ 0·7	78	+ 6	·535	139·1	49·9	0·060	40	·100
18	29·992	+·001	74·8	57·6	17·2	65·8	−3·9	61·8	58·5	− 1·8	78	+ 6	·491	127·8	47·5	0·080	50	·100
19	30·031	+·041	72·8	59·2	13·6	65·4	−4·4	59·6	54·7	− 5·6	69	− 2	·428	129·9	52·1	0·010	5	·160
20	30·057	+·068	74·7	56·5	18·2	65·6	−4·3	57·6	51·0	− 9·3	59	− 12	·374	138·9	46·7	0·000	..	·220
21	30·077	+·089	74·4	50·9	23·5	64·0	−6·0	56·5	50·2	−10·2	61	− 10	·364	135·3	42·0	0·000	..	·220
22	30·061	+·074	74·9	54·3	20·6	65·4	−4·7	58·5	52·8	− 7·6	64	− 7	·400	135·9	43·9	0·000	..	·200
23	30·083	+·098	75·9	61·9	14·0	68·0	−2·1	61·8	56·8	− 3·7	68	− 3	·462	135·3	53·4	0·000	..	·190
24	30·085	+·101	76·8	61·2	15·6	68·4	−1·8	61·9	56·7	− 3·8	66	− 5	·461	138·4	52·1	0·000	..	·190
25	30·038	+·056	76·9	59·3	17·6	67·8	−2·4	61·2	55·9	− 4·7	66	− 5	·447	138·9	48·4	0·000	..	·180
26	30·038	+·057	77·8	56·0	21·8	66·3	−4·0	59·6	54·1	− 6·5	65	− 6	·419	141·9	46·9	0·000	..	·220
27	30·056	+·077	78·4	56·6	21·8	67·4	−3·0	61·6	56·8	− 3·9	69	− 2	·462	130·7	48·0	0·000	..	·230
28	30·036	+·058	77·7	60·0	17·7	68·8	−1·7	63·3	58·9	− 1·8	71	0	·498	137·4	51·7	0·020	10	·190
29	30·001	+·025	77·8	64·0	13·8	69·3	−1·3	63·2	58·5	− 2·2	69	− 2	·491	136·8	58·1	0·165	60	·265
30	29·967	−·007	77·6	59·9	17·7	68·1	−2·5	61·6	56·4	− 4·4	66	− 5	·456	135·4	48·7	0·000	..	·210
Mean	30·036	+·043	76·4	60·0	16·4	67·7	−1·9	61·8	57·0	− 3·2	69·2	−2·7	·469	134·7	51·8	Sum 1·100	Sum 546	·184
Average	29·993	..	77·5	62·4	15·1	69·6	..	64·3	60·2	..	71·9	..	·522	138·7	56·8	1·297	952	·192
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·0	4·5	10·6	91	− 2·4	+10·5	77	10·8	+ 8	− 0·3	11·0	74·0	76·17	c.p. : c.f.
2	2·0	5·0	10·9	93	− 4·1	+10·4	68	11·1	− 2	0·0	11·3	74·1	76·17	c.f.
3	3·0	6·5	9·6	82	− 2·7	+11·2	76	11·5	+ 6	+ 0·4	11·7	74·2	76·12	c. : c.p.
4	4·0	6·5	9·2	79	− 2·6	+13·0	79	13·3	+ 9	+ 2·2	13·4	74·1	76·07	c.p. : c.f.q.
5	3·0	8·0	5·9	50	+ 1·2	+13·3	95	13·4	+ 25	+ 2·3	13·6	74·1	76·12	c.p. : c.
6	3·5	7·5	9·3	79	+ 1·6	+10·6	99	10·7	+ 29	− 0·4	11·2	74·1	76·12	o.p. : c.f.q. : b.
7	4·0	6·7	6·6	56	− 1·1	+ 2·9	69	3·1	− 1	− 7·9	5·2	74·1	76·12	b. : c.p.
8	3·0	3·3	6·6	56	− 2·4	− 0·3	353	2·4	+ 283	− 8·6	4·8	74·2	76·12	c.p. : c.f.
9	3·0	9·1	3·4	29	− 8·6	+ 7·1	40	11·2	− 30	+ 0·2	11·4	74·2	76·12	o.p. : b.
10	3·0	3·0	10·1	86	− 4·7	+ 2·4	27	5·3	− 43	− 5·7	7·4	74·2	76·12	c.f.
11	3·0	5·2	7·4	62	− 4·4	+ 1·4	18	4·6	− 53	− 6·3	6·6	74·2	76·12	f. : e.
12	2·5	10·0	1·2	10	− 3·5	+ 5·0	55	6·1	− 16	− 4·8	6·2	74·2	76·07	o.
13	3·0	4·6	10·1	85	− 4·0	+ 7·9	63	8·8	− 8	− 2·1	9·1	74·2	76·02	o. : c.f.
14	4·0	8·5	5·6	47	− 5·0	+10·5	65	11·6	− 6	+ 0·8	11·8	74.2	75·97	c.f. : c.p.q.
15	5·0	8·6	5·1	43	− 2·5	+10·9	77	11·2	+ 6	+ 0·4	11·7	74·2	75·92	c.q. : c.p.
16	6·0	9·5	3·3	28	− 3·4	+ 9·4	70	10·0	− 2	− 0·7	10·4	74·3	75·92	c.f. : o.p. : f.
17	4·0	6·0	5·6	47	− 3·8	+ 3·2	40	5·0	− 32	− 5·7	7·0	74·3	75·97	b. : c.p. : b.
18	4·0	5·4	4·3	36	− 7·3	+ 2·9	22	7·9	− 50	− 2·7	9·0	74·3	75·97	b. : o.p.
19	4·0	5·4	7·0	58	−11·0	+ 7·0	33	13·0	− 39	+ 2·4	13·5	74·3	76·02	b. : c.p.q.
20	2·0	4·9	10·8	90	− 8·7	+10·8	51	13·8	− 21	+ 3·2	13·9	74·3	76·02	c.f.q.
21	4·5	4·8	10·9	91	− 7·5	+ 7·4	45	10·6	− 27	+ 0·1	11·0	74·3	75·97	c.f.q.
22	3·0	7·7	7·4	61	− 5·3	+ 9·2	60	10·6	− 12	+ 0·1	11·0	74·3	75·92	c.f. : c.q.
23	2·0	5·5	7·5	62	− 3·9	+10·0	69	10·8	− 4	+ 0·4	10·9	74·2	75·92	c.
24	2·0	5·8	10·0	83	− 3·5	+ 9·6	70	10·2	− 3	− 0·2	10·4	74·2	75·87	c.f. : c.
25	4·0	5.5	9·1	75	− 3·0	+ 7·4	68	8·0	− 5	− 2·3	8·4	74·2	75·87	c.f.
26	1·0	4·0	11·0	91	− 3·7	+ 6·2	59	7·3	− 14	− 3·0	7·5	74·1	75·82	c.f.
27	2·0	4·2	10·5	86	− 3·0	+ 9·6	73	10·1	0	− 0·1	10·3	74·2	75·87	c.f.
28	3·0	8·8	6·6	54	− 2·7	+ 9·5	74	9·9	0	− 0·3	10·2	74·2	75·87	c.p. : c. : c.p.
29	3·5	6·5	8·5	70	− 4·5	+11·7	69	12·5	− 5	+ 2·3	12·9	74·2	75·87	o.p. : c.f.q.
30	2·0	3·4	10·3	84	− 3·7	+ 9·3	68	10·0	− 6	− 0·1	10·2	74·2	75·87	c.f.q.
Mean	3·2	6·1	7·81	65·4	− 4·01	+ 8·00	63·4	8·95	− 8·1	− 1·74	10·10	74·20	76·00	..
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

The principal features in this month were two unusally large negative waves of vapour tension, the first associated with increasing pressure and negative waves of temperature and wind velocity, and the second with a positive wave of pressure, a negative wave of temperature, and nearly normal wind velocity.

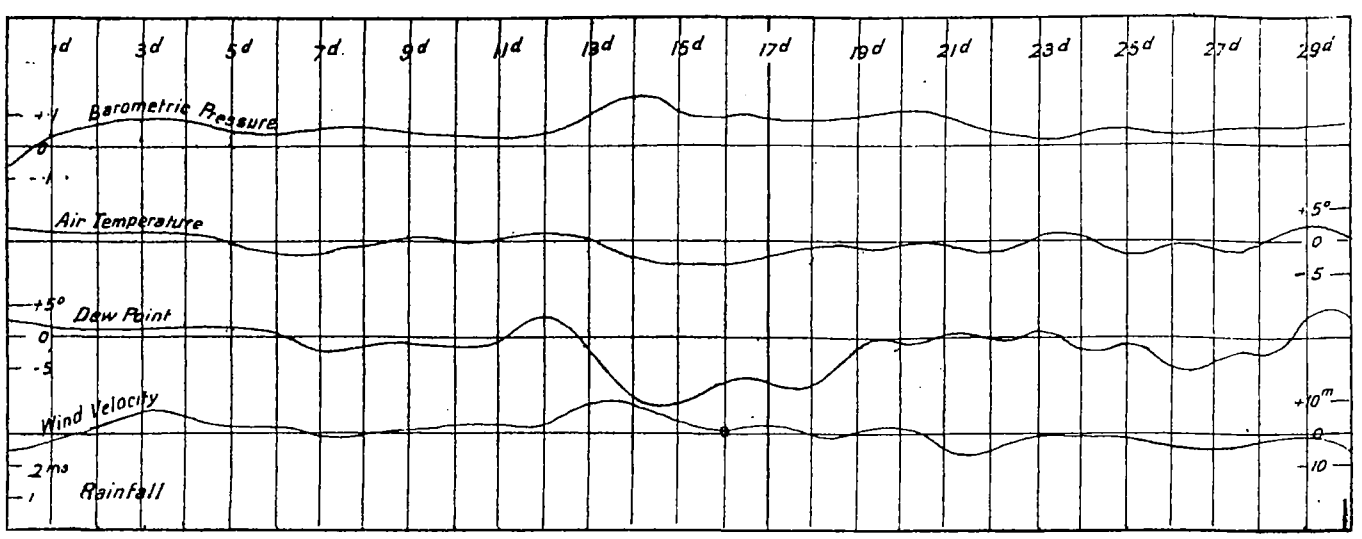
Month and Day, 1904.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature 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	29·938	−·034	78·9	64·9	14·0	70·6	−0·1	64·0	58·8	−2·1	66	− 5	·496	141·8	56·8	0·000	..	·220
2	29·928	−·042	78·8	61·3	17·5	69·8	−1·0	64·5	60·5	−0·4	73	+ 2	·528	149·6	54·7	0·010	5	·190
3	29·947	−·021	76·9	61·5	15·4	68·9	−2·0	64·5	60·9	−0·1	76	+ 5	·535	116·1	52·3	0·010	5	·090
4	29·929	−·037	78·9	56·3	22·6	68·9	−2·1	63·0	58·2	−2·8	69	− 2	·485	141·5	48·0	0·025	20	·135
5	29·971	+·007	77·7	65·1	12·6	69·7	−1·3	63·8	59·3	−1·8	70	− 1	·505	142·2	60·5	0·140	85	·300
6	30·060	+·098	73·3	63·7	9·6	68·2	−2·9	61·1	55·4	−5·7	64	− 7	·439	127·8	59·6	0·030	20	·210
7	30·065	+·105	77·1	60·8	16·3	68·4	−2·8	60·8	54·7	−6·5	62	− 9	·428	136·5	52·2	0·065	20	·285
8	30·006	+·048	77·9	57·7	20·2	68·9	−2·4	60·7	54·2	−7·0	59	− 12	·421	149·3	49·8	0·000	..	·270
9	29·970	+·014	78·1	55·7	22·4	66·8	−4·6	59·2	53·1	−8·2	62	− 9	·404	139·6	48·0	0·000	..	·220
10	29·941	−·013	74·7	54·6	20·1	65·2	−6·3	60·9	57·4	−3·9	76	+ 5	·472	122·4	46·9	0·010	10	·090
11	29·960	+·008	77·2	60·3	16·9	69·2	−2·4	63·9	59·7	−1·7	72	+ 2	·512	142·0	52·9	0·010	3	·180
12	30·003	+·053	79·7	60·2	19·5	70·2	−1·5	63·7	58·7	−2·8	67	− 3	·494	137·4	52·6	0·000	..	·240
13	30·002	+·054	79·9	68·7	11·2	73·5	+1·7	68·4	64·6	+3·1	74	+ 4	·609	138·3	65·1	0·000	..	·220
14	29·984	+·038	81·5	68·4	13·1	73·3	+1·4	66·7	61·8	+0·2	67	− 3	·552	143·0	63·5	0·015	2	·235
15	30·006	+·062	80·7	67·1	13·6	72·5	+0·5	65·4	60·0	−1·7	65	− 5	·518	138·8	63·6	0·105	35	·305
16	30·009	+·067	78·9	69·1	9·8	72·5	+0·4	66·9	62·7	+1·0	71	+ 1	·570	134·8	63·2	0·000	..	·200
17	29·937	−·003	80·3	66·7	13·6	72·1	−0·1	66·3	61·9	+0·1	70	0	·554	148·3	61·2	0·000	..	·200
18	29·879	−·059	80·6	65·4	15·2	71·5	−0·8	65·4	60·8	−1·0	69	− 1	·533	140·9	59·3	0·000	..	·280
19	29·854	−·082	82·9	62·2	20·7	72·3	−0·1	66·1	61·5	−0·4	69	− 1	·546	143·9	54·3	0·000	..	·240
20	29·871	−·063	82·9	65·0	17·9	72·9	+0·4	66·3	61·4	−0·6	67	− 3	·545	140·3	56·7	0·000	..	·240
21	29·876	−·056	80·5	66·8	13·7	73·0	+0·4	66·6	61·8	−0·3	68	− 2	·552	143·6	61·5	0·000	..	·280
22	29·858	−·072	82·9	63·4	19·5	73·3	+0·6	67·6	63·3	+1·2	71	+ 1	·582	140·0	56·5	0·000	..	·240
23	29·859	−·069	78·8	69·8	9·0	73·8	+1·0	70·0	67·3	+5·1	80	+ 10	·668	130·3	65·9	0·265	55	·145
24	29·859	−·067	79·0	68·2	10·8	72·9	0·0	68·9	66·0	+3·7	79	+ 9	·639	116·5	65·7	0·040	35	·130
25	29·810	−·114	84·4	65·7	18·7	74·7	+1·7	68·9	64·6	+2·2	71	+ 2	·609	143·6	59·4	0·000	..	·260
26	29·812	−·110	85·1	64·9	20·2	71·1	−2·1	67·0	63·9	+1·5	78	+ 9	·594	144·2	58·5	0·290	170	·230
27	29·790	−·129	83·5	66·0	17·5	74·1	+0·8	69·5	66·1	+3·6	76	+ 7	·641	141·9	61·7	0·000	..	·240
28	29·769	−·148	84·4	67·1	17·3	74·9	+1·5	70·5	67·2	+4·6	77	+ 8	·666	141·5	62·0	0·000	..	·240
29	29·778	−·137	84·9	66·6	18·3	75·4	+1·9	70·5	66·8	+4·1	75	+ 6	·657	141·9	60·1	0·000	..	·230
30	29·776	−·137	84·2	65·3	18·9	74·3	+0·7	68·9	65·0	+2·3	73	+ 4	·617	141·5	59·7	0·000	..	·260
31	29·850	−·061	87·1	65·4	21·7	75·8	+2·1	69·6	65·2	+2·4	70	+ 1	·622	145·3	59·3	0·000	..	·290
Mean	29·913	−·029	80·4	64·0	16·4	71·6	−0·5	65·8	61·4	−0·4	70·5	+ 0·4	·548	138·9	57·8	Sum 1·015	Sum 465	·222
Average	29·942	..	81·0	64·6	16·4	72·1	..	66·2	61·8	..	70·1	..	·552	143·3	59·2	1·226	823	·229
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·0	5·7	9·5	78	− 1·9	+ 8·7	78	8·9	+ 3	− 1·1	9·3	74·2	75·87	c.f.
2	2·0	9·1	9·4	76	− 0·5	+ 9·1	87	9·1	+ 12	− 0·9	9·4	74·2	75·87	c.p. : c.f. : b.
3	3·0	9·4	2·1	17	− 2·6	+ 3·6	54	4·4	− 21	− 5·5	6·0	74·2	75·82	b. : c.p.l.t. : b.
4	3·0	5·3	9·4	77	− 4·0	+ 6·5	58	7·6	− 17	− 2·3	8·9	74·2	75·82	b. : c.f. : c.p.
5	2·0	7·6	8·3	67	− 5·4	+14·0	70	14·9	− 6	+ 5·1	15·3	74·3	75·87	c.p. : c.f.q. : c. : c.f.
6	7·0	6·5	8·2	67	− 3·8	+16·6	77	17·0	+ 1	+ 7·2	17·2	74·3	75·82	c.p. : c.q. : c.p.q.
7	3·0	7·0	9·3	76	− 2·0	+14·6	82	14·7	+ 6	+ 5·0	14·8	74·2	75·77	o.p.q. : c.f.q.
8	2·0	4·5	10·8	87	− 0·3	+ 7·8	88	7·8	+ 12	− 1·9	8·4	74·3	75·77	c.f.
9	1·0	7·2	7·2	58	− 2·5	+ 6·9	70	7·3	− 6	− 2·3	7·7	74·3	75·77	f. : c. : b.
10	2·0	9·5	1·2	10	− 0·5	+ 3·1	81	3·2	+ 4	− 6·4	5·3	74·3	75·77	b. : c.p.
11	2·0	7·5	5·7	46	+ 0·3	+ 7·8	92	7·8	+ 15	− 1·8	8·5	74·3	75·77	c.p. : c.f.
12	3·0	8·0	8·8	71	+ 1·0	+10·0	96	10·0	+ 19	+ 0·5	10·2	74·3	75·72	c.f.
13	4·0	8·1	5·3	43	+ 0·1	+12·6	90	12·6	+ 13	+ 3·1	12·8	74·3	75·77	c.
14	3·0	7·0	7·5	60	− 3·2	+11·3	74	11·7	− 3	+ 2·3	12·2	74·3	75·77	c.q. : c.p.
15	4·0	4·8	7·6	61	− 2·7	+13·3	78	13·6	0	+ 4·2	13·8	74·3	75·77	c.p.q. : c.q.
16	4·0	8·5	6·5	52	− 0·8	+14·1	87	14·1	+ 9	+ 4·7	14·3	74·3	75·77	c.f.
17	2·0	7·9	7·1	57	− 0·8	+10·6	86	10·6	+ 8	+ 1·3	11·0	74·4	75·77	c.f. : c. : c.f.
18	2·0	4·5	8·8	70	+ 1·0	+ 9·4	96	9·4	+ 18	+ 0·1	9·8	74·4	75·72	b. : c.f. : b.
19	3·0	4·2	10·3	82	+ 4·2	+ 4·5	133	6·1	+ 55	− 3·2	6·6	74·4	75·72	c.f. : c.
20	2·0	5·0	9·5	75	+ 0·3	+ 3·6	95	3·6	+ 16	− 5·7	6·4	74·5	75·67	c. : c.f. : b.
21	3·0	4·3	11·8	94	+ 1·8	+ 9·8	100	10·0	+ 21	+ 0·8	10·5	74·5	75·67	b. : c.f. : b.
22	2·0	4·4	10·8	86	+ 4·4	+ 5·7	128	7·2	+ 49	− 2·0	7·4	74·6	75·67	b. : c.f. : o.
23	3·0	9·6	2·4	19	+ 3·5	+ 4·5	128	5·7	+ 49	− 3·5	6·6	74·6	75·67	o.p.
24	4·0	9·9	1·0	8	+ 2·2	+ 6·2	109	6·6	+ 30	− 2·6	7·1	74·6	75·62	o.p.
25	3·0	5·8	10·7	84	+ 5·7	+ 1·4	166	5·9	+ 86	− 3·2	7·0	74·7	75·67	o. : c.f.
26	3·0	7·0	7·9	62	+ 2·5	+ 3·6	125	4·4	+ 45	− 4·7	9·5	74·8	75·67	c.f. : o.p.t.
27	2·5	6·2	10·5	83	+ 5·5	− 0·1	181	5·5	+ 101	− 3·6	8·5	74·9	75·67	o. : c.
28	2·0	6·5	10·2	80	+ 6·0	− 3·0	207	6·7	+ 127	− 2·4	7·3	74·9	75·67	c.f.
29	3·0	5·8	10·3	80	+ 5·4	− 2·6	206	6·0	+ 126	− 3·1	6·3	75·0	75·67	c. : c.f. : b.
30	0·5	5·0	11·5	90	+ 6·2	− 2·6	203	6·7	+ 123	− 2·3	7·3	75·1	75·67	c.f. : b.
31	1·0	5·5	10·2	80	+ 4·4	− 0·7	189	4·4	+ 108	− 4·6	6·8	75·2	75·72	c.f.
Mean	2·7	6·7	8·06	64·4	+ 0·76	+6·78	96·4	6·82	+18·7	− 2·59	9·43	74·48	75·74	..
Average	4·1	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 positive wave of pressure from the 5th to the 9th was accompanied by a positive wave of wind velocity, and negative waves of temperature and vapour tension lasting till the 12th. A prolonged negative wave of pressure from the 17th to the 31st was accompanied by nearly normal temperature with vapour tension above, and wind velocity slightly below normal after the 22nd. The principal rainfall occurred from the 2nd to the 7th and from the 23rd to the 26th.

Month and Day, 1904.	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	29·949	+·041	84·9	65·9	19·0	75·2	+1·4	69·0	64·4	+1·5	69	0	·605	138·1	60·8	0·000	..	·300
2	29·980	+·074	83·7	69·6	14·1	75·7	+1·8	69·0	64·2	+1·2	68	−1	·601	139·7	62·5	0·015	10	·315
3	29·992	+·088	82·8	69·5	13·3	75·5	+1·6	68·9	64·2	+1·1	68	−1	·601	139·8	64·7	0·065	35	·305
4	29·983	+·081	82·0	69·7	12·3	75·5	+1·5	69·2	64·6	+1·4	69	+1	·609	146·1	67·3	0·000	..	·280
5	29·951	+·051	80·2	68·3	11·9	74·1	0·0	68·5	64·4	+1·1	72	+4	·605	146·9	62·4	0·020	9	·200
6	29·939	+·042	79·8	68·1	11·7	72·5	−1·7	67·7	64·1	+0·7	75	+7	·598	139·5	59·2	0·060	60	·200
7	29·955	+·060	83·1	64·0	19·1	73·1	−1·2	66·4	61·3	−2·2	67	−1	·543	142·0	57·6	0·000	..	·290
8	29·954	+·061	83·2	64·9	18·3	73·8	−0·6	67·2	62·2	−1·4	67	−1	·560	142·5	57·7	0·000	..	·280
9	29·924	+·033	83·8	67·2	16·6	74·8	+0·3	67·9	62·8	−0·9	66	−2	·572	142·4	61·6	0·000	..	·280
10	29·925	+·036	83·3	66·9	16·4	74·7	+0·1	67·0	62·5	−1·3	66	−2	·566	145·7	61·4	0·030	15	·310
11	29·914	+·027	83·1	65·7	17·4	75·2	+0·5	68·5	63·5	−0·3	67	−1	·586	144·6	59·8	0·020	10	·300
12	29·918	+·033	83·3	71·6	11·7	76·4	+1·6	71·0	67·0	+3·1	73	+5	·661	143·0	67·7	0·000	..	·220
13	29·986	+·103	83·3	68·9	14·4	74·9	0·0	67·0	61·2	−2·8	63	−5	·541	143·9	64·4	0·000	..	·350
14	30·038	+·157	79·3	68·1	11·2	72·2	−2·8	62·0	54·2	−9·9	54	−14	·421	142·2	63·4	0·000	..	·340
15	29·980	+·101	80·4	63·8	16·6	71·8	−3·3	61·7	54·0	−10·2	54	−14	·418	140·9	59·7	0·000	..	·340
16	29·970	+·094	81·8	63·0	18·8	72·1	−3·1	63·7	57·4	−6·9	60	−8	·472	145·2	54·1	0·000	..	·310
17	29·963	+·089	83·2	61·9	21·3	73·1	−2·2	64·1	57·4	−7·0	58	−10	·472	143·9	53·0	0·000	..	·350
18	29·952	+·080	84·0	68·5	15·5	74·3	−1·1	64·4	57·1	−7·4	55	−13	·467	150·8	58·9	0·000	..	·320
19	29·962	+·092	83·7	65·6	18·1	74·6	−0·9	68·2	63·5	−1·1	68	0	·586	145·7	58·3	0·000	..	·300
20	29·983	+·115	83·9	68·1	15·8	75·2	−0·4	68·9	64·3	−0·4	69	+1	·603	146·3	59·9	0·000	..	·210
21	29·947	+·082	84·8	66·5	18·3	75·2	−0·5	69·3	65·0	+0·2	71	+3	·617	146·2	57·3	0·000	..	·230
22	29·909	+·046	86·0	62·9	23·1	74·5	−1·3	68·9	64·8	−0·1	72	+3	·613	149·4	56·0	0·000	..	·240
23	29·880	+·019	85·7	69·9	15·8	77·0	+1·1	70·4	65·8	+0·8	68	−1	·635	146·9	64·5	0·010	30	·310
24	29·900	+·041	85·8	68·2	17·6	76·5	+0·5	68·7	63·1	−2·0	63	−6	·578	142·9	61·2	0·000	..	·270
25	29·912	+·055	81·0	67·1	13·9	73·6	−2·5	68·1	64·1	−1·1	72	+3	·598	152·7	59·9	0·125	75	·225
26	29·884	+·030	85·0	65·4	19·6	75·6	−0·6	66·7	60·3	−5·1	59	−10	·524	147·2	56·7	0·000	..	·340
27	29·895	+·043	84·8	64·9	19·9	74·9	−1·4	67·4	61·9	−3·6	64	−5	·554	144·1	57·7	0·000	..	·250
28	29·908	+·058	87·0	63·1	23·9	76·3	−0·1	68·4	62·7	−2·9	63	−6	·570	138·0	55·7	0·000	..	·320
29	29·913	+·065	86·8	72·8	14·0	79·0	+2·4	73·0	68·8	+3·1	71	+2	·704	144·2	65·9	0·010	10	·250
30	29·917	+·071	85·0	71·1	13·9	77·0	+0·3	72·3	69·0	+3·2	76	+7	·708	155·2	64·7	1·030	45	·230
Mean	29·943	+·066	83·5	67·0	16·5	74·8	−0·4	67·8	62·7	−1·6	66·2	−2·2	·573	144·5	60·5	Sum 1·385	Sum 299	·282
Average	29·877	..	84·1	67·2	16·9	75·2	..	68·8	64·3	..	68·4	..	·603	146·7	61·8	1·758	814	·271
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

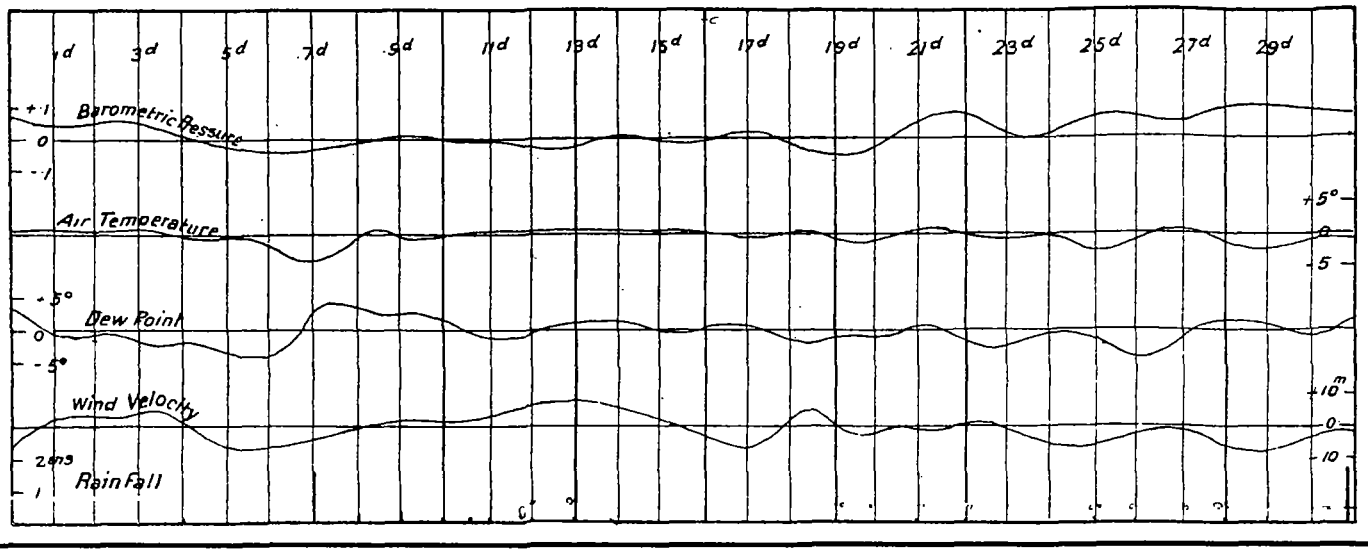


Month and Day, 1904.	Ozone (Scale 0—10).	Mean Amount of Cloud (Scale 0—10).	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. Components. North.	Wind. Components. East.	Wind. Resultants. Direction.	Wind. Resultants. Velocity.	Wind. Excess above Average. Direction.	Wind. Excess above 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	0·5	3·7	11·6	91	+ 0·6	+ 6·8	95	6·8	+ 14	— 2·2	7·6	75·2	75·72	b. : c.f. : b.
2	3·0	6·1	11·5	90	— 4·1	+ 9·6	67	10·4	— 14	+ 1·4	10·7	75·3	75·67	b. : c.p. : c.f. : b.
3	2·0	4·5	11·1	87	— 3·2	+15·5	78	15·8	— 3	+ 6·8	16·2	75·3	75·67	c.p. : c.f.q.
4	2·0	8·3	7·8	61	— 0·3	+14·2	89	14·2	+ 8	+ 5·2	14·4	75·4	75·67	c.f. : o. : c.f.
5	0·5	7·1	6·1	47	— 0·8	+ 9·8	85	9·8	+ 4	+ 0·9	10·2	75·4	75·67	c.p.
6	1·0	8·5	3·8	29	— 1·4	+10·0	82	10·1	0	+ 1·2	10·2	75·5	75·62	c.p. : c.f. : b.
7	2·0	5·9	9·9	77	— 0·5	+ 8·2	86	8·2	+ 4	— 0·7	8·3	75·6	75·57	b. : c.f. : b.
8	1·0	4·2	11·2	87	0·0	+ 8·7	90	8·7	+ 8	— 0·2	8·9	75·7	75·57	b. : c.f. : b.
9	1·0	2·8	8·2	64	— 2·2	+ 9·2	77	9·5	— 5	+ 0·6	9·7	75·8	75·62	b. : c.f. : b.
10	2·0	5·7	10·6	82	— 3·1	+10·8	74	11·3	— 8	+ 2·4	11·5	75·9	75·67	c.p. : c.f. : c.p.
11	4·0	4·1	9·5	73	— 3·8	+10·8	71	11·5	— 11	+ 2·6	11·6	76·0	75·67	c.p. : c.f. : o.
12	4·0	9·5	4·5	35	— 3·7	+10·8	71	11·4	— 12	+ 2·6	11·9	76·0	75·62	o. : c.f.
13	3·0	7·0	11·1	85	— 7·0	+16·8	67	18·2	— 16	+ 9·4	18·5	76·0	75·62	c.f.q.
14	1·5	7·3	10·3	79	— 4·7	+16·6	74	17·3	— 9	+ 8·5	17·4	76·0	75·67	c.f.q.
15	0·5	3·2	11·3	87	— 4·7	+10·9	67	11·8	— 16	+ 3·0	12·1	76·1	75·67	c f.
16	1·0	5·8	9·7	75	— 3·6	+ 9·1	68	9·8	— 15	+ 1·0	9·9	76·1	75·67	c. : c.f.
17	1·0	3·2	11·3	87	— 4·5	+ 9·9	66	10·9	— 18	+ 2·1	10·9	76·2	75·72	c.f. : o.
18	3·0	5·9	8·2	63	— 0·2	+ 7·9	89	7·9	+ 5	— 0·9	8·4	76·3	75·72	o. : c.f.
19	4·0	6·8	7·8	60	+ 0·1	+10·2	90	10·2	+ 6	+ 1·4	10·6	76·3	75·67	c.
20	4·5	9·0	2·8	21	— 3·3	+ 8·6	69	9·2	— 15	+ 0·5	9·6	76·3	75·67	c.f. : o. : c : b.
21	4·0	6·2	8·3	63	— 0·5	+ 3·4	82	3·4	— 2	— 5·3	7·6	76·4	75·72	c.f. : c. : b.
22	3·5	4·6	8·4	64	— 2·0	+ 2·7	53	3·4	— 31	— 5·3	6·5	76·5	75·72	b. : c.f.
23	4·0	5·3	10·2	78	+ 0·5	+ 7·8	94	7·8	+ 9	— 0·9	8·3	76·6	75·77	o.p. : c.f.
24	3·0	4·4	8·1	62	+ 0·1	+ 8·0	90	8·0	+ 5	— 0·7	8·4	76·6	75·77	c.f.
25	5·0	9·6	2·4	18	— 3·1	+ 6·5	65	7·2	— 20	— 1·5	7·7	76·7	75·77	c.f. : o.p. : b.
26	5·0	3·1	11·3	86	— 3·8	+ 2·9	37	4·8	— 48	— 3·9	7·9	76·7	75·77	b. : c.f.
27	3·0	4·7	8·7	66	— 3·0	+ 1·8	31	3·5	— 55	— 5·2	5·9	76·8	75·77	c.f.
28	4·0	1·6	12·1	92	+ 1·1	+ 6·3	100	6·4	+ 14	— 2·3	7·0	76·9	75·77	c.f.
29	3·0	7·0	9·4	71	+ 3·6	+ 6·6	119	7·5	+ 33	— 1·2	7·9	77·9	75·82	c.p. : c.f.t.
30	2·0	9·0	3·1	23	+ 0·8	+ 2·8	106	2·9	+ 20	— 5·8	5·6	77·0	75·82	c.f. : c.r.t. : b.
Mean -	2·6	5·8	8·68	66·7	—1·89	+ 8·77	77·8	8·97	— 5·6	+ 0·16	10·05	76·12	75·69	..
Average	3·3	5·5	8·59	66·1	—1·02	+ 8·75	83·4	8·81	..	..	10·70	77·02	76·34	..
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32

The pressure was above normal throughout the month. A superposed positive wave from the 12th to the 22nd was accompanied by negative waves of temperature and vapour tension from the 13th to the 19th, unusually large in vapour tension. The curve of wind velocity followed approximately the pressure curve.

The principal rainfall occurred on the 30th, with a steady barometer.

Month and Day, 1904.	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	29·831	+·048	85·3	70·7	14·6	77·2	+0·4	70·6	65·8	−0·1	68	− 2	·635	153·2	65·2	0·000	..	·300
2	29·890	+·049	85·1	69·7	15·4	77·2	+0·2	70·3	65·5	−0·5	67	− 3	·628	144·9	63·2	0·000	..	·320
3	29·885	+·046	85·2	72·2	13·0	77·8	+0·7	70·1	64·7	−1·5	64	− 6	·611	143·9	67·8	0·000	..	·320
4	29·853	+·016	85·5	70·0	15·5	76·9	−0·3	69·8	64·6	−1·7	66	− 4	·609	140·2	63·8	0·010	5	·330
5	29·808	−·027	87·3	67·1	20·2	76·9	−0·4	68·9	63·2	−3·2	63	− 7	·580	145·1	60·8	0·000	..	·280
6	29·791	−·042	86·6	65·4	21·2	76·2	−1·2	68·2	62·4	−4·1	62	− 8	·564	140·6	57·7	0·000	..	·300
7	29·794	−·037	78·6	71·5	7·1	73·4	−4·1	70·7	68·7	+2·1	85	+ 15	·701	126·8	63·9	1·475	205	·085
8	29·813	−·016	86·3	72·5	13·8	77·5	−0·1	73·0	69·8	+3·1	77	+ 7	·728	142·0	70·4	0·250	135	·110
9	29·830	+·003	83·3	69·9	13·4	76·6	−1·0	72·1	69·0	+2·2	78	+ 7	·708	145·1	68·9	0·265	80	·305
10	29·818	−·007	84·1	72·2	11·9	77·3	−0·4	72·4	68·9	+1·9	76	+ 5	·706	142·0	69·1	0·020	15	·260
11	29·810	−·012	85·0	72·5	12·5	77·9	+0·1	70·9	66·0	−1·1	67	− 4	·639	137·6	65·7	0·020	10	·320
12	29·792	−·028	84·3	72·5	11·8	77·9	+0·1	71·3	66·7	−0·5	69	− 2	·655	145·0	68·8	0·020	10	·300
13	29·787	−·031	83·5	73·8	9·7	78·2	+0·3	72·6	68·6	+1·3	73	+ 2	·699	145·3	70·5	0·040	15	·280
14	29·821	+·005	83·5	74·4	9·1	78·3	+0·3	72·6	68·5	+1·1	72	+ 1	·697	148·7	71·2	0·000	..	·250
15	29·801	−·013	85·3	73·3	12·0	78·7	+0·7	72·2	67·6	+0·1	69	− 2	·675	146·7	67·5	0·000	..	·290
16	29·800	−·011	87·0	69·8	17·2	78·4	+0·3	72·2	67·8	+0·2	70	− 1	·680	150·1	64·7	0·000	..	·250
17	29·829	+·020	85·8	70·7	15·1	77·5	−0·6	72·2	68·5	+0·7	74	+ 3	·697	147·6	65·0	0·000	..	·210
18	29·790	−·017	85·8	73·3	12·5	78·2	0·0	71·1	66·1	−1·8	66	− 5	·641	150·7	67·7	0·000	..	·280
19	29·748	−·057	85·6	70·2	15·4	77·4	−0·8	71·1	66·6	−1·4	69	− 2	·652	148·9	64·3	0·030	15	·310
20	29·779	−·024	87·1	67·6	19·5	77·0	−1·3	71·2	67·0	−1·1	71	0	·661	144·4	62·5	0·000	..	·220
21	29·856	+·056	86·6	70·9	15·7	78·6	+0·3	72·6	68·4	+0·2	71	0	·694	144·0	65·1	0·040	20	·220
22	29·874	+·076	85·3	72·1	13·2	78·2	−0·2	71·4	66·6	−1·7	68	− 3	·652	140·8	64·7	0·030	20	·320
23	29·815	+·019	85·3	70·0	15·3	77·8	−0·6	71·0	66·2	−2·2	67	− 4	·644	151·4	63·5	0·000	..	·300
24	29·807	+·013	87·3	69·4	17·9	78·0	−0·4	72·0	67·8	−0·7	71	0	·680	146·8	63·9	0·000	..	·180
25	29·859	+·067	85·6	68·6	17·0	75·9	−2·6	70·8	67·1	−1·5	74	+ 3	·664	145·4	63·1	0·080	35	·120
26	29·856	+·066	88·2	67·5	20·7	77·7	−0·8	69·8	64·2	−4·5	63	− 9	·601	142·2	62·1	0·025	15	·315
27	29·837	+·049	87·4	71·0	16·4	78·9	+0·4	72·5	68·0	−0·8	69	− 3	·684	149·5	65·2	0·000	..	·210
28	29·873	+·087	86·5	72·6	13·9	77·4	−1·2	73·5	70·7	+1·8	80	+ 8	·751	145·7	67·8	0·110	80	·120
29	29·883	+·099	83·0	71·0	12·0	76·6	−2·0	73·0	70·4	+1·4	82	+ 10	·744	131·7	65·7	0·170	60	·140
30	29·867	+·085	87·1	69·4	17·7	78·1	−0·5	72·3	68·2	−0·9	72	0	·689	151·2	64·3	0·000	..	·280
31	29·849	+·069	86·5	72·4	14·1	77·7	−0·9	73·8	71·0	+1·8	80	+ 8	·759	147·1	70·2	1·690	235	·240
Mean	29·829	+·018	85·5	70·8	14·7	77·5	−0·5	71·5	67·2	−0·4	71·1	+0·2	·669	144·7	65·6	Sum 4·275	Sum 955	·250
Average	29·811	..	85·8	71·2	14·6	78·0	..	72·1	67·6	..	70·9	..	·676	146·9	66·5	4·656	1423	·257
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Month and Day, 1904.	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	3·5	5·0	11·3	85	− 1·8	+10·7	80	10·8	− 6	+ 2·2	11·2	77·1	75·82	c.f.
2	4·0	4·5	11·5	86	+ 0·9	+12·0	94	12·0	+ 7	+ 3·4	12·2	77·2	75·82	c.f.
3	4·5	4·8	10·5	79	+ 1·0	+13·2	94	13·2	+ 7	+ 4·6	13·4	77·2	75·82	c.f. : c.
4	4·0	3·5	11·8	89	+ 2·0	+ 8·7	103	8·9	+ 16	+ 0·3	9·2	77·2	75·82	c.p. : c.f. : b.
5	3·5	4·4	10·8	81	+ 0·7	+ 2·5	106	2·6	+ 19	− 6·0	7·0	77·3	75·82	b. : c.f.
6	3·0	3·4	10·5	79	− 1·5	− 0·8	332	1·7	+ 244	− 6·9	6·4	77·3	75·82	b. : c.f. : c.
7	5·0	9·7	0·3	2	− 3·6	+ 1·6	24	3·9	− 64	− 4·7	6·8	77·4	75·87	c.f. : o.p.l.t.
8	3·5	8·9	6·7	50	+ 3·2	+ 7·1	114	7·8	+ 26	− 0·8	8·3	77·5	75·92	o.p.
9	4·0	8·3	8·5	64	+ 0·9	+10·3	95	10·3	+ 7	+ 1·7	10·8	77·6	75·92	o.p. : c.
10	3·0	7·0	9·0	68	+ 1·6	+ 9·5	100	9·6	+ 11	+ 1·0	9·7	77·6	75·97	c.f. : c.p. : c.
11	2·0	4·0	12·0	90	− 0·2	+11·7	89	11·7	0	+ 3·2	12·0	77·7	75·97	c.p. : c.f.
12	5·0	6·2	11·4	86	− 0·5	+14·6	88	14·6	− 1	+ 6·1	14·9	77·8	75·97	c.f.q.
13	5·0	6·3	10·5	79	− 0·1	+14·8	90	14·8	0	+ 6·3	15·0	77·9	75·97	c.p. : c.f.q.
14	5·0	7·6	7·4	56	+ 1·4	+13·8	96	13·9	+ 6	+ 5·4	14·2	77·9	75·97	c.f. : c.q. : c.f.
15	3·0	4·5	11·4	86	+ 2·1	+10·0	102	10·2	+ 12	+ 1·7	10·4	78·0	75·97	c.f. : b.
16	3·0	6·0	8·6	65	+ 4·6	+ 4·0	139	6·1	+ 48	− 2·4	6·6	78·0	75·97	b. : c.f. : c.
17	2·0	8·6	5·6	42	− 0·9	− 0·9	315	1·3	+ 224	− 7·2	5·1	78·1	76·02	c.f. : c.
18	4·0	6·0	10·0	75	− 8·5	+ 7·1	40	11·0	− 51	+ 2·5	11·6	78·1	76·07	o. : c. : o.
19	3·0	6·6	10·5	79	+ 0·1	+ 8·7	90	8·7	− 1	+ 0·2	9·9	78·2	76·07	c.p. : c. : c.f.
20	1·0	6·3	10·7	80	+ 4·1	+ 5·6	126	6·9	+ 34	− 1·6	7·4	78·2	76·07	b. : c. : c.f.
21	3·0	5·7	11·5	86	+ 3·3	+ 7·5	114	8·1	+ 22	− 0·4	8·6	78·3	76·12	c.f. : c.p.
22	3·0	3·8	11·8	89	+ 0·1	+ 9·1	90	9·1	− 2	+ 0·6	9·3	78·3	76·12	c.p. : c.f.
23	2·0	4·5	11·5	86	+ 1·5	+ 7·4	101	7·6	+ 8	− 0·9	8·0	78·4	76·17	c.f.
24	1·0	6·3	6·3	47	+ 2·7	+ 0·6	167	2·8	+ 74	− 5·7	6·1	78·5	76·22	c. : c.f. : c.
25	2·0	8·1	2·1	16	+ 0·5	+ 2·5	101	2·5	+ 8	− 6·0	5·6	78·5	76·22	c. : c.p. : c. : c.f.
26	3·0	3·0	10·4	78	+ 1·6	+ 5·0	108	5·2	+ 15	− 3·3	5·5	78·5	76·22	c.f. : b.
27	1·5	7·5	5·7	43	+ 4·7	+ 5·4	131	7·2	+ 39	− 1·3	7·8	78·6	76·22	c. : b.
28	1·0	9·2	2·2	17	+ 1·9	+ 2·2	131	2·9	+ 39	− 5·6	5·9	78·7	76·22	c. : o.p.
29	0·5	9·5	3·2	24	− 0·4	+ 1·0	68	1·1	− 24	− 7·4	4·1	78·7	76·22	o. : c. : o.p. : c.f. : b.
30	0·5	6·2	11·3	85	+ 0·5	+ 5·4	95	5·4	+ 4	− 3·1	6·6	78·7	76·22	b. : c. : c.f. : b.
31	3·0	9·4	3·8	29	+ 1·7	+ 5·8	106	6·0	+ 15	− 2·5	7·8	78·8	76·27	c. : c.p. : o.p.t. : o.r.l.
Mean	3·0	6·3	8·67	65·2	+ 0·76	+ 6·97	96·2	7·01	+ 5·3	− 1·52	8·95	77·98	76·03	..
Average	3·2	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 feeble negative wave of pressure from the 4th to the 9th was accompanied by negative waves of temperature and wind velocity; and a double wave of vapour tension (from negative to positive). A double wave of pressure from the 17th to the 23rd (from negative to positive) was not accompanied by any well-defined waves in the other elements. Two successive positive waves of pressure from the 24th to the 31st were accompanied by two successive negative waves of temperature, vapour tension, and wind velocity.

The principal rainfall occurred from the 7th to the 13th with nearly normal pressure and increasing wind velocity; and from the 28th to the 31st with pressure above, and wind velocity below, normal.

MONTHLY RESULTS of the METEOROLOGICAL ELEMENTS for the YEAR 1904.

Month, 1904.	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.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount collected in the Glaisher Rain Gauge.	Excess of Beckley over Glaisher.
	ins.	°	°	°	°	°	°	°	°	°		in.	ins.	mins.	ins.	in.
January -	29·813	89·3	67·6	21·7	85·4	71·7	13·7	77·6	72·4	68·8	74·6	·705	3·49	1364	3·36	+·13
February -	29·716	89·9	70·4	19·5	85·7	73·2	12·5	78·7	74·3	71·3	78·4	·769	5·06	1720	4·92	+·14
March - -	29·717	87·3	67·8	19·5	83·3	71·9	11·4	76·9	72·9	70·1	79·7	·739	12·99	3360	13·21	−·22
April - -	29·818	84·4	62·3	22·1	80·4	68·4	12·0	74·1	70·1	67·2	79·4	·669	4·07	1765	3·99	+·08
May - -	29·896	81·7	57·1	24·6	79·0	64·9	14·1	71·4	67·8	65·1	80·7	·622	3·58	930	3·59	−·01
June - -	30·027	76·6	54·5	22·1	75·3	60·9	14·4	67·7	63·3	59·8	76·1	·517	3·57	1345	3·56	+·01
July - -	30·006	76·2	51·3	24·9	74·1	59·4	14·7	66·5	62·3	59·0	76·7	·501	2·27	1075	2·09	+·18
August -	30·043	78·5	55·1	23·4	75·5	59·8	15·7	67·1	62·7	59·2	75·8	·504	1·08	703	0·98	+·10
September -	30·036	78·8	50·9	27·9	76·4	60·0	16·4	67·7	61·8	57·0	69·2	·469	1·10	546	1·04	+·06
October -	29·913	87·1	54·6	32·5	80·4	64·0	16·4	71·6	65·8	61·4	70·5	·548	1·01	465	0·93	+·08
November -	29·943	87·0	61·9	25·1	83·5	67·0	16·5	74·8	67·8	62·7	66·2	·573	1·39	299	1·38	+·01
December -	29·829	88·2	65·4	22·8	85·5	70·8	14·7	77·5	71·5	67·2	71·1	·669	4·27	955	4·06	+·21
														hours.		
Year - -	29·896	..	..	39·9	80·4	66·0	14·4	72·6	67·7	64·1	74·9	·607	43·88	242·1	43·11	+·77
	ins.	°			°		°		°	°		in.	ins.			
Maximum -	30·162 Aug. 3	89·9 Feb. 22	..	..	85·7 Feb.	..	23·9 Nov. 28	..	79·8 Feb. 26	76·7 Mar. 23	96·9 May 6 & 12	·918 Mar. 23	4·930 for 24 hours ending 1h on Mar. 21.			
	ins.		°			°	°		°	°		in.				
Minimum -	29·300 Mar. 21	..	50·9 Sep. 21	..	..	59·4 July	4·6 Apr. 22	..	49·6 Sep. 21	47·1 Sep. 10	39·2 Nov. 18	·329 Sep. 10	..			
Column -	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Month, 1904.	Mean Daily Amount of Evaporation.	Mean Daily Amount of Ozone (0—10).	Mean Amount of Cloud. Upper.	Lower.	Total.	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.
	in.					hrs.		°	m.p.h.	m.p.h.						°	°
January -	·252	1·6	0·9	5·9	6·8	9·24	70·2	87·8	9·50	10·44	0	13	24	5	1	78·48	76·09
February -	·214	1·3	1·0	6·5	7·5	7·61	59·8	78·2	6·65	9·49	0	17	20	9	2	79·38	76·56
March - -	·174	1·7	0·6	6·5	7·1	6·88	56·6	90·5	7·26	11·12	1	19	22	5	5	80·24	77·10
April - -	·162	2·5	0·5	5·9	6·4	7·08	61·1	66·1	7·92	8·79	2	12	21	4	3	79·74	77·47
May - -	·154	2·0	0·1	4·4	4·5	8·75	78·6	65·5	6·68	8·02	7	3	17	2	1	78·58	77·57
June - -	·140	2·9	0·1	5·0	5·1	8·08	74·1	52·1	8·70	9·41	7	7	17	1	0	77·08	77·34
July - -	·146	3·1	0·2	5·0	5·2	7·85	71·3	66·0	8·77	9·85	4	9	18	0	0	75·25	76·99
August - -	·158	3·5	0·3	5·3	5·6	8·43	73·9	77·2	9·49	9·83	4	8	15	0	0	74·31	76·43
September -	·184	3·2	0·4	5·7	6·1	7·81	65·4	63·4	8·95	10·10	0	9	15	0	0	74·20	76·00
October -	·222	2·7	1·4	5·3	6·7	8·06	64·4	96·4	6·82	9·43	0	14	13	2	0	74·48	75·74
November -	·282	2·6	0·3	5·5	5·8	8·68	66·7	77·8	8·97	10·05	2	8	10	2	0	76·12	75·69
December -	·250	3·0	0·7	5·6	6·3	8·67	65·2	96·2	7·01	8·95	0	11	16	2	0	77·98	76·03
Year - -	·195	2·5	0·5	5·6	6·1	8·10	67·1	77·5	7·79	9·62	27	130	208	32	12	77·15	76·58
	in.					12·1					7					°	°
Maximum -	·350 Nov. 13	7·0 Oct. 6	..	..	..	Jan. 25 Nov. 28	97 June 12	44·2 m.p.h. for 1 hour on Mar. 21.			May June	19 Mar.	24 Jan.	9 Feb.	5 Mar.	81·0 Mar. 22	77·77 May 1, 9, & 10
	in.															°	°
Minimum -	·060 Mar. 20 & 21	0·0	..	..	..	0	0	..	0	0	0	3 May	10 Nov.	0	0	74·0 Sep. 1	75·57 Nov. 7 & 8
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.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount collected in the Glaisher Rain Gauge.	Excess of Beckley over Glaisher.
	ins.	°	°	°	°	°	°	°	°	°		in.	ins.	mins.	ins.	in.
January - -	29·750	93·1	64·7	22·0	86·2	72·8	13·4	78·9	73·8	70·2	75·1	·737	7·64	2170	7·61	+·03
February -	29·731	91·0	63·8	20·0	85·6	73·0	12·6	78·5	74·1	70·9	77·7	·757	7·94	2099	7·83	+·11
March - -	29·766	88·8	63·3	19·6	84·1	72·1	12·0	77·3	73·3	70·6	80·2	·747	9·57	2856	9·56	+·01
April - -	29·822	86·9	62·2	20·9	82·1	70·0	12·1	75·3	71·4	68·8	80·9	·704	4·87	1738	4·79	+·08
May - -	29·890	84·5	55·4	23·2	79·0	66·3	12·7	72·1	68·1	65·3	79·3	·625	3·07	1299	3·00	+·07
June - -	29·965	82·9	50·6	23·1	76·1	62·6	13·5	68·7	64·4	61·1	76·4	·538	2·05	1260	2·00	+·05
July - -	30·004	80·3	51·3	22·2	75·2	61·5	13·7	67·5	63·1	59·4	75·7	·507	2·28	1506	2·27	+·01
August - -	30·010	80·3	50·9	22·9	75·7	61·9	13·8	68·0	63·2	59·4	74·5	·508	2·72	1707	2·64	+·08
September -	29·993	82·9	50·9	24·2	77·5	62·4	15·1	69·6	64·3	60·2	71·9	·522	1·30	952	1·26	+·04
October - -	29·942	87·8	54·6	26·0	81·0	64·6	16·4	72·1	66·2	61·8	70·1	·552	1·23	823	1·19	+·04
November -	29·877	90·0	57·9	26·8	84·1	67·2	16·9	75·2	68·8	64·3	68·4	·603	1·76	814	1·73	+·03
December -	29·811	94·7	62·1	24·0	85·8	71·2	14·6	78·0	72·1	67·6	70·9	·676	4·66	1423	4·59	+·07
Year - -	29·880	..	..	37·5	81·1	67·2	13·9	73·4	68·6	65·0	75·1	·623	49·09	hours. 310·7	48·47	+·62
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	° 82·3 Jan. 31 1903	° 79·1 Jan. 14 1897	98·5 Jan. 12 1901	in. ·994 Jan. 14 1897	ins. 19·318 during 24 hours ending Feb. 20d 13h 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	..			
Column - -	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Month, 1904.	Mean Daily Amount of Evaporation.	Mean Daily Amount of Ozone (0—10).	Mean Amount of Cloud. Upper (0—10).	Lower (0—10).	Total (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.
	in.					hrs.		°	m.p.h.	m.p.h.						°	°
January - -	·247	3·3	1·3	5·1	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 -	·215	3·1	1·2	5·1	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 - -	·185	3·6	1·2	5·2	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 - -	·166	4·1	1·1	4·6	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 - -	·144	4·4	0·8	4·3	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 - -	·125	4·8	0·4	4·5	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 - -	·135	5·1	0·3	4·8	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 - -	·159	5·2	0·3	5·2	5·5	7·49	65·7	67·7	11·18	12·34	3·4	7·6	19·0	0·1	0·0	75·28	77·25
September -	·192	4·8	0·4	5·2	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 - -	·229	4·1	0·7	5·0	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 -	·271	3·3	0·7	4·8	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 -	·257	3·2	1·0	5·1	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 - -	·194	4·1	0·8	4·9	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 -	..	9·7 June 2 1896	..	..	..	12·5 Dec. 9 1889	97 June 19 1899 June 12 1904	103·3 m.p.h. for 1 hr. 121·2 m.p.h. for 5 mins.		On Apr. 29 1892	13 Aug. 1902	22 Mar. 1882	28 Mar. 1885	19 Jan. 1898	9 Jan. 1863	° 82·7 Feb. 13 1892	° 79·99 May 13 1898
Minimum - -	..	0	..	..	..	0	0	..			0	1 1879 April & June 1882 May 1888 July	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

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

Maxima.			Minima.			Maxima.			Minima.		
Mauritius Civil Time, 1904.		Reading.	Mauritius Civil Time, 1904.		Reading.	Mauritius Civil Time, 1904.		Reading.	Mauritius Civil Time, 1904.		Reading.
	d h	ins.		d h	ins.		d h	ins.		d h	ins.
January	4.13	29·922	January	3. 4	29·783	July	2.19	30·110	July	11. 5	29·970
	11. 7	29·940		7. 9	29·794		13.17	30·062		21.11	29·924
	15. 4	29·840		14. 9	29·803		26. 8	30·052		28. 7	29·891
	22.14	29·815		18.22	29·730		30.23	30·114			
	26.10	29·848		24.13	29·750				August	1. 6	30·048
				31.16	29·694	August	3. 7	30·133		6.13	29·928
February	2.13	29·808					8.20	30·043		9.15	29·985
	7. 7	29·869	February	4.11	29·725		13. 1	30·135		14.18	30·008
	11.15	29·766		10. 0	29·709		16.19	30·083		18.13	29·987
	22. 9	29·783		18.18	29·549		24.23	30·124		28. 9	29·974
				27. 3	29·626						
March	1.23	29·812				September	1.17	30·113	September	9. 4	29·956
	5. 7	29·747	March	3.17	29·692		14. 9	30·079		18. 7	29·971
	9. 5	29·815		6.11	29·671		23.17	30·107			
	15.11	29·795		11.20	29·638				October	2.10	29·914
	18.18	29·735		17.16	29·696	October	3.14	29·961		4.20	29·913
	25.19	29·792		21.22	29·313		6.17	30·095		10.23	29·923
	31.16	29·827		27. 4	29·674		13.17	30·013		14.12	29·971
							15.16	30·028		19.13	29·835
April	5.16	29·806	April	3. 9	29·703		20.17	29·893		28. 1	29·757
	18. 4	29·916		10.13	29·573						
	24.16	29·967		20. 8	29·862	November	3.20	30·008	November	6. 3	29·927
	27.11	29·969		26.13	29·925		7.22	29·972		12. 8	29·901
				30.16	29·758		14. 6	30·059		18.12	29·926
May	5. 4	29·931					20. 7	29·999		23.20	29·866
	16. 2	29·934	May	10.19	29·752		25.14	29·936		26.12	29·862
	23. 1	29·976		17.17	29·891		30.13	29·934			
				25.21	29·831				December	6. 4	29·777
June	1. 9	30·113				December	9. 4	29·846		12.20	29·773
	18. 3	30·088	June	14. 7	29·890		14.18	29·834		15.16	29·767
	22. 4	30·114		19.23	29·989		17.10	29·854		19.13	29·733
				27.19	29·906		22. 6	29·902		23.19	29·784
							29.16	29·897			

MONTHLY MEAN BAROMETRIC PRESSURE, at every HOUR of the DAY, as derived from the PHOTOGRAPHIC RECORDS.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Midnight	29·837	29·736	29·733	29·834	29·903	30·042	30·021	30·064	30·058	29·930	29·961	29·847	29·914
1h	29·816	29·721	29·721	29·824	29·901	30·039	30·015	30·054	30·043	29·917	29·946	29·831	29·902
2	29·803	29·707	29·707	29·814	29·890	30·026	30·005	30·044	30·034	29·906	29·936	29·822	29·891
3	29·796	29·696	29·698	29·805	29·880	30·017	29·995	30·033	30·022	29·897	29·930	29·815	29·882
4	29·796	29·697	29·694	29·801	29·876	30·012	29·991	30·028	30·020	29·898	29·931	29·815	29·880
5	29·804	29·701	29·702	29·804	29·876	30·014	29·991	30·029	30·027	29·906	29·937	29·823	29·884
6	29·819	29·712	29·711	29·815	29·887	30·022	29·998	30·039	30·039	29·918	29·950	29·837	29·896
7	29·831	29·727	29·723	29·827	29·905	30·036	30·013	30·053	30·055	29·930	29·961	29·848	29·909
8	29·836	29·736	29·736	29·841	29·917	30·050	30·027	30·065	30·066	29·939	29·966	29·851	29·919
9	29·836	29·741	29·745	29·849	29·931	30·061	30·041	30·076	30·071	29·943	29·966	29·853	29·926
10	29·831	29·738	29·742	29·848	29·927	30·058	30·038	30·075	30·066	29·937	29·960	29·850	29·922
11	29·822	29·731	29·736	29·836	29·910	30·046	30·025	30·058	30·051	29·923	29·949	29·841	29·911
Noon	29·813	29·720	29·718	29·814	29·890	30·025	30·007	30·039	30·030	29·908	29·935	29·828	29·894
13h	29·804	29·706	29·702	29·800	29·873	30·004	29·985	30·019	30·011	29·889	29·919	29·814	29·877
14	29·790	29·693	29·688	29·784	29·859	29·993	29·972	30·003	29·996	29·877	29·907	29·803	29·864
15	29·778	29·685	29·680	29·779	29·857	29·990	29·967	29·998	29·988	29·869	29·899	29·793	29·857
16	29·774	29·681	29·681	29·783	29·860	29·993	29·970	30·002	29·993	29·873	29·899	29·789	29·858
17	29·781	29·686	29·688	29·794	29·873	30·003	29·980	30·014	30·004	29·883	29·910	29·796	29·868
18	29·795	29·699	29·702	29·804	29·884	30·014	29·989	30·026	30·018	29·898	29·928	29·810	29·881
19	29·814	29·715	29·720	29·820	29·900	30·027	30·003	30·043	30·036	29·917	29·948	29·829	29·898
20	29·826	29·730	29·733	29·834	29·916	30·039	30·017	30·059	30·054	29·931	29·964	29·841	29·912
21	29·836	29·742	29·747	29·843	29·925	30·047	30·026	30·068	30·065	29·942	29·974	29·853	29·922
22	29·845	29·748	29·748	29·844	29·926	30·049	30·028	30·070	30·066	29·944	29·980	29·861	29·926
23	29·842	29·746	29·743	29·840	29·926	30·047	30·026	30·068	30·062	29·939	29·973	29·857	29·922
24	29·827	29·736	29·736	29·834	29·918	30·039	30·023	30·064	30·054	29·929	29·961	29·846	29·914
Number of Days employed.	31	29	31	30	31	30	30	31	30	31	30	31	..

MONTHLY MEAN DIURNAL INEQUALITY of the BAROMETRIC PRESSURE, as derived from the PHOTOGRAPHIC RECORDS, for the Period 1875–1900.

Hour. Mauritius Civil Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight	+·016	+·019	+·017	+·017	+·014	+·014	+·015	+·018	+·020	+·018	+·017	+·015	+·017
1h	+·003	+·005	+·006	+·006	+·006	+·008	+·011	+·010	+·010	+·007	+·005	+·002	+·007
2	−·011	−·010	−·009	−·007	−·006	−·005	−·002	−·002	−·002	−·007	−·008	−·011	−·007
3	−·018	−·017	−·019	−·016	−·015	−·013	−·009	−·010	−·011	−·013	−·013	−·016	−·014
4	−·019	−·020	−·024	−·022	−·020	−·018	−·015	−·017	−·015	−·014	−·012	−·017	−·018
5	−·010	−·015	−·019	−·018	−·018	−·017	−·014	−·015	−·009	−·006	−·006	−·008	−·013
6	+·005	−·005	−·008	−·008	−·007	−·009	−·007	−·004	+·002	+·006	+·008	+·006	−·002
7	+·016	+·009	+·005	+·007	+·008	+·005	+·006	+·009	+·016	+·019	+·019	+·018	+·011
8	+·020	+·019	+·021	+·022	+·025	+·023	+·021	+·023	+·028	+·026	+·022	+·020	+·022
9	+·022	+·025	+·029	+·032	+·036	+·035	+·035	+·035	+·033	+·029	+·024	+·022	+·030
10	+·018	+·022	+·027	+·030	+·033	+·031	+·033	+·034	+·028	+·022	+·016	+·017	+·026
11	+·011	+·015	+·020	+·019	+·019	+·020	+·021	+·021	+·015	+·010	+·007	+·010	+·016
Noon	−·001	+·002	+·003	−·002	−·002	·000	·000	−·001	−·007	−·007	−·007	−·003	−·002
13h	−·011	−·012	−·014	−·019	−·022	−·022	−·020	−·019	−·025	−·024	−·022	−·014	−·019
14	−·025	−·026	−·029	−·034	−·035	−·034	−·035	−·036	−·041	−·039	−·036	−·027	−·033
15	−·035	−·034	−·036	−·038	−·038	−·036	−·038	−·041	−·047	−·045	−·042	−·037	−·039
16	−·039	−·037	−·036	−·035	−·034	−·033	−·035	−·038	−·044	−·044	−·043	−·039	−·038
17	−·032	−·031	−·028	−·025	−·023	−·023	−·025	−·029	−·034	−·034	−·032	−·031	−·029
18	−·017	−·018	−·015	−·013	−·012	−·012	−·016	−·018	−·019	−·016	−·016	−·016	−·016
19	+·002	·000	+·002	+·002	+·003	+·002	−·002	−·002	−·001	+·003	+·004	+·003	+·001
20	+·015	+·015	+·017	+·019	+·017	+·015	+·011	+·013	+·017	+·019	+·019	+·016	+·016
21	+·026	+·028	+·031	+·029	+·025	+·023	+·020	+·023	+·029	+·030	+·029	+·026	+·027
22	+·033	+·033	+·033	+·029	+·025	+·025	+·022	+·024	+·030	+·032	+·035	+·033	+·029
23	+·030	+·030	+·028	+·025	+·023	+·022	+·021	+·023	+·027	+·028	+·030	+·030	+·026

MONTHLY MEAN TEMPERATURE of the AIR, at every HOUR of the DAY, as derived from the PHOTOGRAPHIC RECORDS.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight	73·8	75·3	74·0	71·2	67·5	64·0	62·8	63·1	63·7	66·9	70·2	73·2	68·8
1h	73·4	74·9	73·7	71·0	67·4	63·9	62·4	62·8	63·2	66·6	69·8	72·8	68·5
2	73·0	74·6	73·4	70·8	67·0	63·8	62·2	62·7	62·8	66·2	69·4	72·5	68·2
3	72·8	74·4	73·2	70·5	66·6	63·5	62·0	62·6	62·5	65·7	68·9	72·2	67·9
4	72·4	74·2	73·1	70·3	66·3	63·4	61·9	62·3	62·3	65·4	68·3	71·8	67·6
5	72·3	74·0	72·9	70·0	66·2	63·3	61·8	61·8	62·1	65·4	68·2	71·5	67·5
6	72·5	74·1	72·9	70·0	66·3	63·1	62·2	61·6	62·0	65·9	70·2	72·8	67·8
7	75·7	76·5	74·8	71·4	67·8	63·9	62·9	63·0	65·3	70·5	74·2	76·7	70·2
8	78·3	79·5	77·6	74·4	72·2	67·5	66·6	68·2	69·4	73·5	76·9	79·3	73·6
9	80·2	81·3	79·4	76·7	75·0	70·7	69·7	71·0	71·9	75·7	78·8	81·1	76·0
10	81·9	82·6	80·7	77·9	76·5	72·4	71·6	72·5	73·3	77·3	80·4	82·4	77·5
11	83·0	83·4	81·4	78·5	77·4	73·5	72·4	73·3	74·1	78·4	81·3	83·3	78·3
Noon	83·5	83·8	81·8	79·1	77·8	74·1	72·7	74·0	74·3	79·0	81·6	83·6	78·8
13h	83·5	84·1	81·8	79·2	77·8	74·1	72·7	74·1	74·4	79·0	81·6	83·5	78·8
14	83·6	83·9	81·5	79·0	77·6	73·8	72·6	73·8	74·1	78·5	81·1	83·2	78·6
15	82·9	83·4	81·1	78·5	77·0	73·2	72·2	73·1	73·4	77·5	80·4	82·6	77·9
16	81·9	82·7	80·3	77·6	75·9	72·3	71·2	71·9	72·3	76·1	79·3	81·6	76·9
17	80·7	81·3	79·1	76·3	74·1	70·4	69·4	70·1	70·5	74·4	77·7	80·1	75·3
18	79·0	79·6	77·5	74·6	71·9	68·0	67·1	67·9	68·5	72·4	75·7	78·6	73·4
19	77·2	78·0	76·1	73·2	70·3	66·4	65·5	65·9	66·6	70·6	74·0	77·1	71·7
20	76·0	77·0	75·4	72·4	69·5	65·6	64·5	64·8	65·3	69·3	73·0	75·9	70·7
21	75·2	76·4	74·9	72·1	69·0	65·3	63·8	64·2	64·4	68·4	72·1	75·0	70·1
22	74·8	76·1	74·5	71·7	68·5	64·7	63·4	63·5	63·9	67·7	71·5	74·4	69·6
23	74·5	75·9	74·2	71·4	67·8	64·3	63·2	63·2	63·6	67·2	70·8	73·8	69·2
24	74·0	75·3	73·8	71·0	67·5	63·8	63·0	63·1	63·7	67·0	70·2	73·3	68·8
Number of Days employed.	31	28	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN TEMPERATURE of EVAPORATION, at every HOUR of the DAY, as derived from the PHOTOGRAPHIC RECORDS.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight	71·4	73·1	71·7	68·9	65·8	61·6	60·5	61·0	60·3	64·3	66·5	70·3	66·3
1h	71·2	72·7	71·5	68·9	65·7	61·6	60·2	60·8	60·1	64·2	66·3	70·1	66·1
2	71·0	72·5	71·3	68·7	65·4	61·5	60·0	60·7	60·0	64·1	66·0	69·9	65·9
3	70·8	72·4	71·2	68·6	65·0	61·3	59·9	60·6	59·8	63·7	65·7	69·7	65·7
4	70·6	72·2	70·9	68·3	64·7	61·1	59·8	60·3	59·7	63·4	65·3	69·4	65·5
5	70·5	72·1	70·8	68·1	64·6	61·0	59·7	60·1	59·4	63·4	65·1	69·2	65·3
6	70·6	72·2	70·7	68·0	64·8	60·7	60·0	59·8	59·4	63·8	66·6	70·1	65·6
7	72·5	73·6	72·0	69·1	66·0	61·3	60·4	61·0	61·7	66·5	68·4	72·0	67·0
8	73·2	74·9	73·5	70·8	69·1	63·7	63·2	64·1	63·2	67·1	68·7	72·5	68·7
9	73·5	75·5	74·2	71·5	70·4	65·3	64·4	65·0	63·3	67·3	68·9	72·6	69·3
10	73·7	75·8	74·6	71·7	70·6	65·7	64·8	65·1	63·5	67·5	69·0	72·8	69·6
11	73·9	76·1	74·9	71·9	70·8	65·7	64·9	65·1	63·8	67·8	69·4	72·9	69·8
Noon	73·9	76·1	75·1	72·1	71·1	65·8	65·1	65·1	63·8	68·0	69·5	72·9	69·9
13h	73·9	76·1	75·0	72·1	71·0	65·9	65·1	65·1	63·9	68·0	69·6	72·7	69·9
14	73·9	76·0	74·9	72·1	70·9	65·9	65·1	65·1	63·9	67·7	69·5	72·8	69·8
15	73·7	75·9	74·8	71·9	70·5	65·7	64·9	65·0	63·6	67·4	69·5	72·7	69·6
16	73·4	75·6	74·4	71·5	70·1	65·5	64·6	64·6	63·3	67·1	69·2	72·7	69·3
17	73·1	75·2	73·8	71·1	69·5	64·8	64·0	64·1	62·9	66·7	68·9	72·4	68·9
18	72·8	74·6	73·2	70·5	68·6	63·9	63·1	63·5	62·5	66·1	68·4	72·1	68·3
19	72·5	74·2	72·8	69·9	67·7	63·1	62·2	62·7	61·8	65·7	68·1	71·8	67·7
20	72·1	73·9	72·4	69·6	67·1	62·6	61·6	62·1	61·1	65·4	67·8	71·5	67·3
21	72·0	73·6	72·2	69·4	66·7	62·5	61·1	61·8	60·7	65·0	67·3	71·1	67·0
22	71·8	73·5	71·9	69·4	66·3	62·2	60·9	61·4	60·4	64·6	67·0	70·9	66·7
23	71·8	73·4	71·7	69·1	65·8	61·8	60·8	61·2	60·2	64·4	66·7	70·7	66·5
24	71·5	73·1	71·5	68·8	65·6	61·5	60·6	61·0	60·3	64·4	66·5	70·4	66·3
Number of Days employed.	31	28	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN TEMPERATURE of the DEW POINT, at every HOUR of the DAY, as deduced by GLAISHER'S TABLES from the corresponding AIR and EVAPORATION TEMPERATURES.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight	69·7	71·5	69·9	67·1	64·3	59·5	58·5	59·2	57·5	62·2	63·6	68·1	64·3
1h	69·6	71·0	69·9	67·2	64·2	59·7	58·3	59·1	57·6	62·2	63·5	68·1	64·2
2	69·5	70·9	69·7	67·2	64·0	59·5	58·2	59·1	57·6	62·3	63·4	67·9	64·1
3	69·4	70·9	69·6	67·0	63·7	59·4	58·0	59·0	57·4	62·1	63·2	67·8	64·0
4	69·2	70·8	69·3	66·8	63·4	59·2	57·9	58·7	57·5	61·8	62·9	67·7	63·8
5	69·1	70·8	69·1	66·6	63·4	59·1	57·9	58·5	57·2	61·7	62·7	67·5	63·6
6	69·3	70·8	69·1	66·5	63·6	58·7	58·1	58·3	57·1	62·1	63·8	68·0	63·8
7	70·2	71·5	69·9	67·3	64·5	59·1	58·4	59·3	58·7	63·4	64·1	68·6	64·6
8	69·6	71·8	70·7	68·2	66·8	60·7	60·4	60·9	58·3	62·2	62·8	67·7	65·0
9	68·8	71·4	70·5	67·8	67·0	61·1	60·3	60·4	56·8	61·2	62·0	66·8	64·5
10	68·2	71·3	70·4	67·2	66·5	60·6	59·7	59·5	56·2	60·6	61·2	66·4	64·0
11	67·8	71·2	70·5	67·2	66·1	60·0	59·2	59·0	56·2	60·5	61·3	65·9	63·7
Noon	67·6	71·0	70·6	67·3	66·4	59·6	59·3	58·5	56·1	60·4	61·3	65·7	63·6
13h	67·5	70·8	70·5	67·2	66·2	59·8	59·4	58·4	56·1	60·3	61·4	65·5	63·6
14	67·5	70·8	70·5	67·2	66·2	60·1	59·5	58·6	56·3	60·1	61·7	65·8	63·7
15	67·6	70·8	70·4	67·2	65·9	60·1	59·4	58·9	56·2	60·2	61·9	66·0	63·7
16	67·8	70·9	70·3	67·2	65·8	60·3	59·5	59·0	56·5	60·7	62·3	66·7	63·9
17	68·0	71·0	70·3	67·4	66·0	60·4	59·8	59·4	57·0	61·0	62·7	67·2	64·2
18	68·6	71·2	70·2	67·6	66·0	60·7	59·9	60·1	57·8	61·4	63·2	67·6	64·5
19	69·2	71·6	70·4	67·5	65·6	60·4	59·5	60·2	58·0	62·0	63·7	68·1	64·7
20	69·4	71·7	70·3	67·5	65·2	60·1	59·2	59·8	57·6	62·3	63·9	68·3	64·6
21	69·6	71·7	70·1	67·4	64·9	60·2	58·9	59·7	57·5	62·3	63·7	68·3	64·5
22	69·7	71·7	70·0	67·6	64·5	60·1	58·7	59·6	57·6	62·1	63·5	68·2	64·4
23	69·7	71·7	69·9	67·4	64·3	59·7	58·9	59·5	57·3	62·1	63·6	68·3	64·4
24	69·7	71·5	69·7	67·1	64·2	59·5	58·5	59·2	57·5	62·3	63·6	68·2	64·2
Number of Days employed.	31	28	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN DEGREE of HUMIDITY (Saturation = 100), at every HOUR of the DAY, as deduced by GLAISHER'S TABLES from the corresponding AIR and EVAPORATION TEMPERATURES.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midnight	86·9	88·0	87·3	87·1	89·6	85·5	85·9	87·3	80·5	84·8	79·8	84·1	85·6
1h	87·9	87·7	87·7	87·7	89·7	86·2	86·4	87·7	81·8	86·1	80·6	85·0	86·2
2	88·9	88·5	88·3	88·2	90·1	85·9	86·8	88·0	83·3	87·4	81·5	85·4	86·9
3	88·9	88·9	88·6	88·6	90·3	86·5	86·8	88·0	83·4	88·3	82·0	86·2	87·2
4	89·9	89·3	87·8	88·7	90·3	86·2	86·7	88·1	84·2	87·9	83·0	86·9	87·4
5	89·6	89·6	87·9	89·0	90·6	86·1	87·0	89·0	84·0	88·0	82·9	86·9	87·6
6	89·3	89·4	87·7	88·9	90·8	85·3	86·4	89·1	83·8	87·5	80·2	84·9	86·9
7	83·1	84·8	85·0	87·1	89·3	84·5	85·3	87·8	79·6	78·3	70·8	76·1	82·6
8	74·9	77·7	79·4	81·0	83·4	79·0	80·6	77·5	68·0	67·8	61·9	67·7	74·9
9	68·5	72·0	74·3	74·0	76·1	71·6	72·2	69·2	59·0	60·8	56·3	62·0	68·0
10	63·3	68·5	70·9	69·9	71·3	66·6	66·2	63·7	55·1	56·5	52·2	58·5	63·6
11	60·1	66·8	69·5	68·4	68·5	62·6	63·3	60·9	53·8	53·9	50·7	56·0	61·2
Noon	58·9	65·4	68·9	67·4	67·8	60·4	62·8	58·7	53·3	52·9	50·3	55·0	60·1
13h	58·4	64·3	68·6	66·9	67·5	61·0	63·2	58·2	53·2	52·7	50·6	55·0	60·0
14	58·6	64·7	69·2	67·2	67·9	62·4	63·6	59·2	53·8	53·4	51·8	55·8	60·6
15	60·1	66·0	70·2	68·3	68·9	63·6	64·4	61·3	55·1	55·3	53·5	57·5	62·0
16	62·3	67·8	71·7	70·4	71·3	66·0	66·8	64·0	57·7	59·0	56·0	60·8	64·5
17	65·3	71·0	74·5	73·9	75·9	70·7	71·5	69·1	62·6	63·1	60·0	64·9	68·5
18	70·4	75·6	78·5	78·9	82·0	77·9	77·8	76·0	68·9	68·4	65·4	69·1	74·1
19	76·6	80·9	82·6	82·5	85·0	81·1	81·0	81·9	74·0	74·6	70·4	74·0	78·7
20	80·1	83·8	84·3	84·7	86·3	82·5	83·0	83·8	76·4	78·3	73·3	77·5	81·2
21	82·9	85·3	85·2	85·4	86·6	83·7	84·2	85·5	78·5	81·0	74·9	79·8	82·7
22	84·3	86·4	86·0	86·7	87·4	84·9	84·8	87·3	79·9	82·5	76·2	81·2	84·0
23	85·4	86·7	86·8	87·2	88·6	85·2	85·5	87·6	79·8	83·6	78·1	83·0	84·8
24	86·7	88·1	87·1	87·4	89·0	85·8	85·6	87·4	80·4	84·9	79·9	84·2	85·5
Number of Days employed.	31	28	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN ELASTIC FORCE of VAPOUR, at every HOUR of the DAY, as deduced by GLAISHER'S TABLES from the corresponding TEMPERATURE of the DEW POINT.

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	in.	in	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight	·726	·772	·731	·664	·603	·509	·491	·503	·473	·560	·588	·687	·609
1h	·723	·759	·731	·666	·601	·512	·487	·501	·475	·560	·586	·687	·607
2	·721	·756	·726	·666	·596	·509	·485	·501	·475	·562	·584	·682	·605
3	·718	·756	·723	·661	·590	·507	·482	·500	·472	·558	·580	·680	·602
4	·713	·754	·716	·657	·584	·503	·480	·494	·473	·552	·574	·678	·598
5	·711	·754	·711	·652	·584	·501	·480	·491	·469	·550	·570	·673	·595
6	·716	·754	·711	·650	·588	·494	·483	·487	·467	·558	·592	·684	·599
7	·738	·772	·731	·668	·609	·501	·489	·505	·494	·584	·598	·699	·616
8	·723	·779	·751	·689	·657	·531	·526	·535	·487	·560	·572	·678	·624
9	·704	·769	·746	·680	·661	·539	·524	·526	·462	·541	·556	·657	·614
10	·689	·766	·744	·666	·650	·529	·512	·509	·453	·529	·541	·648	·603
11	·680	·764	·746	·666	·641	·518	·503	·500	·453	·528	·543	·637	·598
Noon	·675	·759	·749	·668	·648	·511	·505	·491	·451	·526	·543	·633	·597
13h	·673	·754	·746	·666	·644	·514	·507	·489	·451	·524	·545	·628	·595
14	·673	·754	·746	·666	·644	·520	·509	·492	·454	·520	·550	·635	·597
15	·675	·754	·744	·666	·637	·520	·507	·498	·453	·522	·554	·639	·597
16	680	·756	·741	·666	·635	·524	·509	·500	·457	·531	·562	·655	·601
17	·684	·759	·741	·671	·639	·526	·514	·507	·465	·537	·570	·666	·607
18	·699	·764	·738	·675	·639	·531	·516	·520	·479	·545	·580	·675	·613
19	·713	·774	·744	·673	·630	·526	·509	·522	·482	·556	·590	·687	·617
20	·718	·777	·741	·673	·622	·520	·503	·514	·475	·562	·594	·692	·616
21	·723	·777	·736	·671	·615	·522	·498	·512	·473	·562	·590	·692	·614
22	·726	·777	·733	·675	·607	·520	·494	·511	·475	·558	·586	·689	·613
23	·726	·777	·731	·671	·603	·512	·498	·509	·470	·558	·588	·692	·611
24	·726	·772	·726	·664	·601	·509	·491	·503	·473	·562	·588	·689	·609
Number of Days employed.	31	28	31	30	31	30	31	31	30	31	30	31	..

TOTAL AMOUNT of SUNSHINE registered in each HOUR of the DAY in each MONTH, as derived from the RECORDS of an IMPROVED CAMPBELL-STOKES SELF-REGISTERING INSTRUMENT, in the YEAR 1904.

Month, 1904.	Registered Duration of Sunshine in the Hour ending 6h.	7h.	8h.	9h.	10h.	11h.	Noon.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	Total Registered Duration of Sunshine in each Month.	Corresponding Period during which the Sun was above the Horizon.
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January -	0·2	14·6	24·4	27·1	28·0	28·9	27·8	25·9	26·4	24·6	21·1	21·0	15·2	1·1	286·3	407·6
February -	..	12·3	21·9	22·2	21·3	23·3	21·8	20·6	19·4	18·2	18·9	13·0	7·6	0·1	220·6	369·0
March -	..	8·7	20·1	21·6	22·5	19·0	20·3	19·9	19·2	21·9	16·7	15·1	8·4	..	213·4	377·3
April -	..	4·5	17·7	18·8	21·0	20·0	21·1	19·8	21·4	20·9	19·9	18·4	8·9	..	212·4	347·9
May - -	..	2·1	22·8	28·2	27·4	27·8	27·5	27·7	26·9	27·9	24·0	22·6	6·5	..	271·4	345·1
June -	..	0·3	17·8	23·9	24·2	24·5	26·7	26·0	24·3	23·1	23·3	23·3	5·0	..	242·4	327·2
July - -	..	0·7	18·2	23·5	26·3	25·6	25·5	24·0	24·0	24·4	23·4	21·9	5·8	..	243·3	341·2
August -	..	3·8	24·0	26·0	25·6	25·6	25·1	25·3	26·5	24·2	24·1	22·0	9·0	..	261·2	353·3
September -	..	8·1	22·3	24·0	23·5	24·7	21·2	21·3	22·2	21·5	19·2	16·8	9·6	..	234·4	358·2
October -	..	12·4	22·2	21·2	22·7	23·7	23·1	24·8	23·8	22·3	20·1	19·8	13·7	..	249·8	387·8
November -	0·4	14·7	19·1	23·2	24·5	26·6	25·1	24·2	23·6	22·1	20·4	20·4	15·7	0·3	260·3	390·3
December -	0·3	17·1	24·2	27·1	25·6	26·2	25·4	23·1	22·6	20·9	20·6	18·6	15·7	1·4	268·8	412·3

The hours are reckoned from apparent midnight.

The total registered duration of sunshine during the year was 2964·3 hours; the corresponding period during which the sun was above the horizon was 4417·2 hours.

TOTAL AMOUNT of RAIN collected in each HOUR of the DAY in each MONTH, as derived from the RECORDS of the BECKLEY PLUVIOGRAPH.

For the Hour ending.	1904.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	in.	in.	ins.	in.	ins.	in.	in.	in.	in.	in.	in.	ins.	ins.
1h	0·375	0·142	0·505	0·090	0·120	0·218	0·070	0·055	0·035	0·220	0·005	0·185	2·020
2	0·180	0·060	9·330	0·310	0·050	0·992	0·050	0·135	0·280	0·085	0·035	0·000	2·507
3	0·212	0·035	0·250	0·135	0·005	0·445	0·010	0·085	0·155	0·295	0·075	0·040	1·742
4	0·243	0·393	1·995	0·485	0·050	0·380	0·010	0·147	0·110	0·000	0·015	0·030	3·858
5	0·202	0·265	0·730	0·250	0·125	0·265	0·015	0·030	0·055	0·005	0·010	0·095	2·047
6	0·040	0·165	0·780	0·595	0·230	0·165	0·050	0·070	0·045	0·010	0·030	0·010	2·190
7	0·118	0·020	0·212	0·157	0·005	0·160	0·070	0·108	0·045	0·000	0·960	0·070	1·925
8	0·145	0·050	0·533	0·395	0·110	0·070	0·040	0·035	0·000	0·000	0·215	0·020	1·613
9	0·180	0·020	0·110	0·033	0·135	0·030	0·465	0·020	0·055	0·010	0·005	0·085	1·148
10	0·045	0·215	0·740	0·365	0·115	0·000	0·050	0·020	0·000	0·000	0·005	0·000	1·555
11	0·030	0·115	0·685	0·325	0·000	0·000	0·015	0·010	0·000	0·000	0·010	0·000	1·190
12	0·195	0·360	0·350	0·045	0·010	0·045	0·075	0·000	0·025	0·000	0·000	0·000	1·105
13	0·015	0·405	0·750	0·015	0·015	0·050	0·160	0·000	0·090	0·000	0·000	0·010	1·510
14	0·015	0·155	1·000	0·095	0·000	0·045	0·050	0·000	0·070	0·010	0·000	0·300	1·740
15	0·015	0·510	0·175	0·100	0·000	0·130	0·000	0·100	0·030	0·010	0·000	0·030	1·100
16	0·340	0·240	0·225	0·005	0·205	0·005	0·015	0·000	0·050	0·175	0·010	0·095	1·365
17	0·195	0·360	0·410	0·035	0·010	0·020	0·105	0·010	0·000	0·000	0·000	0·325	1·470
18	0·010	0·190	0·850	0·010	0·245	0·050	0·170	0·040	0·010	0·035	0·000	1·165	2·775
19	0·445	0·250	0·300	0·057	0·035	0·135	0·065	0·115	0·000	0·065	0·000	0·140	1·607
20	0·030	0·205	0·235	0·290	0·065	0·030	0·110	0·010	0·000	0·005	0·000	0·680	1·660
21	0·145	0·155	0·120	0·040	0·030	0·045	0·255	0·020	0·015	0·025	0·000	0·240	1·090
22	0·120	0·150	0·450	0·080	0·065	0·165	0·065	0·015	0·010	0·000	0·000	0·525	1·645
23	0·110	0·485	0·300	0·108	1·305	0·005	0·040	0·045	0·000	0·010	0·010	0·100	2·518
24	0·085	0·115	0·955	0·055	0·650	0·120	0·310	0·010	0·020	0·055	0·000	0·130	2·505

DURATION of RAINFALL at every HOUR of the DAY in each MONTH, as derived from the RECORDS of the BECKLEY PLUVIOGRAPH.

For the Hour ending.	1904.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.	mins.
1h	137	80	110	67	75	100	80	37	22	80	15	65	868
2	135	65	112	68	85	97	35	87	80	60	30	..	854
3	165	15	160	125	25	55	15	85	98	63	40	15	861
4	92	70	150	155	25	80	13	85	80	..	15	30	795
5	73	70	110	95	42	123	10	40	35	5	15	45	663
6	40	60	120	135	30	137	55	40	30	5	30	15	697
7	71	30	118	142	5	105	65	80	20	..	85	45	766
8	50	30	150	115	43	80	32	25	..	..	40	20	585
9	63	10	90	38	20	25	78	8	15	10	10	45	412
10	30	75	90	145	25	..	35	5	..	..	5	..	410
11	10	37	155	57	..	..	20	15	..	..	4	..	298
12	40	53	125	45	10	40	30	..	12	..	..	..	355
13	10	85	240	10	15	40	70	..	40	..	..	5	515
14	15	80	165	45	..	30	60	..	45	5	..	95	540
15	5	87	75	77	..	93	..	55	10	10	..	45	457
16	55	40	150	10	30	15	10	..	25	45	5	25	410
17	60	60	220	18	8	23	37	10	..	..	..	90	526
18	15	90	190	3	95	35	58	30	15	20	..	95	646
19	73	123	150	72	35	60	17	40	..	60	..	55	685
20	25	135	130	40	30	27	78	5	..	20	..	50	540
21	55	108	135	50	25	40	105	10	4	12	..	55	599
22	30	90	110	83	72	80	32	10	5	..	..	80	592
23	50	145	160	110	95	5	35	31	..	25	5	50	711
24	65	82	145	60	140	55	105	5	10	45	..	30	742

MONTHLY MEAN NORTH and EAST COMPONENTS of the WIND, at every HOUR of the DAY, as derived from the HOURLY MEASURES of the ANEMOGRAMS. (Miles per Hour.)

Hour. Mauritius Civil Time.	1904.											
	January.		February.		March.		April.		May.		June.	
	North.	East.	North.	East.	North.	East.	North.	East.	North.	East.	North.	East.
Midnight	−1·7	+ 7·1	−0·8	+5·8	+0·3	+6·5	−2·8	+ 5·6	−3·2	+4·7	−4·9	+ 5·0
1h	−1·7	+ 6·2	−0·2	+5·3	+0·1	+5·8	−2·7	+ 5·5	−3·0	+5·1	−5·2	+ 4·8
2	−1·9	+ 6·5	−0·3	+5·5	0·0	+5·7	−3·0	+ 6·0	−2·8	+4·7	−5·2	+ 4·5
3	−1·9	+ 6·5	−0·5	+5·1	−0·7	+5·5	−3·1	+ 5·3	−3·1	+4·9	−4·9	+ 4·4
4	−1·7	+ 6·1	−0·3	+5·0	−0·2	+6·2	−2·8	+ 5·3	−3·0	+4·7	−4·6	+ 4·7
5	−1·8	+ 5·8	−0·4	+4·7	0·0	+5·6	−3·4	+ 5·0	−3·0	+4·7	−4·9	+ 4·6
6	−1·6	+ 6·3	0·0	+5·1	−0·5	+6·1	−2·7	+ 5·4	−3·3	+4·7	−4·8	+ 5·1
7	−1·4	+ 7·4	−0·2	+5·7	−0·5	+6·3	−2·6	+ 5·6	−3·4	+4·7	−4·9	+ 4·9
8	+0·1	+11·5	+1·4	+8·2	−0·7	+8·3	−3·3	+ 7·1	−2·6	+5·3	−4·8	+ 5·4
9	+0·5	+12·0	+3·0	+9·3	−0·3	+9·0	−3·7	+ 9·3	−2·8	+8·2	−5·7	+ 8·0
10	+1·7	+13·0	+3·7	+8·2	+0·7	+9·6	−3·4	+ 9·6	−3·6	+9·6	−6·8	+10·8
11	+2·2	+13·4	+4·6	+8·3	+1·1	+9·2	−3·1	+10·6	−2·9	+9·7	−6·9	+11·6
Noon	+2·5	+13·5	+5·0	+8·2	+1·7	+9·2	−3·1	+10·4	−2·0	+9·3	−6·9	+11·9
13h	+2·2	+13·3	+5·2	+8·2	+1·9	+7·8	−3·4	+10·3	−2·1	+8·7	−5·9	+11·8
14	+1·3	+12·7	+5·3	+8·0	+0·9	+8·9	−3·8	+10·6	−2·1	+8·6	−6·8	+10·5
15	+0·8	+12·5	+4·3	+7·7	+1·1	+8·3	−4·1	+ 9·9	−3·1	+8·1	−6·4	+10·1
16	+1·2	+13·0	+3·0	+7·0	0·0	+8·3	−4·7	+ 9·9	−3·1	+8·1	−6·2	+ 9·8
17	−0·2	+12·6	+1·7	+7·4	+0·4	+8·8	−4·2	+ 8·4	−2·3	+5·7	−5·0	+ 7·3
18	−0·8	+11·4	+0·9	+6·5	−0·9	+7·5	−3·1	+ 6·2	−2·5	+4·7	−4·1	+ 5·5
19	−0·9	+ 9·1	−0·3	+4·8	−0·8	+6·6	−3·2	+ 5·5	−2·4	+4·3	−3·8	+ 4·7
20	−1·4	+ 7·1	−0·8	+4·7	−0·7	+6·3	−2·9	+ 5·6	−2·4	+4·3	−4·5	+ 4·8
21	−1·4	+ 6·8	−0·7	+5·5	−0·6	+6·4	−2·8	+ 5·9	−2·6	+4·7	−5·1	+ 5·3
22	−1·4	+ 7·0	−0·6	+5·5	−0·6	+6·6	−2·6	+ 5·8	−2·4	+4·4	−4·6	+ 4·9
23	−1·5	+ 7·1	−0·4	+6·4	−0·1	+6·1	−2·8	+ 5·5	−2·6	+4·0	−5·1	+ 5·2
24	−1·7	+ 7·0	−0·9	+6·3	+0·2	+6·1	−2·8	+ 5·4	−3·3	+4·6	−4·9	+ 5·1
Number of Days employed.	31		29		31		30		31		30	

Hour. Mauritius Civil Time.	July.		August.		September.		October.		November.		December.		Year.	
	North.	East.	North.	East.	North.	East.	North.	East.	North.	East.	North.	East.	North.	East.
Midnight	−3·3	+ 6·0	−2·3	+ 6·7	−3·5	+ 5·6	−0·8	+5·2	−2·1	+ 6·0	−0·6	+ 5·0	−2·1	+ 5·8
1h	−3·1	+ 5·6	−2·2	+ 6·5	−3·3	+ 5·4	−0·9	+4·9	−1·9	+ 5·1	−0·5	+ 5·0	−2·1	+ 5·4
2	−3·4	+ 5·6	−2·6	+ 6·6	−3·5	+ 5·2	−0·9	+5·0	−2·0	+ 5·4	−1·1	+ 4·8	−2·2	+ 5·5
3	−3·4	+ 5·7	−2·7	+ 6·6	−3·4	+ 5·6	−0·7	+5·0	−2·3	+ 5·5	−1·3	+ 5·4	−2·3	+ 5·5
4	−3·2	+ 5·4	−2·8	+ 6·5	−3·1	+ 5·2	−0·6	+5·1	−2·1	+ 5·7	−0·9	+ 5·3	−2·1	+ 5·4
5	−3·1	+ 5·3	−2·6	+ 6·2	−3·5	+ 5·4	−0·7	+5·1	−2·5	+ 5·7	−1·3	+ 5·6	−2·3	+ 5·3
6	−3·2	+ 6·0	−2·4	+ 6·1	−3·9	+ 5·0	−1·0	+5·5	−2·6	+ 6·2	−1·1	+ 5·3	−2·3	+ 5·6
7	−3·7	+ 6·1	−2·5	+ 6·3	−4·0	+ 5·5	−1·0	+6·9	−3·4	+ 9·0	−0·8	+ 7·7	−2·4	+ 6·3
8	−3·7	+ 6·2	−3·0	+ 8·3	−4·8	+ 9·6	+1·3	+9·5	−2·3	+12·0	+0·6	+ 9·9	−1·8	+ 8·4
9	−3·8	+ 9·5	−3·0	+11·9	−4·6	+12·5	+3·1	+9·5	−1·1	+12·1	+2·2	+10·0	−1·4	+10·1
10	−4·7	+11·7	−2·9	+13·3	−4·7	+12·0	+3·5	+9·9	−0·5	+13·1	+3·5	+ 9·9	−1·1	+10·9
11	−3·9	+11·9	−0·7	+13·9	−3·3	+12·7	+4·3	+9·5	+0·2	+13·2	+3·9	+ 9·1	−0·4	+11·1
Noon	−3·7	+12·4	−0·7	+14·3	−3·7	+12·0	+4·7	+9·0	−0·4	+12·9	+3·9	+ 8·7	−0·2	+11·0
13h	−3·6	+12·0	−1·0	+14·3	−4·6	+11·0	+4·0	+7·9	−1·0	+12·2	+3·9	+ 7·7	−0·4	+10·4
14	−3·4	+12·2	−1·3	+14·3	−4·8	+11·5	+3·7	+8·3	−2·2	+10·6	+3·2	+ 8·1	−0·8	+10·4
15	−4·1	+12·0	−1·9	+14·0	−5·9	+11·1	+2·3	+8·5	−1·3	+10·9	+2·2	+ 7·3	−1·3	+10·0
16	−5·0	+11·0	−2·3	+13·6	−5·0	+11·6	+1·4	+7·7	−1·5	+10·7	+2·2	+ 7·7	−1·7	+ 9·9
17	−4·0	+ 8·4	−2·3	+10·9	−5·0	+ 9·8	+0·4	+7·2	−2·2	+10·4	+1·2	+ 7·8	−1·8	+ 8·7
18	−3·6	+ 6·6	−1·9	+ 8·4	−4·3	+ 7·6	−0·1	+6·6	−2·8	+ 9·8	0·0	+ 8·0	−1·9	+ 7·4
19	−3·0	+ 6·1	−1·8	+ 7·1	−3·6	+ 5·7	−0·7	+5·2	−2·2	+ 8·2	0·0	+ 6·6	−1·9	+ 6·2
20	−2·9	+ 6·7	−1·7	+ 6·4	−3·5	+ 5·5	−0·9	+4·7	−2·2	+ 6·6	−0·2	+ 5·8	−2·0	+ 5·7
21	−3·1	+ 6·5	−2·1	+ 6·6	−3·5	+ 5·6	−0·9	+5·5	−2·4	+ 6·8	−0·3	+ 5·7	−2·1	+ 5·9
22	−3·0	+ 6·2	−1·7	+ 6·4	−3·2	+ 5·3	−0·9	+5·5	−2·2	+ 6·4	−0·2	+ 5·7	−2·0	+ 5·8
23	−3·3	+ 6·9	−1·9	+ 6·4	−3·2	+ 5·5	−0·7	+5·5	−2·4	+ 6·1	−0·4	+ 5·3	−2·0	+ 5·8
24	−3·4	+ 6·3	−2·1	+ 6·6	−3·6	+ 5·5	−0·7	+5·1	−2·1	+ 6·0	−0·7	+ 5·1	−2·2	+ 5·8
Number of Days employed.	31		31		30		31		30		31		..	

MONTHLY MEAN DIRECTION of the WIND, at every HOUR of the DAY, as derived from the NORTH and EAST COMPONENTS.

(The values represent the direction from which the wind blows, counting from South (0°) through East (90°) to North (180°) and West (270°).)

Hour. Mauritius Civil Time.	1904.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	76	82	93	63	56	46	61	71	58	81	71	83	70
1h	75	88	91	64	59	43	61	71	59	80	70	84	69
2	74	87	90	63	59	41	59	68	56	80	70	77	68
3	74	84	83	60	58	42	59	68	59	82	67	76	67
4	74	87	88	62	57	46	59	67	59	83	70	80	69
5	73	85	90	56	57	43	60	67	57	82	66	77	67
6	76	90	85	63	55	47	62	68	52	80	67	78	68
7	79	88	85	65	54	45	59	68	54	82	69	84	69
8	90	100	85	65	64	48	59	70	63	98	79	94	78
9	92	108	88	68	71	54	68	76	70	108	85	102	82
10	97	114	94	70	69	58	68	78	69	110	88	110	84
11	99	119	97	74	73	59	72	87	75	114	91	113	88
Noon.	100	121	101	73	78	60	73	87	73	118	88	114	89
13h	99	122	104	72	76	63	73	86	67	117	85	117	88
14	96	124	96	70	76	57	74	85	67	114	78	112	86
15	94	119	98	67	69	58	71	82	62	105	83	107	83
16	95	113	90	65	69	58	66	80	67	100	82	106	80
17	89	103	93	64	68	56	64	78	63	93	78	99	78
18	86	98	83	63	62	53	61	77	60	89	74	90	76
19	84	86	83	60	61	51	64	76	58	82	75	90	73
20	79	80	84	63	61	47	67	75	57	79	72	88	71
21	78	83	85	65	61	46	64	72	58	81	71	87	70
22	79	84	85	66	61	47	64	75	59	81	71	88	71
23	78	86	89	63	57	46	64	73	60	83	68	86	71
24	76	82	92	63	54	46	62	72	57	82	71	82	69
Number of Days employed.	31	29	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN VELOCITY of the WIND, at every HOUR of the DAY, as derived from the NORTH and EAST COMPONENTS.

(Miles per Hour.)

Hour. Mauritius Civil Time.	1904.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midnight.	7·3	5·8	6·5	6·2	5·7	7·0	6·8	7·1	6·6	5·2	6·4	5·0	6·1
1h	6·4	5·3	5·8	6·2	5·9	7·1	6·4	6·8	6·3	5·0	5·4	5·0	5·8
2	6·8	5·5	5·7	6·7	5·4	6·9	6·6	7·1	6·3	5·1	5·8	4·9	5·9
3	6·7	5·1	5·5	6·2	5·8	6·6	6·6	7·2	6·6	5·0	6·0	5·6	5·9
4	6·3	5·0	6·2	6·0	5·6	6·6	6·3	7·1	6·1	5·1	6·1	5·4	5·8
5	6·1	4·7	5·6	6·0	5·6	6·7	6·2	6·7	6·5	5·1	6·3	5·8	5·8
6	6·5	5·1	6·1	6·0	5·8	7·0	6·8	6·6	6·4	5·6	6·7	5·4	6·1
7	7·6	5·7	6·3	6·1	5·8	7·0	7·2	6·8	6·8	7·0	9·6	7·8	6·8
8	11·5	8·3	8·3	7·8	5·9	7·2	7·2	8·8	10·7	9·6	12·2	9·9	8·6
9	12·0	9·7	9·0	10·0	8·6	9·8	10·2	12·2	13·3	10·0	12·2	10·2	10·2
10	13·1	9·0	9·6	10·2	10·2	12·7	12·6	13·6	12·9	10·5	13·1	10·5	10·9
11	13·6	9·5	9·2	11·1	10·1	13·5	12·5	13·9	13·1	10·5	13·2	9·9	11·1
Noon.	13·7	9·6	9·3	10·8	9·5	13·7	13·0	14·3	12·6	10·2	12·9	9·6	11·0
13h	13·5	9·7	8·0	10·8	9·0	13·2	12·6	14·3	11·9	8·8	12·2	8·7	10·4
14	12·8	9·6	8·9	11·2	8·8	12·5	12·6	14·4	12·4	9·1	10·8	8·7	10·4
15	12·5	8·8	8·3	10·7	8·6	12·0	12·7	14·1	12·6	8·8	11·0	7·6	10·1
16	13·1	7·6	8·3	10·9	8·6	11·6	12·1	13·8	12·7	7·8	10·8	8·0	10·0
17	12·6	7·6	8·8	9·3	6·2	8·8	9·3	11·2	11·0	7·2	10·7	7·9	8·9
18	11·5	6·5	7·5	7·0	5·3	6·8	7·5	8·6	8·7	6·6	10·2	8·0	7·6
19	9·2	4·8	6·6	6·3	4·9	6·0	6·8	7·3	6·7	5·2	8·5	6·6	6·5
20	7·3	4·7	6·3	6·3	4·9	6·6	7·3	6·6	6·5	4·8	7·0	5·8	6·0
21	7·0	5·5	6·4	6·5	5·3	7·3	7·2	7·0	6·6	5·6	7·2	5·7	6·2
22	7·1	5·5	6·6	6·3	5·0	6·7	6·9	6·6	6·2	5·6	6·7	5·7	6·1
23	7·2	6·4	6·1	6·1	4·7	7·3	7·7	6·7	6·3	5·6	6·6	5·3	6·1
24	7·2	6·3	6·1	6·1	5·6	7·0	7·2	7·0	6·6	5·2	6·3	5·2	6·2
Number of Days employed.	31	29	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN VELOCITY of the WIND at every HOUR of the DAY, as derived from the Measures of the BECKLEY ANEMOGRAPH. (Miles per Hour.)

Hour. Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midnight	7·8	7·4	9·6	6·7	6·7	7·5	7·9	7·4	7·2	6·6	6·5	5·8	7·26
1h	7·0	6·7	8·8	6·5	6·7	7·4	7·3	7·0	6·9	6·1	5·6	6·0	6·83
2	7·3	7·0	8·5	7·1	6·3	7·4	7·5	7·3	6·8	6·5	6·0	5·9	6·97
3	7·4	6·8	8·7	6·5	6·2	7·2	7·4	7·4	6·9	6·6	6·3	6·1	6·96
4	7·0	6·4	9·3	6·4	6·1	7·1	6·9	7·3	6·8	6·6	6·3	5·8	6·83
5	7·0	6·2	8·8	6·3	6·3	7·1	7·0	7·0	7·2	6·7	6·4	6·3	6·86
6	7·3	6·6	9·1	6·4	6·4	7·3	7·5	6·8	6·9	6·7	6·9	5·8	6·98
7	8·0	7·1	9·0	6·5	6·2	7·1	7·7	7·1	7·5	8·1	10·0	8·3	7·72
8	12·2	10·4	11·8	8·2	6·6	7·6	8·3	9·1	11·7	11·3	12·7	10·9	10·07
9	12·7	12·0	13·1	10·7	9·4	11·1	11·5	12·7	14·1	12·6	12·9	11·8	12·05
10	14·2	13·0	13·6	11·4	11·1	13·5	13·7	13·9	14·3	13·5	14·1	12·9	13·27
11	14·5	13·8	14·1	12·3	11·5	14·4	14·0	14·4	14·9	13·7	14·0	13·0	13·72
Noon	15·0	13·7	14·9	13·0	12·4	14·4	14·2	14·7	15·2	14·2	14·7	13·4	14·15
13h	14·8	13·2	14·4	13·1	12·3	14·3	14·3	15·0	14·8	13·7	14·7	13·3	13·99
14	14·7	13·6	15·0	13·1	11·9	13·6	14·4	15·0	15·4	13·6	14·8	12·4	13·96
15	14·0	12·7	14·0	12·5	11·8	13·4	14·4	14·4	14·7	13·7	14·2	11·8	13·47
16	13·9	12·5	13·2	11·8	10·6	12·6	13·7	14·1	14·2	12·9	13·4	11·4	12·86
17	13·3	11·6	12·8	10·0	7·4	9·4	10·6	11·4	12·1	10·9	12·5	10·1	11·01
18	12·1	10·1	11·0	7·5	6·4	7·2	8·5	8·8	9·5	9·3	11·5	9·5	9·28
19	9·6	7·8	9·2	7·1	5·9	6·7	7·6	7·4	7·4	7·1	9·0	7·6	7·70
20	7·8	7·0	9·4	7·0	6·1	7·3	7·8	6·8	6·9	6·2	7·4	6·7	7·20
21	7·5	7·4	9·4	7·2	6·5	7·7	7·9	7·1	7·1	6·6	7·5	6·5	7·37
22	7·6	7·2	9·9	7·0	5·8	7·1	7·5	6·8	6·6	6·7	7·1	7·0	7·19
23	7·6	7·8	9·3	6·7	6·1	7·4	8·6	6·9	6·9	6·9	6·8	6·3	7·28
24	7·7	7·9	9·3	6·5	6·8	7·5	8·2	7·2	7·2	6·5	6·5	6·0	7·28
Number of Days employed.	31	29	31	30	31	30	31	31	30	31	30	31	..

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

Month, 1904.	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	2	5	41	205	264	186	9	3	3	16	3	1	3	1	2	..	..
February	49	57	51	131	160	149	7	17	3	3	11	15	4	7	11	21	..
March	34	16	13	49	131	273	80	8	3	2	3	2	9	7	27	87	..
April	..	..	12	37	131	365	56	67	28	4	4	5	5	3	1	2	..
May	..	3	23	15	149	348	92	10	26	11	8	8	41	7	2	..	1
June	..	1	11	7	45	265	291	73	5	5	3	9	..	4	..	..	1
July	..	1	21	63	170	293	130	30	22	4	6	4	..	..	..	..	..
August	..	..	6	80	250	376	30	2	..	..	..	..	..	..	..	..	..
September	..	..	1	43	136	312	125	53	19	5	11	5	4	5	1	..	..
October	29	34	44	127	202	172	12	2	6	7	5	4	..	31	21	48	..
November	..	3	16	111	219	299	40	6	3	6	8	2	1	2	4	..	..
December	9	31	58	232	236	32	59	23	7	1	14	4	21	6	6	5	..
Total	123	151	297	1100	2093	3070	931	294	125	64	76	59	88	73	75	163	2

MONTHLY MEAN AMOUNT of CLOUD at every HOUR of the DAY (on a Scale of 0—10).

Hour, Mauritius Civil Time.	1904. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Midnight	4·0	5·5	5·5	4·2	2·3	3·3	3·0	3·3	4·7	5·9	4·3	3·8	4·15
1	4·7	6·0	6·0	5·6	2·4	4·3	3·5	4·3	5·0	6·0	5·2	4·6	4·80
2	5·2	5·4	5·9	6·1	2·2	4·3	3·4	4·4	5·0	6·3	4·5	5·1	4·82
3	5·5	4·9	6·3	6·0	2·0	3·9	3·5	5·1	5·3	5·8	4·4	5·1	4·82
4	4·7	5·1	5·8	5·6	2·4	4·3	3·6	4·5	5·1	5·4	4·8	4·9	4·68
5	6·5	6·1	5·8	5·4	1·9	4·1	3·8	4·6	5·0	6·2	5·5	5·8	5·06
6	6·3	6·7	6·6	6·3	2·9	4·8	4·6	4·6	5·4	5·8	5·5	5·5	5·42
7	5·2	6·5	5·5	5·6	3·3	4·3	4·6	4·4	5·1	6·1	5·7	5·3	5·13
8	6·2	7·1	6·7	6·0	3·5	4·3	4·6	4·7	5·2	7·1	6·2	5·9	5·62
9	6·7	7·7	6·8	6·0	4·5	4·8	4·7	5·9	6·0	7·1	6·1	6·3	6·05
10	6·7	7·5	7·1	6·5	5·3	5·3	5·0	6·4	6·4	7·2	5·7	6·6	6·31
11	6·7	7·3	7·5	6·7	5·4	5·4	5·9	6·5	6·7	7·3	5·9	6·4	6·47
Noon	6·7	7·1	7·2	6·4	5·5	4·7	5·8	6·6	6·8	7·1	5·7	6·2	6·32
13	7·0	7·7	7·6	6·8	5·6	5·4	6·1	6·4	9·6	6·9	5·7	6·4	6·51
14	6·9	7·6	7·4	6·7	5·5	5·4	6·0	6·3	6·9	6·8	5·7	6·8	6·50
15	7·2	8·0	7·3	6·5	5·1	5·4	5·5	6·0	6·6	6·9	5·9	6·9	6·44
16	6·9	7·8	7·3	6·2	5·0	4·5	5·0	5·3	6·8	7·1	6·1	7·0	6·25
17	6·8	8·4	7·0	6·1	4·6	3·8	4·6	5·4	6·9	7·3	6·5	7·4	6·23
18	7·5	8·4	7·2	5·9	4·6	4·2	4·0	4·1	6·2	6·2	6·4	6·9	5·97
19	7·1	8·2	7·1	4·3	2·4	2·9	3·3	3·8	4·5	4·7	5·4	6·6	5·03
20	4·7	6·2	5·9	4·7	3·1	2·9	2·8	3·1	4·2	4·9	3·3	4·6	4·20
21	4·4	6·3	5·5	4·5	2·8	2·8	3·4	3·3	4·4	4·9	3·5	4·8	4·22
22	5·1	6·7	5·8	5·1	3·0	2·9	3·1	4·0	4·9	4·7	3·4	4·6	4·44
23	5·1	7·0	5·7	5·4	2·6	2·7	3·5	4·1	5·2	5·1	4·3	4·3	4·58
Number of Days employed.	31	29	31	30	31	30	31	31	30	31	30	31	..

DIRECTION of MOTION of the various types of CLOUD as derived from observations with the MARVIN NEPHOSCOPE.

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

Cirrus. M.C.T.	Direction.	Cirro-Stratus. M.C.T.	Direction.	Cirro-Cumulus. M.C.T.	Direction.	Cirro-Cumulus. M.C.T.	Direction.	Alto-Stratus. M.C.T.	Direction.
Feb.		Feb.		Feb.		June		Feb.	
d h	°	d h	°	d h	°	d h	°	d h	°
16.15	245	16.15	229	22.13	206	25.10	256	22. 9	326
17.12	276	17.12	220	23.10	156	28·15	240	22.13	295
19.15	270	20. 9	147	25. 9	201			22.15	326
24.12	271			26.13	240	July		23.10	326
		March		26.16	265	7.15	110	23.14	330
March		1.12	241			9. 9	190	25.10	351
15.15	295	8.13	250	March		20. 9	125	25.13	340
16.12	296	24.10	326	10. 9	6	26.15	196	25.15	327
19.10	266	24.15	356	11.13	35	29.11	295		
		30.15	246	15.10	210			March	
Sept.		31.12	236	16. 9	221	Sept.		1.16	356
29.15	276			19.13	136	9.10	88	2.14	335
		April		22·15	274	15.15	114	11.13	335
Oct.		2.13	246	24.12	131			14.12	352
7. 9	280	5.15	240	29.15	195	Oct.		15. 9	341
7.15	271	8.15	205	31. 9	211	8.10	125		
8.13	280	9.13	206			12.10	75	April	
10.15	266	21.16	246	April		13.10	126	26. 9	305
12.15	250	29. 9	256	2.12	146	14.15	105		
15.13	261	29.12	246	3. 9	138	15.10	116	May	
22. 9	271	29.15	256	5.12	176	17.15	145	4.10	280
26.10	255			6. 9	266	20.10	245	5.15	271
27.13	275	Nov.		6.15	236	25.14	214	6.11	256
		26.13	246	8.12	88	27.13	255	9.15	291
Nov.				9.13	246	Nov.			
4.10	285	Dec.		13. 9	296	4.10	135	June	
26.13	246	20.15	352	15. 9	81	28.15	169	25.10	266
29.15	306			29.13	231	30.15	301	25.13	270
30. 9	285			29.16	241				
						Dec.		Aug.	
Dec.				May.		1.15	346	30.10	15
3· 9	285			4.10	269	8. 9	215		
6·15	232			9.15	241	9. 9	225	Oct.	
8.14	276			18. 9	141	12.15	131	28.10	345
10.10	265			21. 9	96	13.15	205		
16·14	300			26.15	246	17. 9	351		
20·10	242			27.11	235	23.15	130		

Alto-Cumulus. M.C.T.	Direction.	Alto-Cumulus. M.C.T.	Direction.	Alto-Cumulus. M.C.T.	Direction.	Cumulus. M.C.T.	Direction.	Cumulus. M.C.T.	Direction.
Feb.		May		Sept.		Feb.		March	
d h	°	d h	°	d h	°	d h	°	d h	°
16. 9	228	19.14	10	14.10	107	16.12	170	10. 9	206
17. 9	300	23. 9	105	14.15	112	16.15	191	10.13	189
29. 9	146	23.15	116	15.10	107	17. 9	188	10.15	126
		27.15	225	15.15	114	18.11	224	11. 9	242
March		28.10	95	16. 9	119	20. 9	214	11.13	265
1. 9	87			16.15	114	20.13	124	11.15	270
2.14	47	June		22.15	42	22. 9	151	12. 9	296
2.16	45	18.13	95	28.15	106	22.13	153	14.10	196
5.10	116	27.15	241	30.10	91	25.10	186	14.12	210
10.15	221					25.12	200	14.15	220
17. 9	155	July		Oct.		26. 9	150	15. 9	246
26.10	126	6.15	5	1.10	135	26.15	215	15.15	55
26.12	131	13.15	106	4.15	6	27. 9	196	16.12	89
28.13	131	15.15	126	6.10	111	27.13	200	17.12	95
29. 9	190	18. 9	116	6.15	105	29.13	76	17.16	106
29.12	185	20.15	351	8.14	115	29.15	78	18. 9	87
30. 9	225	28.12	96	11.10	115			18.12	90
30.12	235			13.15	136			18.15	83
30.15	240	Aug.		14.10	45			19.10	74
		2.10	101	15.14	115	March		19.12	86
April		5.12	65	24.16	172	1. 9	97	22.15	204
6.13	246	8.15	71	25. 9	267	1.12	89	23.12	208
7.10	80	16.11	85	31.16	217	1.15	81	23.15	226
13.15	275	16.15	90			2.10	71	24.10	206
14.15	300	17.10	100	Nov.		2.14	85	24.12	211
18.11	96	18. 9	35	7.10	335	2·16	57	24.15	176
18.15	36	19.10	56	11.15	146	3. 9	66	26. 9	41
27.10	91	22.10	111	21.10	125	3.13	63	26.12	36
27.12	88	27.10	111	25.15	326	3.15	60	29.13	55
27.15	88	27.13	111	29.10	190	4.11	64	29.15	50
		31. 9	85			4.13	61	30.12	55
May				Dec.		4.15	56	30.15	65
4.12	258	Sept.		2.15	66	5.12	6	31. 9	81
5.15	126	1. 9	145	5.16	352	7.12	11	31.12	76
9.12	116	5.10	157	27.15	119	8.15	54	31.15	70
10.15	325	6.15	266	29.15	279	9.10	69		
18. 9	146	9.15	255			9.15	201		

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

Cumulus.

M.C.T.	Direction.
April	
d h	°
2. 9	78
2.12	76
5.10	61
5.12	61
5.15	65
6. 9	61
6.12	76
6.15	69
7.10	40
9. 9	26
9.13	31
10.15	326
12. 9	6
14.10	321
15. 9	51
15.12	47
15.15	45
16. 9	50
16.12	60
18.11	78
18.15	71
19.12	61
25.12	71
25.15	73
26. 9	85
26.15	77
27.10	66
27.12	61
27.15	62
28.10	88
28.12	80
28.15	71
29. 9	106
29.12	106
29.15	126
30.13	145
May	
2.12	71
3. 9	96
3.12	91
3.15	71
4.10	115
4.12	110
5.15	61
6.11	86
6.15	76
7. 9	66
7.12	64
9.15	126
10.11	125
10.15	155
11. 9	182
11.12	197
12.12	76
13.12	196
13.15	226
16.11	55
17. 9	61
18.15	70
19. 9	58
19.14	61
20. 9	56
20.15	66

M.C.T.	Direction.
May.	
d h	°
21.14	76
23. 9	75
25.12	21
25.15	26
26.12	41
26.15	36
28. 9	70
28 13	65
30.10	41
30.15	16
31.13	21
June	
1.14	51
4.11	70
6.11	65
7.15	70
8.12	71
8.15	71
9.11	66
10.11	74
10.15	66
11.11	71
13. 9	85
15.12	64
16.11	50
16.15	51
17.11	60
17.15	61
18.10	79
20.11	77
22.12	69
22.15	85
23.11	83
25. 9	71
25.13	73
27.10	105
27.15	126
28. 9	1
28.15	11
July	
1. 9	45
1.15	40
2. 9	59
2.13	61
4.11	67
4.15	74
5. 9	76
5.15	74
6.10	66
6.15	59
7.10	70
8.10	72
9.13	69
11.12	86
11.15	78
12.11	65
12 15	59
13.10	61
13.15	61
14. 9	74
14.15	72

M.C.T.	Direction.
July	
d h	°
15. 9	88
15.15	92
16.14	65
18.12	85
20.10	95
20.15	96
21. 9	107
21·15	346
22.11	26
22.15	56
23.10	55
23.13	55
25.10	59
25.15	60
26.10	77
26.15	88
27.10	102
27.15	136
28.12	296
28.15	286
29.15	85
30.11	71
30.14	66
Aug.	
1.12	73
1.15	76
3. 9	73
5.16	73
6.10	77
6.13	81
8.15	60
9.10	79
9.15	75
10.10	81
10.15	86
11.15	86
12. 9	79
12.15	74
16.11	73
16.15	76
17.15	66
18. 9	85
19.10	71
20. 9	85
20.13	95
22.10	97
22.15	102
23. 9	89
23.15	72
24.13	65
24.15	85
25.10	75
25.15	86
26.10	73
26.15	76
27.10	89
27.15	85
28.12	85
29.10	335
30.15	78
31. 9	73
31.15	76
Sept.	
1. 9	91
2.10	69
2.15	63

M.C.T.	Direction.
Sept.	
d h	°
3.10	81
3.13	86
5.10	81
5.15	86
6.10	89
6.15	96
7.10	101
8.10	91
9.10	64
10.10	96
13.10	73
14.10	61
14.15	56
15.10	75
15.15	86
16.15	86
17. 9	89
19.10	45
19.15	36
20.10	49
20.15	48
21.10	45
21.15	42
22.10	55
22.15	60
23.10	59
23.15	66
24.10	81
24.14	85
25. 9	55
25.15	56
27. 9	65
27.15	68
29.10	75
29.16	72
30.10	61
30.16	72
Oct.	
1.10	75
1.14	79
4. 6	46
4.15	64
6.15	81
7.10	75
7.15	81
8.14	95
11.10	103
12.10	115
12.15	125
14.15	81
15.14	91
17.15	85
18.10	99
18.15	89
20.10	85
21.15	101
22. 9	127
22.13	141
24.16	96
25. 9	127
26.10	135
27.10	170

M.C.T.	Direction.
Oct.	
d h	°
27.13	195
28.15	235
29. 9	245
29.14	245
31.16	105
Nov.	
3.10	89
3.15	87
4. 9	85
4.15	85
7.10	85
7.15	77
11.10	71
11.15	71
14.15	65
15.10	51
15.15	51
16 10	45
16.16	71
17.10	63
17.16	57
18.10	91
19.14	59
21.16	195
22.10	129
23.10	155
23.16	335
24.10	95
24.15	50
25. 9	89
25.15	96
26.13	336
28.10	106
28.14	117
29.10	130
29.15	146
30. 9	117
Dec.	
1.10	84
1.15	71
2.10	95
2.15	94
3. 9	90
3.13	75
5. 9	100
6. 9	50
6.15	76
8.14	131
9. 9	120
9.15	110
10.10	95
10.14	96
12. 9	86
13. 9	96
13.15	89
14.10	93
15. 9	102
15.15	111
16. 9	102
16.14	115

M.C.T.	Direction.
Dec.	
d h	°
17.10	286
19. 9	50
19.15	96
20.10	139
20.15	120
21. 9	156
21.15	128
22. 9	88
22.15	86
23. 9	100
23.15	120
27. 9	107
27.15	139
30.15	102

Cumulo-Stratus.

M.C.T.	Direction.
Feb.	
d h	°
16.10	186
19.15	321
29.15	88
March	
1. 9	93
2.15	90
8. 9	36
8.12	41
8.15	35
20.12	74
20.15	71
21.16	72
May	
5. 9	65
5.15	70
11. 9	147
June	
13.15	26
18.13	80
20.15	46
22.15	85
28.10	1
July	
7.15	81
21.15	346
22.11	26
29.15	0
30.14	66

Cumulo-Stratus.

M.C.T.	Direction.
Aug.	
d h	°
1.12	73
2.10	77
4.10	77
5.16	73
6.10	77
6.13	81
8.15	60
10.15	86
9.15	16
24.13	65
24.15	66
Sept.	
10.16	76
19.15	36
24.14	35
Oct.	
14.15	81
21.10	105
27.16	225
28.15	235
29.14	245
Nov.	
12. 9	105
14.10	71
16.10	45
16.16	71
18.15	355
19.10	75
19.14	22
21.10	35
22.10	21
23.10	25
23.16	335
24.10	0
25.15	52
26.13	336
Dec.	
5.16	15
13.15	89
16.14	5
19. 9	90
28. 9	150

Cumulo-Nimbus.

M.C.T.	Direction.
Feb.	
d h	°
20. 9	205
23.13	130
24.12	150
25.15	196
26. 9	205
26.12	215
27. 9	206
March	
5.12	356
7.15	5
9.15	141
10. 9	196
10.13	166
25. 9	181
28.10	75
April	
11.11	16
May	
9.12	106
23.15	76
27.11	65
27.15	65
June	
7.12	75
23.15	81
July	
18.15	80
Aug.	
2.10	77
11. 9	95
Oct.	
11.10	103
11.15	107
Nov.	
5.10	81
5.14	77
12. 9	85
12.14	85
30.15	83
Dec.	
12.15	83
14.15	90
24. 9	123
30. 9	100

Nimbus.

M.C.T.	Direction.
Feb.	
d h	°
16. 9	154
16.10	151
29. 9	86
29.15	86
March	
2.10	76
12. 9	106
17. 9	95
17.15	106
23.12	211
25.12	41
April	
12. 9	291
30.13	148
June	
8.12	78
8.15	86
18.10	79
24.11	85
July	
7.15	81
16. 9	101
26.10	77
Aug.	
2.15	76
17.10	85
27.10	89
30.10	85
31.15	88
Sept.	
5.10	101
5.15	98
16. 9	82
23.10	95
23.15	92
28. 9	101
Oct.	
6.10	89
6.15	95
13.10	106
13.15	98
14.10	85
17.10	101
24.15	118
28.10	205

M.C.T.	Direction.
Nov.	
d h	°
18.15	355
19.10	75
19.14	22
21.10	35
21.16	355
24.15	20
25. 9	101
Dec.	
6.15	76
8. 9	117
17.14	1
20.10	139
28. 9	150
29.15	15

ABSTRACT of the PRINCIPAL CHANGES of the DIRECTION of the WIND, as derived from the RECORDS of the BECKLEY ANEMOGRAPH in the YEAR 1904.

Mauritius Civil Time. From	Mauritius Civil Time. To	Change of Direction. From	Change of Direction. To	Amount of Motion. Direct.	Amount of Motion. Retrograde.
				points.	points.
January.					
d h	d h				
2.19	3. 8	E.S.E.	N.E.	26	
3.10	3.21	N.E	E.S.E.	6	
18. 9½	18.15	E.S.E.	S.S.W.		24
19. 8	19.10	S.S.W.	E.S.E.		8
19.11½	19.13½	E.S.E.	W.	14	
19.13½	19.18	W.	E.S.E.		14
February.					
4. 9½	4.10	E.S.E.	S.W.	10	
4.11½	4.12½	S.W.	N.N.E.	14	
4.16½	4.18½	N.N.E.	S.S.E.	12	
4.20	5.10½	S.S.E.	N.N.E.		12
5.16½	5.19	N.N.E.	S.W.	18	
5.19	6. 0	S.W.	E.S.E.		10
15. 3	15. 9	E.S.E.	E.N.E.		4
16. 7	16.11	E.N.E.	N.N.E.		4
17.11	17.12	N.N.E.	N.		2
17.16	17.17	N.	N.N.E.	2	
17.22½	18. 5	N.N.E.	N.N.W.		4
18.10½	18·18	N.N.W.	W.S.W.		8
19. 7½	19. 8½	W.S.W.	E.		14
19. 9	19. 9½	E.	W.S.W.	14	
19.12	19.15½	W.S.W.	N.N.E.		52
19.16	19.16½	N.N.E.	W.S.W.	20	
19.21½	19.22	W.S.W.	S.		6
20. 9½		S.	N.W.		20
20. 13½		N.W.	W.N.W.		2
20.15½	20.18	W.N.W.	E.S.E.	16	
21. 3	21. 8	E.S.E.	N.N.E.		8
21.16	21.21	N.N.E.	E.N.E.	4	
22. 8	22.11	E.N.E.	N.N.E.		4
22.16	22.22	N.N.E.	E.	6	
23. 6	23. 8½	E.	E.N.E.		2
23.15½	23.16½	E.N.E.	S.S.W.	12	
23.17½	24.15½	S.S.W.	N.N.W.		20
24.15½	25. 3	N.N.W.	E.N.E.	8	
25. 7½	25.18½	E.N.E.	W.N.W.		12
25.23	26. 1	W.N.W.	E.	14	
26. 8	26.13	E.	N.		8
27. 3	27. 4	N.	E.	8	
27. 8	27.10	E.	N.N.W.		10
28. 1½	28. 8	N.N.W.	E.S.E.	12	
March.					
d h	d h				
6.10	6.18	S.E.	S.E.	32	
7. 4½		S.E.	S.S.E.	2	
7.12	7.15	S.S.E.	N.N.E.		12
7.15	7.15½	N.N.E.	S.S.E.	12	
8. 0½	8. 9	S.S.E.	E.S.E.		4
9. 9	9.14	E.S.E.	N.N.E.		8
9.20½	10. 6	N.N.E.	E.	6	
10. 8	10.12½	E.	N.N.W.		10
11. 7½	11. 8½	N.N.W.	W.N.W.		4
11.15½	11.20½	W.N.W.	W.S.W.		4
11.22	12. 2	W.S.W.	S.E.	22	
12.10	12.11	S.E.	N.N.E.		10
12.11½	12.12½	N.N.E.	S.S.W.	16	
12.13½	12.15	S.S.W.	E.S.E.		8
13. 10½		E.S.E.	N.		10
14. 1½	14. 2½	N.	E.N.E.	6	
14. 8	14.10½	E.N.E.	N.N.W.		8
15. 9	15.12½	N.N.W.	W.N.W.		36
15·13		W.N.W.	E.S.E.	16	
21. 9½	21.10	E.	E.N.E.		2
21.15	22.13	E.N.E.	N.N.W.		8
25.12	25.15½	N.N.W.	S.E.		18
26. 1½		S.E.	E.S.E.		2
April.					
4.12	4.13½	E.S.E.	W.N.W.		16
4.14¼	4.15¼	W.N.W.	E.S.E.	16	
7.10	7.15	E.S.E.	N.W.	18	
7.15¼	7.16	N.W.	S.E.		16
9.16	10.11	S.E.	S.W.	8	
10.12¼	10.18¾	S.W.	E.S.E.		10
10.21	11. 9	E.S.E.	S.W.	10	
11.10	11.10½	S.W.	S.S.E.		6
11.18	12. 9¾	S.S.E.	W.	10	
12.10¼	13. 1	W.	S.S.E.		10
13. 9½	13.13¾	S.S.E.	N.N.W.	16	
13.14	13.17	N.N.W.	S.S.E.		16
14. 3	14.11½	S.S.E.	N.W.	14	
14.12	14.14½	N.W.	S.S.E.		14
15. 7½	15. 8½	S.S.E.	E.S.E.		4
22. 7¾	22. 9¼	E.S.E.	N.E.		6
22.10½	22.22	N.E.	E.	4	4
30. 3½	30. 4¼	E.	S.	8	
30. 4½	30.12	S.	N.E.		12
30.21	30.21¼	N.E.	E.S.E.	6	
May.					
d h	d h				
1.10½	1.13	E.S.E.	W.	14	
1.17½	1.18¾	W.	S.E.		12
2. 9	2.12½	S.E.	W.		20
2.21	3.11	W.	E.		16
4.15	4.15½	E.	S.W.	12	
4.16½	4.17	S.W.	E.S.E.		10
8. 7¾	8.10½	E.S.E.	E.N.E.		4
8.14½	8.17	E.N.E.	E.S.E.	4	
8.18½	8.22¼	E.S.E.	N.E.		6
8.22½	8.23	N.E.	W.S.W.	18	
8.23	9. 9	W.S.W.	N.E.		18
9.15½	9.20½	N.E.	E.S.E.	6	
10. 8	10.12	E.S.E.	N.N.E.		8
10.14	11.10¾	N.N.E.	N.N.W.	28	
11.12	12.10	N.NW.	S.		14
12.11¾	12.12	S.	N.W.	12	
12.13½	12.20½	N.W.	E.S.E.		18
13.11	14. 4½	E.S.E.	S.		26
14.10¼	14.10¾	S.	N.W.	12	
14.11	15.11	N.W.	E.		20
15.11¼	15.13	E.	W.N.W.	18	
15.13½	16. 8½	W.N.W.	E.S.E.		16
19. 5	19. 5¼	E.S.E.	S.S.E.	4	
19. 8¾	19. 9	S.S.E.	E.S.E.		4
24. 9	24.10	E.S.E.	S.	6	
24.11	24.11¼	S.	E.S.E.		6
June.					
12.22	12.22¼	E.S.E.	S.S.E.	4	
13. 6½	13. 7	S.S.E.	S.S.W.	4	
13. 9½	13.13	S.S.W.	N.W.		22
13.13¼	13.15½	N.W.	N.W.	32	
13.20½	13.23	N.W.	S.S.E.		14
14. 8½	14. 8¾	S.S.E.	W.S.W.	8	
14.11	14.13¾	W.S.W.	E.S.E.		12
14·14¼	14.15	E.S.E.	S.	6	
14.15¾	15.10	S.	S.E.		4
27. 2½	27.15½	S.E.	N.E.		8
28. 1½	28. 6	N.E.	E.		28
28.10	28.10½	E.	S.S.W.		10
28.11	28.22	S.S.W.	S.E.	6	
29. 9	29.11	S.E.	E.		4
29.11½	29.14	E.	W.S.W.	14	
29.15	29.17	W.S.W.	E.S.E.		12
30. 8½	30.14	E.S.E.	W.S.W.	12	
30.16¼	30.16½	W.S.W.	E.S.E.		12
30.19½	30.20	E.S.E.	S.S.E.	4	

ABSTRACT of the PRINCIPAL CHANGES of the DIRECTION of the WIND, as derived from the RECORDS of the BECKLEY ANEMOGRAPH in the YEAR 1904—*continued.*

Mauritius Civil Time. From	Mauritius Civil Time. To	Change of Direction. From	Change of Direction. To	Amount of Motion. Direct.	Amount of Motion. Retrograde.
				points.	points.
July.					
d h	d h				
1.12	2. 7	S.S.E.	E.S.E.		4
17 9	17.13	E.S.E.	E.N.E.		4
17.15½	17.15¾	E.N.E.	S.S.W.	12	
17.20½	18. 1	S.S.W.	S.E.		6
18.10	18.12½	S.E.	E.N.E.		6
18.13½	18.14¾	E.N.E.	E.S.E.	4	
19. 9	19.13	E.S.E.	N.E.		6
19.15	19.17	N.E.	S.S.W.	14	
19.18	19.20	S.S.W.	E.		10
20. 8½	20. 9½	E.	E.N.E.		2
21.19½	22. 6½	E.N.E.	E.S.E.	4	
22.12¼	22.12¾	E.S.E.	W.S.W.	12	
22.13¼	22.14	W.S.W.	S.E.		10
26. 6½	26. 9½	S.E.	E.S.E.		2
27. 8½	27. 9	E.S.E.	E.N.E.		4
28. 3	28. 4	E.N.E.	E.S.E.	4	
28. 8	28. 9	E.S.E.	S.S.W.		24
28.10	28.12	S.S.W.	W.S.W.	4	
28.20	29. 9½	W.S.W.	S.S.E.		8
30. 9	30. 9½	S.S.E.	E.S.E.		4
August.					
5. 2	5. 2¼	E.S.E.	E.N.E.		4
5. 2½	5. 9	E.N.E.	S.S.E.	8	
5. 9¼	5.13½	S.S.E.	N.E.		10
5.14	5.21	N.E.	S.E.	8	
6. 8½	6.10	S.E.	E.S.E.		2
September.					
7. 8½	7. 9	E.S.E.	E.N.E.		4
7.12½	7.13½	E.N.E.	S.W.	14	
7.16	7.16½	S.W.	E.		12
7.22	7.22¼	E.	S.S.W.	10	
8. 1	8. 1½	S.S.W.	S.E.		6
8. 9¼	8. 9½	S.E.	E.		4
8.10	8.13¼	E.	N.N.W.	18	
8.13½	8.19	N.N.W.	S.		14
9. 4½	9. 6½	S.	S.E.		4
10. 1½	10. 6½	S.E.	S.	4	
Sept.—*cont.*					
d h	d h				
10. 8	10.10¾	S.	E.		8
10.10¾	10.11¾	E.	S.	8	
*10. 11¾		S.	W.S.W.		26
10.11¾	10.12¾	W.S.W.	N.	10	
10.12¾	10.13½	N.	W.S.W.		10
10.13½	10.17	W.S.W.	S.S.E.	24	
11. 8	11. 9	S.S.E.	E.		6
11.13	11.13½	E.	W.	16	
11.16	12. 9	W.	E.S.E.		14
17. 5	17. 6	E.S.E.	S.	6	
17. 8½	17.10	S.	E.N.E.		10
17.11½	17.14½	E.N.E.	W.	18	
17.14½	17.18½	W.	S.S.E.		10
18. 8½	18. 9¾	S.S.E.	W.N.W.	12	
18.10	18.21	W.N.W.	S.E.		14
18.23	19. 4½	S.E.	N.W.	16	
19. 4¾	19. 5	N.W.	S.S.E.		14
22. 7	22. 8	S.S.E.	E.S.E.		4
October.					
3.12	3.22¾	E.S.E.	W.	46	
4. 2½	4. 8	W.	E.S.E.		14
10.11½	10.12	E.S.E.	S.W.		22
10.13	10.15	S.W.	S.E.	24	
10.15½	10.15¾	S.E.	E.N.E.		6
10.19	10.20	E.N.E.	E.S.E.	4	
11. 9	11.10	E.S.E.	E.N.E.		4
20.15	20.15½	E.N.E.	W.	18	
20.15¾	21. 8	W.	E.N.E.		18
23. 7½	23.13	E.N.E.	N.		6
23.13½	23.23	N.	E.S.E.	10	
24. 1	24. 8	E.S.E.	E.N.E.		4
25. 7	25.14½	E.N.E.	N.N.W.		8
26. 0	26. 5	N.N.W.	E.	10	
26. 7	26. 9½	E.	N.		8
26.14½	26.15	N.	S.	16	
26.19	26.19¼	S.	E.S.E.		6
27. 7	27.13	E.S.E.	N.N.W.		12
28. 3	28. 3½	N.N.W.	N.	2	
28. 8	28.16	N.	W.N.W.		6
29. 6	29. 7	W.N.W.	N.N.E.	8	
29. 8	29.16¼	N.N.E.	W.N.W.		8
29.16½	30. 5	W.N.W.	N.N.E.	4	
30. 8½	30.16½	N.N.E.	W.N.W.		8
30.18	31. 7½	W.N.W.	N.N.E.	8	
31. 8¾	31.10	N.N.E.	N.N.W.		4
31.12½	31.19	N.N.W.	S.E.	14	
November.					
d h	d h				
1. 7	1. 8½	S.E.	E.N.E.		6
1.16½	2. 2	E.N.E.	E.S.E.	4	
21. 7	21. 8½	E.S.E.	E.N.E.		4
21.13	21.20	E.N.E.	E.S.E.	36	
22. 8	22.10	E.S.E.	N.E.		6
22.10½	22.12	N.E.	S.W.	16	
22.14½	22.21½	S.W.	E.S.E.	22	
26. 8½	26.10	E.S.E.	E.N.E.		4
26.13	26.13½	E.N.E.	W.	18	
26.16½	26.20½	W.	S.E.		12
27. 8	27. 8½	S.E.	E.N.E.		6
27. 9	27.13	E.N.E.	W.S.W.	16	
27.14½	27.17½	W.S.W.	E.S.E.		12
28. 7½	28. 8	E.S.E.	E.N.E.		4
30. 8	30. 8½	E.N.E.	N.N.E.		4
30.11½	30.18	N.N.E.	S.S.W.	48	
30.20	30.20½	S.S.W.	S.E.		6
December.					
1. 5½	1. 8	S.E.	E.		4
4. 9	4.10	E.	E.N.E.		2
4.18½	5. 3	E.N.E.	E.S.E.	4	
5. 6½	5.13	E.S.E.	N.N.E.		8
5.13½	5.16	N.N.E.	W.	22	
6. 2	6. 2¾	W.	S.S.E.		10
6. 7½	6.13	S.S.E.	W.S.W.		24
6.14	6.16¾	W.S.W.	N.N.W.	8	
6.17½	6.18½	N.N.W.	S.E.		18
7. 9½	7.12½	S.E.	W.S.W.	10	
7.17½	7.18¾	W.S.W.	E.N.E.		16
8. 8	8.13½	E.N.E.	N.N.E.		4
8.13¾	8.20½	N.N.E.	E.S.E.	8	
9. 7½	9. 8½	E.S.E.	E.N.E.		4
16. 7	16.15½	E.N.E.	N.		6
16.16½	17. 0½	N.	E.	8	
17. 8	17.21½	E.	E.S.E.		30
17.22½	17.23	E.S.E.	S.S.W.	8	
18. 2	18. 4	S.S.W.	S.E.		6
19. 7	19.12	S.E.	E.N.E.		6
24. 7	24.13	E.N.E.	N.N.W.		8
24.16	24.16½	N.N.W.	S.S.E.		16
25. 6	25.15	S.S.E.	N.W.		18
25.15½	25.17½	N.W.	E.N.E.	10	
27. 6¾	27.13½	E.N.E.	N.N.E.		4
27.17	27.23¼	N.N.E.	E.N.E.	4	
28. 7¼	28.13½	E.N.E.	S.		22
28.13¾	28.21	S.	E.	24	
29. 9½	29.13	E.	S.W.		20
30. 1½	30. 9½	S.W.	E.N.E.		14
31. 7½	31.13½	E.N.E.	N.		6
31.14	31.14¼	N.	S.E.	12	
31.14½	31.16	S.E.	N.N.E.		42
31.16½	31.17¼	N.N.E.	S.S.E.	12	
31.17½	31.21	S.S.E.	N.E.		10
31.21¼	31.23½	N.E.	S.E.	8	

* Whirlwind passed over the Observatory from W.S.W. to E.N.E.

ACTINOMETRIC OBSERVATIONS made at the ROYAL ALFRED OBSERVATORY, MAURITIUS, in the YEAR 1904.

Mauritius Civil Time, 1904.				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	16	11	44	·9734	0·9995	·839	2	59
	18	9	29	·9618	1·2579	·851	2	50
	19	10	21	·9745	1·1019	·855	1	56
	29	9	25	·9534	1·2781	·841	2	65
	30	9	17	·9421	1·3248	·829	2	67
February	3	9	28	·9596	1·2897	·851	2	57
	3	12	15	·9852	0·9946	·861	2	50
	3	15	13	·9563	1·3477	·852	2	54
	27	12	15	·9690	1·0094	·832	1	67
March	3	12	12	·9777	1·0176	·850	1	56
	4	9	28	·9447	1·3308	·834	1	61
	4	12	12	·9859	1·0196	·866	1	56
	4	14	46	·9510	1·2905	·838	1	54
	5	9	27	·9436	1·3395	·833	1	63
	5	12	8	·9741	1·0216	·843	1	58
	7	9	24	·9630	1·3574	·853	1	58
	8	9	25	·9684	1·3576	·871	1	57
	8	12	11	·9838	1·0292	·863	1	54
	8	14	55	·9558	1·3544	·853	1	54
	9	9	21	·9541	1·3827	·853	2	64
	26	9	15	·9412	1·4615	·843	1	77
	31	12	18	·9745	1·0924	·854	1	57
	31	14	49	·9340	1·4614	·833	1	59
April	2	9	18	·9547	1·4821	·863	1	67
	6	9	33	·9465	1·4160	·845	2	66
	7	9	20	·9432	1·4842	·848	2	70
	13	11	16	·9786	1·1564	·868	1	62
	13	14	49	·9574	1·5609	·873	1	52
	19	9	22	·9472	1·5478	·859	2	65
	20	9	19	·9591	1·5631	·875	1	54
	25	11	50	·9501	1·1945	·825	2	63
May	2	9	14	·9340	1·6568	·851	2	77
	2	12	14	·9604	1·2245	·845	1	72
	3	12	11	·9661	1·2306	·855	1	65
	11	8	28	·9008	2·2483	·858	1	82
	11	15	46	·8776	2·6105	·859	1	73
	12	8	28	·9002	2·2383	·858	1	86
	13	8	29	·9211	2·2553	·877	1	82
	14	8	23	·9208	2·3611	·882	1	80
	14	11	46	·9619	1·2766	·853	1	65
	16	8	30	·9157	2·2523	·872	1	80
	16	11	45	·9723	1·2985	·872	1	59
	17	12	17	·9570	1·2956	·848	2	65
	17	15	44	·8502	2·7088	·844	1	66
	19	8	28	·8567	2·3109	·825	4	76
	20	11	49	·9481	1·2993	·835	2	68
	25	8	25	·8882	2·4000	·856	4	67
	25	11	50	·9666	1·3176	·865	1	60
	26	8	29	·8957	2·3686	·861	1	73
	26	12	0	·9555	1·3238	·849	2	66
	31	15	52	·8258	3·0768	·846	2	59
June	4	8	23	·8854	2·5850	·864	1	76
	4	12	11	·9755	1·3641	·882	1	55
	6	8	25	·8599	2·5745	·844	2	73
	6	12	19	·9559	1·3696	·854	2	60
	8	8	30	·8558	2·5092	·837	3	70
	9	15	50	·8302	3·0520	·847	1	62
	10	11	57	·9662	1·3717	·869	1	59
	11	8	28	·8983	2·6186	·875	1	76
	11	11	57	·9706	1·3723	·876	1	56
	13	12	1	·9731	1·3715	·879	1	60
June	15	11	51	·9523	1·3772	·850	2	56
	15	15	45	·8254	2·9093	·837	2	66
	20	8	22	·8672	2·7457	·858	1	80
	20	11	52	·9420	1·3829	·836	2	60
	21	8	24	·8356	2·7375	·835	4	66
	21	12	12	·9327	1·3861	·823	3	52
	29	8	29	·8526	2·6281	·841	1	79
	30	8	25	·8842	2·7297	·870	2	74
	30	11	59	·9653	1·3757	·868	1	52
July	8	8	26	·8437	2·7377	·841	1	76
	9	12	14	·9479	1·3597	·842	1	53
	12	8	29	·8876	2·6168	·867	1	76
	21	8	24	·8842	2·6189	·865	1	79
	21	12	12	·9666	1·3153	·865	1	62
	22	8	23	·8876	2·6600	·869	1	85
	25	8	26	·9017	2·5300	·874	1	69
	29	8	29	·8631	2·2477	·826	2	64
	29	12	14	·9466	1·2868	·832	2	53
August	8	8	27	·8944	2·3449	·859	1	80
	10	12	8	·9654	1·2345	·854	1	60
	12	8	26	·8425	2·2909	·811	4	74
	18	15	38	·9096	2·1530	·861	1	51
	20	8	22	·8891	2·2244	·847	2	72
	20	12	15	·9662	1·1908	·851	1	59
	29	8	26	·9108	2·0113	·853	1	64
	30	8	24	·9123	2·0162	·845	2	67
	30	12	18	·9756	1·1518	·863	1	48
September	1	12	0	·9756	1·1406	·861	1	43
	8	8	36	9242	1·7781	·850	1	72
	13	13	18	·9809	1·1680	·874	1	45
	13	15	45	·9113	2·0408	·855	1	48
	20	8	26	·9276	1·7786	·854	1	57
	26	8	21	·9423	1·7444	·868	1	58
	27	11	57	·9625	1·0572	·827	2	45
	29	11	58	·9606	1·0516	·823	2	49
October	14	13	16	·9710	1·0989	·848	2	46
	18	14	5	·9508	1·2171	·829	1	44
	20	11	52	·9634	1·0120	·822	1	44
	25	13	25	·9590	1·0992	·825	1	52
	27	11	57	·9622	1·0056	·818	2	59
	29	11	48	·9724	1·0035	·837	2	55
November	7	12	12	·9727	1·0084	·839	1	49
	11	12	23	·9800	1·0115	·853	2	46
	15	8	32	·9186	1·4182	·808	2	42
	17	11	50	·9757	0·9988	·843	1	43
	17	15	20	·9172	1·5640	·822	1	48
	18	12	17	·9687	1·0067	·831	1	39
	19	12	25	·9748	1·0119	·843	1	51
	23	12	27	·9714	1·0097	·836	2	52
	24	11	58	·9758	0·9974	·843	1	47
	26	8	34	·9469	1·4103	·843	4	49
	26	11	55	9857	0·9963	·862	1	42
	28	11	47	·9788	0·9975	·849	1	45
December	5	11	47	·9666	0·9945	·825	1	44
	6	8	30	·9377	1·4495	·837	1	44
	6	12	22	·9737	1·0012	·840	1	46
	6	13	48	·9535	1·1195	·831	1	47
	22	11	53	·9728	0·9984	·838	1	49
	22	15	31	·9291	1·5227	·833	1	52
	30	12	14	·9880	0·9983	·867	1	51

In the column headed "Aspect of Sky," 1 indicates deep blue, 2 blue, 3 light blue, and 4 slight haze.

APPROXIMATE ALTITUDES of RAINFALL STATIONS and the NAMES of OBSERVERS.

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

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1904.

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

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1904—*continued.*

Reference Number of Station.	September.		October.		November		December.		Total Rainfall in 1904.		Average Annual Rainfall.		Number of Years Employed		Greatest Daily Rainfall in the Year 1904.	
	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	0·34	3	1·47	5	0·55	2	1·97	7	34·05	84	36·07	84	2	2	2·60	April 30
2	0·74	..	2·01	..	0·26	..	2·29	..	44·80	..	57·69	124	9	8	..	..
3	1·03	..	1·71	..	0·37	..	1·91	..	39·11	..	51·72	118	18	17	..	..
4	0·71	..	1·01	..	0·16	..	1·25	..	33·85	..	48·50	129	36	35	..	..
5	0·98	10	2·55	10	0·63	10	5·35	13	57·90	198	57·90	198	1	1	3·81	April 29
6	1·26	8	1·12	5	0·15	2	3·08	9	35·42	138	48·66	138	12	12	2·50	March 20
7	0·10	1	0·65	4	0·33	4	2·15	8	31·97	79	61·50	130	42	43	2·90	March 21
8	0·91	2	0·57	3	0·51	3	3·21	7	48·80	87	60·37	101	4	4	3·78	March 22
9	0·91	6	1·05	8	0·43	7	3·10	9	45·71	142	75·51	144	24	24	3·43	March 1
10	0·80	8	1·25	6	1·29	8	4·37	10	61·56	140	68·68	142	4	4	4·00	March 1
11	0·39	2	1·20	4	0·50	3	6·58	8	65·78	122	66·96	165	14	12	4·94	March 1
12	1·15	6	2·07	7	0·58	5	6·21	13	66·80	152	72·71	163	22	22	6·66	April 30
13	0·98	5	0·55	4	0·86	1	4·15	6	38·02	99	49·26	111	19	16	2·68	March 21
14	1·04	15	0·93	13	1·38	10	4·06	16	43·11	210	47·62	200	30	30	4·85	March 21
15	1·10	14	0·91	6	0·60	7	2·38	12	48·17	199	62·01	170	37	37	6·46	March 21
16	1·62	8	1·40	8	0·65	3	7·65	10	67·91	144	71·35	155	24	23	4·10	April 29
17	1·65	5	1·90	5	0·85	3	9·49	8	76·03	120	76·95	131	12	12	5·29	April 29
18	0·60	2	0·40	1	1·10	2	4·92	4	41·60	34	36·55	70	9	9	6·70	May 9
19	1·85	7	3·85	7	0·70	4	5·34	9	70·89	134	63·33	152	19	9	4·00	April 30
20	1·26	5	1·89	11	1·18	7	4·66	9	64·74	155	72·32	179	28	28	3·73	March 22
21	1·05	6	4·04	6	1·23	7	2·90	8	47·64	143	51·93	116	15	4	3·20	March 21
22	5·30	5	4·91	7	1·57	5	11·21	13	129·45	137	128·99	198	21	17	4·91	March 20
23	1·51	9	4·65	15	0·82	13	3·56	14	70·52	197	67·67	176	8	8	5·74	March 17
24	2·50	7	4·10	11	1·20	8	4·97	12	89·72	175	101·26	197	23	20	5·70	March 22
25	1·93	19	1·89	17	0·49	18	4·62	13	55·55	246	55·11	223	5	5	7·12	May 9
26	2·24	21	1·98	11	0·81	15	8·55	14	65·15	234	66·36	256	18	18	7·25	May 9
27	1·32	5	2·26	11	0·44	5	6·73	9	66·18	118	79·48	192	30	30	7·80	May 9
28	1·48	5	1·67	5	1·44	5	7·32	5	61·90	104	65·06	173	21	21	8·00	May 9
29	..	..	..	..	..	..	..	..	..	..	74·23	245	11	11	7·60	March 22
30	2·12	15	4·40	13	0·95	15	7·61	20	103·47	241	126·12	253	32	29	11·80	May 8
31	1·53	13	1·70	10	0·28	7	4·36	7	48·07	170	57·22	187	18	17	5·24	March 22
32	1·68	12	1·43	11	0·12	5	4·47	9	43·54	155	47·67	168	8	8	4·47	March 22
33	1·70	10	1·21	9	1·50	4	3·36	7	45·17	143	47·13	140	8	8	4·74	March 21
34	1·50	5	1·37	4	1·60	4	3·66	6	51·40	93	62·80	184	38	36	5·78	March 22
35	*1·94	8	0·69	6	0·32	2	4·23	5	42·24	105	54·15	135	7	7	6·50	March 22
36	1·75	15	1·64	15	0·58	14	6·82	13	..	..	..	..	..	..	..	..
37	2·34	14	*2·05	19	*0·92	16	5·93	9	68·82	208	84·17	226	4	4	7·20	March 22
38	2·93	15	2·30	13	1·29	13	6·61	9	77·56	202	87·28	227	27	27	6·37	March 22

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1904—*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	6·45	11	4·93	10	20·99	15	8·57	28	8·90	18	5·02	25	9·08	26	3·02	28
40	6·57	23	8·11	25	17·99	22	12·02	26	11·15	19	6·79	23	9·20	20	4·77	25
41	6·53	22	7·45	21	24·96	24	14·29	26	14·20	15	8·05	20	11·99	17	5·96	18
42	1·10	5	5·49	13	11·73	10	3·47	8	3·17	5	2·43	2	1·11	3	0·46	3
43	10·09	25	9·14	25	35·24	26	15·87	25	10·16	17	8·49	18	9·22	20	4·64	19
44	15·07	..	13·93	..	31·83	..	15·89	..	15·61	..	9·91	..	8·85	16	3·49	16
45	6·33	17	8·43	18	26·69	22	9·41	19	11·42	18	5·15	13	4·54	16	2·33	11
46	7·76	19	9·19	21	25·28	21	13·23	25	9·70	16	5·03	15	5·56	16	2·68	11
47	8·74	23	9·63	20	22·94	24	14·52	28	11·34	17	8·74	20	8·91	20	3·59	17
48	7·05	12	9·91	16	19·32	14	11·46	18	7·50	14	6·97	14	7·09	14	3·52	15
49	5·18	20	5·08	18	11·88	18	6·47	24	5·86	17	3·16	22	5·35	20	1·94	14
50	7·83	13	8·82	17	25·59	21	11·73	25	7·82	15	5·94	20	6·95	16	2·65	16
51	4·17	..	5·85	..	15·52	..	8·86	..	4·84	..	2·86	..	5·55	..	1·19	..
52	7·23	23	5·91	23	27·04	22	11·29	24	7·94	17	5·61	20	7·66	20	3·21	14
53	8·02	16	9·45	17	27·45	21	18·48	25	11·49	15	8·39	16	8·86	15	3·53	12
54	11·35	17	8·16	15	22·74	17	14·62	24	14·92	15	5·49	14	10·86	14	2·95	10
55	6·26	20	4·28	20	25·45	21	9·54	22	7·13	15	4·20	16	6·11	17	2·18	13
56	5·83	14	3·36	12	25·28	17	7·97	19	5·87	17	3·91	16	4·98	18	1·47	13
57	6·77	21	4·73	18	23·59	17	9·12	22	6·27	14	4·34	15	5·54	15	1·84	12
58	7·45	12	4·93	10	15·10	12	7·42	22	8·99	15	4·91	15	4·43	8	1·87	9
59	5·12	14	2·98	8	14·47	10	7·19	18	4·04	9	3·20	13	3·09	8	0·91	6

The mean rainfall at 57 stations during the year 1904 was 68·22 ins., against an average of 75·42 ins.

RAINFALL at VARIOUS STATIONS in MAURITIUS during the YEAR 1904—*concluded.*

Reference Number of Station.	September.		October.		November.		December.		Total Rainfall in 1904.		Average Annual Rainfall.		Number of Years Employed		Greatest Daily Rainfall in the Year 1904.	
	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	2·84	18	2·46	24	1·25	19	6·51	24	80·02	246	86·01	246	4	4	7·65	March 22
40	5·98	19	2·45	18	1·90	13	3·23	15	90·16	248	123·73	272	21	21	7·24	March 22
41	5·88	15	3·63	15	3·44	11	6·77	16	113·15	220	139·73	246	16	16	5·25	March 22
42	0·11	1	0·61	5	1·11	2	1·81	4	32·60	61	32·02	78	11	11	3·50	March 20
43	5·79	16	2·85	9	3·25	8	5·71	14	120·45	222	143·27	240	41	41	11·53	March 22
44	5·10	13	3·78	14	2·75	10	10·31	16	136·52	..	133·78	236	24	3	..	..
45	2·16	10	4·99	9	1·80	8	7·40	13	90·65	174	90·32	183	24	24	8·65	March 17
46	2·76	11	5·25	14	1·82	7	5·13	11	93·39	187	89·35	235	27	13	7·65	March 22
47	5·20	15	4·49	13	0·94	9	10·56	18	109·60	224	120·87	232	11	11	8·09	March 21
48	2·72	8	2·37	4	3·63	5	7·13	13	88·67	147	104·50	220	23	20	7·00	March 17
49	1·27	10	2·82	10	1·14	6	3·57	13	53·72	192	63·10	203	40	39	4·25	March 22
50	2·94	10	2·10	6	2·87	6	6·06	9	91·30	174	96·19	199	41	41	9·62	March 17
51	1·53	..	3·89	..	1·63	..	4·87	..	60·76	..	60·76	..	1	..	..	..
52	1·81	10	2·65	16	3·56	9	6·23	15	90·14	213	92·66	193	33	33	11·02	March 17
53	2·69	8	7·78	10	2·04	6	6·86	8	115·04	169	102·35	190	8	8	11·70	March 16
54	2·99	8	4·04	5	1·38	4	6·66	11	106·16	154	98·21	175	19	7	10·53	March 16
55	1·53	9	1·76	10	2·49	6	4·67	11	75·60	180	69·16	182	19	18	9·98	March 17
56	1·57	7	1·13	8	2·27	4	4·03	11	67·67	156	69·69	161	13	12	11·26	March 17
57	1·39	8	3·85	10	1·40	4	5·28	7	74·12	163	80·88	213	37	37	10·02	March 16
58	1·54	6	3·09	5	1·60	2	3·73	7	65·06	123	75·79	154	36	36	7·10	March 21
59	0·25	2	2·73	6	1·80	4	5·41	8	51·19	106	58·69	130	16	15	7·15	March 16

APPENDIX.

LIST OF EARTHQUAKES RECORDED BY THE MILNE SEISMOGRAPH DURING THE YEAR 1904.

(The Results of Observations of Earth Tilts given in previous Volumes are not published in the present Volume, as it has been found that the Records are affected by a Lamp used at Night to check Tremors.)

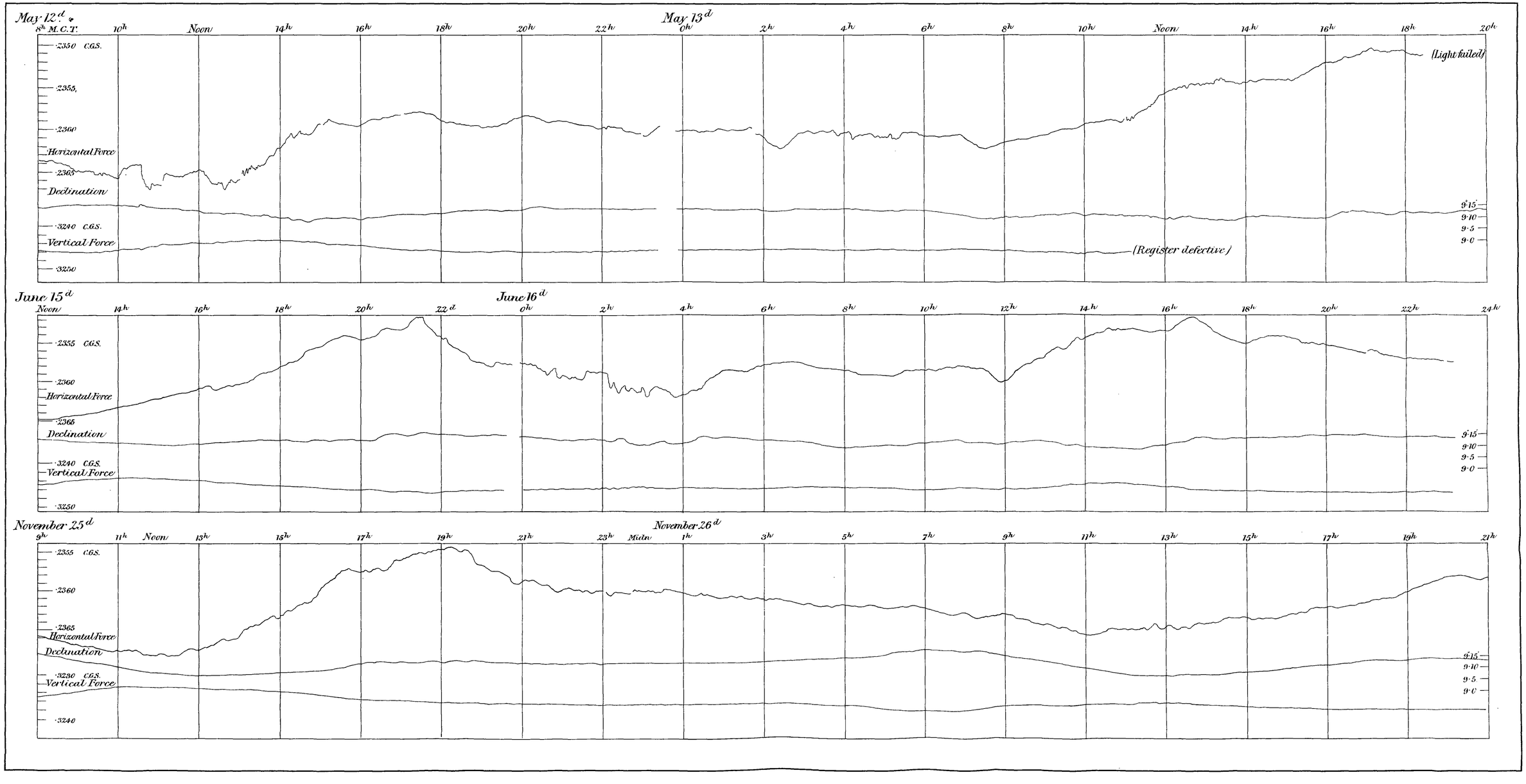
LIST of EARTHQUAKES recorded by the MILNE SEISMOGRAPH at the ROYAL ALFRED OBSERVATORY, MAURITIUS, during the YEAR 1904.

Shide Register Number.	Mauritius Register Number.	1904. Date.	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. In Arc.	Remarks.
		d	h m	h m	h m	h m			″	
805	429	Jan. 10	3.13·0	3.39·6	3.47·1	3.48·6	3.56·6	..	..	Thickening of trace.
						3.53·6		..	..	
806	430	„ 20	15.15·4	15.55·4	16. 9·4	16.16·4	17.20	0·85	0·34	
807	431	„ 29	0.32·8	..	..	0.33·3	1. 5	0·25	0·10	
..	432	„ 29	3¾	..	..	5.49	6¼	..	..	Frequent irregular thickenings of trace.
810	433	Feb. 4	21.10	..	..	21.11·7	21.13·7	..	..	Isolated; followed by occasional thickenings of trace.
		„ 4		21.57·7	22. 3·7	22.14·7	23. 4·7	0·4	0·13	
..	434	„ 9	8.47	..	..	..	8.55	..	..	
832	435	March 31	2.38·7	2.40·7	2.45·7	2.48·2	3.31·7	0·5	0·27	
833	436	„ 31	6. 9·7	..	6.16·7	6.18·7	6.31·7	0·4	0·33	
834	437	April 4	10.24·3	10.36·3	10.58·8	11.12·3	..	1·0	0·30	Register faint.
835	438	„ 5	10.36·9	10.53·4	11. 0·9	11. 3·4	11.27	0·3	0·09	
837	439	„ 11	14.42·8	..	14.50·8	14.55·3	15.15·8	0·3	0·09	
841	440	„ 24	7.12·3	..	7.22·8	7.26·8	..	0·4	0·12	
..	441	„ 26	10.11·9	..	..	..	10.22·9	..	..	Frequent irregular thickenings of trace.
845	442	May 1	7.21·4	..	7.28·4	7.29·4	8. 3·4	..	..	
847	443	„ 1	15.50·4	..	16. 5·4	16.16·9	16.51·4	1·0	0·30	
848	444	„ 2	0. 8·8	..	..	..	0.15·8	..	..	Several slight thickenings of trace.
..	445	„ 2	10.58·8	..	11. 1·8	11. 3·8	11.15·3	0·6	0·18	
..	446	„ 15	22.15·0	..	..	22.16·5	22.20·0	..	..	Isolated thickening of trace.
..	447	„ 19	16.27·9	..	..	16.30·9	16.35·9	..	..	„ „ „
854	448	„ 21	11.13·1	..	..	..	11.17·4	..	..	Very slight thickening of trace.
..	449	„ 26	4. 2·1	..	..	4. 7·1	4.19·1	0·3	0·09	Possibly air tremors.
..	450	„ 29	0. 8·7	..	0.14·7	0.19·7	0.30·2	0·8	0·24	Tremors for several hours afterwards.
..	451	„ 31	3.41·2	..	..	3.47·7	4. 0·2	0·3	0·09	Isolated thickening of trace.
859	452	June 25	15.12·5	..	..	15.16·0	15.20·5	..	..	Isolated; followed by occasional thickenings of trace.
		„ 25	..	15.35·5	15.46·0	15.54·5	17.35·5	2·0	0·60	
860	453	„ 25	21.21·1	..	22. 0·1	22. 9·6	23.41·1	..	..	
..	454	„ 26	2¼	..	..	..	3¼	..	..	Occasional thickenings of trace.
863	455	„ 27	0.28·2	..	1.11·7	1.38·2	4. 5·2	0·7	0·21	
870	456	July 23	0.56·1	..	1.16·1	1.19·6	1.39·6	..	..	
871	457	„ 23	..	..	..	16. 9·1	..	..	..	Register faint.
..	458	„ 25	1.58·6	..	..	2. 1·1	2. 5·1	0·5	0.15	Active air tremors commenced at $2\frac{1}{2}^{h}$.
873?	459	„ 27	5.57·6	..	..	..	6. 3·6	..	..	Very slight thickening of trace.
874	460	„ 27	16.44·6	..	..	16.49·6	17. 7·6	..	..	„ „ „

LIST of EARTHQUAKES recorded by the MILNE SEISMOGRAPH at the ROYAL ALFRED OBSERVATORY, MAURITIUS, during the YEAR 1904—*continued.*

Shide Register Number.	Mauritius Register Number.	1904. Date.	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. In Arc.	Remarks.
		d	h m	h m	h m	h m	h m		″	
..	461	Aug. 3	11.12	..	..	11.13·3	11.29·8	..	..	Irregular tremors. Clock error uncertain.
..	462	„ 3	12.37	..	..	12.45·3	13. 3·8	..	..	
877	463	„ 8–9	23.22·4	..	..	23.52·9	0. 4·9	..	..	Frequent thickenings of trace.
878	464	„ 11	6.43·3	..	..	..	7.26·3	..	..	„ „ „
..	465	„ 14	0.25·9	..	..	3.21·9	5.15·9	..	..	Active air tremors; some movements look seismic.
..	466	„ 18	2½	..	..	..	5½	..	..	„ „ „ „
..	467	„ 18–19	22.20	..	..	..	5.10	..	..	„ „ „ „
..	468	„ 23	13.20·5	..	..	..	13.25·5	..	..	Irregular thickenings of trace.
884	469	„ 24	20.36·3	21.23·8	21.45·3	23.0 ·8	23.25·3	0·9	0·27	
..	470	„ 25	0.0	..	..	..	6. 0	..	..	Active air tremors.
..	471	„ 27–28	22.0	..	..	..	5. 0	..	..	„ „ „
886	472	„ 30	12.2 ·5	12.13·5	12.16·5	12.23·5	12.51·5	0.8	0·24	
889	473	Sept. 11	4. 7·8	..	..	5.13·8	5.27·8	0·4	0·09	
		„ 11	6.15·8	6.18·8	6.21·8	6.24·8	6.53·8	0·4	0·09	
890	474	„ 13	18. 3·1	..	..	18.12·1	18.16·1	..	..	Isolated thickening of trace.
..	475	„ 16	13.39·8	..	..	13.44·8	13.46·8	..	..	„ „ „
892	476	„ 19	5.50·1	..	..	6. 1·0	6.31·6	..	..	Frequent thickenings of trace.
		„ 19	6.54·1	..	..	7.18·6	7.37·6	..	..	„ „ „
..	477	„ 25	15.30	..	..	..	16. 0	..	..	Frequent slight thickenings of trace.
..	478	„ 27	1. 0	..	..	..	4. 0	..	..	„ „ „ „
..	479	Oct. 2	2.52	..	..	..	3.42	..	..	
900	480	„ 3	..	3.15·2	3.16·7	3.19·7	5. 1·7	2·0	0·46	Register faint.
901	481	„ 4	2.43·8	2.51·3	3.15·8	3.17·8	4.19·8	..	..	
903	482	„ 8	17.1 ·1	..	..	17. 4·1	17. 7·1	..	..	
906	483	„ 11	6.23·9	..	..	..	7. 4·9	..	..	Frequent slight thickenings of trace.
..	484	„ 16	1.15·5	..	..	..	1.23·5	..	..	„ „ „ „
..	485	„ 25	10.42·3	..	..	..	11. 1·3	..	..	„ „ „ „
911	486	„ 28	14.7 ·8	..	14.16·8	14.19·3	14.48·3	2·2	0·51	Beginning of disturbance abrupt.
..	487	„ 31	21.0 ·8	..	..	..	21. 6·3	..	..	Frequent slight thickenings of trace.
..	488	Nov. 3	8¼	..	..	10. 1·8	12¼	..	..	Frequent air tremors; movement at time of max. looks seismic.
..	489	„ 5	7·57	..	..		8. 7	..	..	Frequent very slight thickenings of trace.
919	490	„ 6	0.10	..	..		2.10	..	..	Moderate air tremors } Possibly masked seismic movement.
		„ 6	2¾	..	..	..	8½	..	..	Active air tremors } Possibly masked seismic movement.
..	491	„ 8	6¼	..	..	7·33·2	9¼	..	..	Frequent thickenings of trace.
..	492	„ 20	20¼	..	..	..	3¾	..	..	Active air tremors.
		„ 21	4. 0·8	..	4. 3·8	4.10·3	4.36·3	1·0	0·26	
..	493	„ 23	16.49·8	..	16.51·8	16.54·8	17. 6·8	1·0	0·26	
924	494	Dec. 1	20¼	..	..	..	3¾	..	..	Active air tremors.
		„ 2	3·35·5	..	3.44·0	3.46·5	3·58·5	0·7	0 22	
925	495	„ 4	3.51·6	..	..	3.54·1	3.59·1	0·4	0·13	In North–South only; barely perceptible in East–West.
		„ 4	4.40	..	..	4.44·1	4.48·1	0·6	0·19	
		„ 4	10.36·6	..	10.39·1	10.40·6	10.44·6	0·5	0·16	
937	496	„ 19	..	..	..	17.25·8	..	0·7	0·22	Masked by air tremors.
938	497	„ 20	5.43·8	..	..	5.46·8	5.48·8	..	..	Isolated thickening of trace.
		„ 20	6.3 ·8	6.18·3	6.22·8	6.24·8	..	0.5	0·16	
..	..	„ 20	..	6.48·8	6.56·8	7. 0·8	..	2·5	0·80	
939	498	„ 23	15.40·8	..	..	16.12·3	16.20·8	..	..	Frequent thickenings of trace.
940	499	„ 25	18¼	..	..	..	19¾	..	..	„ „ „
941	500	„ 28	17¼	..	..	..	19¾	..	..	„ „ „

Magnetic Disturbances Recorded at The Royal Alfred Observatory, Mauritius, During the Year 1904.



P 4963.