SUPPLIED FOR THE PUBLIC SERVICE.

RESULTS OF THE MAGNETIC & METEOROLOGICAL OBSERVATIONS

MADE AT THE ABINGER MAGNETIC STATION, SURREY
AND THE ROYAL OBSERVATORY, GREENWICH
RESPECTIVELY IN THE YEAR

1936

UNDER THE DIRECTION OF

H. SPENCER JONES, Sc.D., F.R.S.

ASTRONOMER ROYAL

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THE ROYAL OBSERVATORY, GREENWICH

AND

ABINGER MAGNETIC STATION, SURREY.

MAGNETIC AND METEOROLOGICAL OBSERVATIONS, 1936.

Introduction.

During the year 1936 the staff employed in the Magnetic and Meteorological Department of the Royal Observatory consisted of W. M. Witchell, Superintendent, W. Stevens, G. F. Wells, P. L. Rickerby, Miss Clack, W. J. H. Dennis and F. E. Deeks.

On account of electric railways in the neighbourhood of Greenwich, magnetic observations are made at an out-station about six miles from the town of Dorking in Surrey, and one and a half miles from the village of Abinger Common. Mr. Stevens, resident observer and assistant-in-charge of the station, is assisted by Mr. Rickerby.

The Magnetic Station at Abinger, near Dorking, Surrey.

The Station was established in 1924 on a site on the northern slope of Leith Hill, 800 feet above sea level. It is approximately 26 miles from the Royal Observatory in a direction a little south of south-west. The nearest railway track approaches to about $2\frac{1}{2}$ miles. The adopted geographical position is Latitude 51° 11′ 5·2″ N., Longitude 0° 23′ 12·1″ W

General Description of the Buildings and Instruments of the Magnetic Observatory.

The Magnetic Pavilion for absolute observations is constructed of carefully chosen non-magnetic materials, and measures approximately 28 feet by 15 feet. It contains four circular tables stoutly built of hard wood into concrete piers which are free from contact with the floor. On the north pier is mounted the declination instrument, on the central pier the coil magnetometer for observing horizontal intensity, on the

south-east pier the coil-magnetometer for observing vertical intensity, and on the south-west pier the dip inductor.

A smaller pavilion, measuring 16 feet by 12 feet, erected in 1926 for the testing and standardising of magnetic instruments (work formerly carried on at Kew Observatory), is situated about 40 feet south-east of the Magnetic Pavilion, and contains three concrete piers passing through the floor without contact.

The unifilar magnetometer, mounted until August 1928 in the Magnetic Pavilion, is at present used in this pavilion. It has been ascertained by interchange of two coil-magnetometers, simultaneously operated, that as regards horizontal intensity the site difference is negligible.

A second pavilion, 20 feet in length and breadth, suitable for comparative observations and more convenient than the first for standardising magnetic instruments, was completed in 1932. It occupies a position on the north-east of the pavilion for absolute observations corresponding to that of the testing pavilion on the south-east and contains three circular wooden tables built into concrete piers free from contact with the floor, similar to those in the Magnetic Pavilion.

The Magnetograph House stands 50 feet east of the Magnetic Pavilion in which the absolute magnetic observations are made. The recording instruments are situated in an inner chamber 15 feet long, 12 feet wide, and 8 feet high. This chamber is supported on small concrete piers and is surrounded by an outer chamber, whose walls of non-conducting material are nearly 2 feet thick. Between the walls of the two chambers is an air space of from 2 to 3 feet. The inner chamber is electrically heated by about 50 suitably insulated low-temperature non-magnetic metallic resistance strips each consuming 25 watts. The current used is alternating, and is therefore without effect upon the magnetic registration.

A small power-house with storage battery and alternating generator for the supply of electric current required in lighting and heating is situated about 125 yards south of the observation houses.

The temperature of the Magnetograph House is controlled by a thermostat placed in the centre of the room, at the same level as the magnetic instruments. This actuates a relay, which switches the electric current into or out of the heating circuits. The departure from a mean temperature is not more than $0^{\circ}\cdot 2$ C.

The centres of the three instrument piers are situated as follows: For the horizontal intensity instrument, 2 feet west and 2 feet 6 inches south of the north-east angle of the room; for the declination instrument, 5 feet 6 inches west and 5 feet south of the same angle; for the vertical intensity instrument, 2 feet east and 3 feet north of the south-west angle. The two piers which support the recording mechanism occupy the north-west and south-east corners of the room, their longer sides being in the direction at right angles to the meridian. The clocks can be wound and the recording drums inserted or removed through shuttered openings in the wall of the inner chamber. The temperature in the chamber is read daily from a thermometer attached to the horizontal intensity instrument.

The horizontal intensity and declination instruments record on the south-east drum; the vertical intensity instrument on the other drum. Both drums are horizontal and are 10 inches long by $5\frac{1}{2}$ inches in diameter. Their normal period of revolution is 30 hours and the time scale 15 mm. to the hour. The registering beams of light are focussed on the drum by an adjustable cylindrical lens. Two horizontal straight-filament lamps mounted at suitable heights on the north and south walls of the chamber provide the time-registration for the photographic sheets. The lamps are illumined for a period of one second centred at each exact hour of Universal Time, the current being controlled by a relay connected to a mean solar clock in the computing room. The effect is to produce narrow dark hour-lines right across the photographic records.

The error of the clock is observed daily by comparison with a radio time signal from one of the official broadcasting stations. Correction is made by magnetically altering the rate until the observed error has been removed. The error thus seldom exceeds one second.

It should be mentioned that in order to dispense with the necessity of continuously running an alternator in circuit with the storage battery, the illuminating lamps for the recording drums and also the hourly-signal lamps are lit by *direct* current, special care being taken with the return circuit. Experiments have shown that, with the precautions taken, the effect of this current on the variometer records is negligible. Alternating current for heating the chamber or for general illumination is supplied as required, the alternating generator being started and stopped automatically by the thermostat at the same time as the heating circuit is switched in and out. Very considerable saving in running cost is effected by this device.

INSTRUMENTS.

DECLINATION MAGNET FOR ABSOLUTE DETERMINATIONS.—A hollow cylindrical magnet with scale and collimating lens is used in conjunction with a small telescope mounted independently on the same pier. The magnet is suspended by tungsten wire, of diameter 0·02 mm. Frequent reversals are made to eliminate the collimation error of the magnet from the results, and the position of torsional zero of the suspension wire is also frequently checked. 90° of torsion deflects the magnet about 3′ of arc. The telescope has a six-inch circle on which azimuths are read by means of two microscope-micrometers to 1″ of arc. An azimuth-mark is fixed on the top of a concrete pillar, 10 feet high, erected at the northern extremity of the Observatory grounds at a distance of approximately 300 feet from the observing pier. Determinations of the azimuth of this mark have been made at intervals by means of observations of Polaris. During each observation of Polaris, both direct and reflected views are taken. The effect of error of level of the telescope is thus entirely eliminated. Reflection is obtained from the surface of mercury contained in a shallow copper dish.

ABSOLUTE HORIZONTAL INTENSITY INSTRUMENTS.

THE SCHUSTER-SMITH COIL MAGNETOMETER.—This instrument has been lent to the Observatory by the Director of the National Physical Laboratory. It is the second constructed of the type and is rather smaller than the original instrument, a detailed description of which is to be found in *Philosophical Transactions of the Royal Society*, Vol. 223 (1923), pp. 175-200. It is erected on a pier in the centre of the absolute observation pavilion and was brought into use as the standard instrument for observation of horizontal intensity on 1927, February 1. In general, eight independent determinations are made each week-day.

The following is a brief description of the instrument and the method employed in measuring horizontal intensity :—

A hollow marble cylinder of 50 cms. diameter rests, with its axis horizontal, on a brass support which can be turned in azimuth. The azimuth may be read to 10″ of arc from a graduated circle on the base-plate, by the usual vernier attachment. On the periphery of the cylinder, near each end and at a mean distance of 25 cms. from each other, are two windings, in series, of ten turns of bare silver wire, the method of winding the ten loops in a double spiral being that adopted in the original instrument

referred to above. The whole forms a Helmholtz-Gaugain system at the centre of which a very uniform magnetic field parallel to the axis exists when an electric current is passing through the coils.

A chromium-steel magnet, 15 mm. long and 2 mm. square in cross section is supported horizontally in a light vertical aluminium frame; the frame carries also a small concave mirror and a damping vane, and is suspended by a single silk fibre in a suspension tube passing through a hole in the upper surface of the cylinder. A square box with optically-plane glass sides supports the tube and encloses the magnet frame, allowing the mirror to project an image of a source of light during observation. The suspension fibre is adjusted so that the magnet hangs at the centre of the coil system.

To afford an easy means of reading the azimuth of the cylinder and the indications of the magnet, graduated ivorine scales are placed horizontally on stands at a distance of a little over 7 feet from the pier, and spots of light are reflected to them by small concave mirrors in the instrument.

Situated outside the observing pavilion, at the south-west corner, is a storage battery of 25 cells which produces the current required for the observation. The amount of current employed is very accurately adjusted to a specific quantity by rheostat according to the indications of a Broca galvanometer in a potentiometer circuit in which the e.m.f. across a known resistance is balanced against that of a Weston standard cell.

Careful precaution is exercised in arranging the circuits both to eliminate accidental magnetic fields and to secure the highest degree of insulation. The latter has been found, in practice, to be of great importance, especially with regard to the insulation of the galvanometer circuit, as any stray current here will lead to a difference of potential between the terminals of the standard cell and the standard resistance. It is desirable that the resistance of the galvanometer should be as low as possible consistent with sensitivity.

Theory of the observation :—

If a horizontal magnetic field whose intensity is slightly greater than that of the earth is imposed at an angle of nearly 180° with the earth's field, a position angle can be found at which the resultant of the two fields becomes directed at right angles to the earth's field. The intensity F of the imposed field, and its angle α with the

earth's field being known, the horizontal intensity of the earth's field can then be calculated from the simple relation : $H=F \cos \alpha$.

An observation proceeds as follows :—

Torsion having been eliminated from the suspension thread by substituting a copper piece for the magnet, the magnet is replaced and allowed to hang freely in the earth's field. The position, on the appropriate scale, of the spot of light reflected by the magnet-mirror is noted. This scale is normally on the west side of the instrument. By optical methods, reference marks on two other scales placed respectively to the magnetic north and south of the instrument are adjusted accurately to points 90° from the spot reflected by the magnet-mirror. A current is next passed round the coil in the direction that produces a field augmenting that of the earth, and the coil is turned in azimuth until the addition of the imposed field produces no alteration in the direction of the magnet. The axis of the coil is then accurately parallel to the earth's field, and the coil-mirror can be adjusted so that it reflects a spot of light to the reference mark, *i.e.*, to the zero graduation of the north scale, as already set.

The current is now reversed in the coil by a commutator switch and the coil is turned until the resultant force on the magnet is in a direction at right angles to the earth's field. This is indicated on either the north or south scale by the magnet-mirror, which is carried round 90° by the magnet. The azimuth angle through which the coil has been turned is read from the north scale, and the coil is then turned to an approximately equal angle on the opposite side of the magnetic meridian. This reverses the direction of the resultant field ; and a further small adjustment of the coil brings the spot of light reflected by the magnet-mirror accurately to the reference mark on the opposite scale to that last used. A second reading of the azimuth of the coil completes the observation.

The suspension box and tube are turned by the observer as the magnet turns, so that no torsional change is introduced. The effect of any small error in the assumed direction of the earth's horizontal field due, say, to residual torsion on the suspension thread, is eliminated on taking the mean of the two results.

After preliminary details have been gone over, a complete observation of horizontal intensity is readily obtained in two minutes.

The constants of the coil and of the potentiometer at various standard temperatures have been precisely determined at the National Physical Laboratory and

are checked from time to time. The dimensions of the coil were re-examined in November 1931. The electrical constants on which the reduction of observations made in 1936 is based were verified in November 1936. The factor at present adopted to convert the measure of current from international units to C.G.S. units is 0·99997.

If F be the factor of the coil and i be the current passing in ampères, then the intensity of the field at the centre of the coil in γ units is $Fi \times 10^4$. The adopted value of the factor " F " of the coil is 3·59570 (1 — ·0000043 t), t being temperature Centigrade.

The observed value of horizontal intensity obtained from this instrument is subject to a correction of —1γ for the effect of the field of magnets in instruments placed permanently in the vicinity. The effect is determined experimentally by reversal of the magnets. The correction is applied in the reduction of the observation.

A KEW-PATTERN UNIFILAR MAGNETOMETER by Messrs. C. F. Casella & Co. (No. 181) is also used to determine absolute horizontal intensity. Deflection observations are made at three distances, namely, 22·5 cms., 30 cms. and 40 cms. 18 observations of the moment of inertia of the collimator magnet were made during the year 1936. The mean observed value of log. K from these determinations was 2·42367. This value has been used in the reductions and is based on the Greenwich Standard Inertia Cylinder. (See Appendix II of the Magnetic Results, 1926).

The mean values of the distribution constants P and Q derived from 203 normal determinations made during the year are +10·44 and —1857 respectively.

The values used in the reduction of the 1936 observations, however, are the mean values obtained from a series of 235 special observations made during the year. These values are : P = +9·17, Q = —1409.

The method employed in reducing the special series was as follows :—

A deflection observation gives H through the equation $H \sin \alpha = \frac{2m}{r^3}\left(1 + \frac{P}{r^2} + \frac{Q}{r^4} + \cdots\right)$

If deflections, α, are made at several distances, r, and the values of H and m are known from some other source, a direct solution of the equations for P and Q is possible by " least squares." The value of m was determined from the period of vibration and the moment of inertia of the deflecting magnet, in combination with the value of H

as observed by a coil-magnetometer at the time of the vibration experiment. The values of r were 22·5, 25, 30, 35, 40, 45, 50 cms.

In 1936 the deflection at 22·5 cms. has not been used in computing observed values of horizontal intensity.

VERTICAL INTENSITY COIL MAGNETOMETER.—This instrument, designed by the late Dr. W. D. Dye, F.R.S., for direct measurement of vertical intensity, and constructed under his supervision at the National Physical Laboratory, Teddington, has been lent to the Royal Observatory by the Director of the National Physical Laboratory. It is erected on the south-east pier of the observing pavilion, and was adopted as the standard for observation of vertical intensity from 1929 January 1.

A full description of the instrument is published in *Proceedings of the Royal Society*, Ser. A, Vol. 117 (1928), pp. 434–458.

In brief, the instrument consists of a Helmholtz-Gaugain Coil wound on a marble cylinder, the axis of which is vertical as truly as can be determined, together with accessory apparatus for accurately controlling and measuring the current passed through the coil, and for testing the resultant field at its centre.

The observation consists in an adjustment of the current until the artificial field imposed at the centre of the coil exactly annuls the vertical component of the earth's field. The intensity of this component is then easily calculable from a knowledge of the dimensions of the coil and the amount of current indicated by potentiometer measurement. (*cf.* p. D 13).

The adopted value of the factor is $F=3\cdot59643\ (1 - \cdot0000079\ t)$, t being temperature Centigrade.

The constants of the potentiometer in use during the year for the measurement of the current were determined at the National Physical Laboratory in March 1936.

The special feature of the instrument is the means adopted for ascertaining when the vertical component of the earth's field is exactly annulled at the centre of the marble cylinder.

This consists of a diamond-shaped vibrating test-coil about 2 cms. long suspended by bronze strip stretched horizontally between two supports and carrying a light plane mirror. The principle of the instrument requires that the axis of rotation of the detector coil should be horizontal and its plane vertical, in the equilibrium position.

The method of securing these adjustments is included in the full description of the instrument mentioned above.

A weak alternating current, supplied from a generator at some distance from the instrument, passes through the test coil. The reaction between this current and the magnetic field causes the coil to receive an alternating rotatory force which only vanishes when the vertical field is annulled. The resulting vibration is brought to a maximum by adjustment of the generator frequency to synchronism with the natural frequency of the coil (about 15 per second), and high sensitivity is thus obtained. Microscopic vibration is exhibited by projection, from the mirror, of an image of cross wires to a screen erected about 2 metres distant.

ABSOLUTE INCLINATION INSTRUMENT.—An Earth Inductor by The Cambridge Instrument Co., in conjunction with a Broca galvanometer, is used to determine magnetic inclination. About six determinations are made each week. Observations are made in four positions to eliminate any small errors arising from slight asymmetry in the instrument. After the first adjustment, the coil-support is reversed about a horizontal axis and a second adjustment is obtained : the instrument is then reversed in azimuth and two further adjustments are made. The circle for the measurement of inclination is 8 inches in diameter, and is read by means of microscope micrometers to one second of arc. The levels on the base can likewise be read to one second. A detailed description of the inductor will be found in the volume for 1915. Since 1929, January 1, the observations of inclination have not been used for determination of vertical intensity.

THE DECLINATION VARIOMETER.—The magnet is a single short needle of chromium steel, 10 mm. long and 0·4 mm. in diameter. The mirror for reflecting a beam of light on to the recording drum is $2\frac{1}{2}$ mm. square, and is fastened by shellac to a small piece of stout aluminium foil. The foil is shaped above the mirror to form two small V hooks, by which it is hung on to the magnet. A small mica damping vane is fixed to the foil below the mirror, and the needle is rendered aperiodic by adjusting brass damping plates on either side of the vane. Adjustment of the beam of light is made solely by adjusting the position of the illuminating lamp, which has sliding attachment to a vertical wooden pillar capable of being fixed in any desired position in the room.

A very fine quartz filament ·003 mm. in diameter forms the suspension-thread, and the displacement produced by revolving the torsion head 360° is only a fraction of a minute of arc. The distance of the magnet-mirror from the recording cylinder is

such that the geometric scale-value at the centre of the photographic sheet is $0'\cdot610$ per mm. As the beam is not normal to the drum, however, the scale value varies from $0'\cdot605$ at the top of the sheet to $0'\cdot615$ at the bottom. Expressed as magnetic intensity the corresponding mean scale-value would be $3\cdot29\gamma$ per mm. at the present time.

A base-line mirror, with lens, is mounted rigidly on the pier at the side of the variometer and serves to provide a common base line for both declination and horizontal intensity records.

THE HORIZONTAL INTENSITY VARIOMETER.—The general construction of the instrument is in all respects similar to that of the declination variometer. The suspension filament is of quartz $0\cdot012$ mm. diameter. The needle is adjusted to a position at right angles to the magnetic meridian by means of the torsion head in the following manner. Orientation marks have been drawn on the western wall of the room subtending successive degrees of azimuth at the centre of the variometer pier. An ordinary magnetometer distance-bar, securely held beneath the base of the variometer in a wooden frame, is by this means easily set at right angles to the magnetic meridian, and upon it is placed, about 25 cms. from the variometer, the usual carrier with a magnet mounted in position. A relatively strong magnetic field is thus imposed at right angles to that of the earth, and the torsion head is adjusted until the needle of the variometer is negligibly disturbed by the reversal of the imposed field. The magnet is then transferred to an equal distance on the opposite side of the variometer, and the experiment is repeated. Any error due to imperfect correspondence of the centre of the distance-bar with the point of suspension of the variometer needle is eliminated by setting the torsion head to the mean position.

An adjustment of orientation was made on February 13, 1935, by which the needle will be maintained within about 30′ of the correct azimuth until the end of 1942.

The scale value of the variometer is determined from the deflections produced electro-magnetically by passing measured current through a Helmholtz coil of 50 cms. radius which envelopes the instrument. The factor for the coil is determined, absolutely, by using the coil in the same manner to deflect the needle of the declination variometer. The horizontal intensity at the time of the experiment being known, the strength of the field necessary to produce the observed deflection is readily computed.

The adopted scale value was $2\cdot60\gamma$ per mm. throughout the year.

THE QUARTZ-THREAD VERTICAL INTENSITY VARIOMETER.—For a detailed description of the instrument reference may be made to the *Philosophical Magazine*, vol. vii.,

sixth series (1904), p. 393. The base of the instrument consists of a metal casting with uprights at the two ends, carrying attachments for the ends of the quartz fibre which supports the magnet system. By an ingenious arrangement the length of the frame, carrying the horizontal quartz fibre that suspends the magnet system, is defined by quartz tubes. The metal rods composing the sides of the frame pass through these tubes and, by the reaction of stiff springs, press the ends of the frame firmly on to the ends of the quartz tubes. The change in tension of the suspension thread with change of temperature, which would be produced by the difference in the coefficients of expansion of quartz and brass, is avoided by this design. The instrument was carefully adjusted at Greenwich for elimination of other temperature effects, in the manner explained in the description given in the *Philosophical Magazine*, but a small effect has developed since 1927.

The magnet system consists of two magnets, 8 cms. long and 1 mm. in diameter, which are attached by small platinum stirrups to two rods of fused quartz; these are fused to a quartz plate, whose upper surface is optically worked and platinised to form a plane mirror. The quartz rods are drawn out at their other ends into fibres of about 0·08 to 0·10 mm. diameter; one fibre is fused to a coiled quartz spring. The quartz spring and the other fibre are soldered to small brass rods fitting into clamps at the two ends of the metal base. The thread is under sufficient tension to stretch the spring through about two millimetres. A right-angled prism, supported in a frame above the mirror, reflects the light from the illuminating lamp on to the mirror and then, after reflection from the mirror, back in a horizontal direction to the recording drum. A single lens, placed between the mirror and the prism, brings the light to a focus on the drum. The prism frame is adjustable in azimuth to enable the trace to be brought to any desired part of the drum. An adjustable mirror beneath the quartz fibre and adjacent to the mirror of the magnet system serves to give a base line.

The sensitiveness of the instrument is varied by raising or lowering the centre of gravity of the magnet system. Coarse adjustment is obtained by means of small aluminium discs pierced centrally to allow them to rest on a slender vertical quartz pin provided for this purpose at one side of the mirror. To obtain fine adjustment a small vertical screw is fixed at the opposite side of the mirror and a small piece of aluminium can be moved up and down the screw.

The scale value is obtained by electro-magnetic deflections. The radius of the coil used for this purpose is 30·15 cms. The mean of the scale values adopted during the year 1936 was 2·45γ per mm. until May 7; afterwards 2·53γ. Slight deviations from

the mean value occur when the standard temperature of the room is raised or lowered. The value is sensibly uniform over the range allowed by the photographic sheet.

MAGNETIC REDUCTIONS.

The time used is *Universal Time* (U.T.).

The estimated mean ordinates of the photographic traces for each hour are measured from the base-lines by the aid of an etched glass scale, the hour being the period of sixty minutes *commencing* at the time named in the table—and from the tables of these measures are obtained the mean monthly values for each hour of the day, and the mean daily value of the element for each day of the month. The daily mean is taken from the 24 hourly mean ordinates.

Base-line values are adopted from smooth curves drawn through points plotted on a chart, each point representing the mean result from several independent observations.

Ten observations of declination, eight of horizontal intensity and six of vertical intensity are made, on an average, each week-day. Previous to 1929 the base-line values for vertical intensity traces were computed from absolute observations of inclination combined with simultaneous values of horizontal intensity taken from the magnetograms. From 1929 January 1, the values have been obtained directly from observations of vertical intensity with the coil-magnetometer. A discontinuity arises in the definitive values of vertical intensity at the time of changing the method of deriving the base-line value of the magnetograms.

The magnetograph chamber being maintained at a sensibly constant temperature, no temperature corrections are required in general. When the seasonal changes are made in the temperature at which the chamber is maintained, new base-line values are adopted from the hour at which control is observed to be established, and during the period of change interpolated values are applied at hourly intervals.

ARRANGEMENT OF RESULTS.

Tables I to III contain the hourly results for declination, horizontal intensity and vertical intensity respectively.

Table IV gives for each element the mean daily value, the maximum and minimum values with the times of their occurrence, and the daily range.

Then follow in Tables V to VII the monthly and annual mean diurnal inequalities for all days, and for quiet and disturbed days as selected by the International Committee. In addition to monthly and annual values there are also given mean values.

of the diurnal inequalities grouped into the seasonal periods, Winter (that is January, February, November, December), Equinox (March, April, September, October) and Summer (May, June, July, August). The values in these tables have *not* been adjusted for the effect of non-cyclic change.

From the inequalities in declination, horizontal intensity and vertical intensity, corresponding inequalities in the north and west components and in inclination have been computed and appear at the same opening of the page. In general, the computations are carried to one significant figure beyond the actual figure printed.

The extremes of any inequality are indicated by heavy type.

The inequalities in the north, west and vertical components (that is in X,–Y, Z) have been subjected to harmonic analysis, the results being given in Tables VIII and IX. In the case of the International Quiet and Disturbed Days, the inequalities were adjusted for non-cyclic change before analysis, but in analysing the results for "All" Days the non-cyclic change was ignored. The phase angles in Table IX are corrected to refer to Abinger Local Mean Time.

In Table X are given the mean diurnal ranges in declination, horizontal intensity and vertical intensity for each month, for the year and for the seasons. The corresponding results for quiet and disturbed days are also given. The quantities are derived from Tables V to VII.

Table XI gives in similar arrangement the non-cyclic change 24^h minus 0^h. The quantities were computed from Tables I to III, the value for 0^h or 24^h being taken as the mean of the last value on one day and the first on the next.

Table XII contains the mean monthly and annual values of the components collected together. In this table corrections have been applied, when necessary, to the values of H and V taken from Table IV, to remove the effect of any small secular changes in potentiometer constants found at the periodical re-measurement of the constants at the National Physical Laboratory.

Tables XIII to XV contain the daily values of the base lines of the magnetograms deduced from absolute observations of declination, horizontal and vertical intensity.

On p. D 62 is printed a table giving mean annual values of Magnetic Elements determined at the Royal Observatory, Greenwich, over the whole period of observation. Included in the Table are results of observations of declination made in 1818 to 1820. These observations were taken with a Dollond magnet thrice daily from June

1818 to December 1820. As a general rule the times of observation were 8 a.m., noon and 4 p.m., and there were comparatively few intermissions. The results were published in detail in "Astronomical Observations at the Royal Observatory," by John Pond, Astronomer Royal. Corrections for a presumed diurnal inequality have been applied to the monthly means in 1818–19–20 according to the hour of observation, the quantities being derived from years—1909–10–11, respectively,—in a corresponding relation to the cycle of solar activity.

A table follows giving the values determined at the Abinger Station since 1925.

Reduced copies of the magnetograms for certain disturbed days have been printed in each volume since 1882. The days are now those selected at De Bilt for the International Committee. These dates in 1936 are April 17–18, 21–22 ; June 18–19 ; October 16–17 ; November 28–29. Where two days are mentioned together, it is to be understood that the reference is to a series of 24 consecutive hours comprising parts of two consecutive days.

The plates are preceded by a brief descriptive summary of significant magnetic motions (superposed on the ordinary diurnal movement) recorded during the year.

With regard to the plates, on each day three distinct registers are given, viz. : declination, horizontal intensity, and vertical intensity marked D, H and V respectively.

At the foot of each plate, scales, in C.G.S. measure, are given for each of the magnetic registers and a datum line is marked for each trace at the side of the diagrams. Upward motion indicates increase of declination west and increase of intensity in all cases.

H. SPENCER JONES.

ROYAL OBSERVATORY, GREENWICH.
1937 *July* 17.

ROYAL OBSERVATORY, GREENWICH.
ABINGER MAGNETIC STATION.

Results of Magnetic Observations

1936

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT THE ABINGER MAGNETIC STATION.

January. 11° + Tabular Quantities.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	23·1	22·9	23·1	23·2	24·3	23·7	24·0	24·0	24·3	25·1	26·5	27·3	28·2	28·1	27·4	26·2	26·4	26·2	24·2	24·9	24·8	24·1	24·0	24·0
2	23·7	24·0	23·5	23·4	23·7	23·5	23·8	23·3	23·9	24·5	25·8	26·9	27·3	26·7	25·9	25·4	25·8	25·4	25·3	25·3	24·7	24·4	24·3	24·1
3*	23·5	23·3	23·3	23·5	23·6	23·3	23·4	23·3	23·3	24·2	25·3	26·3	26·8	27·3	26·7	26·3	26·3	25·7	25·6	24·7	23·7	24·3	24·3	24·2
4*	22·9	23·4	23·3	23·6	23·6	23·8	24·0	23·5	23·3	24·3	25·4	26·2	26·6	27·0	26·1	25·6	25·7	25·6	25·7	25·3	24·4	24·7	24·1	23·9
5	24·1	23·5	24·1	24·2	24·0	24·3	23·7	23·6	23·7	22·9	23·1	25·1	26·6	27·0	26·6	26·2	26·1	25·5	25·1	24·7	24·1	24·2	24·1	24·1
6*	24·1	23·9	24·0	23·6	23·8	24·1	24·1	23·9	23·5	24·1	25·1	26·0	27·1	28·1	27·7	27·1	26·7	25·9	25·1	24·4	24·0	23·5	23·9	23·8
7*	24·1	24·6	25·2	25·2	24·7	24·3	24·0	23·2	22·4	23·1	24·8	26·2	27·1	27·2	26·8	26·2	25·2	24·9	24·5	24·4	24·0	23·8	23·9	23·6
8**	23·5	24·0	24·4	24·5	24·5	24·0	22·9	23·5	23·3	23·2	24·6	26·0	28·5	28·7	30·4	29·2	27·8	25·9	23·8	24·2	22·8	22·5	22·2	21·9
9	21·8	22·9	24·3	26·8	24·5	24·1	24·6	24·5	24·6	25·5	25·9	26·4	27·4	27·4	27·0	26·0	25·1	25·6	24·4	22·3	17·3	18·4	21·1	22·5
10	22·6	24·9	25·2	25·5	25·3	25·8	25·9	24·7	23·6	24·6	27·4	29·6	29·0	28·6	25·6	26·5	26·4	24·5	16·0	19·1	20·6	22·8	22·9	22·8
11	23·8	24·5	24·4	24·5	24·0	23·7	23·6	23·2	23·3	26·7	26·4	27·5	27·1	27·5	26·0	23·8	24·6	23·2	23·8	24·0	23·5	23·5	23·6	23·7
12	24·1	24·7	22·6	24·6	24·8	24·3	25·6	25·1	25·1	26·7	26·9	28·7	29·1	30·6	28·5	28·1	25·6	24·6	23·1	18·4	18·8	21·3	21·8	23·0
13	23·1	26·2	23·6	21·7	23·5	23·9	24·9	25·5	24·8	24·9	27·0	26·9	28·4	26·4	26·9	25·4	25·0	26·0	20·8	20·9	18·3	21·8	21·6	21·7
14	21·4	22·2	22·2	22·8	23·2	23·7	24·0	23·7	23·7	24·0	25·9	26·1	26·4	26·9	26·8	26·0	25·9	25·0	25·2	25·1	24·3	23·8	19·9	21·8
15	21·2	23·2	23·9	24·7	25·1	24·6	24·3	24·3	24·6	24·2	25·3	25·7	26·5	27·6	26·7	26·2	25·4	23·9	24·6	24·2	24·0	23·9	22·5	22·5
16*	23·2	24·1	24·5	24·9	24·9	24·7	24·6	24·4	23·8	23·3	24·0	25·0	26·4	27·3	26·7	26·4	25·4	24·9	24·4	24·3	23·9	23·8	22·7	21·4
17	23·2	23·2	23·3	24·9	22·9	22·5	23·7	23·6	23·3	23·3	24·3	25·3	26·6	27·2	26·7	26·1	25·3	25·0	24·6	24·5	24·4	24·3	23·8	23·1
18**	24·2	24·5	24·2	25·8	27·2	20·9	21·6	23·2	22·7	24·4	25·8	28·6	29·2	31·2	29·2	28·6	27·6	25·8	22·2	24·9	23·2	23·5	22·5	20·5
19	21·2	21·8	22·2	23·4	23·0	23·2	23·6	24·1	24·2	24·9	25·5	26·2	26·2	28·1	28·0	27·2	26·6	26·0	24·2	19·2	21·6	23·6	24·2	24·2
20	24·2	24·2	24·3	23·9	24·3	24·2	24·0	23·9	23·9	24·7	25·3	26·1	26·4	27·6	27·4	27·4	27·6	28·0	27·4	27·0	21·8	21·4	22·4	22·9
21	22·8	21·4	22·6	22·9	21·5	23·4	23·3	23·4	23·9	24·4	24·3	24·2	25·1	27·6	28·6	27·6	27·1	26·8	26·9	26·9	25·3	22·1	23·0	20·4
22	18·6	19·1	18·9	19·5	20·0	21·6	22·3	23·1	24·6	26·5	27·6	26·8	29·5	30·0	29·2	28·5	29·5	29·6	26·5	27·5	27·3	23·7	21·2	19·6
23	19·9	21·0	21·2	19·8	22·8	24·4	23·4	23·2	25·6	25·5	25·8	26·0	26·9	27·0	26·4	26·6	26·4	25·9	25·4	25·0	24·4	23·9	24·1	23·5
24**	21·6	16·5	19·1	22·2	23·4	23·6	23·4	23·6	24·3	24·6	24·9	25·8	26·6	27·6	27·4	27·4	26·9	28·4	30·0	32·1	24·0	18·9	15·6	17·8
25**	16·5	21·5	23·6	22·8	22·7	21·3	22·7	23·2	24·1	24·5	26·2	27·0	26·8	29·5	30·9	27·3	25·5	25·5	24·1	24·2	23·1	22·9	22·8	21·5
26**	17·3	16·5	19·4	18·9	19·5	21·8	23·5	25·5	25·0	25·8	26·5	29·7	27·4	29·3	27·6	26·1	25·9	24·8	23·9	23·6	23·6	13·6	21·6	23·1
27	22·7	23·6	24·0	21·6	22·7	23·1	22·8	22·1	22·6	22·7	23·6	24·6	25·3	27·8	27·7	27·3	26·3	24·1	24·3	24·1	23·1	22·8	19·9	20·7
28	20·4	21·8	21·6	22·2	20·8	21·7	25·2	23·1	22·9	23·8	24·4	24·7	27·0	25·5	26·3	26·1	24·9	25·3	24·8	24·8	23·0	23·3	23·2	23·1
29	23·2	23·1	23·1	23·4	23·4	23·3	23·1	23·3	24·1	24·7	25·1	25·7	25·4	24·8	24·5	25·2	26·2	25·2	24·2	24·6	20·5	23·2	22·0	20·6
30	21·9	21·4	21·1	22·1	21·2	21·1	23·6	23·1	24·3	25·8	27·0	28·2	27·7	27·1	26·1	24·5	26·4	25·6	25·8	25·0	22·5	21·8	21·4	21·3
31	19·5	18·5	21·1	22·6	22·8	23·0	22·9	22·8	23·4	24·0	25·7	27·0	26·3	26·7	26·5	26·7	25·5	24·5	25·4	24·8	22·1	22·5	22·9	21·9
Mean	22·2	22·6	23·0	23·3	23·4	23·4	23·8	23·7	23·9	24·0	25·5	26·5	27·1	27·7	27·2	26·6	26·2	25·6	24·6	24·3	23·5	22·7	22·5	22·4
Mean*	23·6	23·9	24·1	24·2	24·1	24·0	24·0	23·7	23·3	23·8	24·9	25·9	26·8	27·4	26·8	26·3	25·9	25·4	25·1	24·6	24·0	24·0	23·8	23·4
Mean**	20·6	20·6	22·1	22·8	23·5	22·3	22·8	23·8	23·9	24·5	25·6	27·4	27·7	29·3	29·1	27·7	26·7	26·1	24·8	25·8	23·3	20·3	20·9	21·0

February. 11° + Tabular Quantities.

	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1*	21·6	23·2	22·1	21·9	21·5	21·5	22·0	22·5	23·2	24·0	25·2	25·5	27·0	27·3	27·1	26·1	26·5	26·1	25·5	25·0	23·5	22·8	23·0	23·1
2	23·4	22·5	22·5	22·9	22·5	22·9	22·9	22·4	23·1	23·6	24·9	25·5	27·0	27·3	26·9	27·6	27·6	29·8	29·6	29·5	24·5	23·8	21·9	18·7
3	20·5	19·5	19·5	18·4	18·5	20·1	20·9	21·6	22·5	23·1	23·8	25·4	27·0	26·7	25·4	24·8	24·5	24·6	23·9	23·6	23·8	23·4	23·6	23·6
4	23·7	23·7	24·7	23·6	24·3	23·3	22·4	23·5	25·3	28·5	28·2	28·2	27·6	28·3	26·7	26·6	25·8	25·2	23·7	22·5	23·6	23·2	23·1	23·5
5*	23·3	23·7	23·7	23·0	23·0	23·0	23·3	23·1	22·9	22·8	23·1	24·8	25·7	27·0	26·3	25·4	25·3	24·7	24·4	24·0	23·9	23·7	23·7	22·9
6	23·6	22·3	22·3	23·0	23·6	23·8	23·7	23·7	22·9	22·7	23·0	24·1	24·8	25·1	25·4	25·5	25·2	24·9	25·0	24·6	24·2	23·5	23·0	23·5
7*	23·6	23·9	24·0	24·3	24·1	24·1	24·0	23·6	24·0	23·9	23·9	24·1	23·6	23·3	23·6	24·2	24·3	24·3	23·6	23·6	23·8	23·3	22·7	22·9
8	23·2	23·5	23·7	23·7	23·7	23·4	23·4	23·3	23·2	23·2	24·1	25·2	26·4	26·7	25·7	24·8	24·6	24·4	24·4	24·6	23·1	21·3	23·1	24·1
9	23·9	23·2	22·9	25·3	25·1	23·1	24·0	23·4	23·7	24·4	26·4	27·7	30·0	29·5	27·4	25·4	23·9	21·5	25·2	25·0	22·5	20·9	21·5	23·9
10	22·0	20·8	20·5	22·7	21·8	22·2	22·8	22·8	23·4	24·1	24·2	27·4	27·8	27·0	27·3	27·3	19·8	23·1	23·6	21·8	19·8	17·5	15·0	21·2
11	21·7	24·4	22·7	22·5	23·1	25·5	23·8	23·7	23·1	23·3	25·1	26·3	27·2	27·0	25·4	25·6	25·5	24·0	23·2	23·2	23·6	22·4	22·0	23·1
12	23·0	22·9	23·1	23·4	23·5	23·0	22·7	22·9	22·5	22·5	23·5	24·5	26·2	26·4	26·5	26·0	25·4	25·4	24·1	24·3	23·8	23·1	23·0	23·0
13*	23·0	23·1	23·3	23·4	23·4	23·3	23·5	23·3	23·2	23·3	24·3	25·8	27·0	26·8	26·3	25·4	24·7	24·3	23·8	23·7	23·2	22·7	22·7	22·5
14	22·3	23·0	23·2	23·2	23·3	23·2	22·8	23·2	23·2	23·2	24·0	25·2	25·6	27·1	27·7	28·2	28·1	25·5	24·7	22·7	20·6	22·0	21·8	22·1
15	20·1	21·6	18·5	20·1	21·9	22·1	22·1	22·5	22·7	22·5	23·9	26·4	27·5	26·6	26·2	26·6	24·1	24·1	23·1	23·1	21·6	18·4	18·8	19·1
16**	18·7	20·7	20·5	21·6	22·1	22·5	23·2	23·9	25·1	25·7	25·8	26·0	29·0	29·7	28·3	24·5	26·8	28·6	25·3	27·1	24·8	17·8	19·9	21·3
17**	18·8	18·8	16·5	15·8	17·0	19·1	19·9	20·6	22·9	23·5	25·6	29·3	29·6	32·5	31·4	29·0	26·9	22·4	19·4	16·1	20·5	18·0	18·9	20·1
18	20·6	20·8	21·7	21·5	20·8	21·4	21·5	22·4	23·4	23·8	24·5	25·4	26·5	27·4	26·6	25·4	22·8	21·2	24·1	23·8	22·0	22·0	22·7	22·5
19**	22·1	22·0	20·8	20·3	21·7	22·1	22·2	25·1	24·5	24·0	25·0	27·6	28·4	29·1	28·7	28·4	20·2	24·8	26·0	23·0	16·9	17·5	16·9	18·9
20	20·8	23·8	19·1	21·2	20·5	22·0	22·4	22·3	22·4	22·4	23·5	24·5	26·1	26·2	25·7	24·6	23·1	23·2	23·5	22·6	22·8	20·8	20·6	20·7
21**	20·8	23·7	21·0	20·1	19·4	20·3	22·6	23·8	23·5	24·1	24·5	24·6	28·5	31·1	30·9	29·4	28·7	27·5	20·9	24·1	22·6	17·7	20·8	20·7
22**	20·5	17·1	17·4	16·7	20·9	23·1	22·3	22·5	24·0	25·4	23·5	25·4	27·4	27·3	27·1	26·4	25·1	24·6	23·6	22·9	21·8	15·6	17·6	20·0
23	21·0	22·5	21·5	20·8	20·6	20·9	21·8	22·8	23·1	22·9	23·5	25·2	26·9	28·5	27·1	26·1	25·5	25·8	25·1	20·5	20·6	21·7	22·5	15·3
24	17·6	18·7	19·7	21·5	22·2	22·3	22·6	23·0	23·0	23·2	24·8	27·4	28·5	27·9	26·5	25·5	24·6	24·5	23·9	23·9	22·4	20·5	20·3	20·7
25	21·4	21·4	22·5	21·3	21·3	21·2	21·3	21·2	21·1	21·4	23·2	25·2	28·0	29·7	28·6	26·8	25·3	25·1	24·7	21·3	22·3	21·7	18·9	20·4
26	20·7	19·6	19·6	19·3	18·9	19·8	20·9	21·0	20·5	21·5	23·7	26·6	30·1	32·8	33·5	32·1	28·5	25·9	26·8	21·8	17·8	19·2	20·7	14·5
27	12·1	17·1	18·0	18·0	20·7	20·7	23·3	22·3	21·7	21·2	22·6	26·0	28·5	28·9	29·1	27·8	26·7	24·3	22·5	24·2	22·8	21·4	21·3	19·4
28*	20·6	22·1	22·1	21·2	21·1	21·6	21·6	21·2	20·9	21·2	22·6	25·2	26·2	27·3	26·2	25·6	24·7	24·5	23·8	23·3	22·8	23·1	22·9	22·4
29	22·3	22·0	21·7	22·0	22·0	21·9	21·5	21·5	20·9	21·9	24·5	26·3	29·1	28·1	28·2	27·8	26·1	25·1	25·1	24·1	24·1	23·0	22·8	19·1
Mean	21·3	21·8	21·3	21·5	21·8	22·2	22·5	22·7	23·0	23·4	24·3	25·9	27·4	27·9	27·3	26·5	25·2	24·8	24·2	23·4	22·4	21·1	21·2	21·1
Mean*	22·4	23·2	23·0	23·8	22·6	22·7	22·9	22·7	22·8	23·0	23·8	25·1	25·9	26·3	25·9	25·3	25·1	24·8	24·2	23·9	23·4	23·1	23·0	22·8
Mean**	20·2	20·5	19·2	18·9	20·2	21·4	22·0	23·2	24·0	24·5	24·9	26·6	28·6	29·9	29·3	27·5	25·5	25·6	23·0	22·6	21·3	17·3	18·8	20·2

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT ABINGER—*continued*.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	22·1	22·2	22·8	22·1	21·5	22·7	21·4	20·6	19·9	20·5	22·1	24·4	26·3	26·4	26·4	26·1	25·1	24·8	24·2	23·9	23·4	23·2	23·1	23·0	
2	22·5	22·3	22·3	22·3	22·3	22·3	22·5	21·6	20·1	19·1	20·1	23·3	26·1	27·2	27·1	25·7	24·1	23·6	23·1	23·1	23·3	23·1	21·1	21·1	
3*	22·1	22·5	22·5	22·5	22·5	22·2	22·1	22·1	21·1	20·3	21·4	23·7	25·3	26·0	26·0	25·5	24·4	24·0	23·5	23·4	23·4	23·1	23·1	23·1	
4*	22·5	22·5	22·3	21·8	21·7	21·5	21·6	21·8	20·9	20·2	21·5	23·7	26·2	27·5	27·7	26·7	25·2	24·8	24·3	24·1	23·9	23·4	23·3	23·5	
5	21·3	17·9	18·6	21·3	22·1	21·8	22·1	21·8	20·3	19·6	21·3	24·3	27·1	28·8	28·5	26·8	25·3	24·4	24·1	23·6	23·4	23·0	23·2	23·2	
6	23·0	23·0	23·1	22·9	22·8	22·4	22·5	21·9	20·0	19·4	21·8	26·5	27·9	29·2	28·7	27·9	25·5	24·9	24·5	23·5	22·5	21·5	17·4	20·5	
7*	22·4	22·6	22·7	22·7	22·5	21·9	22·2	21·9	20·5	19·9	21·5	24·8	27·9	28·6	27·4	26·4	25·1	24·6	23·8	23·0	23·1	22·9	22·6	22·6	
8	23·0	23·5	22·8	22·6	22·6	22·6	22·2	20·5	18·6	18·9	22·6	27·2	29·2	29·8	31·0	29·3	24·6	24·6	23·6	22·8	22·6	20·5	18·4	22·3	
9	22·7	22·9	22·7	23·7	22·2	22·0	21·7	20·7	19·6	19·1	21·0	26·3	29·6	31·4	31·8	31·3	29·3	26·6	23·3	21·6	21·9	21·6	22·6	22·2	
10	22·2	21·6	22·2	22·6	21·9	20·8	21·1	20·3	18·7	20·0	23·0	26·5	29·3	29·3	29·4	27·2	25·2	24·0	23·4	23·0	23·0	22·2	22·0	22·6	
11*	22·5	22·4	22·2	21·7	21·9	21·8	22·1	21·2	19·5	19·6	22·1	25·3	28·1	29·0	28·6	27·1	25·1	24·7	24·3	23·7	23·4	23·1	22·9	22·7	
12*	22·7	22·3	22·2	22·2	22·3	22·2	22·1	21·1	19·1	18·7	21·1	25·1	27·1	27·3	27·4	26·0	24·1	23·3	23·1	23·1	23·1	23·1	23·0	22·8	
13	23·0	22·9	23·0	22·9	22·9	22·6	22·5	21·5	19·6	19·0	20·6	24·1	27·2	29·7	28·5	26·9	24·9	24·2	24·4	23·5	23·1	22·9	22·9	22·9	
14	22·8	22·8	22·8	22·5	22·4	21·4	21·4	20·1	19·2	19·2	20·5	23·2	25·7	26·6	26·7	26·3	24·7	23·7	23·7	23·9	23·8	23·3	23·1	21·7	
15	19·4	18·0	19·6	22·5	21·6	21·0	20·6	20·6	21·4	20·4	22·6	25·2	26·8	28·3	28·0	27·0	24·6	22·6	22·6	22·4	21·6	20·5	20·2	19·6	
16	21·7	22·3	22·4	21·5	20·5	21·3	20·9	20·4	19·1	19·5	22·5	25·6	27·9	28·8	28·5	26·2	24·2	23·8	23·1	23·5	23·5	23·7	23·5	21·8	
17	20·7	19·1	17·5	18·0	18·0	18·7	20·1	20·3	19·5	20·0	21·7	24·9	26·1	28·0	27·5	25·5	23·7	22·6	22·5	22·8	22·0	20·0	20·6	23·7	
18	19·3	18·0	21·5	20·4	20·6	20·7	20·1	18·5	18·1	19·0	22·0	26·5	27·9	28·7	28·2	26·3	24·1	23·2	22·9	21·5	19·6	19·9	18·6	21·7	
19	21·0	19·9	18·7	19·6	20·2	19·2	19·4	18·8	18·4	18·5	21·1	25·1	28·5	29·1	28·8	26·7	24·7	23·9	23·5	20·7	20·5	18·9	20·2	21·1	
20**	20·4	19·7	18·4	21·6	16·5	18·0	19·6	20·4	18·5	20·5	21·2	26·1	28·7	30·6	28·9	29·7	28·7	27·9	25·3	23·8	23·8	23·6	18·6	16·8	
21**	14·3	16·3	18·3	14·9	17·2	19·8	17·9	19·9	18·5	20·4	25·9	28·9	30·0	30·0	30·8	27·8	25·5	23·9	21·4	20·0	17·0	20·0	20·0	20·0	
22	16·4	19·5	21·1	18·9	21·1	20·9	20·1	18·9	17·4	18·1	20·9	24·8	29·3	30·2	28·3	28·2	25·3	24·3	22·6	20·2	16·2	18·8	22·0	22·7	
23**	22·3	21·7	20·2	16·8	17·2	19·7	24·2	20·3	19·8	20·4	23·8	27·8	29·2	30·3	30·8	29·4	26·9	23·5	17·8	15·4	21·2	22·2	21·9	21·4	
24**	18·5	17·6	19·2	19·0	20·6	19·5	25·0	21·0	18·7	19·9	20·2	25·4	30·1	32·4	32·4	29·0	26·4	24·7	22·7	19·7	24·2	17·7	15·1	14·7	
25**	18·8	15·5	15·8	18·5	20·2	20·4	20·0	18·8	18·4	18·7	21·7	25·3	29·6	32·9	30·9	28·1	25·3	23·7	23·1	22·6	22·4	15·8	18·5	10·0	
26	11·5	12·1	20·5	18·1	20·1	21·9	21·7	18·7	18·1	19·1	22·3	25·8	30·2	32·1	30·8	28·1	25·4	24·2	23·4	22·6	21·3	18·3	16·1	19·5	
27	20·1	19·8	20·1	20·1	20·1	19·5	19·3	19·1	18·1	19·2	21·7	26·1	30·6	30·9	30·9	28·1	25·8	23·0	22·0	17·6	16·6	16·6	16·7	18·3	
28	18·0	19·0	16·0	16·5	19·4	19·6	18·2	16·0	15·4	16·2	18·9	22·8	26·8	28·6	29·0	26·6	24·3	22·8	22·5	22·3	23·0	23·0	22·2	22·0	
29	21·4	21·1	21·4	20·5	18·0	17·8	18·7	16·5	16·5	17·5	20·3	25·1	28·6	30·5	29·2	26·4	24·1	22·2	21·8	21·6	21·6	22·1	21·5	20·1	
30	19·1	19·2	19·2	19·3	19·2	19·1	18·8	17·3	16·2	15·6	19·4	24·4	28·4	29·2	28·9	27·4	25·3	23·5	22·9	22·3	22·4	22·4	22·1	21·1	
31	18·5	18·5	19·8	19·0	18·5	18·3	17·5	16·0	16·2	16·7	20·6	24·2	27·4	29·6	29·6	28·1	26·2	24·3	23·1	23·0	22·4	22·1	22·3	22·2	
Mean	20·5	20·3	20·7	20·6	20·7	20·8	21·0	20·0	18·9	19·1	21·5	25·2	28·1	29·3	28·9	27·4	25·3	24·1	23·1	22·2	22·0	21·4	20·9	21·0	
Mean*	22·4	22·5	22·4	22·2	22·2	21·9	22·0	21·6	20·2	19·7	21·5	24·5	26·9	27·7	27·4	26·3	24·8	24·3	23·8	23·5	23·4	23·1	23·0	22·9	
Mean**	18·9	18·2	18·4	18·2	18·3	19·5	21·3	20·1	18·8	20·0	22·6	26·7	29·5	31·2	30·8	28·8	26·6	24·7	22·1	20·3	21·7	19·9	18·8	16·6	
April.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	21·8	21·8	21·7	21·5	21·2	20·6	19·3	16·7	15·2	16·7	20·3	23·6	26·3	27·3	30·3	27·8	27·8	26·0	19·8	20·8	22·6	21·8	22·2	19·2	
2	21·9	22·6	22·5	20·3	20·0	20·5	20·0	18·9	18·2	19·1	22·1	25·9	28·5	29·1	29·3	28·1	26·1	24·7	23·8	23·4	22·8	12·8	17·5	22·4	
3	23·1	22·8	22·1	21·9	21·3	20·0	18·7	16·7	16·3	17·9	21·9	26·4	29·5	30·7	30·1	27·5	24·6	23·5	22·9	18·2	10·3	16·1	16·6	18·7	
4	18·0	20·8	21·3	20·2	21·1	21·4	19·6	18·0	17·0	18·0	20·7	24·4	27·9	28·8	27·4	25·3	22·8	21·7	21·5	22·2	22·2	22·2	22·6	22·9	
5*	23·0	22·6	22·6	22·6	22·1	21·5	19·4	17·0	15·9	16·5	20·0	25·9	30·0	30·9	29·2	26·8	23·7	21·5	20·5	21·2	21·3	21·7	22·5	23·1	
6*	23·1	22·9	22·4	22·2	22·0	21·2	19·2	16·5	16·9	19·0	22·2	26·0	28·5	29·9	29·2	26·9	23·9	22·8	22·7	23·0	22·6	22·6	22·7	22·8	
7	22·2	21·9	21·7	21·5	21·3	20·7	19·5	17·5	15·9	17·0	20·7	25·1	30·6	33·1	33·7	30·8	27·7	24·6	22·1	21·6	21·8	22·2	22·5	22·6	
8	22·5	22·1	21·7	21·1	20·5	21·1	20·4	17·0	16·7	17·3	20·2	25·6	31·4	31·9	28·5	28·2	25·5	22·7	20·1	20·5	21·5	22·1	22·5	22·4	
9	21·8	22·0	22·4	22·3	22·3	21·9	20·3	18·5	17·5	18·1	20·5	24·1	28·3	29·7	28·5	26·4	24·5	23·5	22·5	21·6	20·2	21·2	22·1	22·5	
10*	22·5	22·3	22·5	22·1	22·1	22·0	21·6	19·5	17·5	18·5	20·5	24·5	29·3	30·6	29·6	27·3	24·9	22·9	22·0	22·5	22·5	22·5	22·4	22·4	
11	21·8	21·8	21·9	21·7	21·5	20·9	21·4	19·6	19·0	21·5	22·9	25·1	27·4	28·0	28·0	26·4	25·4	23·4	22·4	22·5	22·4	22·0	21·0	19·8	
12	16·3	19·5	20·7	22·0	20·9	20·2	19·5	18·3	17·3	19·3	23·0	27·5	30·1	30·7	31·2	28·2	27·2	26·3	24·8	24·3	22·7	18·4	22·6	19·5	
13	18·1	18·1	18·2	20·0	18·3	21·6	20·1	17·7	18·4	20·5	23·1	27·5	28·7	31·2	31·0	30·8	29·4	23·1	23·9	23·3	19·0	20·4	21·0	21·5	
14	21·5	21·3	20·4	20·2	19·9	19·9	18·8	16·7	16·8	18·7	21·4	23·9	26·9	28·7	28·2	26·9	25·6	24·3	23·8	18·5	15·4	18·3	21·1	22·0	
15	21·9	21·8	20·9	20·1	19·9	18·9	19·3	17·9	22·1	24·3	24·6	27·2	29·4	30·6	28·3	28·6	26·5	21·0	21·9	20·9	18·9	17·9	19·2	17·3	
16	15·6	13·9	10·5	12·6	15·6	14·9	17·0	15·9	15·9	17·7	21·0	24·3	26·6	28·6	28·0	26·0	24·4	23·4	23·4	23·5	22·2	22·4	22·6	22·3	
17	21·9	18·6	18·1	18·3	17·8	17·8	16·1	15·1	15·1	18·1	22·7	26·5	28·5	29·1	28·1	27·0	24·5	22·7	22·9	22·4	19·8	16·3	14·6	17·5	
18**	21·3	9·0	4·9	9·5	16·3	18·1	20·4	18·4	17·4	17·3	20·7	23·9	26·4	30·1	30·0	29·9	26·3	24·7	21·0	13·4	17·6	20·5	21·4	16·4	
19**	17·5	16·1	13·4	11·7	15·9	18·5	18·5	18·8	17·6	19·5	23·3	26·3	30·3	32·1	31·7	30·1	28·9	21·1	23·0	23·1	23·5	15·8	16·8	18·4	
20**	19·4	14·9	16·3	16·9	17·0	18·0	17·0	16·1	16·0	18·0	22·6	27·8	31·5	31·5	29·2	26·5	26·5	23·6	18·2	18·4	19·0	16·0	17·3	17·0	
21**	20·0	21·8	18·8	17·7	20·3	17·5	16·2	14·0	18·2	22·1	23·8	29·4	35·0	35·5	33·4	28·6	26·7	24·3	22·0	17·1	18·8	16·4	21·0	11·3	
22**	12·9	16·7	19·5	22·0	18·0	17·4	17·4	16·0	20·3	22·9	24·9	27·7	30·2	31·4	29·0	26·1	26·3	21·9	22·2	18·5	18·4	20·3	19·0	23·9	
23	20·5	19·2	19·3	21·2	20·8	23·7	20·6	20·4	18·0	18·9	22·0	26·0	31·0	33·7	32·7	29·2	26·5	22·6	22·0	22·9	19·9	22·0	21·4	21·1	
24	24·1	22·1	21·1	21·5	21·2	21·0	23·5	21·1	18·0	18·1	20·6	24·5	27·6	28·4	28·0	26·4	24·7	22·5	21·7	21·6	21·0	22·2	20·9	21·6	
25	18·0	18·0	21·4	19·6	19·4	19·8	19·1	17·5	16·1	16·5	19·9	24·8	30·6	31·4	30·0	27·6	26·3	24·1	22·1	21·4	21·4	18·6	20·5	20·9	
26*	20·9	20·4	20·0	20·1	20·2	19·9	18·9	17·1	16·2	17·5	20·0	24·0	27·5	28·4	27·8	26·4	25·9	24·5	23·1	22·0	22·3	22·3	22·3	22·2	
27	21·3	21·1	20·7	20·2	19·3	18·8	17·6	16·4	16·2	17·9	20·9	24·5	27·4	28·7	28·9	27·6	26·6	24·2	22·2	23·0	23·3	22·8	22·4	21·8	
28	21·2	21·3	21·3	21·1	21·3	18·7	17·4	16·8	16·1	17·9	19·7	22·0	25·3	27·1	27·4	26·9	26·3	23·9	22·5	21·7	21·5	17·2	19·0	21·7	
29*	21·6	22·0	22·3	23·2	21·9	19·7	18·0	16·9	16·7	18·2	21·3	24·3	27·0	28·9	28·2	26·4	24·3	22·3	21·1	21·6	22·3	22·6	22·3	22·3	
30	21·9	21·9	21·3	21·2	19·9	19·9	18·5	15·9	16·2	19·2	20·1	23·0	26·7	27·1	26·4	24·4	23·7	21·7	21·2	21·4	21·8	22·4	22·9	21·8	
Mean	20·6	20·0	19·7	19·9	20·0	19·9	19·1	17·4	17·2	18·7	21·6	25·4	28·8	30·1	29·4	27·5	25·8	23·3	22·1	21·2	20·6	20·0	20·8	20·6	
Mean*	22·2	22·0	22·0	22·0	21·7	20·9	19·4	17·4	16·6	17·9	20·8	24·9	28·5	29·7	28·8	26·8	24·5	22·8	21·9	22·1	22·2	22·3	22·4	22·0	
Mean**	18·2	15·7	14·6	15·6	17·5	17·9	17·9	16·7	17·9	20·0	23·1	27·0	30·7	32·1	30·7	28·2	26·9	23·1	21·3	18·1	19·5	17·8	19·1	17·4	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT ABINGER—*continued*.

May. 11° + Tabular Quantities.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	17·4	17·6	18·0	18·0	18·4	17·5	17·4	17·0	17·0	17·7	21·6	24·8	28·1	28·1	26·7	25·1	23·0	21·4	20·8	21·4	21·8	22·3	22·0	22·4	
2	22·8	23·1	21·8	20·0	19·3	18·3	17·0	16·4	15·9	18·3	21·8	25·5	27·7	28·7	27·4	25·1	23·4	22·4	21·6	21·9	22·4	22·8	22·7	22·4	
3	22·0	22·0	21·2	21·2	19·3	17·3	14·6	14·2	15·3	18·2	21·6	24·8	27·3	28·2	27·1	25·9	24·9	24·2	23·6	23·3	23·2	23·1	22·8	22·2	
4	21·2	20·7	20·7	20·9	21·0	21·5	18·9	19·1	19·1	21·2	24·7	28·2	29·3	29·7	28·6	25·9	24·7	23·3	16·3	17·7	22·4	18·8	20·8	20·3	
5	22·0	21·7	21·4	19·5	18·0	16·0	13·7	14·3	16·3	18·9	23·1	26·4	27·8	27·5	26·5	25·0	23·5	22·5	22·0	22·3	21·6	22·6	22·9	22·7	
6	22·7	22·4	22·0	21·2	19·4	17·7	15·8	15·1	16·1	19·3	24·8	28·2	30·9	29·5	27·3	24·8	22·3	21·3	21·1	21·3	21·5	21·9	22·1	22·3	
7*	22·2	22·2	22·0	21·5	20·1	18·0	15·9	14·0	14·3	18·4	23·4	28·5	31·6	30·4	26·4	23·7	21·9	20·4	21·0	21·6	22·0	22·2	22·2	22·0	
8*	21·6	21·5	21·1	21·0	20·1	18·9	17·7	17·1	17·1	19·5	23·1	27·1	30·0	29·4	26·8	24·7	22·8	21·5	21·1	21·3	21·9	21·7	21·9	21·5	
9*	21·1	21·0	20·8	20·1	19·1	17·8	16·4	14·5	14·7	18·1	21·1	24·1	26·1	27·1	26·5	25·4	24·1	22·8	22·1	22·1	22·1	22·1	22·1	22·1	
10	21·7	21·2	20·8	20·2	19·4	17·8	16·2	15·5	16·2	19·6	24·2	29·2	31·2	30·2	30·2	30·2	29·6	28·5	26·6	23·7	19·4	22·0	20·3	18·5	
11**	18·3	17·7	19·7	18·2	16·9	16·7	16·0	15·7	17·2	19·9	23·7	29·3	32·7	33·3	33·3	29·3	29·0	27·5	26·5	24·3	23·3	22·9	22·1	21·1	
12**	21·6	21·0	20·1	19·1	20·1	22·3	19·8	17·1	19·3	21·6	23·1	27·2	30·1	32·3	32·0	28·6	27·6	25·1	22·4	19·2	20·2	21·9	19·9	19·6	
13	21·2	18·4	18·9	20·8	18·6	17·6	15·9	16·4	16·8	19·4	21·4	23·3	25·9	27·5	26·9	25·3	23·4	21·4	21·0	21·4	21·2	19·4	18·4	19·1	
14	19·4	19·8	19·8	18·7	19·4	17·7	15·1	13·8	14·0	15·9	19·0	22·7	25·5	28·9	28·5	27·9	25·3	23·3	19·9	19·5	19·9	17·3	18·5	19·8	
15	20·3	19·7	17·8	18·3	18·4	18·7	16·3	15·9	16·7	18·9	20·8	23·5	26·5	28·0	27·7	26·5	25·3	24·0	22·7	21·9	16·0	17·7	15·9	15·7	
16	14·8	17·8	19·8	16·8	16·4	19·0	19·0	16·8	18·8	20·4	22·5	27·1	31·9	32·5	30·5	29·5	27·9	24·5	20·9	18·5	19·3	21·5	23·1	20·9	
17	19·0	18·2	19·8	19·9	18·3	16·6	15·4	17·0	16·7	19·1	22·6	26·0	28·7	29·6	27·7	25·1	23·3	21·7	21·4	19·9	19·4	19·4	20·0	18·7	
18**	21·8	19·2	18·5	17·7	17·8	14·8	16·5	18·9	21·2	18·9	22·1	27·8	30·0	31·5	29·8	28·0	25·2	23·2	19·5	11·7	15·5	19·6	24·1	19·5	
19**	19·1	21·9	22·7	22·3	20·5	19·6	16·5	13·2	12·5	17·1	21·5	27·1	29·6	29·8	29·2	25·9	22·2	20·8	20·5	15·3	18·9	20·9	19·9	20·4	
20	21·4	21·4	20·4	21·4	21·8	19·7	16·7	13·3	13·7	17·2	20·5	24·3	27·2	28·7	27·1	25·4	24·4	23·1	19·1	20·1	21·3	22·4	22·1	21·9	
21	21·1	20·6	21·0	21·4	21·3	19·9	19·6	17·7	14·6	15·3	18·9	21·9	26·0	26·3	25·0	25·0	24·3	20·6	20·4	21·2	19·2	20·6	19·7	19·1	
22	21·6	22·3	20·9	20·3	17·6	15·8	14·0	12·6	13·0	16·8	21·3	25·1	28·3	29·3	27·1	23·9	22·7	21·5	21·1	21·2	21·6	21·7	21·1	21·6	
23*	20·2	19·1	20·7	20·1	19·1	17·0	15·6	14·1	14·9	17·7	21·7	25·7	29·1	28·5	27·2	25·7	23·9	22·7	22·2	21·7	21·2	21·2	21·2	20·6	
24*	20·1	19·7	19·4	19·2	18·7	16·9	15·8	15·1	15·7	18·4	22·7	26·7	29·3	29·7	28·9	26·7	24·7	23·4	22·4	21·7	21·5	21·1	20·9	20·7	
25	20·2	20·2	20·2	19·8	19·5	18·5	16·4	14·5	13·9	15·3	17·3	20·9	24·1	27·5	27·8	25·9	24·2	23·0	22·4	21·3	20·0	21·2	21·8	21·0	
26	20·5	19·5	21·2	21·0	19·1	17·3	16·1	15·4	15·5	18·3	21·1	25·1	28·3	28·7	28·4	28·2	26·8	23·2	20·1	21·1	21·7	22·2	20·3	20·3	
27	20·5	20·3	19·7	19·6	18·4	16·2	14·3	13·7	15·3	17·7	20·4	21·2	23·9	25·5	25·4	23·9	23·0	21·8	20·8	21·1	21·3	21·8	19·4	20·4	
28	21·4	19·5	18·3	18·9	18·7	18·3	16·1	14·2	14·9	16·9	20·1	23·9	27·2	28·2	27·2	25·4	24·2	22·9	20·9	22·3	22·2	22·3	22·1	22·3	
29**	21·4	20·6	20·3	19·5	18·1	15·9	15·1	13·3	14·6	17·6	23·3	26·1	27·6	28·1	27·1	26·0	24·6	22·7	20·5	21·3	22·3	19·2	17·6	19·6	
30	19·6	19·7	19·4	16·9	15·9	15·2	16·2	17·0	16·0	17·8	21·5	24·5	25·6	26·6	25·8	24·6	23·1	23·2	23·5	24·6	23·6	22·5	22·0	22·6	
31	21·6	17·4	15·8	12·5	13·2	13·5	14·2	14·6	16·0	18·6	21·0	24·3	26·2	25·8	24·3	22·7	20·4	19·4	20·1	20·7	20·6	21·1	21·6	21·7	
Mean	20·6	20·2	20·1	19·6	18·8	17·7	16·3	15·4	15·9	18·3	21·8	25·5	28·2	28·9	27·8	26·0	24·4	22·8	21·4	20·9	20·9	21·2	21·0	20·7	
Mean*	21·0	20·7	20·8	20·4	19·4	17·7	16·3	15·0	15·3	18·4	22·4	26·4	29·2	29·0	27·2	25·2	23·5	22·2	21·8	21·7	21·7	21·7	21·7	21·4	
Mean**	20·4	20·1	20·3	19·4	18·7	17·9	16·8	15·6	17·0	19·0	22·7	27·5	30·0	31·0	30·3	27·6	25·6	23·9	21·9	18·4	20·0	20·9	20·7	20·0	

June. 11° + Tabular Quantities.

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1**	20·9	20·1	19·6	19·3	18·2	16·1	14·7	16·4	19·1	21·1	25·5	28·5	26·1	26·7	25·3	24·5	23·5	23·3	22·5	23·1	18·4	18·9	20·1	21·1
2**	20·4	19·9	18·2	16·2	16·4	18·9	17·5	15·6	16·1	19·4	23·2	26·7	27·8	28·2	28·1	26·3	25·2	25·0	21·8	17·3	15·3	15·9	18·6	18·3
3	18·7	18·0	17·0	16·8	17·7	17·4	14·4	14·8	14·4	16·4	20·2	23·8	26·8	27·1	26·9	26·5	25·9	23·2	22·0	21·5	21·3	21·5	20·8	17·6
4	18·9	19·4	19·5	19·5	18·5	17·7	16·1	14·2	13·3	14·7	17·5	22·5	26·5	28·0	28·4	25·5	23·5	21·8	20·6	20·4	20·4	20·9	19·9	19·9
5*	20·5	20·3	19·5	19·2	18·5	16·9	14·9	14·8	14·5	15·7	18·1	21·8	24·5	25·8	25·2	23·9	22·9	21·7	20·9	20·4	20·5	20·5	20·6	20·7
6*	20·7	19·9	19·9	18·9	17·5	16·5	14·3	12·7	11·7	12·7	16·2	19·9	22·7	25·2	26·0	25·6	23·9	21·6	20·5	20·7	20·9	21·2	21·3	21·1
7	20·7	20·4	20·2	20·1	19·1	18·4	17·6	16·4	16·1	16·9	19·5	23·4	26·1	28·0	29·0	27·9	25·8	23·3	22·0	21·5	21·7	21·4	21·1	21·3
8	21·5	20·2	17·6	17·5	17·2	16·7	14·6	13·5	13·7	16·2	19·6	23·2	26·6	28·3	27·9	26·1	25·3	25·1	23·2	22·2	21·2	20·7	14·6	13·5
9**	18·7	18·9	20·1	20·5	21·4	17·1	17·0	17·0	21·7	20·3	21·3	23·3	28·3	30·3	28·3	29·0	26·3	24·3	23·0	20·7	20·7	20·0	20·2	16·9
10**	17·9	18·0	17·9	18·3	17·4	14·6	14·6	13·2	12·0	13·7	18·0	20·5	24·6	27·2	26·9	26·0	25·2	21·9	21·1	16·8	17·9	20·9	20·8	19·1
11	19·6	21·6	19·0	18·0	16·6	16·6	14·3	14·1	13·8	16·5	19·3	21·6	24·2	25·2	25·7	25·7	24·2	22·7	22·1	20·7	19·9	20·3	20·7	20·2
12	18·2	19·4	18·1	17·4	16·0	16·2	16·3	17·8	19·3	20·7	21·9	23·5	24·9	25·3	24·1	22·9	21·9	21·5	21·7	21·4	20·8	19·8	18·3	18·2
13	17·3	15·9	17·3	15·9	15·3	16·4	14·9	15·5	17·9	20·1	22·8	24·4	25·9	27·3	26·8	26·3	24·5	22·9	22·6	18·0	19·0	20·9	19·7	19·6
14	17·8	17·7	17·7	17·2	15·7	16·8	17·2	16·3	16·2	17·1	19·1	21·7	23·6	24·5	24·3	23·2	22·1	20·3	18·9	20·2	20·3	20·8	22·4	17·9
15	15·7	18·8	21·8	20·2	16·3	14·2	14·2	15·2	14·8	18·8	20·7	23·4	25·1	26·2	27·7	25·3	24·4	22·1	20·8	20·7	20·2	22·2	21·7	20·0
16	21·2	21·2	20·1	16·9	17·6	15·5	14·7	14·2	15·2	16·8	20·6	24·0	25·6	27·9	27·5	23·3	22·1	21·1	20·8	20·0	18·8	19·7	20·6	21·2
17	21·2	18·4	18·3	19·0	16·7	15·6	14·4	13·9	15·2	17·4	20·6	23·6	25·8	26·4	26·1	24·2	22·9	21·7	20·5	19·7	19·2	20·1	20·1	21·3
18	20·8	19·1	18·9	18·9	17·9	16·3	14·3	13·9	14·4	16·5	19·5	23·5	27·4	29·0	28·7	26·5	25·9	23·6	21·2	22·2	21·6	21·6	19·6	15·6
19**	14·8	15·2	19·7	25·6	21·2	21·2	29·2	23·2	22·7	23·1	23·3	25·3	31·5	30·4	31·3	27·3	26·5	25·3	25·0	23·8	23·4	21·8	21·5	20·3
20	19·5	18·5	17·5	17·0	14·9	12·9	12·0	14·0	14·8	16·6	18·0	20·6	23·6	25·2	26·2	24·7	23·1	21·0	20·3	19·8	20·1	20·1	19·8	19·5
21	19·3	19·0	18·6	18·2	16·6	15·9	13·9	13·9	13·9	15·3	18·5	22·9	24·7	26·3	27·0	25·3	23·2	21·6	20·4	20·0	20·0	19·9	19·9	20·0
22	19·9	19·1	18·6	18·4	17·4	15·1	13·1	12·5	12·6	15·5	19·1	22·9	25·1	26·6	26·7	26·1	23·4	22·1	21·5	20·1	21·4	21·5	21·1	20·7
23*	20·3	20·1	19·3	18·0	16·4	15·8	14·4	13·8	14·8	17·1	19·6	22·2	25·6	27·2	26·2	23·4	21·5	20·6	20·8	21·0	21·1	21·2	20·7	20·7
24	20·3	19·6	19·9	19·4	18·7	17·2	14·9	13·9	13·9	15·7	18·6	22·7	25·8	28·0	28·3	26·3	24·2	23·0	22·7	22·2	20·2	19·7	20·4	20·7
25	18·9	18·9	20·3	21·8	20·5	17·3	15·0	14·0	13·7	15·3	18·2	20·3	22·6	24·4	24·7	24·1	22·9	21·8	20·7	20·3	20·1	19·8	19·8	19·6
26	19·3	19·3	18·9	18·3	16·5	14·3	12·7	12·9	14·2	17·0	19·4	22·1	25·6	27·4	28·3	26·7	25·3	22·9	21·8	21·7	20·8	20·2	17·9	17·4
27	16·8	16·3	15·8	15·0	15·2	14·2	13·8	14·7	15·5	16·3	18·9	22·4	25·3	26·6	26·7	25·3	23·6	22·4	22·3	22·0	21·1	20·8	20·6	20·2
28	18·1	16·6	17·5	17·6	16·2	15·0	14·2	14·5	14·8	15·0	16·8	19·6	22·4	24·4	25·5	25·6	25·1	24·1	23·1	22·2	21·1	21·0	20·9	20·1
29*	19·4	19·0	17·7	17·6	17·5	16·6	14·7	13·5	13·6	15·1	18·0	20·5	22·5	23·9	24·6	24·9	23·7	22·0	20·8	19·2	19·3	20·1	20·0	19·4
30*	18·9	17·8	18·4	17·5	16·4	14·7	13·4	13·1	13·2	15·5	18·2	21·9	24·9	25·9	25·9	25·0	23·6	22·7	21·9	21·2	20·8	20·8	20·1	19·1
Mean	19·2	18·9	18·8	18·5	17·4	16·3	15·2	14·8	15·2	17·0	19·7	22·8	25·4	26·8	26·8	25·5	24·1	22·6	21·6	20·7	20·3	20·5	20·1	19·4
Mean*	20·0	19·4	19·0	18·2	17·3	16·1	14·3	13·6	13·6	15·2	18·0	21·3	24·0	25·0	25·6	24·6	23·1	21·7	21·0	20·5	20·5	20·8	20·5	20·2
Mean**	18·5	18·4	19·1	20·0	18·9	17·6	18·6	17·1	18·3	19·5	22·3	24·9	27·7	28·6	28·0	26·6	25·3	24·0	22·7	20·3	19·1	19·5	20·2	19·1

*Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	18·9	18·3	18·2	17·7	15·7	13·6	13·3	13·3	14·3	16·8	20·5	24·0	26·1	27·3	26·7	25·8	24·2	22·5	21·3	21·0	20·2	20·3	20·1	19·5	
2**	19·0	17·7	16·7	16·0	13·7	11·1	9·7	6·2	11·1	15·3	16·9	20·7	26·4	29·8	32·2	30·6	22·7	21·8	20·8	19·6	19·7	20·9	19·7	18·7	
3	21·2	19·8	17·7	17·7	16·9	16·3	16·4	17·3	18·0	18·9	21·2	24·3	27·3	27·3	26·6	24·7	23·3	22·3	20·9	20·1	20·7	21·2	20·5	19·9	
4	19·1	18·7	18·2	17·6	16·7	15·8	15·2	14·9	15·4	17·2	20·0	22·2	23·8	24·6	23·9	22·9	21·6	21·2	20·8	20·4	20·2	20·5	19·8	19·8	
5	19·5	19·5	19·3	19·1	18·4	17·9	17·2	19·7	17·4	17·0	20·4	22·5	23·8	25·4	25·0	23·9	23·0	21·8	19·0	19·1	19·4	19·8	19·5	19·8	
6**	18·0	13·9	13·6	16·6	17·1	16·6	16·2	13·9	14·2	16·2	19·9	23·6	29·0	29·3	31·1	29·3	26·3	22·3	22·5	22·1	21·0	17·7	17·7	19·3	
7	14·7	17·4	19·4	17·0	16·3	15·4	13·4	12·2	11·5	14·4	18·4	19·7	24·9	25·0	24·5	24·2	23·6	22·4	21·2	20·3	20·0	20·1	20·0	19·3	
8	18·7	18·1	16·6	17·3	18·3	16·2	15·7	15·3	14·7	15·9	18·1	22·7	26·3	18·3	17·9	16·4	15·6	23·7	21·8	18·2	19·2	19·5	19·0	19·6	
9	18·8	18·8	18·5	18·2	16·7	15·5	14·5	13·8	13·1	14·0	15·1	18·2	21·7	24·8	26·1	25·8	24·4	23·4	22·6	20·8	20·1	19·7	20·0	18·8	
10**	18·2	18·2	17·7	17·9	18·8	18·7	18·3	14·7	14·3	14·3	16·6	20·3	24·2	27·9	30·1	27·8	25·7	23·3	23·2	21·0	18·3	14·4	15·2	12·9	
11**	9·8	13·1	17·1	16·2	17·1	15·7	13·6	13·8	13·8	18·8	20·1	20·9	23·4	25·5	28·5	26·5	32·4	28·9	24·6	21·9	21·4	20·5	20·5	20·9	
12	18·6	17·4	17·7	18·0	15·3	15·3	14·4	13·5	13·4	14·9	18·2	20·4	22·8	25·6	26·9	26·3	24·5	22·8	21·3	21·1	19·5	17·3	15·3	18·1	
13	16·9	19·5	18·8	15·3	18·4	18·3	15·5	14·8	15·5	16·4	18·4	21·2	22·5	24·7	24·5	23·5	20·9	20·7	18·9	19·6	20·3	20·4	20·1	19·6	
14*	19·0	19·0	18·9	18·4	16·9	15·6	14·0	12·4	12·4	13·5	14·9	18·9	22·4	25·3	25·6	24·0	22·3	20·8	20·9	20·5	20·0	20·3	20·0	20·0	
15*	19·3	19·1	18·9	17·9	16·7	15·9	16·4	17·0	16·0	17·0	19·0	22·4	25·0	26·6	26·0	23·8	22·0	21·0	20·2	19·9	19·2	19·2	20·0	20·0	
16	19·1	19·3	22·2	20·5	20·1	16·9	12·9	10·9	11·5	13·4	15·9	20·2	23·2	25·3	24·9	23·9	22·9	22·9	21·5	20·9	21·0	20·8	20·1	20·5	
17	18·1	18·4	19·1	16·9	15·6	13·8	13·7	14·2	14·9	16·6	19·2	22·9	24·7	26·2	26·9	26·3	24·4	24·8	23·5	18·9	20·3	20·5	19·6	19·0	
18	19·0	17·0	20·0	18·7	17·2	16·6	14·6	14·0	14·2	14·9	17·0	21·0	23·5	26·0	26·0	24·4	23·0	21·8	20·6	19·6	18·7	19·6	19·2	19·5	
19	19·1	21·1	20·1	19·1	17·1	16·1	14·1	12·5	11·9	13·0	16·0	20·6	25·1	27·6	26·6	24·6	22·3	20·1	18·4	18·6	18·5	18·8	18·6	18·1	
20	19·0	21·3	20·3	19·0	17·5	18·5	16·3	14·4	14·6	14·4	17·0	21·4	24·6	25·6	26·2	25·0	22·6	21·6	19·8	19·5	20·0	20·0	19·7	19·5	
21*	19·7	19·9	19·6	18·4	16·9	15·3	13·5	12·8	12·7	13·6	16·5	19·9	25·2	26·8	25·9	24·2	21·9	20·3	19·1	19·4	19·1	19·1	19·4	19·2	
22	19·3	19·4	19·8	19·9	18·1	15·5	13·7	11·8	11·4	13·6	16·8	20·8	23·6	25·7	25·4	22·8	20·8	19·8	19·5	19·3	19·0	19·4	19·3	18·8	
23*	19·2	19·3	18·9	18·7	17·7	15·7	14·3	13·7	14·4	17·1	20·3	23·2	24·2	24·0	24·2	22·9	21·7	20·1	19·2	19·7	19·4	19·2	19·3	19·6	
24*	19·5	19·3	18·4	18·2	17·0	15·2	14·8	14·4	14·8	16·2	18·8	22·2	25·1	25·4	25·5	24·9	22·9	20·8	20·1	20·0	19·5	19·5	20·0	20·0	
25	19·8	18·3	17·5	17·0	16·1	14·9	12·9	12·4	12·9	14·9	18·6	22·5	25·9	27·5	25·5	23·9	21·9	19·8	18·5	19·1	19·9	17·2	18·3	18·5	
26	18·9	18·7	16·3	16·7	16·0	14·9	13·8	13·0	14·1	17·4	20·6	25·1	27·5	27·4	26·2	24·8	22·8	21·0	19·8	19·7	20·0	19·7	19·0	18·9	
27	18·7	18·2	17·7	17·3	16·3	14·7	14·3	13·0	13·4	15·4	17·7	21·6	24·9	26·9	26·6	26·3	23·6	22·0	20·4	19·4	17·9	19·9	20·2	19·2	
28	19·2	14·4	16·8	17·8	14·2	12·2	12·5	13·5	14·5	18·5	22·4	25·5	27·3	26·8	25·6	22·6	21·6	21·5	21·7	20·7	20·4	20·3	20·0	19·6	
29**	18·7	18·2	17·7	17·3	16·3	15·8	15·7	16·3	17·7	20·9	23·9	24·0	26·1	26·3	30·2	31·8	30·6	26·3	18·5	17·8	17·9	18·4	18·8	18·8	
30	20·2	23·0	21·8	18·5	18·3	16·3	14·9	13·9	15·9	16·4	19·3	22·2	23·7	24·2	23·9	21·8	19·9	18·9	18·8	18·9	19·4	19·5	19·3	19·0	
31	18·4	17·9	17·5	17·3	16·5	15·1	14·7	15·7	16·4	18·3	21·0	22·3	24·9	26·9	26·9	24·8	23·0	18·6	18·5	19·5	19·9	18·9	16·9	18·1	
Mean	18·6	18·5	18·4	17·8	16·9	15·7	14·5	13·9	14·2	16·0	18·7	21·9	24·8	26·0	26·2	24·9	23·2	21·9	20·6	19·9	19·7	19·4	19·2	19·1	
Mean*	19·3	19·3	18·9	18·3	17·0	15·5	14·6	14·1	14·1	15·5	17·9	21·3	24·4	25·6	25·4	24·0	22·2	20·6	19·9	19·9	19·4	19·5	19·7	19·8	
Mean**	16·7	16·2	16·6	16·8	16·6	15·6	14·7	13·0	14·2	17·1	19·5	21·9	25·8	27·8	30·4	29·2	27·5	24·5	21·9	20·5	19·7	18·4	18·4	18·1	
August.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	17·8	20·8	19·3	17·0	15·4	14·0	12·9	13·4	13·9	15·0	16·9	19·9	22·9	24·4	25·2	23·5	20·9	18·5	17·5	17·9	18·0	18·8	18·6	18·4	
2	19·2	20·3	18·6	17·6	16·7	16·0	14·9	13·6	13·0	14·7	18·0	21·2	24·2	26·0	25·9	24·0	21·8	20·4	20·1	20·0	19·9	17·4	18·0	18·5	
3	18·6	18·3	18·4	17·5	16·0	15·1	14·5	14·1	14·7	16·9	20·8	25·1	28·0	30·3	29·1	25·1	22·3	20·3	19·1	19·1	19·1	16·1	17·1	19·1	
4	18·5	19·1	19·6	17·2	18·0	14·9	14·7	14·9	15·6	17·5	20·0	23·0	25·0	26·9	25·9	23·9	21·9	19·6	18·6	18·5	18·6	18·8	18·4	18·8	
5**	18·8	18·8	18·3	17·4	16·3	14·2	13·7	12·6	13·5	16·3	20·3	25·2	29·8	30·8	28·8	26·4	23·8	21·8	18·4	17·4	15·0	17·2	17·1	16·9	
6**	15·0	14·1	17·1	18·1	16·8	15·6	15·5	14·0	12·9	14·9	19·1	23·1	25·9	27·9	27·1	24·6	23·2	21·4	19·9	19·0	19·0	19·0	18·9	18·5	
7*	18·3	18·1	17·7	17·2	15·8	14·3	13·1	12·1	13·1	15·1	17·7	21·0	22·7	23·9	24·7	23·7	22·1	21·0	19·7	19·3	19·9	19·6	19·4	18·7	
8**	18·2	17·5	16·7	16·4	15·5	13·6	12·7	14·7	16·8	19·2	22·5	24·5	26·8	28·2	27·1	25·8	24·7	23·2	20·5	20·2	14·4	14·8	18·8	18·7	
9	17·8	16·6	17·7	15·2	15·5	14·9	12·4	12·5	13·2	15·8	18·2	21·2	23·9	24·7	25·6	24·2	22·2	20·2	20·1	19·4	19·3	20·2	20·0	20·5	
10**	16·5	15·7	15·1	14·3	13·9	13·9	14·6	14·9	17·3	18·3	20·7	23·5	26·8	25·8	25·9	25·3	24·0	21·8	20·4	19·3	18·9	19·1	18·4	17·9	
11*	17·5	17·1	16·2	16·3	15·6	14·5	13·8	12·9	12·4	13·3	14·3	17·2	21·4	23·8	23·9	22·4	21·5	20·5	19·4	19·4	19·4	19·4	18·8	18·4	
12	17·7	17·3	17·4	16·8	15·7	15·4	15·2	15·3	15·1	15·9	16·9	19·3	22·4	24·3	25·9	24·5	22·5	20·6	20·5	20·4	20·2	20·3	20·4	17·4	
13	16·4	17·1	16·7	16·6	14·3	13·2	12·8	14·8	16·7	17·7	17·7	20·0	22·7	23·7	23·4	22·6	21·8	20·7	19·9	19·8	19·3	20·1	19·5	18·7	
14	18·0	17·6	17·2	17·2	16·0	14·6	13·7	13·8	15·1	17·1	18·9	22·6	25·5	25·6	24·2	22·8	21·6	20·5	20·1	19·7	19·4	19·4	19·1	19·3	
15	19·3	19·2	18·1	17·7	17·5	17·7	18·4	15·9	16·1	16·7	18·2	20·8	24·1	26·6	26·2	24·6	22·4	20·3	19·1	18·5	18·8	18·0	18·7	18·8	
16	19·5	19·5	17·7	18·0	17·1	16·1	15·2	14·7	14·3	14·9	16·9	19·9	22·6	23·9	23·9	23·2	21·6	19·6	18·6	18·2	17·9	18·2	18·3	18·0	
17	18·1	17·1	17·7	16·3	16·4	15·3	13·7	13·3	13·7	14·9	17·2	20·4	22·5	23·0	22·8	21·9	20·6	18·8	18·2	18·3	18·9	18·4	17·5	18·4	
18*	19·1	19·6	18·4	18·0	17·4	15·6	14·2	13·7	14·1	15·5	17·9	21·0	23·9	24·0	22·7	21·6	19·7	18·5	18·5	18·7	18·7	18·7	18·7	18·8	
19*	19·0	18·4	18·4	18·1	17·0	15·1	13·0	12·3	12·9	14·6	16·8	20·7	24·8	26·4	26·1	24·7	22·5	21·0	20·0	20·0	19·6	19·3	19·0	18·7	
20	18·5	18·6	18·4	18·6	17·7	16·6	15·1	14·2	14·4	15·8	19·1	22·3	24·4	25·2	24·4	22·5	21·7	21·1	19·7	17·9	17·2	18·5	18·1	17·2	
21	17·0	17·6	17·8	17·6	16·8	15·3	13·7	13·5	14·7	15·8	19·1	23·7	26·0	25·9	23·7	21·7	19·9	19·4	19·1	19·2	19·0	18·8	18·6	18·7	
22	18·8	17·1	16·8	16·8	16·2	14·6	13·0	13·6	13·5	14·8	17·6	20·2	22·7	23·3	22·6	21·8	20·6	19·5	18·4	19·0	19·6	19·2	18·9	18·2	
23*	18·0	17·8	17·8	17·8	17·4	16·4	15·0	13·4	13·4	14·4	18·3	21·8	24·9	25·1	23·6	22·0	21·2	20·5	20·3	20·3	20·1	19·9	19·4	19·0	
24	18·4	18·4	17·8	17·4	16·5	15·2	13·0	11·7	12·6	15·2	18·9	22·3	25·0	24·7	22·8	21·0	20·1	19·8	20·2	20·3	20·2	18·9	18·3	18·6	
25	18·4	18·1	17·4	17·2	16·3	15·3	13·8	12·5	12·5	14·3	18·0	22·5	25·9	26·4	24·2	22·5	20·2	19·7	19·2	19·8	20·2	19·9	17·2	17·2	
26	15·3	14·8	16·7	16·6	15·5	14·8	14·2	14·1	14·2	15·8	18·6	21·2	22·5	23·2	23·7	21·6	20·4	20·2	20·3	19·8	19·0	19·2	18·6	18·4	
27	17·6	17·5	16·9	15·6	15·2	14·7	15·3	15·0	15·9	18·5	22·1	25·6	27·3	26·2	24·6	21·4	20·6	19·8	20·1	20·1	19·6	18·8	17·6	17·3	
28	15·6	16·7	17·2	17·6	18·6	18·2	17·6	17·2	17·6	17·9	20·3	22·6	23·6	22·9	21·8	20·8	19·8	18·9	18·6	19·3	18·6	18·3	18·6	18·6	
29	18·4	18·5	17·5	16·8	16·5	16·5	15·5	15·4	15·4	15·9	18·5	20·5	22·5	21·8	20·5	20·0	19·5	19·5	19·2	19·5	19·7	18·5	17·5	18·2	
30**	17·0	13·6	9·8	14·6	12·6	11·6	12·6	13·2	14·8	16·6	19·8	22·1	23·7	24·3	23·7	21·6	19·8	19·8	20·6	19·1	12·3	17·7	18·2	18·4	
31	18·0	15·7	16·0	13·3	15·7	14·5	13·7	15·2	15·7	18·1	21·6	22·6	24·6	24·7	22·8	20·8	19·3	18·9	19·2	18·6	17·6	18·0	18·0	17·9	
Mean	17·9	17·6	17·3	16·9	16·2	15·1	14·2	14·0	14·5	16·1	18·7	21·8	24·5	25·3	24·6	23·0	21·4	20·2	19·5	19·2	18·7	18·7	18·5	18·4	
Mean*	18·4	18·2	17·7	17·5	16·6	15·2	13·8	12·9	13·2	14·6	17·0	20·3	23·5	24·6	24·2	22·9	21·4	20·3	19·6	19·5	19·5	19·4	19·1	18·7	
Mean**	17·1	15·9	15·4	16·2	15·0	13·8	13·8	13·9	15·1	17·1	20·5	23·7	26·6	27·4	26·5	24·7	23·1	21·6	20·0	19·0	15·9	17·6	18·3	18·1	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	17·3	17·2	17·1	16·0	15·5	14·2	14·1	13·3	13·1	14·9	18·6	22·2	24·2	23·6	21·6	19·2	17·9	17·8	18·4	19·1	18·9	18·3	17·9	17·7	
2	17·3	16·8	16·7	13·5	14·3	15·1	14·3	13·7	13·5	14·7	18·7	22·7	24·3	25·8	23·6	21·2	19·4	18·0	18·2	18·3	18·2	17·8	17·7	17·6	
3*	17·6	17·6	17·4	17·0	15·8	15·6	13·8	12·8	13·7	16·6	20·2	24·1	25·8	25·3	23·7	22·1	19·7	18·6	18·3	18·3	17·9	17·8	17·8	17·7	
4	17·7	17·1	15·7	14·8	15·4	14·7	13·2	11·0	11·7	14·7	18·9	24·6	27·1	26·3	23·7	20·6	18·8	18·1	19·0	17·9	17·1	18·3	12·9	14·1	
5	14·1	13·4	13·5	12·8	13·9	14·6	15·3	13·6	12·5	14·4	19·9	23·6	25·6	25·7	24·0	21·6	19·6	18·6	18·9	19·6	18·6	17·8	18·1	18·2	
6	17·4	16·0	13·8	12·6	15·4	14·9	14·7	14·5	14·9	16·4	19·4	23·4	25·8	25·3	22·6	20·4	18·8	18·6	19·1	18·8	18·7	18·7	18·5	18·0	
7*	17·7	17·2	16·9	16·6	16·1	15·7	15·0	14·7	15·1	17·0	20·2	23·3	24·5	23·6	22·1	20·2	19·4	18·9	19·6	19·5	19·2	19·1	18·7	18·5	
8	18·0	17·5	16·9	16·4	15·9	15·5	15·1	14·6	15·6	18·5	21·4	22·5	24·2	24·8	23·7	20·8	17·7	16·7	17·7	18·4	18·7	17·7	17·8	18·0	
9	18·8	18·7	17·5	16·7	15·8	15·1	14·8	15·7	16·4	17·9	20·8	22·1	23·5	25·5	25·1	22·4	20·3	18·6	17·2	17·3	18·1	18·5	18·3	18·0	
10	17·9	17·9	17·5	16·9	14·8	15·8	14·6	13·9	14·4	16·5	19·9	22·1	25·2	24·9	24·4	22·6	20·9	18·8	18·1	17·6	17·0	17·2	17·0	17·8	
11**	18·0	17·8	18·1	18·0	17·3	18·6	16·6	14·4	13·0	14·2	19·4	23·0	25·1	28·1	26·8	24·1	22·1	21·5	19·1	18·1	16·8	18·0	18·1	17·5	
12	17·2	18·0	18·8	18·7	17·8	16·2	15·2	13·9	14·2	16·2	19·2	21·2	23·5	22·9	21·9	20·6	18·8	17·9	17·9	17·5	17·5	16·6	15·8	16·3	
13*	17·4	17·6	17·3	16·3	15·7	15·5	14·7	13·4	13·0	14·1	16·9	20·8	22·9	23·7	23·0	21·4	19·9	18·5	18·1	17·5	18·0	18·0	18·0	18·4	
14	18·0	17·8	17·4	17·3	16·5	15·9	14·5	13·8	13·5	15·2	18·5	22·0	22·4	22·4	22·6	20·4	19·4	18·7	18·7	18·5	18·7	18·4	18·4	18·4	
15	17·3	16·7	17·2	18·3	16·9	16·7	16·0	15·3	15·3	16·5	19·5	22·5	25·2	25·2	24·2	22·0	20·0	18·5	18·0	18·0	18·0	18·1	17·5	17·6	
16*	17·6	17·6	17·3	17·1	16·7	16·0	14·6	13·4	13·5	15·3	19·6	22·9	25·7	25·8	23·7	20·9	19·4	18·9	18·9	18·1	18·4	18·4	18·2	18·3	
17	18·0	18·0	17·1	17·0	17·0	16·4	15·4	13·7	13·7	15·2	18·2	22·0	24·1	24·1	23·1	21·2	19·7	19·1	19·0	18·6	18·2	18·0	17·7	17·6	
18	17·4	17·2	17·0	16·9	16·7	16·3	15·6	13·6	13·3	16·6	17·1	20·7	22·0	24·5	25·0	23·6	20·6	18·6	18·8	18·3	18·3	17·8	17·3	16·8	
19	16·8	16·8	16·7	16·7	16·4	15·9	14·7	13·2	12·3	13·4	14·9	18·2	20·6	22·0	21·7	21·0	20·3	20·2	19·4	18·4	17·7	17·4	17·4	16·7	
20	16·3	16·3	16·0	15·9	16·0	16·3	15·9	13·8	12·3	12·6	15·0	18·3	21·6	24·1	23·9	23·3	21·5	19·8	18·7	18·1	17·5	17·2	16·9	17·0	
21	17·1	16·9	16·7	16·1	15·6	15·5	14·4	12·4	10·6	11·7	14·4	19·7	22·9	24·9	24·7	22·9	20·7	19·2	18·4	17·7	17·5	17·0	16·3	14·5	
22	15·9	15·7	15·7	15·7	15·7	15·9	14·8	12·5	10·5	10·5	13·5	18·0	22·6	24·6	24·6	22·7	20·3	18·6	18·1	18·0	17·7	16·0	15·9	15·7	
23**	15·9	15·7	16·6	16·6	16·5	16·1	15·0	14·7	11·8	12·7	15·7	22·0	24·7	27·9	26·6	23·3	20·9	18·9	17·7	17·2	16·8	17·0	16·8	16·7	
24	16·1	15·2	15·0	15·6	15·6	16·1	14·6	12·3	11·0	10·9	14·9	20·1	24·1	25·3	25·0	23·2	20·7	19·1	18·5	17·8	18·0	17·5	16·8	16·4	
25*	16·5	17·0	17·1	17·2	17·1	16·6	15·6	13·6	12·2	13·4	16·7	20·4	23·9	25·6	24·7	22·5	20·8	19·8	19·3	19·0	18·8	18·4	18·1	18·0	
26**	15·7	11·3	14·3	14·7	14·8	13·4	13·8	16·1	15·2	16·4	20·1	24·5	29·0	31·8	30·3	27·2	25·4	20·0	19·8	16·8	17·3	16·8	11·3	14·8	
27**	16·8	17·4	16·8	16·8	16·6	16·3	15·5	13·7	12·7	15·1	18·6	21·9	23·8	24·8	23·9	21·7	20·1	19·6	19·4	19·1	18·6	18·5	18·2	17·9	
28	17·4	18·0	17·6	17·3	16·7	16·3	14·7	12·7	11·8	13·6	18·1	23·2	23·9	24·9	24·4	21·8	19·9	19·2	18·7	18·2	17·9	17·7	17·5	15·1	
29**	12·8	13·0	12·6	14·4	13·6	14·4	12·9	12·4	11·9	13·8	17·5	23·1	26·0	27·9	25·2	20·8	20·4	19·5	18·2	17·2	17·5	17·4	15·7	16·2	
30	16·8	16·5	16·1	16·5	16·3	16·1	15·4	13·4	11·6	12·6	15·6	19·4	22·1	22·7	21·1	19·3	18·8	18·7	18·3	17·7	17·9	17·3	16·0	15·4	
Mean	17·0	16·7	16·5	16·2	16·0	15·7	14·8	13·7	13·1	14·7	18·1	21·8	24·2	25·1	24·0	21·8	20·1	18·9	18·6	18·2	18·0	17·8	17·1	17·0	
Mean*	17·4	17·4	17·2	16·8	16·3	15·9	14·7	13·6	13·5	15·3	18·7	22·3	24·6	24·8	23·4	21·4	19·8	18·9	18·8	18·5	18·5	18·3	18·2	18·2	
Mean**	15·8	15·0	15·7	16·1	15·8	15·8	14·8	14·3	12·9	14·4	18·3	22·9	25·7	28·1	26·6	23·4	21·8	19·9	18·8	17·7	17·4	17·5	16·0	16·6	
October	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	15·2	12·2	12·5	11·5	12·6	14·4	13·5	13·0	13·8	15·1	17·0	20·1	21·9	22·9	22·7	21·3	20·4	19·8	18·1	17·9	17·8	17·4	17·4	16·3	
2*	16·4	17·3	17·0	16·9	16·6	16·2	15·0	13·0	11·8	11·9	15·0	18·8	22·3	23·5	23·3	21·5	19·9	19·4	19·5	18·5	18·5	18·3	17·4	17·2	
3*	17·3	17·4	17·4	17·6	17·6	17·0	16·3	14·6	13·4	14·0	17·4	21·9	25·2	27·7	27·2	23·9	21·2	19·7	19·3	18·5	18·3	18·2	17·8	17·3	
4	16·2	17·1	17·4	17·9	17·9	17·6	16·6	14·9	12·9	12·3	15·1	19·5	23·4	25·0	24·6	23·1	21·1	20·3	19·9	19·2	18·8	17·3	17·5	17·5	
5	17·9	18·0	18·0	17·6	17·0	16·8	16·1	13·9	12·4	13·3	16·2	20·9	24·5	24·4	23·6	21·4	19·5	19·8	20·7	16·9	16·7	12·7	12·9	13·2	
6	14·2	15·7	14·6	14·9	17·5	19·6	17·4	14·5	13·4	14·0	18·4	20·5	22·4	23·7	24·4	23·0	21·1	20·0	19·3	17·8	16·7	15·3	13·7	12·3	
7	13·5	15·3	16·3	16·6	17·1	16·8	16·3	13·9	12·9	14·9	16·2	20·9	22·2	23·2	23·2	20·4	20·0	19·9	19·1	18·4	13·8	14·5	13·2	10·6	
8	15·5	17·2	16·2	15·4	15·9	19·4	18·2	16·4	14·2	13·8	15·0	18·5	21·1	22·2	22·5	20·1	20·1	19·4	18·3	13·6	17·2	17·9	18·0	17·6	
9	17·6	17·4	17·7	19·2	17·1	16·2	15·4	14·1	15·2	15·2	19·2	25·2	26·1	26·1	25·5	22·7	20·0	18·0	13·4	11·1	14·4	14·5	16·8	17·0	
10**	15·1	9·4	8·5	12·6	19·1	20·0	20·6	18·5	14·3	18·1	21·2	25·1	26·8	28·1	26·4	22·3	18·8	17·1	16·7	17·2	17·1	17·1	17·5	17·6	
11	18·0	17·6	17·3	17·5	17·3	16·6	15·2	12·7	11·0	12·0	15·3	19·0	21·7	22·4	22·0	20·0	19·0	18·9	18·9	18·2	18·0	17·6	17·4	17·5	
12	17·3	17·4	17·2	17·1	17·1	16·6	15·8	13·4	12·4	13·6	17·4	20·3	21·6	21·8	21·2	19·5	18·5	18·3	18·2	17·7	17·3	17·4	17·5	17·3	
13	17·4	17·6	17·4	17·2	16·9	16·3	15·7	14·0	12·6	14·3	18·6	22·0	23·0	23·3	21·7	20·0	19·2	19·8	19·0	18·3	17·5	17·4	17·4	17·4	
14	17·6	17·7	17·5	17·5	17·3	16·7	16·0	14·4	13·5	14·5	18·6	22·5	25·1	25·1	25·2	22·8	23·4	21·3	19·0	17·5	16·7	16·6	16·7	17·0	
15	17·0	16·5	15·9	10·7	13·4	13·9	13·7	12·9	13·3	14·0	17·0	21·0	22·5	22·7	22·1	19·7	18·5	18·6	18·6	17·7	17·3	12·8	13·1	12·3	
16**	16·8	17·4	16·9	17·4	17·6	17·8	16·9	15·5	15·4	16·4	18·9	21·5	22·6	23·2	22·4	22·4	22·1	17·6	19·7	13·5	9·9	10·4	9·2	3·7	
17**	4·5	7·6	13·6	11·7	20·4	24·3	24·6	21·3	16·8	16·7	20·3	22·7	21·7	23·7	21·7	18·3	17·3	17·7	17·2	17·7	17·0	16·7	16·6	16·7	
18	16·8	16·9	17·1	17·3	17·1	16·8	16·2	14·0	12·6	13·8	17·8	21·8	23·7	23·4	21·9	20·1	18·7	18·6	17·9	17·3	17·0	16·8	17·2	17·3	
19	17·5	17·6	17·6	17·6	17·0	16·7	16·0	14·4	13·4	14·4	17·6	21·5	23·2	23·6	22·0	20·4	19·6	18·7	17·9	17·8	15·8	14·4	15·2	16·1	
20	15·7	12·2	10·2	12·9	15·7	15·7	15·7	14·5	13·6	14·6	17·6	20·2	22·5	24·1	23·4	18·4	18·4	21·9	21·2	19·1	18·1	17·2	16·6	16·1	
21	15·0	15·3	17·0	17·4	16·6	16·2	16·0	16·0	15·0	16·1	18·7	21·3	22·0	22·4	22·4	21·0	19·8	18·9	18·4	17·9	17·3	16·8	16·8	16·6	
22*	16·9	16·9	17·0	17·1	17·0	16·6	16·4	15·3	14·0	14·0	16·9	19·3	20·9	21·4	20·2	19·5	19·1	18·5	18·1	17·9	17·4	17·1	17·0	17·0	
23	16·6	16·2	16·4	16·6	16·6	16·1	16·1	15·1	13·9	14·6	17·9	21·1	22·1	21·3	21·0	19·9	19·8	20·0	20·4	16·6	16·4	16·4	12·1	7·6	11·4
24**	14·1	13·6	15·4	15·7	15·8	14·5	14·5	13·7	13·4	14·6	17·8	23·9	24·6	23·1	20·7	23·4	22·7	22·6	18·6	17·0	15·7	15·6	12·1	14·5	
25	15·1	16·1	16·4	16·1	16·1	16·0	15·4	14·6	13·9	14·8	16·1	19·1	19·3	20·5	19·6	17·9	18·0	17·6	17·3	17·1	17·0	16·9	16·6	16·6	
26	16·0	16·0	16·0	15·8	16·4	16·0	15·6	14·9	14·9	17·2	20·9	22·5	21·9	22·1	20·9	19·3	18·3	17·2	17·0	16·9	16·5	16·2	16·2	16·2	
27*	16·2	16·0	16·1	15·9	15·9	15·8	15·2	14·8	13·8	14·3	16·9	18·9	19·8	20·1	18·9	17·8	17·3	17·3	17·1	17·3	16·8	16·8	16·8	16·8	
28*	16·7	16·9	16·7	16·2	16·0	15·2	14·9	14·1	13·1	14·0	17·5	20·3	20·8	21·3	20·4	18·9	18·3	17·8	17·4	16·9	16·6	16·4	16·3	16·3	
29	16·5	16·1	16·4	16·3	15·9	15·1	14·8	13·6	12·6	14·1	17·6	21·1	21·5	21·0	20·7	18·7	17·7	18·0	17·2	16·9	16·5	16·2	15·2	15·4	
30	16·4	16·2	15·9	16·6	15·1	14·7	14·7	13·9	12·7	14·3	17·4	20·3	21·0	20·1	18·6	18·1	18·0	18·4	18·0	17·5	16·6	16·5	16·5	16·0	
31**	16·5	18·5	18·5	15·3	15·6	14·6	15·0	14·9	14·7	16·7	22·7	21·7	24·8	24·8	24·5	20·8	18·0	16·3	15·9	15·8	15·1	15·1	15·3	15·8	
Mean	15·9	15·9	16·1	16·0	16·6	16·7	16·1	14·7	13·6	14·6	17·8	21·1	22·7	23·2	22·4	20·5	19·5	19·0	18·3	17·2	16·6	16·0	15·7	15·5	
Mean*	16·7	16·9	16·8	16·7	16·6	16·2	15·6	14·4	13·2	13·6	16·7	19·8	21·8	22·8	22·0	20·3	19·2	18·5	18·3	17·8	17·5	17·4	17·1	16·9	
Mean**	13·4	13·3	14·6	14·5	17·7	18·2	18·3	16·8	14·0	16·5	20·2	23·0	24·1	24·6	23·1	21·4	19·8	18·3	17·6	16·2	15·0	15·0	14·1	13·7	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE I.—HOURLY MEANS OF MAGNETIC DECLINATION AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	15·7	16·1	16·2	16·3	15·9	15·3	14·6	13·7	12·9	13·7	15·7	18·0	18·5	19·6	18·8	18·2	17·7	17·8	17·1	16·6	16·2	15·6	16·0	16·1	
2	16·4	16·5	16·5	16·6	16·5	15·6	15·0	14·1	12·6	13·5	16·0	18·3	19·5	19·9	20·0	18·9	18·3	18·1	17·5	17·5	16·5	14·0	12·1	13·0	
3**	14·6	15·1	15·0	14·4	19·5	15·7	15·6	16·9	14·5	13·3	15·6	20·2	22·3	25·3	26·1	25·5	24·9	22·9	18·4	16·7	12·5	10·5	11·4	7·4	
4	12·4	13·5	11·9	7·0	11·6	14·5	14·0	13·1	11·5	11·6	14·0	16·1	18·3	19·8	21·0	20·1	18·0	16·8	16·7	16·5	16·0	15·5	15·7	15·0	
5	13·0	9·5	15·5	15·3	14·8	14·6	14·8	14·6	13·6	13·8	15·1	18·5	19·5	20·7	20·2	19·4	18·0	17·3	16·9	16·7	16·2	13·0	14·4	15·5	
6	15·6	15·4	16·6	16·6	16·1	15·5	15·3	14·1	12·6	12·8	14·6	17·5	19·5	20·6	20·6	19·6	18·4	17·8	17·3	16·9	16·2	14·8	10·2	9·6	
7	13·3	14·9	16·1	16·1	15·6	15·2	15·3	14·6	12·6	12·9	15·2	18·4	20·6	22·6	23·9	22·6	20·7	20·0	19·4	15·8	15·6	11·1	10·4	12·9	
8	14·9	15·6	16·5	16·0	15·7	16·1	16·4	14·9	13·6	14·2	15·9	18·1	19·6	20·1	19·5	18·9	17·0	16·7	18·1	17·2	16·3	14·8	8·3	12·1	
9	11·9	11·3	17·7	14·1	15·8	15·5	14·5	14·2	12·5	13·3	15·4	18·0	19·9	19·8	19·5	19·3	18·4	17·8	17·5	17·0	16·6	16·5	16·4	16·3	
10	16·2	15·6	15·4	15·9	15·5	15·3	15·3	14·9	14·1	14·1	16·3	18·4	20·2	20·5	20·3	19·4	18·8	19·8	20·0	20·0	17·6	15·3	14·1	15·3	
11**	16·3	15·7	15·9	16·4	13·9	13·9	16·2	16·0	15·8	14·9	17·5	18·3	20·1	20·9	20·5	20·9	21·6	11·8	14·2	16·4	11·8	9·2	10·3	11·2	
12	11·7	13·3	13·6	15·9	13·8	15·3	14·4	13·8	13·6	14·3	16·5	18·5	20·3	20·6	20·4	19·6	19·2	18·7	17·7	15·4	15·7	16·3	16·3	16·2	
13*	16·3	16·3	16·3	16·1	15·7	15·3	14·8	14·2	14·0	14·1	16·3	18·6	19·6	19·4	18·6	17·9	17·7	17·3	16·6	16·4	16·2	15·9	16·3	16·2	
14	15·0	14·3	14·3	15·1	15·3	14·9	14·6	14·2	13·5	13·9	16·2	18·8	19·5	19·8	19·5	18·8	18·1	17·1	17·1	16·3	16·1	15·2	15·2	15·2	
15**	15·0	13·2	14·1	15·4	15·8	15·6	15·3	15·6	15·0	14·0	17·0	18·6	21·0	23·4	23·9	25·0	21·1	18·3	17·1	16·1	13·1	6·3	10·1	12·1	
16**	14·5	16·4	16·4	16·2	17·1	17·2	16·4	15·2	14·0	14·2	15·2	18·8	20·3	22·3	19·8	21·1	16·1	17·5	16·0	12·5	13·4	12·4	14·7	14·5	
17	15·4	15·2	15·5	15·9	15·4	14·8	14·4	13·9	13·4	13·4	15·4	17·4	18·2	19·2	18·4	18·3	18·6	15·7	16·7	15·7	13·3	9·8	10·8	11·4	
18	13·2	12·0	13·8	16·0	14·7	14·4	14·9	16·8	19·3	16·1	18·4	18·6	20·9	19·4	17·4	17·4	13·5	15·2	15·8	15·4	13·8	11·7	13·6	12·1	
19	13·3	14·0	14·4	14·5	14·9	13·9	13·9	13·6	13·0	13·2	15·9	18·0	18·4	20·6	19·7	20·0	19·4	16·6	14·6	16·0	12·0	13·6	14·6	14·4	
20	14·7	15·4	16·4	16·3	15·6	15·3	15·1	15·2	14·4	15·1	18·4	20·1	20·6	21·9	21·6	20·9	18·5	17·0	15·3	14·8	14·3	14·1	13·3	14·5	
21	16·1	15·2	15·7	15·6	15·8	15·5	15·4	15·2	14·3	14·7	16·1	19·0	20·1	19·1	18·9	18·6	17·6	16·9	16·5	15·9	15·6	15·0	15·0	15·2	
22*	14·9	14·9	15·1	15·1	15·4	14·9	15·0	15·1	14·7	14·9	16·5	18·1	18·4	18·6	18·6	17·8	17·5	16·8	16·3	15·9	15·8	15·5	15·3	15·0	
23*	15·6	15·7	15·6	15·7	15·5	15·2	15·3	15·1	13·9	14·1	15·8	17·2	18·0	18·2	17·6	17·1	16·5	16·0	15·5	15·4	15·5	15·5	15·7	15·8	
24*	15·9	16·0	16·0	16·1	16·2	15·9	15·5	15·4	14·7	14·7	16·7	18·3	19·8	19·5	19·3	19·4	18·1	17·4	16·5	16·2	15·7	15·3	15·3	15·7	
25*	15·1	15·1	15·1	15·6	15·5	15·8	15·0	14·6	14·1	14·8	16·5	18·8	19·5	19·2	18·8	18·5	17·5	16·9	16·2	16·0	15·8	15·3	15·3	15·1	
26	14·8	14·6	14·9	15·3	15·3	14·2	14·8	14·4	14·2	14·8	17·4	19·6	20·8	20·3	19·2	19·2	19·4	18·2	20·7	18·6	17·4	15·8	15·3	14·7	
27	14·5	13·9	13·8	15·4	15·3	14·8	14·8	14·3	13·8	14·5	16·6	18·8	19·4	19·4	18·7	18·0	17·1	16·4	15·8	15·8	15·6	15·2	15·4	15·8	
28	15·6	15·9	15·9	16·1	15·9	15·3	14·9	14·3	13·8	14·2	15·7	17·7	19·7	20·0	20·0	19·5	18·6	17·4	17·0	17·0	16·8	16·5	15·6	15·7	
29**	6·9	8·9	11·4	14·7	22·5	25·0	22·4	16·0	19·5	21·0	17·2	19·6	20·4	20·6	19·2	17·0	16·1	15·9	15·4	15·0	11·9	13·6	13·5	14·3	
30	14·5	14·4	14·5	14·6	14·3	14·1	13·7	13·3	12·5	12·5	14·0	(15·1)	(16·7)	18·3	(17·9)	(17·9)	15·3	15·6	(16·6)	15·5	14·7	14·2	13·9	13·1	
Mean	14·4	14·5	15·2	15·3	15·7	15·5	15·3	14·7	14·1	14·2	16·1	18·3	19·7	20·3	19·9	19·5	18·3	17·3	16·9	16·2	15·1	13·9	13·8	14·1	
Mean*	15·6	15·6	15·6	15·7	15·7	15·4	15·1	14·9	14·3	14·5	16·4	18·2	19·1	19·0	18·6	18·1	17·5	16·9	16·2	16·0	15·8	15·5	15·6	15·6	
Mean**	13·5	13·9	14·6	15·4	17·8	17·5	17·2	15·9	15·8	15·5	16·5	19·1	20·8	22·5	21·9	21·9	20·0	17·3	16·2	15·3	12·5	10·4	12·0	11·9	
December	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	13·6	14·8	14·8	15·5	15·2	14·9	13·6	14·1	13·6	14·5	14·7	16·5	18·6	(18·0)	19·4	19·3	17·5	16·0	15·2	13·2	13·7	13·5	13·5	14·0	
2	14·5	15·4	16·0	16·8	15·9	15·0	15·0	14·6	13·4	13·6	15·5	17·0	18·2	19·1	18·5	18·0	17·3	16·7	16·1	15·7	15·3	13·3	13·7	11·6	
3	12·7	12·7	12·8	13·0	13·7	14·8	14·8	14·3	13·8	14·5	16·0	(18·3)	(19·4)	(19·9)	19·6	19·8	17·6	16·5	16·8	16·2	14·6	13·6	14·1	12·6	
4**	12·6	14·1	14·6	16·5	17·6	15·8	14·9	14·6	14·6	13·1	14·5	18·3	18·6	19·6	18·6	19·9	18·2	17·5	16·1	16·4	15·9	15·5	15·1	14·7	
5	15·8	15·6	13·9	14·3	14·7	14·4	14·7	14·5	14·4	14·7	15·4	17·3	18·2	19·1	18·7	18·2	17·6	17·1	17·1	16·1	15·4	15·1	13·8	13·5	
6	14·4	14·4	14·9	14·0	14·5	15·1	14·8	14·4	13·7	14·0	15·3	17·2	18·4	19·1	19·6	18·1	18·4	18·5	18·6	17·1	14·6	15·1	14·2	12·0	
7	13·5	13·3	14·6	15·3	14·7	14·6	14·7	14·5	14·0	14·6	15·6	17·1	18·6	19·1	19·1	18·4	18·6	18·5	18·4	17·4	13·8	15·2	14·8	14·9	
8	15·0	14·4	14·8	14·8	15·1	14·6	15·0	14·7	14·1	13·5	(13·7)	(15·5)	17·3	18·8	18·1	17·7	16·8	16·1	16·4	16·4	13·8	15·3	15·1	15·1	
9*	15·1	15·0	15·3	15·3	15·2	14·9	14·9	14·5	13·5	13·1	13·9	16·1	18·5	19·5	19·0	17·9	17·3	16·1	16·1	16·3	16·0	15·1	14·6	14·6	
10*	15·1	15·0	14·8	14·5	15·5	15·0	14·1	13·7	13·5	13·5	15·3	17·5	18·9	19·2	18·6	17·8	16·8	16·4	15·3	15·3	14·9	14·7	14·7	14·8	
11	15·2	15·3	15·7	15·2	14·8	14·4	14·2	13·3	13·0	13·0	15·1	17·6	18·6	18·1	17·1	17·5	16·5	15·1	15·5	15·0	14·2	14·3	14·1	14·6	
12**	14·9	14·9	14·9	15·9	15·9	15·8	15·1	14·2	14·3	14·1	14·9	16·9	18·4	19·4	20·1	19·9	19·5	18·8	18·0	17·4	18·9	16·2	14·9	14·0	
13**	14·8	15·6	15·1	15·4	16·0	15·8	15·2	14·6	14·6	14·6	16·0	16·9	17·5	17·6	16·7	16·7	16·7	16·5	16·1	17·1	14·7	13·8	11·5	13·8	
14	14·6	14·5	15·2	14·2	14·7	13·3	14·4	14·2	14·7	14·7	14·7	16·2	18·3	18·8	17·9	17·8	17·2	14·7	15·3	14·8	14·3	13·7	13·7	13·7	
15	14·3	14·8	14·8	14·8	14·5	14·3	13·9	13·8	13·8	13·3	14·9	17·3	17·4	17·7	17·3	17·0	16·4	15·9	15·4	15·0	14·4	13·7	14·0	14·3	
16	14·6	15·0	15·6	15·6	15·6	15·2	14·9	14·6	13·8	13·5	14·4	15·6	17·5	17·9	17·7	17·8	17·0	16·2	15·7	15·6	14·1	11·8	13·7	13·7	
17	14·4	14·8	15·2	15·2	15·4	15·2	15·1	14·7	14·2	13·8	15·5	17·0	18·9	17·9	17·1	16·9	16·6	16·1	15·6	15·2	14·6	14·0	13·8	13·6	
18	12·3	13·1	13·6	15·0	15·1	14·8	15·0	14·4	13·8	14·2	15·8	17·2	17·7	17·8	17·6	17·3	17·1	16·4	15·4	14·9	13·8	13·6	13·6	13·9	
19*	14·4	15·0	15·2	15·5	15·4	15·0	14·5	14·3	13·9	13·5	15·0	17·0	18·1	17·9	17·0	16·3	15·9	15·6	15·4	15·1	14·9	14·5	14·5	14·7	
20	15·0	15·5	15·7	15·9	15·9	16·0	15·5	14·5	14·0	13·4	14·7	17·7	18·6	20·0	19·9	18·0	16·9	15·6	15·5	15·4	12·9	13·1	12·0	11·4	
21	13·1	14·0	14·9	14·4	14·5	14·6	14·8	14·9	14·5	14·2	16·0	17·9	18·9	19·6	18·5	18·5	17·2	17·9	16·4	15·4	14·6	14·1	11·6	13·6	
22*	14·4	14·0	13·7	14·1	14·5	14·6	14·7	14·6	14·4	14·0	14·7	15·5	16·7	17·5	17·5	17·2	16·1	15·5	15·3	15·2	14·8	14·6	14·4	13·2	
23	12·9	13·8	14·9	14·9	14·5	14·5	14·4	14·5	14·1	13·5	(14·5)	(16·2)	16·8	17·6	18·1	18·0	17·0	16·4	16·1	15·6	15·5	14·0	13·1	13·0	
24*	13·2	13·0	13·3	13·9	14·0	14·6	14·3	14·0	13·5	13·8	15·0	16·3	16·9	17·6	17·2	16·7	16·0	15·6	15·1	15·1	15·0	15·0	15·0	15·0	
25	15·5	15·3	15·2	15·2	15·0	14·4	14·1	13·5	12·3	12·6	14·0	15·0	15·5	17·0	18·0	18·0	17·2	17·0	17·0	16·0	15·1	15·0	15·0	15·0	
26	14·8	14·9	14·9	15·1	15·1	15·1	14·5	13·9	13·1	14·2	14·9	15·8	16·0	17·5	17·7	17·5	16·7	16·3	15·9	15·4	14·9	14·4	14·5	14·8	
27**	14·8	15·0	15·2	15·3	15·2	16·1	16·2	16·2	13·7	12·5	13·4	13·8	16·9	18·6	17·7	18·9	18·0	15·5	15·2	15·9	12·2	7·3	10·8	12·7	
28**	7·2	9·7	8·8	14·3	18·4	23·3	18·7	19·3	15·8	13·6	13·9	16·4	19·5	20·3	18·9	15·5	8·6	13·8	14·8	13·6	12·8	12·6	12·6	13·3	
29	13·9	14·6	15·1	14·9	15·2	14·9	14·0	12·6	12·0	12·7	14·1	15·7	17·7	17·8	17·0	15·8	15·2	14·8	14·3	13·5	11·7	11·7	12·7	13·8	
30	14·4	14·9	15·2	15·5	15·2	14·3	14·1	13·0	12·1	11·8	12·6	14·4	16·5	17·4	16·4	16·4	16·4	16·4	15·8	15·1	13·9	13·2	12·7	14·0	
31	14·4	14·8	15·2	15·4	15·2	14·4	14·1	12·9	12·1	12·2	14·1	15·2	16·4	16·5	16·4	17·2	16·5	16·2	16·1	15·1	14·2	13·9	13·8	13·2	
Mean	14·1	14·4	14·6	15·0	15·2	15·2	14·8	14·4	13·8	13·6	14·8	16·5	17·9	18·5	18·1	17·7	16·8	16·3	16·0	15·5	14·5	13·9	13·7	13·8	
Mean*	14·4	14·4	14·5	14·7	14·9	14·8	14·5	14·2	13·8	13·6	14·8	16·5	17·8	18·3	17·9	17·2	16·4	15·8	15·4	15·4	15·1	14·8	14·6	14·5	
Mean**	12·9	13·9	13·7	15·5	16·6	17·4	16·0	15·8	14·6	13·6	14·5	16·5	18·2	19·1	18·4	18·2	16·2	16·4	16·0	16·1	14·9	13·1	13·0	13·7	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January.	18000 γ + Tabular Quantities (in γ).																								
1	527	528	523	520	520	520	519	516	513	507	506	507	513	522	524	523	526	529	533	535	533	531	529	528
2	528	529	528	527	526	526	526	523	520	518	519	520	522	526	527	528	527	532	533	531	531	534	531	531
3*	526	529	529	526	526	526	526	525	520	515	513	511	516	523	526	525	520	526	530	531	536	533	533	533
4*	532	529	528	527	528	528	527	526	522	515	511	514	523	528	528	528	527	529	536	531	535	537	536	532
5	529	528	529	531	530	529	531	532	533	526	519	520	516	518	520	520	528	529	531	533	533	535	535	532
6*	531	529	529	531	533	536	539	539	537	533	531	523	524	528	528	528	527	529	532	533	535	538	537	536
7*	534	534	534	536	538	538	536	535	532	528	526	523	527	531	533	535	536	536	539	540	541	541	541	538
8**	539	536	536	541	549	555	547	534	535	534	531	521	510	505	504	501	501	506	503	518	519	524	529	534
9	539	526	527	533	537	540	531	529	519	519	506	510	519	524	522	514	521	522	513	505	490	503	517	522
10	519	521	522	524	533	538	539	529	531	527	510	509	513	510	516	514	507	510	528	506	516	521	519	522
11	521	523	523	525	528	530	530	530	523	517	519	519	516	521	514	515	526	517	528	530	530	530	528	527
12	530	543	530	522	539	542	534	535	532	526	510	506	504	504	500	515	512	517	519	535	522	519	522	524
13	527	540	544	532	530	538	531	525	519	513	516	513	509	512	518	502	519	525	522	523	504	510	522	530
14	525	523	520	519	522	528	528	522	518	502	506	499	508	518	523	528	523	515	524	527	528	524	532	524
15	525	524	525	528	525	533	535	532	524	527	527	521	522	522	521	522	524	526	532	527	529	530	527	527
16*	526	528	529	532	535	537	537	537	537	528	526	520	520	523	521	524	528	528	529	532	532	531	524	521
17	520	524	523	527	539	537	537	535	534	524	518	516	520	518	520	524	528	533	535	536	534	531	526	526
18**	533	533	533	526	540	544	539	536	532	523	505	506	497	501	510	515	507	489	500	499	507	526	524	523
19	516	517	517	515	519	522	523	530	528	531	528	522	520	514	510	515	520	515	520	520	517	520	523	524
20	526	528	528	522	524	529	529	524	525	523	520	515	520	526	526	523	521	522	519	515	514	508	515	524
21	524	526	518	520	523	523	527	528	531	531	532	528	523	521	518	515	526	531	528	531	513	509	510	533
22	507	510	514	517	525	523	526	524	522	528	520	513	520	529	533	531	525	519	519	516	510	510	512	505
23	520	518	521	523	519	522	524	519	519	520	523	528	528	529	528	531	531	532	533	533	533	531	532	527
24**	518	516	515	514	515	518	520	524	523	522	523	526	527	523	521	520	531	523	487	470	448	492	453	474
25**	477	483	484	481	494	503	501	509	507	497	500	503	497	497	481	484	509	509	513	513	509	513	515	513
26**	513	513	510	510	515	513	515	518	511	507	492	492	494	515	509	496	499	520	523	523	523	523	511	518
27	519	519	525	523	517	527	524	522	524	519	513	509	514	512	511	513	517	516	522	521	520	523	541	526
28	519	522	522	527	531	532	526	519	513	511	508	509	512	519	520	518	519	523	525	527	513	520	522	524
29	523	523	524	522	523	526	525	521	521	520	518	519	523	524	525	526	525	517	519	519	518	521	527	521
30	517	518	517	514	522	526	533	528	520	517	509	504	501	512	517	514	522	515	522	529	527	527	513	514
31	530	515	515	517	520	521	519	517	510	509	514	512	509	516	519	520	521	527	527	525	528	525	540	527
Mean	523	524	523	523	527	529	529	527	524	520	516	514	515	518	519	518	521	522	523	523	520	523	523	524
Mean*	530	530	530	530	532	533	533	532	530	524	521	518	522	527	527	528	528	530	533	533	536	536	534	532
Mean**	516	516	516	514	523	527	524	524	522	517	510	510	505	508	505	503	509	509	505	505	501	516	506	512
February.	18000 γ + Tabular Quantities (in γ).																								
1*	518	520	518	525	526	529	526	525	523	520	517	517	521	519	526	526	526	526	529	526	526	529	526	523
2	527	525	523	524	526	528	527	526	522	521	517	513	514	518	524	530	524	527	509	500	501	505	511	513
3	517	517	514	514	513	514	532	528	527	518	509	515	521	528	527	527	523	518	512	519	525	532	526	527
4	529	531	531	536	534	536	535	532	509	517	513	512	509	512	510	505	501	505	511	514	521	522	525	524
5*	526	529	531	531	530	527	527	532	535	527	523	522	523	518	520	521	526	526	530	531	531	529	528	526
6	539	536	535	535	536	539	539	538	534	531	526	523	523	523	524	521	519	520	527	528	528	526	528	531
7*	532	533	535	539	541	541	541	537	541	541	539	539	542	545	544	535	526	526	522	524	528	531	529	535
8	532	533	535	533	534	535	533	533	536	532	526	526	532	541	542	533	524	523	520	516	514	516	528	531
9	531	533	537	534	549	541	542	535	532	519	509	519	514	511	513	513	510	519	536	533	515	523	520	525
10	524	528	516	523	528	529	528	527	529	529	514	521	514	520	527	516	493	518	521	521	519	532	514	520
11	532	536	519	521	521	520	529	534	529	519	515	512	516	515	516	521	524	525	525	527	527	532	537	534
12	527	527	527	527	530	529	530	532	528	528	521	516	514	516	523	525	525	529	530	534	533	533	534	532
13*	534	532	532	533	534	538	540	542	538	534	532	528	525	524	527	526	525	527	534	533	533	532	533	533
14	537	530	532	533	534	536	537	540	536	536	525	525	532	545	550	542	505	511	519	516	521	516	511	516
15	516	518	520	519	514	519	524	524	525	528	523	516	519	517	531	524	493	510	514	521	521	513	512	517
16**	534	527	531	533	533	536	534	527	527	525	519	484	507	528	509	508	497	503	520	537	541	529	532	530
17**	525	532	516	519	511	517	516	510	508	514	519	511	517	519	512	487	488	495	523	500	487	510	509	506
18	514	507	506	504	504	507	507	507	513	517	515	507	505	508	508	510	506	511	511	511	517	519	521	524
19**	522	528	528	528	519	514	520	520	520	526	522	502	499	506	495	494	503	502	502	502	507	508	485	500
20	506	532	519	505	510	510	514	516	518	520	522	516	516	516	516	507	510	518	520	510	507	525	515	509
21**	510	523	516	516	524	526	514	523	532	535	519	511	512	501	494	500	504	504	519	518	502	491	506	510
22**	516	541	515	529	515	514	511	519	502	501	513	512	511	507	484	487	507	516	519	523	510	542	523	509
23	514	515	519	527	520	516	516	520	526	521	515	510	519	511	511	511	501	497	507	511	500	510	515	513
24	518	523	520	516	512	513	513	512	510	510	513	513	506	520	526	523	519	518	524	521	531	542	524	520
25	521	526	525	526	525	526	525	525	525	525	521	520	517	511	505	515	516	519	527	511	511	502	514	520
26	524	532	520	520	524	519	520	528	529	521	510	497	507	519	510	509	503	506	492	516	505	505	514	523
27	512	508	524	519	511	512	501	516	522	512	519	516	514	505	509	497	506	507	510	517	520	527	524	525
28*	520	520	518	519	520	521	521	520	516	515	510	508	507	510	515	518	518	523	528	529	526	527	527	527
29	528	527	527	525	526	529	531	529	529	526	515	518	522	523	532	523	515	525	524	520	527	526	529	527
Mean	524	527	524	525	524	525	525	526	525	523	519	515	517	519	518	516	512	516	520	520	518	522	521	522
Mean*	526	527	527	529	530	531	531	531	531	527	524	523	524	523	526	525	524	526	529	529	529	530	529	529
Mean**	521	530	521	525	520	521	519	520	518	520	518	504	509	512	499	495	500	504	517	516	509	516	511	511

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued*.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March.	18000 γ + Tabular Quantities (in γ).																								
1	528	526	527	530	530	528	531	533	521	517	519	517	510	516	519	524	526	531	535	534	532	533	532	531
2	531	530	531	531	531	533	533	530	528	524	516	512	513	518	523	525	523	527	535	534	531	534	528	530
3*	532	532	532	532	532	534	536	539	539	535	530	528	526	527	528	527	530	533	541	541	540	541	540	538
4*	538	536	535	537	537	538	539	545	544	538	532	525	522	525	527	530	534	538	543	543	544	542	543	543
5	538	536	529	532	534	536	538	540	540	532	527	530	533	531	532	522	526	531	534	539	540	539	538	536
6	538	535	535	538	536	539	542	544	544	538	522	526	512	518	523	530	519	527	533	537	531	527	526	522
7*	530	531	532	530	530	531	530	534	534	530	525	522	519	514	514	519	524	528	532	534	535	535	535	539
8	538	542	541	540	540	538	543	550	540	528	522	512	504	518	529	508	504	518	525	531	533	530	532	532
9	530	531	532	533	532	535	535	535	532	522	518	519	506	514	522	516	508	518	529	512	528	530	530	530
10	534	536	537	539	538	536	532	534	532	527	519	509	506	510	519	519	528	529	532	534	535	536	540	537
11*	538	538	539	538	539	543	544	542	536	530	522	519	519	526	529	525	526	531	536	540	541	541	542	543
12*	544	541	543	544	546	543	544	545	539	527	519	518	516	519	520	526	526	532	535	536	539	541	541	540
13	540	539	541	541	543	546	550	553	544	532	526	521	526	530	535	539	540	544	543	537	536	538	538	537
14	537	536	538	542	540	542	541	540	535	528	528	528	528	529	529	534	533	529	528	535	538	535	537	534
15	537	530	523	531	535	535	535	527	525	531	530	519	510	518	516	526	524	529	521	518	526	540	539	540
16	528	528	530	532	537	540	540	535	531	521	514	514	517	519	520	526	531	534	533	539	539	539	536	536
17	532	534	539	526	522	522	523	523	521	516	513	514	516	526	528	520	521	528	531	538	537	535	533	545
18	530	530	531	535	523	526	530	526	517	517	516	509	506	517	522	519	527	530	535	523	507	528	528	536
19	538	528	525	517	522	527	527	519	514	509	509	502	503	510	513	519	527	532	538	532	545	530	525	534
20**	531	528	527	530	533	539	525	534	519	506	514	517	501	495	506	514	512	506	513	527	532	530	532	518
21**	520	504	525	521	515	526	509	506	510	499	461	481	499	504	510	497	509	512	530	527	518	527	515	518
22	509	511	518	512	516	517	519	521	519	514	511	503	498	507	505	520	512	521	520	520	543	525	525	527
23**	526	526	529	538	530	512	522	518	497	499	499	478	505	505	517	520	508	495	508	532	508	515	522	524
24**	538	539	524	521	522	518	516	529	518	494	490	498	505	507	497	508	518	525	522	515	529	513	517	526
25**	544	518	521	512	513	516	518	512	502	498	495	482	489	492	497	508	517	519	524	526	518	531	525	531
26	512	514	518	518	509	505	512	505	499	493	488	492	504	511	516	519	520	523	524	531	526	525	508	514
27	521	526	518	521	518	518	513	523	521	503	498	482	489	499	509	509	518	516	517	536	525	509	510	518
28	522	532	530	524	529	522	518	520	509	497	484	475	483	496	507	514	521	527	535	527	527	531	526	527
29	528	527	524	540	535	525	534	526	522	512	503	494	491	500	509	511	519	524	528	530	529	531	527	522
30	519	525	527	526	524	533	534	524	522	512	499	490	497	506	513	522	529	532	537	539	539	539	538	533
31	540	526	532	533	533	538	538	534	526	520	512	494	499	494	496	504	515	531	540	544	542	542	549	549
Mean	531	530	530	531	530	530	531	531	525	518	512	507	508	513	517	519	522	526	530	532	532	532	531	532
Mean*	536	536	536	536	537	538	539	541	538	532	526	522	520	522	524	525	528	532	537	539	540	540	540	541
Mean**	532	523	525	524	523	522	518	520	509	499	492	491	500	501	505	509	513	511	519	525	521	523	522	523
April.	18000 γ + Tabular Quantities (in γ).																								
1	542	538	538	538	539	539	544	543	537	525	519	514	515	511	519	508	513	517	508	511	515	531	537	539
2	527	530	537	527	524	528	528	527	524	514	505	503	495	504	508	515	521	535	540	540	544	542	540	531
3	533	533	533	537	540	542	542	534	527	517	508	501	504	513	521	516	540	529	527	501	508	512	513	529
4	530	519	518	523	524	534	527	518	521	513	495	493	496	503	511	520	526	529	530	530	530	531	532	531
5*	531	530	528	527	527	532	535	532	521	506	493	489	494	498	504	513	521	521	527	530	532	532	536	536
6*	537	536	535	537	541	542	541	535	524	515	506	501	502	506	515	522	527	538	540	542	541	541	541	542
7	542	540	541	540	540	544	542	537	532	522	503	491	492	497	500	494	511	522	525	537	541	541	541	540
8	538	537	538	541	541	539	545	532	521	521	515	503	499	490	498	500	509	519	522	541	540	538	537	537
9	537	532	534	535	537	535	540	537	531	511	500	493	501	511	522	527	529	532	541	541	540	536	535	532
10*	533	532	532	536	538	541	542	537	529	511	503	496	506	516	518	521	528	534	537	540	537	535	535	537
11	541	542	540	535	536	537	535	532	519	509	500	495	506	504	514	514	527	533	540	549	542	540	534	533
12	533	524	529	534	535	536	535	537	536	528	515	503	512	525	526	515	520	538	521	526	537	523	530	538
13	536	531	525	528	523	518	523	529	519	523	510	519	514	532	526	528	532	529	537	536	527	531	529	531
14	530	530	527	526	526	533	530	529	519	518	497	502	504	513	517	521	533	536	543	535	515	502	513	521
15	524	523	522	523	521	525	517	504	484	480	489	478	486	491	499	533	520	525	528	530	530	542	528	525
16	521	517	502	507	510	515	513	510	502	491	480	478	485	499	512	526	535	533	536	537	546	535	530	530
17	532	535	527	525	526	527	523	512	507	494	481	487	495	513	522	535	535	540	546	540	529	517	516	516
18**	538	522	533	538	537	483	499	485	495	490	483	481	486	501	504	527	536	529	527	533	520	509	518	549
19**	533	520	527	540	516	520	514	514	510	481	468	462	487	483	504	499	530	534	530	531	542	527	521	527
20**	522	505	523	508	514	502	488	476	472	468	464	474	468	472	475	490	525	520	536	527	521	529	533	519
21**	528	525	518	497	508	510	505	480	459	466	484	484	471	493	502	497	518	522	527	539	524	519	539	519
22**	471	487	502	497	495	504	482	463	448	446	463	477	473	479	516	509	497	524	535	527	540	530	537	530
23	536	529	506	509	505	488	510	491	475	475	478	472	479	500	524	511	543	533	519	514	527	535	515	516
24	519	524	516	515	514	509	512	520	500	494	485	482	487	500	505	515	526	532	531	531	532	526	524	544
25	539	521	520	518	518	521	517	509	500	489	484	472	478	497	514	521	532	532	532	531	531	541	529	525
26*	525	527	526	525	526	524	528	523	518	508	500	500	504	506	516	519	526	539	541	534	535	534	532	532
27	531	530	530	529	529	532	536	532	524	511	499	496	497	502	513	523	543	543	541	547	540	537	537	539
28	536	538	535	534	532	536	531	528	523	519	522	515	514	507	513	523	532	531	536	534	540	532	528	528
29*	533	534	532	535	536	535	541	538	528	512	500	495	500	510	515	528	532	535	536	539	540	539	539	538
30	537	536	535	535	532	533	538	541	527	513	510	499	501	507	511	515	533	539	544	544	544	544	547	547
Mean	531	528	527	527	526	526	525	520	511	502	495	492	495	503	512	516	527	531	533	533	533	531	531	532
Mean*	532	532	531	532	534	535	537	533	524	510	500	496	501	507	514	521	527	533	536	537	537	536	537	537
Mean**	518	512	521	516	514	504	498	484	477	470	472	476	477	486	500	504	521	526	531	531	529	523	530	529

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
May.	18000 γ + Tabular Quantities (in γ).																								
1	550	530	539	536	529	523	531	534	523	514	508	495	498	495	509	518	528	535	540	541	541	540	540	541
2	539	546	545	534	534	537	536	536	528	518	508	502	510	521	518	526	532	536	543	543	541	541	540	541
3	539	536	534	539	539	538	536	528	518	513	510	520	527	532	539	541	541	548	553	554	550	550	555	559
4	562	559	557	549	551	549	544	533	522	515	509	505	526	541	548	507	519	549	554	534	539	519	533	524
5	526	525	526	528	524	516	508	502	502	505	503	507	509	509	516	523	540	544	541	541	538	540	543	547
6	541	540	537	539	539	536	532	525	515	515	510	515	518	514	521	527	533	544	547	543	540	539	538	538
7*	540	540	540	540	543	540	535	525	517	508	517	517	528	535	539	540	543	543	544	546	545	540	538	540
8*	539	541	541	542	545	546	539	526	515	506	499	507	513	519	528	537	545	555	554	547	545	541	540	539
9*	538	539	537	537	539	537	532	521	512	507	504	506	508	513	519	533	542	551	554	552	549	547	545	545
10	544	543	543	540	541	538	530	521	520	524	520	521	503	508	532	542	550	563	563	571	516	546	554	550
11**	548	539	551	548	540	542	539	526	510	499	510	532	526	537	547	525	551	559	558	552	554	555	551	545
12**	547	546	539	537	534	538	536	513	498	502	499	495	485	491	504	525	554	565	601	547	538	552	519	521
13	544	531	516	521	523	519	517	515	512	501	494	491	501	509	515	526	537	545	548	547	547	544	541	537
14	531	532	532	532	535	535	530	521	510	509	509	508	505	518	536	557	540	545	557	548	538	534	527	529
15	530	533	528	522	515	517	511	504	488	496	511	515	520	527	532	531	537	550	546	556	559	530	520	521
16	520	525	550	538	524	516	524	510	492	497	491	514	510	486	510	509	535	542	536	536	534	542	536	545
17	523	517	525	523	518	514	495	493	495	497	493	492	505	511	516	527	539	539	542	544	539	529	532	529
18**	546	511	516	518	521	524	506	475	484	507	504	510	500	500	517	522	525	541	541	581	556	533	556	539
19**	535	530	529	513	516	498	489	495	489	489	472	473	491	515	515	518	528	524	541	567	543	537	520	525
20	525	526	521	515	515	517	504	491	476	486	508	512	508	509	498	529	522	551	566	535	537	541	535	535
21	531	530	524	524	522	512	512	508	491	489	489	489	490	494	509	524	535	545	556	541	547	543	541	533
22	533	539	536	533	529	524	517	504	490	484	484	492	497	501	505	523	531	533	539	539	538	540	537	542
23*	542	532	528	532	530	527	519	507	499	494	493	498	505	511	519	531	529	537	543	546	541	539	540	534
24*	533	534	537	540	541	534	521	509	499	493	494	498	508	518	530	536	538	544	544	543	542	543	542	541
25	541	543	544	544	544	543	538	534	528	517	512	507	507	520	523	535	540	546	557	554	544	542	544	544
26	550	542	544	545	548	544	536	523	510	494	494	492	505	486	515	533	544	542	550	551	542	544	547	537
27	532	533	535	536	537	536	531	522	506	495	491	499	506	511	524	531	545	542	552	553	551	550	540	541
28	543	550	537	539	542	537	529	513	509	506	507	504	506	506	516	534	546	568	547	548	552	550	550	546
29**	542	539	539	542	545	543	535	526	521	503	493	513	506	496	485	511	532	547	534	545	548	531	522	526
30	526	532	532	532	534	529	519	513	513	513	515	515	517	515	510	517	524	553	570	579	576	569	567	574
31	568	571	553	547	535	529	521	517	507	499	499	501	504	515	524	530	534	538	548	550	545	542	542	541
Mean	539	537	536	534	533	530	524	515	506	503	502	505	508	512	520	528	537	546	551	550	544	542	540	539
Mean*	538	537	537	538	540	537	529	518	508	502	501	505	512	519	527	535	539	546	548	547	544	542	541	540
Mean**	544	533	535	532	531	529	521	507	500	500	496	505	502	508	514	520	538	547	555	558	548	542	534	531
June.	18000 γ + Tabular Quantities (in γ).																								
1**	540	540	539	539	543	540	533	522	509	497	504	508	524	525	518	520	530	544	556	562	562	552	544	544
2**	541	543	546	538	533	553	520	526	522	512	513	521	514	515	525	540	542	579	587	559	533	512	521	517
3	522	531	530	535	520	516	520	517	503	498	487	492	492	495	507	517	523	543	550	555	549	550	552	559
4	546	535	537	538	540	538	531	523	513	507	499	493	496	501	520	523	542	546	546	547	543	547	549	543
5*	540	535	532	533	535	534	527	526	514	510	505	504	496	496	508	525	533	544	548	548	540	538	539	541
6*	543	540	536	534	537	535	527	518	510	506	503	507	512	514	520	527	540	548	552	553	549	546	544	544
7	542	543	543	543	544	543	539	537	530	520	507	514	521	527	534	547	546	558	559	565	559	553	547	550
8	552	552	545	541	545	548	546	533	519	504	500	500	500	512	517	523	547	569	543	558	560	560	555	539
9**	542	547	564	565	519	548	517	480	494	473	479	497	520	488	460	495	501	552	559	556	555	547	542	524
10**	526	531	525	525	527	525	524	528	510	498	493	477	495	485	513	515	538	529	551	556	548	541	535	530
11	524	535	525	530	525	522	515	515	508	503	504	508	509	501	526	524	526	541	550	548	548	542	539	546
12	547	542	537	532	527	526	525	511	517	517	519	518	507	506	512	524	527	539	543	547	543	546	537	535
13	535	525	531	537	530	528	538	532	524	520	510	502	502	514	510	531	541	554	567	564	552	550	537	533
14	535	534	547	534	540	532	520	506	524	515	515	515	509	506	521	530	551	542	555	551	545	543	559	551
15	535	528	538	525	528	530	520	514	504	486	500	515	509	519	534	531	551	565	555	546	546	546	537	541
16	539	543	546	532	526	507	512	506	492	497	495	488	500	527	533	536	546	556	559	550	561	534	534	540
17	537	538	530	532	533	531	514	507	508	512	513	513	505	511	519	525	533	545	552	548	548	542	538	542
18	540	535	530	532	533	530	521	517	511	506	508	500	507	517	537	542	567	559	552	567	573	577	564	548
19**	545	552	543	505	487	443	442	388	(373)	(366)	374	402	432	473	493	520	535	538	542	530	534	522	522	521
20	521	535	534	534	532	532	515	494	481	470	466	471	472	475	485	498	512	532	545	532	526	523	526	525
21	523	524	524	526	532	531	520	509	493	480	466	470	481	502	519	524	533	532	542	542	547	543	540	537
22	531	531	533	535	535	533	531	523	508	489	471	471	481	504	524	543	543	545	552	554	542	538	535	536
23*	535	535	532	531	534	531	531	529	511	493	479	480	490	500	517	526	535	544	548	548	548	543	543	543
24	543	544	543	543	546	549	546	535	518	501	493	498	505	512	527	555	563	545	533	559	560	548	548	545
25	540	535	539	542	548	545	537	528	520	514	504	500	504	512	523	539	548	551	552	555	552	548	545	545
26	545	544	543	549	548	544	532	525	521	507	502	506	513	522	538	522	555	545	558	565	560	547	532	533
27	531	540	531	537	536	535	530	520	510	499	496	504	513	518	522	535	543	551	556	554	548	544	545	543
28	547	536	536	537	542	538	530	522	518	512	510	510	509	510	516	525	538	549	559	559	555	558	557	551
29*	547	549	543	544	544	543	540	532	518	509	514	517	522	520	522	535	541	549	558	548	545	542	539	539
30*	538	537	539	541	543	541	535	531	526	514	514	518	524	517	532	545	549	559	565	559	556	553	549	547
Mean	538	538	537	536	534	532	525	515	507	498	495	497	502	508	518	528	539	548	553	553	550	545	542	540
Mean*	541	539	536	537	539	537	532	517	516	506	503	505	509	509	520	532	540	549	554	551	548	544	543	543
Mean**	539	543	543	534	522	522	507	489	(482)	(469)	473	481	497	497	502	518	529	548	559	553	546	535	533	527

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued*.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July.	18000 γ + Tabular Quantities (in γ).																								
1	548	540	540	542	542	538	532	525	516	509	509	509	517	523	530	540	540	548	552	555	555	553	550	549	
2**	558	566	570	574	557	533	540	522	503	482	464	464	465	462	494	493	485	508	516	541	520	521	522	520	
3	524	519	516	522	524	516	505	494	493	492	489	490	496	501	507	525	531	535	538	545	535	528	525	524	
4	523	523	524	523	523	521	515	512	506	490	487	497	506	509	516	530	541	544	549	535	546	548	535	537	
5	536	537	555	563	566	556	545	530	530	509	483	486	493	498	505	510	540	544	535	551	537	537	532	532	
6**	535	514	527	522	527	522	512	507	510	506	501	506	498	527	531	530	520	545	537	536	527	541	535	537	
7	529	518	521	519	514	516	506	496	481	447	451	488	511	506	523	532	551	559	542	542	540	533	535	533	
8	549	538	534	528	535	527	511	500	490	483	480	495	506	524	528	528	545	551	550	563	535	533	532	532	
9	527	528	528	529	531	531	527	518	509	501	503	509	516	516	520	532	545	555	558	549	540	528	536	535	
10**	545	535	535	532	541	525	536	524	522	518	511	499	497	506	535	577	564	542	562	555	527	516	498	509	
11**	519	506	535	510	511	518	506	494	473	464	477	497	509	515	538	555	562	553	553	536	535	526	529	531	
12	530	535	527	532	528	526	526	520	508	507	498	498	497	495	511	519	529	540	548	555	550	575	541	534	
13	531	532	541	530	522	528	524	521	510	489	480	481	492	506	510	528	544	550	554	543	533	533	535	533	
14*	528	528	528	529	530	529	523	518	514	512	506	504	506	515	519	530	540	542	548	546	544	540	534	532	
15*	532	529	532	530	529	526	518	516	515	510	507	506	509	519	533	536	533	539	544	537	541	541	539	541	
16	537	539	552	557	548	544	528	513	507	503	500	496	493	506	519	535	544	554	552	549	552	555	557	562	
17	557	536	548	535	535	533	523	515	505	501	497	505	518	536	540	552	546	575	570	570	550	555	559	578	
18	567	562	561	554	542	536	524	513	497	489	505	520	520	515	514	531	539	542	554	552	545	545	542	543	
19	540	536	537	536	533	531	526	515	502	495	488	493	501	513	522	531	536	546	546	548	545	544	545	541	
20	533	537	537	536	535	528	523	511	497	489	489	500	509	515	532	542	547	545	537	536	539	538	537	540	
21*	538	536	538	534	536	538	535	527	512	504	495	496	505	515	527	540	545	545	545	542	543	541	540	540	
22	540	540	540	540	540	545	538	525	512	509	505	499	504	514	518	528	534	543	551	553	551	545	543	535	
23*	535	535	536	539	540	538	532	519	502	489	487	493	509	521	525	532	541	543	543	545	543	542	541	540	
24*	540	540	539	540	540	542	538	527	518	517	514	517	519	519	519	535	544	550	555	558	554	551	548	550	
25	548	545	544	545	545	552	540	528	517	508	504	496	510	520	514	535	545	549	553	552	553	552	553	542	
26	541	552	543	537	535	535	531	521	506	501	500	512	519	528	535	540	544	543	545	545	544	542	541	538	
27	539	535	535	538	541	543	538	531	517	502	500	509	519	528	530	540	535	549	556	559	556	540	544	540	
28	547	535	531	527	551	541	527	518	514	513	512	527	534	540	543	527	531	544	556	551	547	543	543	545	
29**	545	546	545	544	543	535	542	541	534	519	527	518	519	509	547	514	501	540	540	536	540	538	522	526	
30	519	515	528	535	515	525	522	506	499	496	505	500	500	508	515	523	527	532	536	538	536	536	532	531	
31	530	530	531	531	532	533	531	522	508	491	487	513	519	519	514	531	547	537	544	549	547	551	544	548	
Mean	538	534	537	536	535	533	527	517	507	498	496	501	507	514	523	532	538	545	547	548	542	541	538	538	
Mean*	535	534	535	534	535	535	529	521	512	506	502	503	510	518	525	535	541	544	547	546	545	543	540	541	
Mean**	540	533	542	536	536	527	527	518	508	498	496	497	498	504	529	534	526	538	542	541	530	528	521	525	
August.	18000 γ + Tabular Quantities (in γ).																								
1	544	541	535	538	538	533	514	514	515	506	501	504	505	509	517	530	538	538	537	532	538	538	539	545	
2	535	538	532	533	532	530	530	522	506	497	500	509	518	529	538	542	534	541	553	549	545	560	538	538	
3	540	538	542	540	537	532	528	520	512	504	502	509	514	531	546	536	542	551	558	545	551	551	534	532	
4	535	535	539	530	538	535	525	514	506	500	487	499	510	522	536	540	543	545	543	543	540	541	541	540	
5**	540	540	540	542	540	538	531	525	514	513	512	512	515	519	534	522	540	558	553	546	541	536	532	530	
6**	532	527	530	540	541	523	501	501	493	493	496	499	504	513	517	538	548	547	545	548	541	538	536	536	
7*	537	536	536	537	537	536	531	521	510	504	504	510	522	530	535	539	545	547	548	551	548	547	544	539	
8**	545	539	536	537	540	539	532	526	522	512	510	513	530	532	524	537	556	569	553	567	549	536	530	530	
9	539	535	540	532	529	535	530	523	516	510	506	500	502	506	517	517	527	545	545	551	540	541	538	540	
10**	535	530	535	541	543	540	532	516	505	509	504	500	501	490	507	517	529	540	546	544	540	539	536	536	
11*	532	533	530	526	530	528	526	517	508	502	502	507	507	508	520	521	531	538	543	542	539	540	536	535	
12	534	534	535	535	531	527	525	523	518	518	516	518	516	514	529	529	535	538	543	548	547	541	553	545	
13	532	532	534	540	546	538	530	521	510	505	507	521	522	522	523	529	535	541	551	552	545	539	538	538	
14	536	539	539	539	539	537	529	526	524	523	525	525	520	519	520	523	532	538	548	551	555	554	549	548	
15	550	547	546	546	545	546	542	536	523	513	509	504	502	501	504	521	533	539	541	540	538	541	536	537	
16	539	546	534	534	536	537	533	525	520	513	510	504	508	515	523	530	541	537	546	542	537	536	536	534	
17	536	534	536	534	533	530	523	512	506	504	502	509	519	523	526	529	532	539	543	544	541	542	542	538	
18*	539	541	539	537	534	533	526	514	507	503	503	507	513	519	529	532	538	542	542	542	541	540	542	542	
19*	542	540	542	542	543	542	537	531	523	516	504	503	503	513	524	533	534	542	547	547	545	546	543	543	
20	542	542	542	542	543	545	542	538	529	517	502	504	517	525	538	532	542	549	552	545	542	539	533	542	
21	552	540	536	535	537	536	529	517	511	506	497	499	512	520	523	526	533	541	545	543	545	543	542	541	
22	541	543	541	538	538	541	534	530	523	517	510	502	500	507	515	526	538	551	552	543	543	541	541	541	
23*	538	537	538	538	537	534	530	523	517	511	508	502	502	510	516	522	534	548	551	551	547	546	547	544	
24	538	539	541	541	541	538	533	521	509	503	500	507	516	522	525	529	536	547	550	553	550	547	545	545	
25	548	546	543	542	543	542	539	529	518	506	497	501	516	528	536	544	541	553	557	559	553	553	540	537	
26	536	541	536	538	538	538	535	530	524	523	515	514	519	539	550	542	541	545	552	552	549	549	546	545	
27	541	538	543	541	538	538	539	539	529	517	512	506	522	520	537	530	541	543	549	551	549	546	543	549	
28	542	535	533	532	524	533	531	516	512	521	526	529	534	529	529	528	533	537	544	545	548	554	544	542	
29	541	540	541	542	540	537	535	529	522	523	519	519	527	533	532	532	535	540	542	550	550	548	558	558	
30**	544	535	521	509	540	532	527	520	505	492	497	504	512	523	528	514	523	548	524	544	542	535	532	530	
31	535	539	529	527	527	522	517	512	506	501	501	503	518	525	527	528	530	533	542	544	535	533	533	535	
Mean	539	538	537	536	537	535	530	522	514	509	506	508	514	519	527	530	537	544	547	547	544	543	540	540	
Mean*	538	537	537	536	536	535	530	521	513	507	504	506	509	516	525	529	536	543	546	547	544	544	542	541	
Mean**	539	534	532	534	541	534	525	518	508	504	504	506	512	515	522	526	539	552	544	550	543	537	533	532	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September.	18000 γ + Tabular Quantities (in γ).																								
1	536	534	537	531	527	525	519	513	500	492	494	504	519	524	526	523	526	530	532	539	535	534	535	536
2	539	538	541	525	526	522	517	508	493	484	481	495	512	530	524	527	532	534	534	535	534	533	534	534
3*	534	535	534	533	530	528	521	508	495	485	484	495	514	523	525	532	531	533	534	536	536	536	538	536
4	540	539	546	534	534	535	528	520	501	479	483	497	510	520	527	528	540	527	533	540	539	549	546	535
5	538	540	545	544	534	538	535	519	504	493	495	503	512	522	530	535	535	535	533	535	539	542	535	535
6	534	535	540	531	527	526	520	512	499	488	491	500	511	525	530	530	530	532	534	538	539	542	536	533
7*	534	534	534	535	535	534	530	524	515	506	506	504	507	514	522	530	536	536	540	541	542	542	543	543
8	541	540	540	540	541	538	535	530	509	501	501	505	511	513	517	521	518	526	536	541	542	536	535	536
9	544	544	534	534	534	534	528	521	523	502	495	489	504	510	499	502	520	532	531	536	541	539	536	536
10	535	536	537	545	537	534	531	527	518	509	496	486	502	510	516	513	511	523	529	533	535	537	537	538
11**	537	531	529	536	534	532	537	535	525	511	490	493	502	509	502	503	511	497	506	519	521	526	529	542
12	527	525	529	525	535	529	525	520	512	505	500	503	505	505	511	516	518	522	529	535	532	541	528	528
13*	532	533	532	532	533	529	529	522	509	498	499	506	511	515	518	520	525	529	535	540	540	537	536	537
14	537	538	540	537	538	537	536	528	517	503	496	505	506	516	519	513	516	524	538	540	540	540	540	542
15	545	541	535	534	537	536	533	526	522	511	506	501	511	519	517	514	522	534	532	532	529	532	532	534
16*	537	536	537	537	535	532	527	519	511	501	495	502	514	524	531	531	533	535	535	538	537	537	537	538
17	538	542	543	540	538	540	535	527	517	507	502	512	518	523	525	529	533	537	540	540	541	542	549	549
18	550	550	548	547	546	542	541	541	532	521	510	503	498	511	516	519	519	526	535	543	545	548	545	540
19	540	540	539	540	540	540	537	534	529	518	509	507	512	522	529	533	535	540	544	545	549	548	547	545
20	542	540	537	539	537	540	544	536	526	513	504	498	505	516	522	528	529	537	544	547	547	547	545	545
21	545	545	547	548	549	552	554	544	532	515	497	501	501	509	519	529	534	539	544	546	545	540	544	540
22	541	545	545	544	547	547	544	538	530	514	498	492	497	505	518	534	540	544	545	549	550	552	552	545
23**	545	548	550	561	562	553	526	531	526	505	487	484	485	492	487	502	522	530	532	534	532	533	534	534
24	534	531	527	525	534	536	534	520	508	495	487	480	487	500	511	517	520	527	533	535	536	534	540	536
25*	534	530	531	532	535	536	535	530	520	504	495	490	495	508	520	528	531	536	540	539	540	540	539	543
26**	554	546	539	540	548	540	523	511	489	484	479	471	470	480	480	491	497	502	496	503	510	510	528	518
27**	518	519	519	521	522	523	522	514	511	508	493	485	492	505	513	515	518	521	530	534	537	534	535	531
28	528	528	530	531	530	528	521	509	496	489	492	496	491	509	519	522	524	528	532	536	540	536	536	546
29**	538	534	529	527	528	526	525	515	505	500	497	497	496	498	498	516	511	521	526	524	527	533	541	536
30	532	531	530	529	529	529	527	520	508	499	499	503	507	512	516	523	524	526	531	530	533	541	540	536
Mean	538	537	537	536	536	535	531	523	513	501	495	497	504	512	516	521	525	529	533	536	537	538	538	538
Mean*	534	534	534	534	534	532	528	521	510	499	496	499	508	517	523	528	531	534	537	539	539	538	539	539
Mean**	538	536	533	537	539	535	527	521	511	502	489	486	489	497	496	505	512	514	518	523	525	527	533	532
October.	18000 γ + Tabular Quantities (in γ).																								
1	539	540	536	543	541	535	528	513	499	485	481	481	495	506	513	523	526	530	525	523	530	533	551	535
2*	533	533	534	534	533	530	525	518	508	495	487	488	497	512	524	525	518	527	537	538	535	535	535	537
3*	537	537	537	537	539	538	533	529	521	504	491	485	491	506	515	521	521	529	534	538	537	537	534	532
4	530	531	534	537	538	539	536	531	526	513	505	498	503	507	524	533	538	539	542	543	542	546	540	535
5	538	540	542	544	547	551	551	544	531	520	505	505	503	508	520	525	522	525	520	497	519	516	512	514
6	524	530	531	527	529	547	539	531	521	507	487	474	481	494	500	502	515	521	523	527	523	520	546	526
7	525	523	524	528	531	536	533	531	507	487	483	485	484	501	500	505	509	522	528	533	518	537	520	515
8	522	534	544	553	532	524	522	518	506	497	488	488	491	499	503	505	515	520	525	541	528	530	529	528
9	526	526	529	535	533	533	531	522	497	488	493	481	474	493	499	496	507	519	519	513	516	515	525	525
10**	542	531	541	537	532	530	522	510	475	455	459	453	468	478	483	487	503	510	510	515	515	519	518	518
11	520	520	518	519	521	521	521	513	500	485	481	481	489	500	513	515	521	527	533	533	534	531	531	531
12	528	528	528	528	529	529	527	520	509	497	495	498	500	503	505	513	522	528	531	532	533	533	530	534
13	534	534	533	532	532	533	537	530	522	511	506	505	507	518	523	529	534	530	531	531	533	535	534	534
14	535	535	535	535	534	533	531	525	513	510	508	507	505	504	503	504	498	498	516	525	532	533	535	537
15	535	532	543	529	531	530	534	530	512	496	498	500	504	510	512	512	520	528	530	532	530	517	531	528
16**	526	530	533	531	531	534	533	518	509	501	498	492	494	505	513	519	509	494	481	466	485	495	500	500
17**	485	492	496	529	511	487	495	492	485	479	466	457	473	481	481	495	505	511	514	526	524	521	518	521
18	519	521	522	522	521	527	523	507	497	492	485	487	496	499	508	512	512	517	520	521	523	521	523	524
19	524	525	527	529	530	527	525	521	511	498	492	481	487	499	505	521	525	525	527	530	518	518	526	522
20	528	546	520	513	515	519	517	513	504	495	487	484	494	507	506	508	512	505	500	504	517	520	522	520
21	525	520	524	525	525	524	522	519	513	504	494	494	497	503	506	509	516	522	525	529	529	529	530	530
22*	529	527	528	530	531	532	533	530	519	512	509	510	512	510	514	520	527	530	534	534	533	534	534	533
23	533	533	531	536	536	536	535	531	524	521	517	512	518	524	530	530	530	535	534	508	518	526	512	513
24**	524	524	523	528	531	537	538	537	530	518	498	493	493	486	501	507	505	472	464	493	513	512	526	530
25	513	514	516	518	521	526	525	518	518	508	504	499	499	507	512	505	515	522	524	526	526	526	525	522
26	519	518	522	521	525	527	526	521	513	505	503	500	495	504	508	518	523	526	530	529	531	531	531	531
27*	529	527	528	529	530	531	534	531	526	519	516	512	511	515	519	523	525	528	530	531	533	533	535	533
28*	532	530	530	530	531	534	535	530	522	510	506	504	504	513	520	518	525	530	531	534	536	538	535	536
29	535	534	534	534	535	538	539	533	520	512	515	518	516	521	526	519	529	534	537	538	538	534	530	532
30	533	533	531	532	539	534	533	526	516	517	518	523	527	531	531	530	531	533	532	534	535	534	535	533
31**	530	548	560	544	546	552	552	544	518	479	467	465	472	464	451	449	470	492	505	508	507	507	507	507
Mean	528	529	530	531	531	531	530	524	512	501	495	492	496	504	509	512	517	520	522	524	526	526	528	526
Mean*	532	531	531	532	533	533	532	528	519	508	502	498	503	511	518	521	523	529	533	535	535	535	535	534
Mean**	521	525	531	534	530	528	528	520	503	486	478	472	480	483	486	491	498	496	495	502	509	511	514	515

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE II.—HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November.	18000 γ + Tabular Quantities (in γ).																								
1	507	507	509	511	511	512	509	506	502	495	488	486	488	491	491	496	499	505	514	517	515	517	517	516	
2	518	520	522	524	525	525	524	520	507	499	495	494	497	507	524	533	538	538	538	530	522	522	522	526	
3**	525	524	528	525	536	547	531	527	512	496	474	479	479	485	487	495	494	488	485	474	511	491	502	494	
4	503	500	503	504	500	514	526	513	504	490	477	468	465	474	482	492	501	520	524	525	525	524	521	517	
5	524	506	520	515	514	521	527	525	520	499	499	490	482	491	497	506	515	521	525	525	525	515	520	523	
6	521	517	519	523	528	536	536	534	524	512	499	500	494	494	500	510	515	517	517	523	523	522	530	529	
7	521	517	517	522	527	530	528	530	522	511	495	489	490	494	498	502	507	511	510	509	519	512	517	515	
8	523	517	515	519	523	523	527	530	523	512	504	502	503	507	511	505	498	509	511	513	521	524	532	518	
9	529	522	520	513	497	507	515	505	503	499	496	490	490	495	502	509	512	521	529	528	529	528	528	529	
10	529	526	530	536	538	539	539	542	526	516	508	506	511	516	518	523	526	542	531	521	517	513	519	515	
11**	515	517	521	522	532	536	528	542	538	519	509	496	489	478	476	488	492	490	490	472	496	510	504	504	
12	499	497	500	518	514	499	507	504	497	491	489	489	493	499	502	507	511	518	516	517	524	527	529	526	
13*	525	524	520	522	524	528	528	523	514	507	503	502	506	511	515	519	522	525	528	528	529	530	530	528	
14	533	520	521	521	525	532	533	529	520	505	503	501	500	504	511	514	515	516	525	532	533	536	534	530	
15**	527	533	528	528	536	545	543	525	525	513	509	504	500	495	487	492	502	517	520	523	518	526	532	518	
16**	512	516	519	523	519	528	530	532	527	515	506	503	491	487	507	516	513	523	519	529	522	526	530	526	
17	520	519	518	523	528	529	528	523	521	515	515	514	514	516	517	520	521	527	529	527	529	558	536	518	
18	523	527	518	520	527	532	535	522	514	519	514	497	503	502	497	504	510	524	521	526	537	544	526	522	
19	515	516	520	518	520	529	528	523	513	509	505	496	489	505	511	516	518	522	540	529	535	546	535	531	
20	533	522	527	529	528	532	540	533	516	498	495	488	483	484	490	497	502	511	517	522	523	522	524	527	
21	530	527	523	524	527	529	529	527	519	511	509	509	504	505	516	522	527	529	529	529	528	528	529	541	
22*	535	529	529	527	527	529	527	529	524	518	512	513	515	519	518	517	519	525	529	529	527	529	531	531	
23*	529	530	532	534	533	534	536	535	530	523	517	513	516	521	522	524	528	531	532	532	534	535	534	532	
24*	532	530	530	532	535	536	537	538	536	531	525	517	518	521	525	525	528	534	539	539	539	539	537	535	
25*	535	533	531	531	535	539	538	535	530	523	520	518	518	519	523	523	530	537	539	539	540	540	540	537	
26	533	530	531	531	533	533	532	530	531	524	523	523	528	532	533	539	536	538	531	519	523	530	534	531	
27	527	527	530	529	530	533	533	530	526	517	513	516	521	522	525	529	530	532	536	537	538	539	535	537	
28	534	533	534	537	539	537	537	535	534	529	522	520	526	527	537	542	547	544	542	540	541	538	534	555	
29**	573	542	509	518	518	521	483	469	462	467	472	471	479	491	491	486	491	492	492	491	482	488	491	496	
30	493	492	491	497	499	501	503	504	501	490	486	(480)	(490)	494	(501)	(498)	500	511	519	519	516	515	512	513	
Mean	524	521	521	523	524	528	527	524	517	508	503	499	499	503	507	512	515	521	523	522	524	526	526	524	
Mean*	531	529	528	529	531	533	533	532	527	520	515	513	515	518	521	522	525	530	533	533	534	535	534	533	
Mean**	530	526	521	523	528	535	523	519	513	502	494	491	488	487	490	495	498	502	501	498	506	508	512	508	
December.	18000 γ + Tabular Quantities (in γ).																								
1	510	510	510	511	510	510	512	504	499	497	489	485	490	(494)	498	501	507	516	520	526	525	513	518	517	
2	517	517	519	520	524	529	530	526	514	517	517	510	510	512	512	517	521	529	526	527	520	507	512	524	
3	520	517	514	525	523	525	525	525	522	510	507	(501)	(500)	(500)	504	508	512	523	520	514	510	517	523	526	
4**	529	521	525	533	551	550	528	533	530	524	521	518	513	508	519	524	513	517	526	529	530	525	526	526	
5	524	521	520	517	520	520	525	524	520	511	507	506	510	518	522	525	526	528	531	524	534	526	522	525	
6	522	516	514	522	523	526	526	526	521	518	511	508	506	515	516	514	517	517	516	515	521	526	528	535	
7	528	526	521	521	523	525	524	523	523	516	508	505	506	512	521	523	515	517	520	516	516	524	524	522	
8	521	519	516	521	521	524	524	524	523	517	(512)	(511)	(512)	518	520	522	524	529	530	526	531	530	532	532	
9*	531	529	527	527	528	530	532	529	525	514	509	508	512	515	512	522	525	530	532	530	530	531	534	535	
10*	534	534	533	531	530	536	535	533	531	528	523	524	527	527	526	522	527	528	531	531	531	532	533	533	
11	536	532	532	535	536	537	535	531	523	517	508	510	518	524	527	524	528	527	531	531	528	530	533	532	
12**	530	528	528	531	534	540	540	535	533	530	522	521	527	547	540	544	535	548	544	541	536	530	527	535	
13**	539	540	543	544	541	534	540	536	534	536	530	532	532	539	537	538	540	536	538	525	530	527	537	532	
14	530	530	528	530	538	547	537	537	536	527	527	527	523	524	517	531	527	531	536	536	535	534	535	535	
15	534	534	534	534	534	535	535	534	533	526	521	517	517	526	532	534	536	535	537	536	536	537	538	536	
16	535	534	535	535	537	540	545	542	542	538	530	529	530	533	539	538	532	537	538	536	534	535	532	534	
17	534	536	536	537	538	539	540	540	539	531	526	526	531	534	536	541	541	540	534	531	536	536	536	533	
18	545	538	535	536	538	540	543	542	533	528	522	518	522	517	528	531	526	529	529	529	528	533	534	532	
19*	533	535	536	537	538	541	541	540	535	524	517	517	521	528	534	536	536	538	538	537	539	538	538	537	
20	536	536	538	539	542	545	547	546	539	525	511	509	508	515	519	530	533	533	532	529	517	518	525	523	
21	523	528	525	528	531	533	535	536	539	534	527	521	519	517	517	520	527	524	530	539	540	536	536	535	
22*	535	534	530	528	529	533	537	536	536	532	522	521	520	524	529	535	539	542	541	540	540	538	534	536	
23	540	534	534	532	537	540	542	537	533	520	(514)	(511)	(514)	(515)	521	526	523	528	(531)	(531)	529	524	522	520	
24*	522	526	523	526	526	533	532	531	531	527	523	522	522	520	520	525	526	530	533	534	534	533	535	537	
25	535	535	534	535	536	537	538	536	535	525	522	526	527	527	530	531	531	533	539	538	540	536	536	538	
26	538	538	537	536	536	537	539	540	540	541	540	538	534	529	528	530	532	534	539	542	544	544	544	544	
27**	542	542	540	548	554	551	555	552	547	534	527	523	523	518	514	513	508	510	501	497	492	507	503	517	
28**	499	518	518	514	513	500	494	495	497	498	481	461	457	462	465	468	455	473	494	492	492	494	491	494	
29	497	499	504	505	509	509	509	505	497	493	499	494	494	487	486	485	487	497	504	503	503	507	511	515	
30	516	516	518	518	520	520	521	520	517	507	501	497	501	504	509	509	512	516	516	504	498	504	514	517	
31	520	521	524	527	527	531	533	532	527	516	510	507	507	514	514	513	515	522	527	529	532	531	525	525	
Mean	528	527	527	529	531	532	532	531	528	521	516	513	514	517	519	522	522	526	528	526	526	526	527	528	
Mean*	531	532	530	530	530	535	535	534	532	525	519	518	520	523	524	528	531	534	535	534	535	534	535	536	
Mean**	528	530	531	534	539	535	531	530	528	524	516	511	510	515	515	517	510	517	521	517	516	517	517	521	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January	42000 γ + Tabular Quantities (in γ).																								
1	1001	999	999	1000	1001	1003	1004	1004	1004	1004	1004	1003	1004	1006	1006	1004	1004	1006	1006	1006	1004	1004	1004	1003
2	1003	1001	1001	1001	1001	1003	1003	1004	1004	1003	1004	1001	1001	1004	1004	1003	1004	1004	1006	1005	1004	1005	1004	1003
3*	1002	1002	1000	1000	1000	1002	1002	1003	1003	1003	1003	999	998	999	1002	1000	1003	1003	1005	1004	1004	1003	1003	1003
4*	999	999	999	998	999	999	999	1001	999	1000	1002	1002	999	999	1002	1001	999	999	1002	1002	1002	1002	1002	1001
5	998	998	998	996	996	996	996	998	998	996	998	998	996	998	998	998	998	998	998	1001	1000	1000	998	998
6*	998	998	998	996	996	996	995	996	997	998	1001	1000	996	998	998	998	1000	1000	1000	1001	1000	999	998	998
7*	997	995	995	994	993	995	994	994	992	987	987	990	992	995	997	997	997	997	997	996	996	996	996	997
8**	997	996	996	996	994	992	991	992	994	992	992	992	994	1001	1010	1010	1011	1011	1012	1009	1006	1003	1002	1000
9	990	991	994	993	993	995	995	995	998	996	996	996	996	998	999	1001	1005	1005	1006	1010	1010	1009	1002	996
10	994	995	996	999	999	1000	997	996	995	991	991	994	1001	1004	1010	1011	1013	1013	1015	1010	1010	1006	1004	1004
11	1004	1003	1002	1002	1002	1003	1001	1001	1000	999	999	998	996	1004	1004	1009	1010	1009	1009	1005	1002	1001	1001	1000
12	1000	996	994	996	996	996	996	994	994	993	995	996	999	1004	1013	1013	1013	1013	1012	1010	1004	1004	1001	1000
13	998	996	986	991	994	996	996	999	996	995	999	1001	1004	1009	1011	1010	1011	1008	1009	1007	1006	1006	1004	999
14	997	997	996	997	1000	1001	1001	1002	1000	999	997	997	1000	1002	1006	1005	1006	1007	1007	1005	1003	1003	1001	999
15	997	998	998	997	997	998	997	997	994	990	990	990	993	995	999	1002	1003	1002	1001	1000	1000	999	998	996
16*	995	995	995	995	995	997	996	996	996	993	993	991	987	990	997	999	1000	1000	1000	999	998	997	997	997
17	997	995	993	993	991	992	993	993	992	988	985	983	988	991	996	996	996	996	996	995	993	993	993	994
18**	992	991	991	991	984	981	984	986	988	986	988	991	992	997	1001	1000	1006	1008	1017	1013	1015	1008	1003	1003
19	998	998	996	996	995	993	993	992	991	986	986	986	991	991	993	996	998	1001	1001	1003	1003	1001	998	997
20	997	994	992	992	993	994	994	994	994	995	997	997	994	995	997	995	997	999	1002	1004	1007	1007	1007	1004
21	1003	999	999	998	996	998	996	995	993	993	994	995	991	991	997	997	998	998	1000	1000	1004	1010	1009	1005
22	1001	1002	1001	999	996	995	994	992	991	991	991	991	987	987	994	995	998	1000	1004	1006	1009	1011	1011	1011
23	1009	1007	1004	998	996	994	993	994	995	996	997	995	991	991	994	993	994	995	996	995	995	996	996	997
24**	999	1001	999	998	997	998	996	996	994	994	994	991	987	989	994	994	998	1000	1014	1038	1060	1053	1045	1029
25**	1028	1021	1018	1014	1005	1001	1001	1003	1004	1006	1006	1001	999	1005	1015	1018	1020	1016	1011	1009	1007	1007	1005	1006
26**	1008	999	999	1001	1001	1000	996	991	989	988	991	994	995	999	1004	1014	1015	1010	1008	1006	1005	1006	1003	1001
27	1001	1001	1001	1001	1001	1001	996	996	998	1000	1001	1000	1004	1006	1011	1010	1010	1009	1009	1006	1005	1004	1001	995
28	996	998	999	995	994	995	991	991	994	996	1000	1000	1000	1000	1000	997	1000	1003	1005	1005	1005	1005	1002	1002
29	1001	1001	1001	1001	1001	1003	1002	1001	1003	1003	1001	1001	998	999	999	999	1001	1005	1006	1006	1009	1006	1004	1001
30	1001	1001	1001	1001	1003	1004	1001	999	999	996	1000	1000	999	1001	1001	1004	1004	1006	1009	1007	1008	1006	1006	1006
31	1001	999	1001	1001	1002	1004	1004	1004	1004	1005	1004	1001	999	1001	1005	1005	1006	1007	1008	1007	1006	1007	1004	1000
Mean	1000	999	998	998	997	998	997	997	997	996	996	996	996	998	1002	1002	1004	1004	1006	1006	1006	1005	1003	1001
Mean*	998	998	997	997	997	998	997	998	997	996	997	996	994	996	999	999	1000	1000	1001	1000	1000	999	999	999
Mean**	1005	1002	1001	1000	996	994	994	994	994	993	994	994	993	998	1005	1007	1010	1009	1012	1015	1019	1015	1012	1008
February	42000 γ + Tabular Quantities (in γ).																								
1*	1000	1001	1001	1003	1001	1002	1001	1001	1001	997	993	994	994	998	1000	1000	1001	1003	1005	1007	1008	1007	1005	1005
2	1004	1003	1003	1002	1002	1002	1000	1000	998	998	997	998	999	1002	1003	1004	1004	1008	1011	1024	1028	1027	1024	1020
3	1013	1010	1009	1007	1008	1006	1002	998	997	998	999	996	992	997	999	1002	1002	1002	1004	1007	1006	1004	1004	1004
4	1003	1002	999	996	996	996	995	997	998	999	1001	1001	1003	1003	1006	1006	1009	1010	1010	1010	1007	1004	1003	1002
5*	1002	999	999	998	997	997	994	995	997	997	996	994	990	990	994	997	998	998	998	998	998	998	998	998
6	997	993	992	992	991	991	990	991	995	995	993	993	993	994	994	995	997	999	998	998	998	998	998	998
7*	996	996	996	996	995	995	992	991	991	991	987	983	981	982	990	990	989	992	995	995	995	994	994	994
8	994	994	992	992	992	992	992	991	991	990	985	982	982	986	988	989	991	992	996	997	1000	999	997	994
9	994	993	992	991	982	985	985	986	985	985	981	982	988	992	1000	1004	1006	1005	1000	995	997	1000	997	992
10	985	984	986	990	991	992	991	992	991	988	987	989	987	990	993	998	1007	1011	1007	1003	1005	1001	996	993
11	990	986	989	993	993	993	992	991	990	988	987	987	990	990	998	1001	1000	1000	999	998	996	995	993	988
12	991	992	992	994	994	994	994	994	992	990	988	986	987	991	994	996	995	997	997	995	994	993	992	992
13*	991	991	991	991	992	993	992	991	991	988	983	980	980	985	989	991	993	995	995	994	994	993	992	991
14	990	990	992	992	993	992	992	992	993	990	985	984	981	981	985	994	996	999	999	1001	1001	1000	1001	999
15	1000	997	996	995	996	998	997	994	992	992	988	980	982	988	994	997	1004	1006	1005	1004	1002	1002	1000	997
16**	990	989	989	990	990	990	990	989	989	986	981	976	981	989	996	1008	1008	1017	1018	1009	1011	1007	1008	1002
17**	1000	995	991	992	991	991	991	991	992	994	991	987	990	995	1002	1014	1029	1034	1031	1011	1015	1012	1007	1005
18	1003	1001	998	1000	1002	1004	1002	1000	1000	998	994	994	996	999	1004	1006	1012	1017	1013	1011	1010	1008	1006	1005
19**	1003	1003	998	995	996	998	998	998	998	998	994	991	989	992	998	1017	1035	1029	1028	1028	1029	1002	1013	1015
20	1013	998	991	1000	1003	1005	1003	1001	998	994	989	989	990	994	998	1000	1003	1004	1006	1007	1012	1007	1007	1008
21**	1009	1002	1000	1001	1001	1000	995	995	997	994	992	993	994	998	1004	1007	1015	1017	1024	1012	1017	1022	1020	1017
22**	1015	998	999	999	992	993	995	995	994	990	992	990	993	996	1009	1022	1017	1011	1009	1007	1007	1007	997	1000
23	1004	1002	1002	1000	998	998	997	994	991	990	989	988	993	997	1006	1013	1017	1019	1019	1017	1014	1010	1009	1005
24	1007	1004	1002	1000	1001	1003	1002	999	1000	997	990	990	994	996	1000	1003	1007	1007	1007	1005	1005	1002	997	1000
25	1002	1002	1000	1000	1002	1002	1000	999	996	991	985	983	988	996	1003	1007	1012	1010	1009	1010	1015	1016	1015	1010
26	1008	997	1001	1001	1000	1002	1000	997	997	993	986	985	984	989	996	1008	1021	1025	1028	1027	1021	1018	1013	1010
27	1005	1004	999	995	999	1002	1001	1000	996	993	991	988	992	1001	1005	1015	1020	1023	1021	1016	1012	1011	1006	1004
28*	1003	1002	1002	1003	1004	1004	1001	1002	1000	995	992	990	989	993	995	1001	1002	1004	1005	1003	1004	1002	1002	1001
29	1000	1000	1000	999	1000	1000	1000	1001	1001	993	985	985	985	990	997	1001	1003	1005	1006	1007	1007	1007	1005	1002
Mean	1000	998	997	997	997	997	996	995	995	993	990	988	989	993	998	1003	1007	1008	1008	1007	1007	1005	1003	1002
Mean*	998	998	998	998	998	998	996	996	996	994	990	988	987	990	994	996	997	998	1000	999	1000	999	998	998
Mean**	1003	997	995	995	994	994	994	994	994	992	990	987	989	994	1002	1014	1021	1022	1022	1013	1016	1010	1009	1008

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March	42000 γ + Tabular Quantities (in γ).																								
1	1002	1002	1000	1001	999	999	999	1000	1001	997	991	987	987	990	995	1001	1002	1001	1002	1002	1002	1002	1002	1001
2	999	999	999	998	999	999	998	999	1002	995	985	980	985	987	992	996	998	999	1000	1000	1001	1001	1000	1001
3*	999	999	998	997	997	998	996	996	997	994	989	985	985	987	989	991	993	994	997	997	997	997	997	997
4*	998	997	997	995	995	994	992	992	993	991	983	982	981	987	989	991	994	992	995	993	994	995	996	996
5	996	997	997	996	995	996	992	996	997	991	982	977	973	980	990	995	999	999	999	998	997	997	996	997
6	996	996	996	995	995	995	992	993	995	990	981	976	976	984	990	997	1000	999	997	997	997	999	1001	1001
7*	999	997	997	996	996	995	992	993	992	987	985	983	987	991	995	998	998	997	997	996	995	996	995	996
8	996	996	994	994	994	994	992	996	998	989	982	978	981	984	994	1007	1013	1011	1008	1005	1003	1002	1002	1000
9	999	999	999	998	998	999	998	998	996	988	982	978	988	996	1000	1005	1008	1005	1008	1010	1008	1005	1003	1002
10	1003	1001	1000	997	997	998	996	995	992	986	981	978	981	986	992	997	1003	1003	1003	1001	1000	1000	999	998
11*	999	999	999	998	999	999	997	999	1000	994	983	978	981	986	989	994	1000	1000	1000	1000	998	998	998	997
12*	998	998	998	998	998	998	998	999	1000	993	987	983	982	986	991	998	1000	999	999	998	996	995	994	994
13	993	994	995	995	996	996	996	997	994	991	983	979	978	981	983	988	993	995	995	996	996	994	994	994
14	994	994	995	994	994	995	993	994	991	986	978	977	976	978	983	991	997	1002	1003	1000	998	996	996	996
15	996	993	994	993	992	993	992	993	991	983	972	969	972	978	982	990	1000	1004	1005	1005	1004	1000	996	992
16	990	992	993	994	994	991	989	992	990	989	981	977	982	987	992	997	1000	998	999	999	998	998	998	999
17	998	998	995	992	993	994	992	997	999	995	993	991	987	991	997	1002	1005	1004	1004	1002	1000	1000	999	994
18	990	993	993	989	993	995	995	997	994	992	984	978	977	983	989	998	1006	1004	1006	1009	1011	1007	1003	999
19	984	986	988	990	993	996	999	1002	1004	1002	993	983	983	987	994	998	1000	1000	1001	1002	1005	1000	1002	1001
20**	1000	998	995	998	983	987	988	990	993	993	988	980	980	988	993	1002	1012	1017	1017	1015	1012	1010	1010	1007
21**	999	994	982	980	982	985	985	988	988	983	978	978	985	993	1002	1010	1021	1022	1021	1014	1012	998	995	998
22	994	987	984	992	998	997	998	1000	998	991	982	977	974	985	986	996	1001	1004	1010	1013	1005	1002	1001	1001
23**	1001	1003	1002	995	987	985	987	991	995	993	986	982	987	990	999	1013	1024	1033	1034	1024	1013	1011	1008	1009
24**	1002	995	996	996	995	998	995	992	992	984	986	980	982	997	1015	1015	1017	1015	1015	1018	1012	1002	999	990
25**	976	984	978	984	996	1000	1002	1005	1004	996	990	980	981	989	997	1004	1011	1011	1010	1008	1010	1009	996	984
26	979	978	978	983	995	997	995	998	999	993	983	973	975	984	993	1000	1008	1009	1007	1007	1009	1004	1003	1005
27	1001	997	994	995	998	1001	1003	1001	996	989	981	974	978	983	992	1003	1012	1022	1023	1021	1009	1009	1009	1005
28	996	982	983	989	992	995	1003	1005	1003	997	988	978	975	986	994	1002	1007	1008	1007	1007	1007	1005	1004	1003
29	1003	1003	1002	993	989	991	995	997	996	992	987	979	978	983	991	999	1005	1008	1005	1005	1004	1005	1004	1004
30	1004	1004	1000	998	999	1000	1002	1002	1000	995	984	972	975	982	989	995	1001	1003	1004	1004	1002	1002	1002	1002
31	998	997	997	996	996	998	1000	1000	996	987	980	974	975	981	991	996	999	1006	1008	1005	1005	1004	1001	1000
Mean	996	995	994	994	994	995	995	997	996	991	984	979	980	986	993	999	1004	1005	1006	1005	1003	1001	1000	999
Mean*	999	998	998	997	997	997	995	996	996	992	985	982	983	987	991	994	997	996	998	997	996	996	996	996
Mean**	996	995	991	991	989	991	991	993	994	990	986	980	983	991	1001	1009	1017	1020	1019	1016	1012	1006	1002	998
April	42000 γ + Tabular Quantities (in γ).																								
1	999	998	998	997	997	999	1003	1003	997	991	986	980	976	979	992	1004	1019	1029	1040	1029	1021	1013	1007	1001
2	999	1002	994	995	998	1001	1003	1002	999	994	989	991	990	987	988	996	1001	1006	1004	1004	1005	1005	1001	1000
3	1002	1001	1001	1000	998	999	1000	1000	999	991	979	976	977	985	991	997	1010	1015	1026	1032	1027	1007	1005	1002
4	988	993	997	999	997	997	999	1003	999	993	986	982	985	994	1001	1002	1005	1006	1004	1002	1002	1002	1002	1002
5*	1003	1002	1002	1002	1001	1001	1004	1005	1000	989	975	967	971	979	991	996	1001	1004	1005	1004	1001	1000	999	998
6*	999	999	1000	999	997	997	1000	998	995	987	981	975	975	983	988	993	998	998	997	996	996	996	998	997
7	999	999	997	997	997	998	1001	999	994	985	980	975	972	981	991	998	1003	1009	1008	1005	1001	999	999	998
8	1000	999	999	999	998	998	996	996	996	988	981	972	972	980	987	995	1001	1010	1012	1010	1005	1002	1000	1000
9	998	1000	1001	1000	1001	1002	1002	1001	996	991	982	971	971	977	986	994	999	1002	1003	1002	1002	1002	999	999
10*	1000	1000	1002	1000	1001	1002	1003	1005	1003	998	990	976	976	982	993	996	1000	1004	1004	1001	1001	1001	1001	1000
11	1000	999	995	998	999	1001	1002	1002	999	989	979	977	977	980	984	992	999	1004	1005	1003	1001	1001	1001	1000
12	1001	1000	1000	999	997	997	1000	1002	997	988	978	969	968	977	987	1002	1005	1015	1016	1015	1013	1011	1007	992
13	995	996	999	999	998	997	997	995	987	978	970	968	968	976	984	995	1006	1019	1017	1016	1015	1008	1005	1004
14	1002	1002	1002	1002	1001	1002	1002	1002	998	989	977	973	970	975	984	992	1000	1007	1016	1017	1016	1010	1010	1007
15	1005	1002	1002	1004	1002	1002	1002	1000	992	983	979	978	985	990	999	1001	1027	1038	1032	1025	1021	1008	1002	1000
16	994	985	990	995	1000	1002	1004	1006	1004	994	986	980	978	984	992	999	1005	1007	1007	1006	1005	1002	1004	1004
17	1002	996	995	998	998	1003	1006	1006	998	984	976	975	981	989	996	1002	1010	1013	1017	1016	1016	1016	1009	1006
18**	972	979	975	971	963	961	970	982	990	989	985	982	987	994	1002	1018	1036	1043	1053	1041	1019	1017	1014	998
19**	987	985	984	980	985	992	998	1003	998	989	982	981	982	992	1004	1013	1029	1047	1031	1019	1014	1013	1012	992
20**	971	983	989	992	990	998	1004	1008	1003	995	984	983	989	1008	1019	1019	1023	1038	1046	1036	1022	1003	992	986
21**	988	980	997	992	999	999	1003	999	992	989	984	979	989	1009	1023	1023	1023	1031	1031	1033	1015	1000	968	955
22**	947	963	979	976	977	995	990	991	987	987	983	983	990	1003	1039	1041	1029	1034	1031	1027	1016	1009	997	976
23	984	988	992	1001	1001	996	997	998	993	987	986	983	987	1000	1027	1037	1046	1048	1033	1023	1018	1004	1004	1003
24	1004	1002	1005	1009	1010	1009	1011	1011	1009	1005	996	993	993	1000	1011	1021	1028	1029	1026	1018	1012	1009	1009	1002
25	992	992	995	998	1006	1010	1012	1011	1008	1001	990	984	989	998	1007	1008	1013	1020	1022	1019	1016	1013	1008	1008
26*	1009	1009	1009	1009	1009	1009	1011	1012	1007	997	991	982	981	985	993	999	1004	1010	1013	1012	1012	1010	1009	1007
27	1006	1006	1006	1006	1009	1006	1007	1008	1004	995	987	974	972	977	987	994	1004	1011	1012	1010	1007	1007	1006	1006
28	1005	1004	1004	1004	1004	998	1000	1003	998	993	983	973	976	983	992	1000	1009	1018	1022	1020	1018	1009	1009	1008
29*	1005	1005	1004	1004	1002	1004	1005	1007	1006	998	987	982	980	985	992	998	1004	1008	1008	1007	1006	1004	1004	1004
30	1003	1003	1003	1004	1004	1004	1000	999	999	994	987	986	983	986	994	999	1007	1009	1009	1007	1006	1006	1006	1004
Mean	995	996	997	998	998	999	1001	1002	998	991	983	978	980	987	998	1004	1012	1018	1018	1015	1011	1006	1003	999
Mean*	1003	1003	1003	1003	1002	1003	1005	1005	1002	994	985	976	977	983	991	996	1001	1005	1005	1004	1003	1002	1002	1001
Mean**	973	978	985	982	983	989	993	997	994	990	984	982	987	1001	1017	1023	1028	1039	1038	1031	1017	1008	997	981

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
May	42000 γ + Tabular Quantities (in γ).																								
1	990	992	990	991	997	1001	1004	1004	1003	997	988	977	975	980	990	997	1004	1008	1007	1005	1004	1003	1004	1004
2	1004	1001	997	997	1001	1003	1004	1003	1001	992	979	973	975	983	994	1004	1007	1007	1006	1005	1004	1004	1003	1004
3	1003	1002	1003	1002	1002	1004	1002	996	987	978	973	974	973	980	987	992	996	999	999	999	998	1000	1000	1000
4	1000	999	999	999	1001	1003	1001	999	993	982	974	974	979	997	1013	1013	1013	1018	1029	1024	1013	1008	1006	1003
5	1003	1005	1007	1008	1011	1011	1008	1004	997	986	986	985	984	990	998	1003	1008	1011	1010	1008	1006	1003	1003	1002
6	1003	1003	1003	1003	1006	1007	1006	1005	998	986	978	975	979	990	1001	1003	1008	1009	1006	1003	1003	1002	1002	1003
7*†	1003	1003	1003	1004	1006	1006	1005	1001	989	980	969	968	—	—	—	—	—	—	—	—	—	—	—	—
8*†	—	—	—	—	—	—	—	—	—	—	—	—	978	981	989	996	1001	1004	1004	1001	999	999	998	999
9*	998	1000	1000	1000	1003	1002	1001	998	991	983	972	967	970	975	982	989	996	1002	1001	1000	999	998	997	998
10	997	998	998	999	1001	1002	1001	996	984	970	959	965	964	973	985	987	992	1002	1012	1024	1023	1015	1011	1008
11**	1007	1005	1002	996	1001	1001	1000	995	988	977	965	950	950	965	977	985	993	997	997	998	999	998	1000	1001
12**	999	993	994	996	999	990	985	984	985	985	979	972	975	987	996	1006	1013	1022	1028	1017	1012	996	985	993
13	985	982	990	994	1001	1007	1012	1013	1004	992	984	977	977	980	992	1001	1008	1015	1015	1011	1008	1006	1004	1001
14	1000	1001	1001	1001	1003	1003	1005	1003	997	992	979	972	969	981	1000	1015	1020	1025	1030	1025	1015	1008	1005	1002
15	999	991	990	992	996	997	997	999	991	987	980	974	976	983	991	999	1005	1011	1011	1014	1013	1007	1005	1004
16	1000	999	987	982	987	990	987	989	987	982	977	977	979	995	1010	1013	1020	1028	1033	1029	1019	1010	1000	988
17	987	990	993	991	994	999	998	998	993	990	980	977	975	985	993	1000	1009	1011	1010	1010	1008	1005	1005	1003
18**	998	982	991	995	999	1003	1001	992	989	984	983	982	980	992	1005	1013	1017	1018	1015	1018	1005	1000	995	972
19**	983	987	982	983	982	982	992	996	993	986	978	979	990	1007	1015	1028	1031	1026	1024	1024	1016	1006	1001	1005
20	1007	1005	1008	1006	1004	1003	1005	1006	1002	995	989	982	986	994	1003	1020	1021	1028	1030	1020	1013	1010	1004	1003
21	1006	1006	1007	1007	1006	1006	1006	1007	1003	996	985	981	986	992	1001	1009	1013	1016	1020	1012	1011	1004	1002	1001
22	1001	1000	998	1002	1005	1007	1005	1001	993	984	983	978	984	995	1007	1017	1017	1015	1008	1005	1003	1002	1002	1001
23*	1000	1000	1001	1003	1006	1006	1002	998	991	984	972	966	968	981	995	1004	1008	1011	1009	1006	1002	1001	1001	999
24*	1001	1002	1002	1003	1004	1004	1005	1004	999	989	982	978	979	987	994	997	1003	1007	1009	1010	1006	1005	1004	1003
25	1004	1004	1005	1006	1009	1009	1009	1009	1008	1004	991	979	980	987	991	999	1004	1012	1014	1013	1011	1007	1005	1004
26	1001	999	1001	1003	1005	1006	1005	1001	991	983	974	976	982	986	993	1001	1012	1024	1032	1028	1021	1014	1009	1005
27	1004	1006	1006	1008	1010	1011	1008	1008	1004	998	995	991	984	989	995	1005	1014	1016	1019	1017	1012	1009	1007	1008
28	1005	997	998	1004	1007	1007	1007	1007	997	987	981	983	989	994	999	1002	1009	1015	1016	1014	1011	1009	1007	1005
29**	1004	1003	1005	1006	1010	1012	1009	1002	994	984	977	979	991	1008	1013	1023	1030	1031	1028	1022	1020	1015	1013	1012
30	1010	1010	1007	1005	1006	1003	999	994	993	991	987	984	985	991	1000	1009	1012	1015	1011	1010	1008	1007	1005	1006
31	999	978	978	978	986	992	997	997	997	994	988	982	984	992	1002	1010	1015	1016	1011	1007	1005	1003	1003	1003
Mean	1000	998	998	999	1002	1003	1002	1000	995	987	980	974	978	987	997	1005	1010	1014	1015	1013	1009	1005	1003	1001
Mean*	1001	1001	1002	1003	1005	1005	1003	1000	993	984	974	970	974	981	990	997	1002	1006	1006	1005	1002	1001	1000	1000
Mean**	998	994	995	995	998	998	997	994	990	983	976	972	977	992	1001	1011	1017	1019	1018	1016	1010	1003	999	997

† May 7 and 8 were combined into one day in computing means.

June	42000 γ + Tabular Quantities (in γ).																							
1**	1007	1005	1005	1007	1007	1005	1001	1000	996	991	996	1003	1004	1004	1008	1012	1018	1014	1016	1014	1014	1013	1009	1009
2**	1009	1008	1008	1007	1007	999	998	996	994	993	985	979	984	991	996	1007	1009	1019	1027	1029	1027	1015	1009	1004
3	999	1002	1001	1000	1001	1002	1005	1000	995	991	987	989	991	1001	1007	1013	1015	1016	1018	1015	1012	1009	1009	1000
4	1000	1003	1005	1007	1009	1009	1006	1002	1001	995	990	987	992	998	1005	1010	1013	1012	1010	1010	1008	1006	1005	1003
5*	1005	1005	1006	1007	1009	1009	1008	1003	996	993	991	988	988	991	995	1000	1004	1011	1014	1012	1009	1006	1005	1005
6*	1006	1004	1006	1007	1009	1011	1009	1009	1003	993	983	976	975	986	993	1001	1009	1011	1010	1008	1006	1003	1002	1003
7	1004	1004	1004	1004	1004	1004	1004	1002	994	984	975	969	969	974	983	991	1001	1010	1010	1007	1005	1003	1003	1003
8	1002	999	997	1002	1004	1006	1006	1005	1002	997	986	984	987	994	1002	1005	1017	1025	1025	1026	1020	1015	1007	994
9**	1002	1005	1008	999	994	994	997	998	995	995	996	980	981	985	1004	1022	1026	1035	1026	1025	1019	1015	1012	1013
10**	1015	1015	1014	1011	1013	1010	1007	1007	1003	1001	991	986	1000	1010	1014	1010	1017	1025	1031	1033	1028	1019	1015	1010
11	1004	1000	995	1004	1009	1010	1010	1010	1007	1004	995	991	991	996	1008	1013	1017	1018	1022	1022	1019	1015	1013	1012
12	1004	999	999	1001	1005	1007	1008	1011	1008	1000	994	987	987	989	997	1007	1012	1014	1014	1015	1016	1013	1012	1008
13	1004	999	1000	1003	1003	1003	1005	1004	997	986	978	975	983	993	997	1005	1012	1017	1021	1027	1021	1016	1011	1011
14	1009	1009	1005	1000	1003	1001	1002	1008	1009	1000	994	988	988	995	1000	1007	1015	1021	1027	1022	1015	1014	1010	994
15	993	997	990	978	991	996	1000	1000	995	993	991	984	981	991	1000	1009	1021	1028	1027	1025	1022	1014	1005	1006
16	1001	994	992	993	1002	1005	1010	1009	997	993	988	984	993	1005	1011	1018	1023	1024	1020	1018	1018	1010	1010	1008
17	1001	1000	1002	1004	1005	1007	1004	1004	999	997	996	991	986	996	1004	1007	1014	1020	1022	1018	1015	1010	1008	1006
18	1001	1000	1002	1003	1008	1011	1010	1007	997	984	975	972	975	983	994	1000	1007	1010	1013	1013	1011	1010	1006	994
19**	988	994	983	956	917	936	935	940	946	951	975	994	1023	1059	1074	1078	1065	1050	1036	1029	1031	1029	1027	1024
20	1023	1020	1020	1019	1019	1016	1014	1014	1010	1003	1002	996	994	997	1007	1014	1019	1024	1026	1024	1020	1017	1015	1014
21	1014	1014	1015	1016	1017	1018	1017	1012	1002	997	990	983	988	995	1001	1008	1016	1014	1015	1016	1015	1011	1010	1010
22	1010	1011	1012	1013	1016	1017	1020	1016	1008	1001	994	991	997	1006	1015	1023	1025	1028	1028	1023	1017	1012	1010	1010
23*	1010	1010	1010	1013	1017	1018	1016	1011	1005	997	992	989	987	990	998	1006	1016	1018	1018	1017	1016	1011	1010	1009
24	1009	1009	1010	1011	1012	1011	1013	1016	1015	1007	998	986	985	988	1001	1008	1017	1021	1022	1025	1022	1016	1012	1010
25	1008	1009	1010	1012	1010	1010	1011	1013	1013	1006	995	991	994	1001	1005	1009	1014	1017	1013	1013	1012	1010	1008	1007
26	1006	1006	1006	1008	1010	1011	1007	1006	1001	992	990	987	988	989	994	998	1006	1009	1014	1016	1016	1014	1012	1010
27	1005	998	995	997	1003	1005	1006	1006	1005	1004	999	989	991	994	1000	1005	1009	1012	1014	1011	1010	1009	1008	1007
28	1005	1003	1004	1007	1010	1011	1010	1009	1003	987	978	978	981	985	991	1001	1004	1006	1011	1009	1009	1009	1008	1006
29*	1007	1006	1006	1006	1006	1009	1011	1012	1009	996	977	968	969	981	991	996	1001	1004	1013	1014	1014	1011	1009	1009
30*	1007	1006	1005	1005	1006	1006	1007	1003	1002	998	992	993	981	983	990	997	1004	1009	1011	1011	1011	1010	1009	1006
Mean	1005	1005	1004	1003	1004	1005	1005	1004	1000	995	989	985	988	995	1003	1009	1015	1018	1019	1018	1016	1012	1010	1007
Mean*	1007	1006	1007	1008	1009	1011	1010	1008	1003	995	987	983	980	986	993	1000	1007	1011	1013	1012	1011	1008	1007	1006
Mean**	1004	1005	1004	996	988	989	988	988	987	986	989	988	998	1010	1019	1026	1027	1029	1027	1026	1024	1018	1014	1012

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July	42000 γ + Tabular Quantities (in γ).																								
1	1006	1006	1006	1008	1010	1010	1006	1003	1000	997	990	989	989	991	998	1006	1006	1006	1010	1007	1007	1007	1006	1006	
2**	1007	1006	1003	1003	1004	1003	1003	998	995	988	994	992	1011	1028	1052	1075	1071	1061	1054	1041	1032	1026	1022	1019	
3	1016	990	1008	1016	1017	1018	1016	1015	1013	1011	1008	1005	1007	1017	1021	1022	1025	1026	1026	1023	1021	1017	1017	1017	
4	1019	1019	1019	1018	1018	1017	1015	1014	1009	1004	1001	996	1000	1005	1011	1014	1020	1024	1023	1018	1017	1013	1014	1014	
5	1015	1015	1018	1013	1013	1008	1008	1007	1005	996	994	1000	1013	1021	1029	1035	1044	1045	1043	1035	1024	1018	1016	1018	
6**	1009	996	1001	1011	1019	1021	1020	1014	1006	1003	996	999	1003	1024	1039	1044	1041	1043	1039	1031	1026	1021	1010	1003	
7	996	991	996	1001	1014	1021	1022	1019	1016	1003	1000	1001	998	1000	1006	1016	1026	1031	1031	1031	1024	1016	1015	1015	
8	1011	1007	1008	1010	1015	1011	1011	1011	1007	998	997	998	1000	1004	1010	1014	1017	1021	1023	1027	1020	1016	1015	1012	
9	1012	1013	1015	1016	1017	1017	1018	1019	1013	1008	999	990	990	990	1000	1013	1018	1021	1024	1026	1026	1021	1017	1014	
10**	1009	1006	1009	1012	1013	1006	1008	1006	1004	1001	995	994	991	989	1001	1024	1042	1049	1052	1041	1014	1012	1001	990	
11**	986	985	982	986	1006	1015	1021	1023	1015	1013	995	991	995	1000	1018	1032	1023	1030	1035	1032	1025	1020	1016	1009	
12	1010	1009	1004	1008	1008	1013	1014	1015	1015	1005	993	989	988	990	1002	1010	1015	1021	1022	1023	1020	1014	1008	1008	
13	1007	1008	1003	998	1004	999	1002	1004	1006	1004	1003	999	1004	1007	1015	1020	1027	1031	1034	1027	1020	1016	1015	1013	
14*	1013	1013	1014	1014	1017	1017	1016	1014	1013	1002	995	991	989	995	999	1010	1018	1024	1024	1021	1021	1016	1014	1015	
15*	1014	1014	1013	1013	1014	1011	1011	1008	1004	1003	1001	999	1001	1009	1011	1019	1021	0022	1020	1017	1017	1014	1014	1011	
16	1012	1013	1009	987	987	987	992	1002	1006	1009	997	990	985	997	1005	1010	1012	1018	1018	1016	1014	1012	1011	1009	
17	1006	1008	1005	997	1006	1008	1005	1004	1003	1003	998	992	991	998	1006	1011	1015	1024	1025	1024	1019	1013	1011	1011	
18	1009	1011	1006	1003	1007	1009	1010	1007	1003	999	989	982	984	990	1001	1011	1016	1020	1021	1020	1017	1014	1012	1013	
19	1013	1013	1010	1013	1014	1017	1021	1016	1010	1005	1000	997	1000	1000	1008	1017	1021	1023	1022	1018	1015	1014	1012	1012	
20	1011	1010	1010	1013	1016	1016	1016	1015	1014	1010	1008	1000	995	1000	1013	1022	1029	1033	1029	1022	1016	1014	1014	1014	
21*	1014	1015	1014	1015	1020	1021	1023	1022	1017	1010	1002	997	993	1000	1010	1016	1023	1027	1025	1023	1020	1017	1015	1012	
22	1013	1013	1013	1014	1018	1018	1017	1012	1011	1003	997	996	993	995	1003	1013	1018	1021	1021	1018	1016	1013	1011	1010	
23*	1011	1012	1013	1014	1017	1017	1017	1018	1014	1004	987	979	989	997	1002	1009	1012	1014	1017	1016	1013	1009	1009	1009	
24*	1010	1010	1010	1013	1015	1018	1018	1018	1020	1021	1001	997	1000	997	999	1007	1012	1016	1017	1014	1010	1007	1004	1004	
25	1002	1001	1002	1004	1008	1004	1006	1004	1004	1002	993	989	980	986	997	1007	1012	1015	1012	1009	1007	1004	1001	999	
26	999	997	995	998	1004	1004	1007	1006	1003	996	992	989	992	994	1002	1014	1018	1018	1015	1013	1011	1010	1009	1009	
27	1008	1008	1008	1011	1013	1013	1014	1009	1005	1003	999	990	987	991	1001	1009	1016	1021	1022	1021	1015	1011	1011	1008	
28	1003	1002	1003	1003	1003	1002	1001	998	995	986	976	982	984	993	1001	1008	1014	1013	1008	1011	1010	1008	1008	1008	
29**	1006	1006	1006	1007	1008	1007	1007	1006	1000	996	989	991	995	1001	1020	1030	1031	1049	1056	1049	1036	1025	1013	1013	
30	1013	1007	1000	996	998	1004	1008	1008	1010	1006	1002	1000	1003	1006	1015	1020	1023	1021	1020	1017	1015	1014	1015	1014	
31	1014	1014	1013	1013	1016	1016	1016	1017	1014	1007	1002	1002	1001	1007	1013	1018	1025	1030	1027	1021	1017	1015	1012	1011	
Mean	1009	1007	1007	1007	1011	1011	1012	1011	1008	1003	997	994	995	1001	1010	1019	1023	1026	1026	1023	1018	1014	1012	1010	
Mean*	1012	1013	1013	1014	1017	1017	1017	1016	1014	1008	997	993	994	1000	1004	1012	1017	1021	1021	1018	1016	1013	1011	1010	
Mean**	1003	1000	1000	1004	1010	1010	1012	1009	1004	1000	994	993	999	1008	1026	1041	1042	1046	1047	1039	1027	1021	1012	1007	
August.	42000 γ + Tabular Quantities (in γ).																								
1	1006	1002	993	1000	1006	1009	1013	1017	1017	1012	1011	1008	1010	1011	1016	1021	1025	1026	1021	1016	1015	1013	1013	1013	
2	1008	1007	1008	1010	1011	1013	1018	1018	1013	1010	1003	996	991	993	1003	1011	1013	1016	1016	1014	1013	1008	1007	1010	
3	1011	1011	1010	1011	1011	1013	1013	1013	1008	1002	998	996	996	1001	1016	1018	1021	1018	1016	1012	1011	1011	1010	1011	
4	1012	1012	1009	1009	1012	1008	1004	998	994	989	992	996	995	997	1000	1007	1014	1014	1016	1014	1012	1009	1008	1008	
5**	1008	1009	1009	1009	1013	1012	1009	1007	1002	996	989	982	983	992	1007	1014	1022	1030	1031	1028	1023	1016	1014	1012	
6**	1007	1003	1002	1003	1000	1004	1003	1003	1002	999	993	990	988	994	1003	1012	1019	1023	1020	1017	1014	1012	1010	1010	
7*	1010	1010	1012	1013	1017	1017	1016	1013	1008	1002	990	985	987	990	993	1001	1008	1012	1010	1010	1009	1008	1007	1008	
8**	1005	1005	1007	1009	1012	1010	1010	1008	1001	993	985	981	985	993	1003	1009	1012	1018	1020	1026	1023	1017	1013	1013	
9	1010	1009	1008	1004	1010	1009	1008	1006	1000	989	980	977	980	990	1003	1013	1015	1023	1023	1026	1020	1017	1013	1008	
10**	1005	1006	1005	1004	1003	999	1000	1000	999	995	995	993	993	996	1004	1009	1014	1020	1022	1020	1015	1014	1014	1013	
11*	1012	1010	1010	1012	1015	1015	1013	1013	1010	1009	1006	997	989	996	1007	1014	1018	1020	1019	1017	1015	1015	1014	1014	
12	1013	1012	1011	1010	1013	1014	1015	1014	1008	999	991	985	985	992	1003	1008	1012	1013	1010	1010	1011	1010	1010	1002	
13	1005	1007	1008	1008	1006	1007	1005	1002	999	1000	995	989	984	989	997	1009	1013	1009	1009	1010	1010	1010	1010	1009	
14	1009	1008	1007	1007	1008	1008	1009	1007	1004	1000	993	981	980	993	1003	1005	1005	1006	1007	1008	1008	1007	1005	1004	
15	1005	1005	1004	1005	1008	1008	1008	1006	1005	998	992	986	985	992	1001	1008	1010	1013	1011	1009	1008	1007	1007	1007	
16	1007	1004	1003	1005	1008	1010	1011	1009	1008	1003	998	995	1000	1003	1008	1013	1015	1017	1017	1017	1015	1013	1010	1010	
17	1010	1010	1010	1007	1010	1013	1015	1013	1006	999	994	991	992	997	999	1006	1012	1017	1014	1012	1009	1009	1007	1008	
18*	1007	1007	1007	1008	1010	1010	1010	1008	1001	990	983	979	983	993	1001	1007	1009	1009	1007	1007	1007	1005	1006	1006	
19*	1006	1007	1008	1009	1011	1012	1010	1007	1001	990	980	977	980	985	995	1006	1010	1009	1007	1007	1005	1004	1004	1004	
20	1005	1005	1005	1006	1009	1008	1008	1005	999	996	989	989	989	995	1005	1008	1014	1018	1018	1018	1015	1013	1011	1009	
21	1003	1000	1003	1006	1010	1013	1014	1010	1002	989	980	977	985	991	999	1007	1013	1015	1009	1008	1007	1006	1006	1005	
22	1005	1004	1003	1005	1008	1009	1008	1005	996	993	991	988	989	996	1002	1007	1010	1013	1014	1015	1013	1010	1007	1006	
23*	1006	1006	1007	1008	1009	1010	1011	1011	1005	997	989	981	983	994	1001	1006	1013	1014	1014	1011	1009	1006	1006	1003	
24	1005	1005	1006	1006	1007	1008	1009	1007	1002	993	986	979	983	993	998	1006	1008	1010	1009	1009	1007	1006	1006	1005	
25	1004	1003	1004	1004	1006	1008	1010	1009	1003	994	986	982	985	991	998	1001	1001	1001	1001	1003	1004	1005	1006	1007	
26	1007	1006	1005	1006	1007	1006	1006	1006	999	987	979	974	977	983	990	995	997	1001	1002	1004	1005	1005	1006	1006	
27	1006	1007	1005	1005	1007	1005	1006	1005	997	986	974	967	974	992	1001	1004	1009	1007	1006	1007	1007	1009	1009	1007	
28	1006	1006	1006	1006	1007	1007	1009	1010	1006	1001	996	995	1000	1000	1002	1008	1010	1010	1010	1010	1010	1009	1006	1007	
29	1007	1007	1006	1006	1007	1007	1009	1007	1006	1001	992	983	981	978	985	995	1002	1005	1006	1007	1007	1007	1006	995	
30**	995	990	990	992	990	995	1000	1000	997	993	992	994	996	992	995	1000	1004	1011	1012	1018	1017	1011	1010	1011	
31	1012	1008	1007	1005	1007	1004	1006	1005	1000	993	987	979	982	990	1000	1007	1009	1010	1010	1011	1012	1011	1010	1010	
Mean	1007	1006	1006	1006	1008	1009	1009	1008	1003	997	991	986	987	993	1001	1008	1012	1014	1013	1013	1012	1010	1009	1008	
Mean*	1008	1008	1009	1010	1012	1013	1012	1010	1005	998	990	984	984	992	999	1007	1012	1013	1011	1010	1009	1008	1007	1007	
Mean**	1004	1003	1003	1003	1004	1004	1004	1004	1000	995	991	988	989	993	1002	1009	1014	1020	1021	1022	1018	1014	1012	1012	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER—*continued*.

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	42000 γ + Tabular Quantities (in γ).																								
1	1010	1010	1009	1008	1009	1007	1006	1006	1008	1004	995	993	997	1002	1010	1012	1012	1008	1005	1006	1006	1007	1007	1009	
2	1009	1008	1004	1006	1011	1008	1006	1006	1001	996	991	990	994	999	1004	1007	1012	1011	1010	1009	1009	1008	1008	1008	
3*	1010	1010	1012	1012	1013	1014	1014	1013	1009	998	990	989	990	992	996	1003	1007	1009	1007	1007	1007	1006	1006	1006	
4	1008	1009	1005	1007	1010	1013	1013	1014	1008	1003	993	988	993	1003	1007	1009	1010	1007	1006	1008	1009	1008	1003	1003	
5	1004	1004	1001	999	1000	1002	1007	1010	1010	1005	994	992	997	1002	1006	1012	1015	1014	1013	1011	1010	1009	1006	1008	
6	1009	1009	1007	1006	1009	1009	1010	1011	1007	1002	992	988	989	996	1003	1008	1011	1009	1007	1009	1009	1008	1008	1007	
7*	1008	1008	1008	1009	1010	1011	1012	1011	1008	1004	994	989	995	1000	1004	1007	1007	1005	1004	1006	1006	1005	1004	1004	
8	1004	1004	1004	1005	1005	1005	1005	1005	1001	1000	993	988	987	987	996	1008	1010	1015	1014	1013	1012	1010	1009	1008	
9	1006	1001	1001	1004	1006	1006	1009	1011	1009	1004	1001	999	1002	1005	1007	1007	1011	1015	1014	1014	1011	1010	1007	1006	
10	1007	1006	1006	1003	998	1001	1006	1008	1006	1003	998	997	998	1002	1007	1013	1016	1018	1017	1017	1017	1014	1010	1010	
11**	1008	1008	1008	1008	1007	1006	1006	1008	1005	996	987	985	995	1003	1014	1030	1039	1038	1035	1030	1028	1023	1020	1015	
12	1012	1014	1012	1011	1009	1011	1015	1017	1016	1012	1009	1009	1005	1005	1012	1016	1016	1016	1016	1016	1018	1015	1014	1016	
13*	1016	1015	1015	1013	1012	1013	1017	1019	1017	1011	1002	993	997	1001	1007	1012	1011	1012	1012	1013	1015	1015	1015	1014	
14	1014	1014	1013	1013	1013	1013	1016	1018	1016	1009	999	998	999	1006	1011	1016	1016	1014	1013	1013	1011	1011	1011	1013	
15	1012	1012	1012	1012	1012	1011	1013	1016	1015	1012	1007	1006	1005	1007	1012	1017	1019	1022	1022	1022	1020	1019	1017	1017	
16*	1015	1015	1015	1015	1015	1014	1014	1013	1008	995	987	987	987	990	997	1003	1004	1005	1008	1008	1008	1008	1008	1008	
17	1009	1009	1007	1007	1009	1007	1006	1005	1000	992	982	977	976	983	993	1001	1005	1007	1006	1006	1007	1007	1005	1005	
18	1006	1007	1007	1006	1007	1006	1007	1007	1006	999	992	989	987	984	989	998	1007	1013	1015	1013	1013	1008	1007	1007	
19	1008	1008	1008	1009	1011	1010	1011	1009	1004	995	991	989	984	982	990	997	1003	1006	1006	1007	1007	1006	1006	1006	
20	1007	1008	1008	1008	1008	1008	1008	1009	1005	996	989	980	981	986	996	1004	1007	1009	1009	1009	1008	1008	1007	1007	
21	1007	1007	1006	1005	1007	1005	1008	1009	1005	998	990	981	979	983	990	1000	1004	1008	1008	1009	1010	1009	1009	1008	
22	1008	1007	1006	1006	1008	1008	1011	1012	1008	1000	989	982	978	984	992	1001	1005	1008	1009	1009	1009	1009	1009	1007	
23**	1009	1008	1009	1007	1002	1000	1005	1008	1010	1008	1000	992	992	995	1004	1013	1017	1019	1018	1018	1018	1015	1014	1013	
24	1014	1011	1013	1012	1013	1013	1019	1021	1018	1011	1005	998	998	1001	1007	1012	1016	1019	1019	1019	1018	1019	1016	1015	
25*	1015	1015	1015	1016	1017	1017	1017	1020	1017	1015	1004	997	994	997	1006	1014	1015	1017	1017	1017	1017	1018	1018	1017	
26**	1016	1009	1009	1009	1010	1008	1013	1017	1019	1018	1012	1011	1014	1028	1037	1048	1059	1064	1056	1051	1046	1041	1035	1028	
27**	1027	1025	1024	1023	1022	1022	1023	1023	1018	1007	999	1000	999	1001	1005	1008	1012	1009	1012	1012	1012	1013	1014	1014	
28	1015	1015	1014	1013	1013	1013	1017	1018	1015	1007	1001	995	992	998	1003	1008	1009	1009	1010	1011	1011	1013	1014	1012	
29**	1010	1008	1008	1008	1011	1011	1013	1016	1016	1011	1005	1000	1002	1007	1014	1026	1020	1016	1016	1017	1018	1016	1015	1013	
30	1013	1014	1013	1013	1013	1012	1014	1016	1013	1004	996	991	993	996	998	1004	1007	1007	1008	1009	1011	1011	1008	1007	
Mean	1011	1010	1009	1009	1010	1010	1011	1013	1010	1004	996	992	993	998	1004	1011	1014	1014	1014	1014	1013	1012	1011	1010	
Mean*	1013	1013	1013	1013	1013	1014	1015	1015	1012	1005	995	991	993	996	1002	1004	1009	1010	1010	1010	1011	1010	1010	1010	
Mean**	1014	1012	1012	1011	1010	1009	1012	1014	1014	1008	1001	998	1000	1007	1015	1025	1029	1029	1027	1026	1024	1022	1020	1017	
October	42000 γ + Tabular Quantities (in γ).																								
1	1008	1006	1006	1004	1004	1004	1009	1011	1010	1006	1005	1003	1004	1006	1008	1011	1013	1014	1014	1017	1014	1014	1011	1009	
2*	1012	1012	1015	1014	1015	1014	1017	1018	1015	1010	1002	998	1000	1002	1006	1010	1014	1015	1014	1013	1012	1012	1012	1012	
3*	1013	1013	1013	1013	1014	1013	1014	1013	1008	1003	996	991	992	994	1003	1011	1017	1017	1016	1013	1011	1011	1011	1011	
4	1012	1013	1012	1012	1013	1013	1014	1016	1012	1002	997	996	994	996	999	1006	1010	1009	1012	1012	1011	1009	1009	1008	
5	1010	1010	1011	1010	1010	1010	1010	1013	1008	1001	991	988	991	993	1000	1010	1015	1020	1025	1032	1033	1028	1024	1019	
6	1014	1008	1005	1009	1011	1009	1008	1012	1011	1010	1005	1006	1005	1006	1013	1025	1029	1026	1026	1026	1025	1024	1015	1011	
7	1011	1013	1015	1016	1016	1019	1021	1023	1020	1015	1005	1003	1005	1009	1014	1024	1028	1024	1021	1021	1023	1015	1013	1010	
8	1012	1006	997	992	993	1000	1008	1016	1022	1020	1013	1009	1011	1010	1018	1029	1029	1023	1021	1021	1017	1015	1015	1014	
9	1013	1013	1013	1010	1008	1011	1015	1019	1016	1011	1001	1000	1007	1013	1020	1030	1036	1029	1028	1024	1021	1021	1018	1016	
10**	1010	1000	990	982	979	979	991	998	1002	1004	1004	1007	1009	1013	1021	1033	1038	1032	1028	1025	1024	1022	1020	1020	
11	1019	1017	1017	1017	1016	1018	1022	1025	1023	1016	1007	1005	1009	1012	1013	1017	1017	1013	1013	1014	1014	1015	1015	1015	
12	1014	1015	1014	1013	1012	1013	1015	1017	1014	1009	1005	1003	1005	1005	1007	1013	1014	1012	1013	1013	1013	1013	1013	1013	
13	1013	1013	1012	1012	1010	1012	1012	1014	1012	1005	1000	996	1000	1004	1009	1011	1011	1011	1011	1011	1011	1011	1011	1011	
14	1011	1011	1011	1011	1010	1010	1011	1013	1013	1006	1000	999	1004	1011	1019	1026	1029	1029	1030	1025	1021	1019	1017	1016	
15	1014	1015	1009	1003	1005	1007	1011	1014	1011	1002	998	996	1001	1006	1012	1019	1021	1017	1018	1017	1017	1019	1016	1013	
16**	1015	1015	1016	1016	1016	1016	1016	1020	1018	1012	1007	1009	1014	1017	1022	1030	1043	1058	1070	1060	1055	1038	1015	1002	
17**	996	982	972	979	978	990	1002	1010	1012	1017	1018	1020	1022	1029	1034	1038	1035	1030	1027	1025	1023	1022	1022	1021	
18	1021	1022	1022	1022	1022	1021	1021	1022	1020	1014	1008	1011	1012	1015	1019	1027	1027	1025	1025	1025	1023	1023	1022	1022	
19	1020	1021	1020	1020	1021	1021	1022	1025	1025	1019	1014	1012	1019	1023	1021	1024	1026	1024	1022	1022	1024	1024	1023	1021	
20	1021	1012	1005	1010	1014	1018	1021	1025	1024	1019	1012	1011	1013	1017	1024	1032	1035	1034	1036	1036	1033	1028	1025	1023	
21	1022	1021	1020	1020	1020	1020	1021	1022	1020	1014	1012	1011	1016	1019	1023	1026	1023	1023	1022	1022	1021	1020	1018	1017	
22*	1016	1016	1016	1017	1017	1017	1018	1022	1021	1010	1005	1003	1004	1007	1013	1017	1017	1017	1018	1018	1017	1017	1016	1015	
23	1014	1014	1014	1013	1012	1015	1016	1018	1015	1009	1001	998	1002	1006	1011	1013	1016	1018	1018	1025	1028	1026	1021	1020	
24**	1018	1015	1016	1014	1014	1016	1015	1016	1014	1007	1004	1002	1007	1012	1017	1029	1045	1065	1075	1065	1050	1041	1035	1021	
25	1019	1021	1021	1021	1021	1022	1019	1019	1019	1016	1014	1013	1015	1015	1018	1019	1021	1022	1022	1023	1023	1023	1022	1022	
26	1022	1022	1020	1020	1020	1021	1023	1023	1020	1015	1012	1015	1018	1023	1024	1024	1023	1023	1023	1023	1023	1023	1023	1022	
27*	1021	1020	1019	1018	1018	1018	1018	1022	1023	1018	1013	1010	1011	1014	1019	1020	1019	1018	1018	1018	1019	1019	1019	1018	
28*	1019	1018	1018	1016	1016	1016	1017	1020	1019	1018	1014	1013	1014	1015	1017	1019	1019	1017	1016	1016	1016	1016	1017	1017	
29	1016	1015	1015	1014	1013	1013	1013	1015	1013	1006	1000	997	1001	1005	1013	1017	1016	1014	1014	1013	1014	1015	1016	1017	
30	1017	1016	1016	1015	1012	1012	1012	1016	1013	1005	1000	1000	1007	1009	1013	1015	1015	1017	1015	1015	1015	1015	1015	1015	
31**	1015	1017	1006	1007	1009	1009	1010	1010	1004	1003	1006	1013	1023	1041	1051	1057	1055	1047	1041	1036	1033	1031	1031	1029	
Mean	1015	1013	1012	1011	1011	1012	1014	1017	1015	1010	1006	1005	1008	1011	1016	1022	1024	1024	1024	1023	1022	1020	1018	1016	
Mean*	1016	1016	1016	1016	1016	1016	1017	1019	1017	1012	1006	1003	1004	1006	1012	1015	1017	1017	1016	1016	1015	1015	1015	1015	
Mean**	1011	1006	1000	1000	999	1002	1007	1011	1010	1009	1008	1010	1015	1022	1029	1037	1043	1046	1048	1042	1037	1031	1025	1019	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE III.—HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY AT ABINGER.—*continued.*

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November	42000 γ + Tabular Quantities (in γ).																								
1	1030	1028	1029	1029	1029	1028	1027	1028	1028	1023	1022	1022	1023	1027	1028	1030	1032	1031	1031	1030	1027	1027	1026	1025
2	1023	1024	1024	1024	1024	1025	1024	1026	1026	1020	1017	1015	1018	1021	1023	1022	1020	1021	1021	1021	1022	1022	1020	1019
3**	1019	1018	1016	1016	1016	1010	1013	1018	1018	1015	1013	1012	1015	1023	1031	1038	1043	1051	1059	1059	1037	1045	1040	1037
4	1034	1028	1014	1009	1015	1018	1015	1021	1025	1022	1018	1016	1016	1018	1026	1034	1033	1035	1032	1031	1029	1028	1027	1026
5	1021	1014	1013	1012	1019	1023	1024	1027	1029	1026	1021	1016	1018	1022	1026	1028	1029	1029	1028	1027	1027	1027	1027	1024
6	1022	1022	1021	1020	1021	1022	1023	1026	1024	1023	1020	1019	1018	1022	1022	1024	1027	1029	1030	1029	1029	1028	1026	1020
7	1019	1018	1019	1020	1021	1023	1022	1022	1024	1019	1010	1007	1009	1018	1024	1030	1030	1030	1034	1038	1035	1029	1028	1025
8	1021	1018	1019	1021	1021	1021	1020	1019	1020	1018	1014	1014	1016	1019	1023	1028	1035	1035	1035	1034	1033	1030	1025	1021
9	1013	1005	995	993	1009	1019	1024	1029	1032	1029	1021	1020	1019	1024	1026	1027	1029	1028	1026	1025	1025	1024	1025	1024
10	1022	1022	1022	1018	1018	1020	1020	1021	1024	1026	1022	1018	1017	1019	1021	1022	1021	1022	1022	1031	1036	1036	1035	1031
11**	1029	1026	1024	1022	1020	1019	1017	1015	1014	1017	1015	1014	1021	1027	1038	1045	1048	1056	1051	1050	1051	1031	1025	1027
12	1025	1025	1025	1021	1013	1021	1025	1026	1023	1023	1023	1026	1028	1031	1031	1032	1031	1031	1031	1030	1031	1028	1026	1026
13*	1025	1023	1023	1023	1023	1025	1025	1027	1031	1026	1021	1020	1024	1026	1028	1027	1026	1026	1025	1023	1023	1023	1023	1023
14	1020	1020	1020	1021	1022	1023	1022	1023	1023	1021	1020	1017	1020	1025	1026	1026	1027	1028	1026	1025	1024	1023	1023	1022
15**	1021	1021	1020	1020	1020	1018	1017	1018	1017	1014	1012	1012	1014	1021	1031	1034	1033	1033	1032	1030	1029	1029	1025	1021
16**	1021	1023	1023	1023	1023	1022	1019	1017	1014	1006	1003	1004	1009	1019	1026	1030	1035	1034	1031	1030	1026	1025	1021	1018
17	1019	1021	1022	1023	1022	1022	1021	1020	1020	1016	1016	1018	1018	1021	1026	1028	1031	1031	1029	1028	1028	1023	1018	1019
18	1020	1018	1021	1018	1019	1023	1021	1022	1021	1021	1016	1022	1026	1030	1037	1043	1043	1038	1034	1031	1030	1021	1020	1020
19	1020	1020	1020	1022	1023	1023	1023	1025	1025	1021	1017	1016	1016	1021	1023	1028	1030	1033	1031	1028	1028	1023	1021	1019
20	1018	1018	1020	1020	1020	1021	1018	1018	1018	1018	1016	1014	1016	1021	1027	1031	1035	1036	1038	1036	1033	1031	1028	1026	1023
21	1020	1018	1019	1019	1022	1022	1022	1024	1024	1022	1019	1017	1018	1023	1024	1026	1027	1027	1026	1024	1024	1024	1022	1020
22*	1016	1017	1016	1018	1018	1018	1018	1019	1020	1019	1018	1015	1017	1018	1019	1022	1024	1024	1023	1023	1023	1022	1020	1019
23*	1017	1017	1016	1016	1016	1017	1017	1019	1021	1018	1015	1013	1015	1016	1019	1021	1023	1023	1023	1022	1021	1020	1020	1018
24*	1017	1016	1016	1016	1016	1016	1016	1016	1016	1013	1008	1009	1013	1015	1016	1019	1020	1020	1019	1018	1018	1017	1017	1017
25*	1017	1015	1014	1014	1014	1016	1015	1017	1016	1011	1009	1007	1011	1013	1016	1017	1018	1018	1017	1016	1017	1017	1017	1016
26	1017	1016	1015	1014	1014	1015	1015	1015	1015	1012	1011	1013	1014	1017	1018	1018	1018	1020	1023	1029	1032	1029	1026	1023
27	1021	1019	1017	1016	1015	1017	1017	1016	1018	1015	1013	1014	1017	1017	1019	1019	1018	1019	1019	1017	1017	1017	1017	1017
28	1017	1016	1014	1014	1013	1014	1013	1013	1014	1012	1010	1008	1009	1014	1017	1015	1016	1014	1013	1014	1013	1014	1014	1016
29**	994	971	979	979	967	958	971	987	1000	1006	1016	1031	1034	1039	1038	1038	1038	1036	1033	1033	1035	1037	1034	1032
30	1030	1031	1032	1032	1031	1033	1030	1030	1031	1028	1027	(1025)	(1027)	1028	(1031)	(1032)	1035	1033	1030	1028	1027	1026	1025	1024
Mean	1020	1018	1018	1017	1018	1018	1019	1020	1021	1019	1016	1016	1018	1022	1026	1028	1029	1030	1029	1029	1028	1026	1024	1022
Mean*	1018	1018	1017	1017	1017	1018	1018	1020	1021	1017	1014	1013	1016	1018	1020	1021	1022	1022	1021	1020	1020	1020	1019	1019
Mean**	1017	1012	1012	1012	1009	1005	1007	1011	1013	1012	1012	1015	1019	1026	1033	1037	1039	1042	1041	1040	1036	1033	1029	1027
December	42000 γ + Tabular Quantities (in γ).																								
1	1027	1026	1025	1025	1024	1026	1027	1027	1027	1026	1022	1022	1023	1032	1032	1036	1038	1041	1042	1040	1037	1035	1034	1034
2	1032	1032	1033	1032	1032	1033	1032	1032	1030	1023	1020	1015	1019	1025	1027	1032	1034	1035	1035	1035	1035	1037	1039	1031
3	1031	1030	1030	1030	1030	1032	1032	1033	1036	1036	1031	(1028)	(1030)	(1034)	1033	1034	1035	1035	1035	1035	1037	1037	1032	1029
4**	1023	1023	1023	1023	1019	1017	1022	1022	1023	1021	1015	1015	1018	1022	1022	1027	1030	1032	1034	1032	1031	1030	1030	1028
5	1026	1021	1020	1022	1025	1027	1027	1028	1027	1025	1024	1021	1022	1025	1026	1027	1029	1029	1029	1031	1030	1029	1029	1027
6	1024	1022	1024	1023	1023	1023	1022	1023	1024	1024	1022	1020	1020	1025	1024	1024	1027	1027	1031	1033	1034	1031	1029	1027
7	1022	1020	1019	1019	1020	1021	1021	1021	1020	1018	1015	1014	1012	1016	1020	1022	1025	1027	1029	1031	1033	1029	1027	1024
8	1021	1020	1019	1018	1018	1020	1020	1021	1023	1021	(1018)	(1016)	(1014)	1016	1019	1022	1024	1023	1022	1021	1024	1022	1021	1019
9*	1018	1016	1015	1015	1015	1017	1016	1018	1020	1019	1014	1012	1013	1016	1020	1018	1021	1021	1019	1020	1021	1021	1020	1018
10*	1017	1015	1014	1013	1013	1014	1014	1015	1016	1013	1010	1009	1012	1015	1016	1017	1018	1018	1018	1017	1017	1016	1016	1015
11	1015	1014	1014	1013	1013	1014	1013	1014	1016	1016	1012	1013	1014	1016	1017	1020	1020	1020	1021	1019	1019	1019	1018	1016
12**	1016	1014	1014	1012	1013	1013	1012	1012	1013	1012	1010	1010	1013	1013	1012	1017	1018	1018	1018	1019	1022	1026	1027	1025
13**	1022	1018	1015	1015	1014	1013	1012	1012	1011	1010	1010	1014	1015	1019	1020	1021	1021	1020	1020	1021	1023	1024	1024	1020
14	1021	1020	1020	1019	1018	1016	1016	1016	1016	1015	1013	1013	1014	1020	1022	1028	1028	1028	1026	1023	1023	1022	1022	1021
15	1021	1020	1020	1020	1020	1021	1021	1019	1018	1018	1017	1018	1018	1022	1022	1025	1025	1022	1022	1022	1021	1021	1020	1019
16	1018	1017	1018	1018	1017	1018	1017	1017	1016	1015	1012	1015	1014	1017	1018	1020	1025	1023	1023	1022	1022	1022	1022	1020
17	1019	1018	1018	1019	1019	1020	1020	1020	1019	1015	1011	1012	1015	1021	1022	1021	1022	1022	1023	1022	1022	1022	1021	1021
18	1016	1015	1016	1017	1018	1021	1020	1021	1021	1016	1013	1011	1015	1021	1025	1026	1028	1028	1028	1028	1027	1025	1024	1021
19*	1019	1018	1018	1018	1019	1020	1020	1020	1020	1018	1016	1014	1016	1018	1021	1020	1021	1021	1022	1022	1021	1020	1019	1018
20	1016	1015	1016	1016	1016	1017	1016	1016	1018	1017	1015	1016	1019	1024	1024	1023	1024	1024	1024	1024	1025	1027	1024	1022
21	1019	1016	1016	1016	1017	1020	1020	1020	1019	1015	1015	1016	1016	1017	1023	1029	1029	1029	1030	1027	1026	1024	1023	1022
22*	1021	1019	1018	1018	1019	1020	1020	1021	1022	1020	1020	1022	1021	1021	1021	1024	1024	1024	1024	1024	1024	1024	1024	1022
23	1021	1019	1019	1019	1019	1020	1020	1021	1021	1019	(1019)	(1020)	1023	1023	1025	1029	1028	1028	1028	1028	1028	1029	1029	1028
24*	1027	1024	1023	1022	1022	1023	1022	1024	1023	1015	1015	1019	1017	1017	1024	1024	1024	1025	1024	1024	1024	1023	1023	1022
25	1020	1019	1019	1019	1019	1018	1019	1020	1020	1019	1020	1019	1018	1016	1017	1021	1022	1020	1020	1021	1021	1022	1022	1022
26	1019	1018	1017	1017	1017	1016	1015	1016	1016	1012	1013	1017	1016	1015	1018	1020	1022	1020	1019	1019	1019	1019	1019	1019
27**	1019	1018	1018	1017	1015	1014	1012	1013	1013	1008	1014	1015	1013	1018	1023	1025	1028	1033	1035	1038	1042	1039	1035	1029
28**	1019	1014	1000	1000	995	990	999	1013	1018	1023	1027	1036	1043	1070	1082	1079	1080	1068	1053	1044	1041	1039	1038	1038
29	1035	1035	1034	1033	1033	1034	1033	1032	1030	1029	1025	1024	1025	1034	1040	1043	1045	1043	1040	1038	1035	1033	1031	1030
30	1031	1030	1030	1030	1030	1032	1032	1031	1030	1029	1030	1025	1026	1035	1036	1033	1034	1033	1034	1034	1036	1035	1033	1031
31	1029	1027	1026	1026	1026	1029	1027	1027	1026	1026	1026	1024	1022	1027	1026	1029	1030	1031	1032	1031	1029	1027	1028	1029
Mean	1022	1020	1020	1020	1019	1020	1020	1021	1021	1019	1018	1018	1019	1023	1025	1027	1028	1028	1028	1027	1027	1027	1026	1024
Mean*	1020	1018	1018	1017	1018	1019	1018	1020	1020	1017	1015	1015	1016	1017	1020	1021	1022	1022	1021	1021	1021	1021	1020	1019
Mean**	1020	1017	1014	1013	1011	1009	1011	1014	1016	1015	1015	1018	1020	1028	1032	1034	1035	1034	1032	1031	1032	1032	1031	1028

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS AS RECORDED BY THE MAGNETOGRAPHS.

Date.	Declination West.						Horizontal Intensity.						Vertical Intensity.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.			U.T.			U.T.			U.T.			U.T.			U.T.	
JAN.	11°+	h m	11°+	11°+	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	25·0	13 30	28·8	22·0	1 0	6·8	522	1 10	544	502	10 8	42	1003	19 4	1009	996	1 35	13
2	24·8	12 43	28·1	22·6	3 20	5·5	527	21 25	543	513	10 0	30	1003	18 40	1009	999	3 18	10
3*	24·7	13 20	27·8	22·3	20 20	5·5	525	20 30	542	507	11 27	35	1002	18 41	1007	995	12 55	12
4*	24·7	13 8	27·8	21·8	0 20	6·0	527	21 10	544	508	10 44	36	1000	20 17	1006	996	12 54	10
5	24·6	13 20	27·7	21·7	9 0	6·0	528	8 40	541	513	12 25	28	998	8 30	1003	993	12 24	10
6*	24·9	13 52	28·8	22·9	8 42	5·9	532	7 20	543	517	11 40	26	998	19 17	1005	993	6 55	12
7*	24·7	12 41	27·7	21·5	9 3	6·2	535	17 57	546	520	11 40	26	994	16 16	1000	985	9 56	15
8**	24·8	14 0	32·8	20·6	22 49	12·2	526	23 55	567	487	12 58	80	1000	18 40	1016	987	6 39	29
9	24·2	3 10	28·8	15·6	20 38	13·2	520	0 0	563	481	20 29	82	999	21 7	1015	986	0 16	29
10	24·6	13 14	31·2	11·0	18 21	20·2	520	18 29	553	487	19 39	66	1002	18 26	1022	988	9 54	34
11	24·6	11 5	29·2	20·4	17 53	8·8	524	8 1	535	507	17 50	28	1003	18 7	1015	994	11 28	21
12	24·8	13 40	32·8	14·3	19 40	18·5	523	19 50	553	479	14 6	74	1001	14 38	1018	989	9 58	29
13	24·1	12 30	29·8	14·3	18 50	15·5	522	1 50	560	480	15 25	80	1001	15 43	1016	983	2 33	33
14	24·2	10 58	27·8	17·5	22 30	10·3	520	0 2	535	495	11 23	40	1001	17 50	1010	995	2 10	15
15	24·5	13 19	28·6	20·6	0 11	8·0	526	7 1	539	517	11 49	22	997	16 42	1006	987	11 24	19
16*	24·5	13 49	27·8	20·2	23 10	7·6	529	8 0	541	515	11 39	26	996	17 9	1003	984	12 33	19
17	24·4	13 10	27·6	20·9	4 50	6·7	528	4 37	542	512	11 56	30	993	15 10	1001	981	11 54	20
18**	25·1	13 10	33·5	17·7	23 19	15·8	519	5 0	550	458	17 55	92	997	18 15	1024	981	5 8	43
19	24·3	14 4	30·0	17·2	19 28	12·8	520	9 5	538	502	14 19	36	995	19 54	1007	984	11 23	23
20	25·0	17 30	28·7	18·2	20 48	10·5	522	23 22	537	493	21 21	44	998	21 2	1012	990	8 55	22
21	24·4	14 50	30·0	16·8	21 11	13·2	524	23 40	556	491	21 14	65	998	21 24	1015	988	13 34	27
22	24·6	13 6	31·3	16·9	0 34	14·4	519	9 14	537	494	0 31	43	998	21 59	1016	984	12 58	32
23	24·3	13 30	27·6	18·8	0 40	8·8	526	19 14	539	507	0 0	32	996	0 7	1013	987	12 54	26
24**	24·0	19 44	34·7	8·5	22 15	26·2	508	16 52	548	432	22 12	116	1007	21 2	1070	985	12 30	85
25**	24·2	14 16	33·2	14·6	0 14	18·6	500	7 19	526	464	0 15	62	1009	0 9	1035	994	12 18	41
26**	23·3	11 20	33·2	4·6	21 12	28·6	511	21 20	565	475	11 50	90	1001	15 31	1021	986	10 2	35
27	23·7	13 1	29·6	17·4	22 40	12·2	520	22 44	564	503	13 42	61	1003	14 20	1014	992	23 4	22
28	23·7	12 30	28·9	19·0	2 38	9·9	520	4 6	544	499	13 1	45	999	21 8	1010	986	6 57	24
29	23·8	16 52	27·2	16·3	20 25	10·9	522	22 59	541	501	20 17	40	1002	20 39	1013	996	14 59	17
30	24·0	11 20	30·1	18·8	22 48	11·3	518	6 4	542	495	12 25	47	1003	18 20	1013	994	9 42	19
31	23·7	12 1	28·0	16·5	1 3	11·5	520	22 31	555	503	12 40	52	1004	22 10	1011	995	0 55	16
Mean	24·4	—	29·6	17·8	—	11·9	522	—	546	495	—	50·8	1000	—	1014	989	—	24·6
Mean*	24·7	—	28·0	21·7	—	6·2	530	—	543	513	—	29·8	998	—	1004	991	—	13·6
Mean**	24·3	—	33·5	13·2	—	20·3	513	—	551	463	—	88·0	1003	—	1033	987	—	46·6
FEB.	11°+	h m	11°+	11°+	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1*	24·1	13 36	28·6	20·0	0 12	8·6	524	5 40	534	513	11 17	21	1001	20 9	1010	990	12 55	20
2	24·7	19 30	33·9	16·5	23 9	17·4	519	15 10	542	482	19 38	60	1007	20 50	1032	993	10 24	39
3	22·9	13 30	27·9	17·2	3 29	10·7	521	6 40	539	506	10 21	33	1003	19 14	1012	989	12 40	23
4	25·0	9 25	30·4	21·3	6 39	9·1	520	3 6	545	493	8 46	52	1002	17 7	1013	992	6 37	21
5*	24·0	13 34	28·2	22·0	23 38	6·2	527	8 0	542	512	13 41	30	997	23 59	1000	987	13 20	13
6	23·9	15 24	26·2	20·8	1 2	5·4	530	0 30	550	515	17 7	35	995	18 17	1002	989	6 59	13
7*	23·8	17 16	25·5	22·0	18 51	3·5	535	14 6	554	517	19 10	37	992	19 23	999	977	13 0	22
8	24·0	13 24	27·5	19·9	21 44	7·6	529	13 54	546	511	20 0	35	992	20 44	1002	980	12 17	22
9	24·6	12 16	32·6	18·2	17 39	14·4	525	21 26	557	496	13 1	61	992	17 43	1009	980	10 58	29
10	22·7	11 50	30·8	12·3	22 21	18·5	521	21 28	550	472	16 18	78	994	17 0	1019	980	1 20	39
11	24·1	11 3	28·7	19·6	0 21	9·1	524	1 9	550	505	11 18	45	993	15 10	1003	981	1 53	22
12	23·9	12 28	27·8	21·2	9 2	6·6	527	23 59	537	501	12 55	36	993	18 8	999	982	12 40	17
13*	24·0	12 32	28·1	21·8	23 10	6·3	532	7 57	543	520	13 1	23	990	18 41	998	976	11 27	22
14	24·0	16 12	30·9	19·0	20 7	11·9	528	14 9	558	493	16 38	65	993	20 18	1006	977	13 30	29
15	22·7	12 40	29·7	16·8	2 11	12·9	518	14 54	535	482	16 22	53	996	16 51	1010	978	12 12	32
16**	24·1	14 25	33·0	14·8	21 39	18·2	523	20 52	581	447	11 47	134	996	18 22	1025	970	11 22	55
17**	22·2	13 57	34·9	12·2	19 21	22·7	511	18 43	567	469	15 40	98	1002	18 20	1042	983	11 47	59
18	23·1	13 54	28·2	18·6	0 44	9·6	511	23 30	527	490	16 45	37	1003	17 1	1020	991	10 51	29
19**	23·2	15 20	31·4	8·7	20 50	22·7	511	20 59	584	449	21 36	135	1006	16 43	1038	985	13 0	53
20	22·7	12 57	27·9	17·8	2 16	10·1	515	1 53	542	495	0 23	47	1001	20 39	1016	985	11 56	31
21**	23·8	12 35	33·0	15·4	21 12	17·6	513	18 47	556	478	17 55	78	1005	18 20	1032	988	10 22	44
22**	22·4	13 54	30·1	11·9	21 34	18·2	514	21 40	575	472	14 39	103	1001	15 41	1027	987	12 20	40
23	23·0	13 29	29·5	10·1	23 37	19·4	514	19 23	536	489	20 5	47	1003	19 11	1024	985	11 23	39
24	23·1	11 51	29·9	14·7	0 0	15·2	519	21 28	551	500	12 39	51	1001	17 7	1011	985	11 2	26
25	23·1	13 44	30·8	18·2	22 39	12·6	519	2 50	533	495	21 31	38	1002	21 40	1019	980	11 31	39
26	23·2	14 20	34·8	11·4	24 0	23·4	515	1 0	564	478	18 40	86	1004	19 12	1035	981	12 20	54
27	22·5	13 24	31·6	10·3	0 7	21·3	514	2 39	539	489	15 8	50	1004	18 5	1028	985	11 44	43
28*	23·1	13 42	28·6	19·8	0 26	8·8	519	19 31	533	503	12 42	30	1000	18 10	1008	984	12 23	24
29	23·8	12 34	30·2	16·5	23 17	13·7	525	14 53	538	505	15 59	33	999	20 8	1010	983	12 32	27
Mean	23·5	—	30·0	16·9	—	13·2	521	—	549	493	—	56·2	999	—	1016	984	—	31·9
Mean*	23·8	—	27·8	21·1	—	6·7	527	—	541	513	—	28·2	996	—	1003	983	—	20·2
Mean**	23·1	—	32·5	12·6	—	19·9	514	—	573	463	—	109·6	1002	—	1034	983	—	50·2

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS—*continued.*

Date.	Declination West.						Horizontal Intensity.						Vertical Intensity.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.			U.T.			U.T.			U.T.			U.T.			U.T.	
MAR.	11°+	h m	11°+	11°+	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	23·3	13 24	27·2	18·9	8 35	8·3	526	7 30	538	505	12 46	33	999	0 10	1006	982	12 17	24
2	22·9	14 1	28·0	18·5	9 41	9·5	527	21 35	547	509	11 58	38	996	21 28	1006	977	11 28	29
3*	23·2	14 9	26·6	19·6	9 36	7·0	534	18 30	545	523	11 54	22	994	23 34	1000	983	11 55	17
4*	23·4	14 19	28·7	19·5	9 30	9·2	537	8 14	549	517	12 18	32	992	23 30	999	977	12 1	22
5	23·1	13 27	30·2	16·2	2 0	14·0	534	20 46	545	517	15 24	28	993	17 6	1003	971	12 36	32
6	23·5	13 59	30·1	15·6	22 24	14·5	531	8 23	549	509	12 53	40	993	22 35	1006	971	11 59	35
7*	23·5	13 40	30·3	19·2	9 10	11·1	529	23 10	543	506	14 8	37	994	16 20	1003	981	11 12	22
8	23·6	14 39	33·3	16·8	22 25	16·5	529	7 50	555	491	15 54	64	996	16 10	1019	974	11 18	45
9	24·1	14 26	33·6	18·4	9 3	15·2	525	18 40	545	498	16 27	47	999	18 40	1014	976	11 26	38
10	23·4	13 5	30·6	18·2	8 50	12·4	529	22 10	544	502	12 20	42	995	17 4	1007	976	11 59	31
11*	23·5	14 6	29·7	18·7	9 10	11·0	534	7 8	547	515	12 20	32	995	17 40	1003	976	11 59	27
12*	23·1	14 19	28·4	17·6	9 31	10·8	534	7 27	548	511	12 0	37	995	17 7	1003	979	12 0	24
13	23·6	13 24	31·6	18·4	9 23	13·2	538	7 29	559	516	11 40	43	992	17 7	999	975	12 41	24
14	23·0	13 48	27·4	18·4	8 41	9·0	534	5 40	547	524	18 20	23	992	17 43	1005	973	12 56	32
15	22·4	13 57	30·1	17·1	23 4	13·0	528	23 10	551	506	12 30	45	991	19 34	1009	964	11 23	45
16	23·2	13 45	29·7	18·3	8 55	11·4	530	6 30	545	511	11 17	34	992	18 50	1003	974	11 21	29
17	21·8	13 20	29·4	16·5	2 27	12·9	527	23 30	557	508	12 10	49	997	16 12	1009	982	23 58	27
18	22·0	13 30	30·7	16·7	1 52	14·0	524	23 48	548	499	12 25	49	995	20 57	1014	973	12 17	41
19	21·9	13 20	30·0	16·5	21 40	13·5	523	20 42	561	496	11 48	65	996	20 13	1011	979	12 24	32
20**	22·8	13 42	32·4	15·4	23 10	17·0	520	3 53	551	485	14 2	66	998	18 40	1020	973	11 58	47
21**	21·6	14 21	31·7	12·4	20 40	19·3	510	21 4	558	449	10 50	109	996	18 36	1026	973	10 58	53
22	21·9	13 20	31·6	12·8	20 49	18·8	516	19 55	558	490	12 23	68	995	19 32	1017	969	12 23	48
23**	22·7	13 0	33·0	7·2	18 49	25·8	514	18 58	557	468	11 13	89	1002	18 52	1044	977	11 11	67
24**	22·2	14 20	34·2	10·7	22 4	23·5	516	23 59	555	478	10 1	77	1000	20 13	1026	975	11 39	51
25**	21·5	13 54	34·6	8·9	23 38	25·7	513	21 31	550	466	11 38	84	996	17 1	1015	970	2 46	45
26	21·7	13 30	34·2	9·7	1 21	24·5	512	21 23	546	482	10 42	64	994	20 42	1015	971	11 33	44
27	21·7	13 50	32·0	12·0	19 56	20·0	513	19 40	574	479	11 40	95	1000	19 35	1028	972	11 20	56
28	21·2	13 54	30·3	14·7	8 7	15·6	516	1 54	546	472	11 32	74	997	17 20	1010	971	11 55	39
29	21·9	13 17	31·1	15·6	9 0	15·5	521	3 9	544	486	12 22	58	997	17 10	1010	973	12 17	37
30	21·8	13 31	29·7	14·7	9 12	15·0	523	20 22	542	486	11 40	56	997	18 40	1008	971	11 38	37
31	21·8	14 25	30·6	14·3	7 59	16·3	526	23 20	554	486	11 40	68	995	18 1	1012	973	12 22	39
Mean	22·6	—	30·7	15·7	—	15·0	525	—	550	497	—	53·8	996	—	1012	975	—	36·7
Mean*	23·4	—	28·7	18·9	—	9·8	534	—	546	514	—	32·0	994	—	1002	979	—	22·4
Mean**	22·2	—	33·2	10·9	—	22·3	515	—	554	469	—	85·0	998	—	1026	974	—	52·6
APRIL	11°+	h m	11°+	11°+	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	22·2	14 5	31·8	14·0	8 21	17·8	527	6 48	550	480	18 16	70	1002	18 40	1046	972	12 31	74
2	22·5	14 42	30·4	4·0	21 44	26·4	525	1 53	547	489	12 38	58	998	7 20	1030	984	14 31	46
3	21·6	13 30	32·5	3·7	20 28	28·8	523	23 45	561	475	20 24	86	1001	19 22	1038	972	11 33	66
4	22·0	13 40	29·6	15·5	8 49	14·1	520	0 2	548	488	11 0	60	998	17 10	1009	979	11 55	30
5*	22·6	13 20	31·8	14·9	8 52	16·9	521	6 29	538	484	11 23	54	996	18 6	1008	964	11 45	44
6*	23·0	13 57	31·3	15·7	7 40	15·6	529	19 6	549	496	11 40	53	993	6 45	1002	973	11 57	29
7	23·3	14 4	35·0	15·4	8 42	19·6	526	5 15	548	487	11 41	61	995	17 40	1012	971	12 14	41
8	22·7	13 24	34·0	13·6	7 55	20·4	525	6 6	551	478	13 55	73	996	19 7	1016	969	12 16	47
9	22·6	13 43	30·7	16·4	8 22	14·3	528	19 22	550	488	11 17	62	995	18 10	1008	970	12 20	38
10*	23·1	13 58	31·5	16·5	8 36	15·0	528	5 58	547	490	11 20	57	997	17 42	1008	976	12 18	32
11	22·8	13 0	28·6	17·6	23 59	11·0	527	19 56	559	489	11 34	70	995	7 0	1006	973	11 52	33
12	22·9	15 2	32·2	14·8	0 34	17·4	528	22 44	551	494	11 12	57	997	18 6	1021	965	12 20	56
13	22·7	13 30	32·6	16·6	7 45	16·0	526	16 28	557	482	16 57	75	996	17 26	1025	963	11 50	62
14	21·6	13 58	29·3	13·7	20 0	15·6	522	19 29	555	494	21 54	61	998	19 29	1022	968	12 30	54
15	22·5	13 53	31·6	14·1	20 10	17·5	514	21 10	553	464	12 0	89	1003	17 29	1043	975	11 27	68
16	20·4	13 59	29·8	9·9	2 7	19·9	515	20 40	554	476	11 33	78	997	18 41	1011	976	12 32	35
17	20·8	24 0	31·1	13·1	23 14	18·0	520	23 59	590	478	10 44	112	1000	21 7	1021	973	11 1	48
18**	19·8	16 10	34·0	3·5	2 38	30·5	513	0 2	590	466	5 33	124	998	19 5	1060	957	5 18	103
19**	21·3	13 13	34·1	9·9	21 32	24·2	513	24 0	565	453	11 27	112	1001	17 22	1057	969	23 44	88
20**	20·6	13 56	33·2	12·5	21 34	20·7	501	0 2	570	455	12 35	115	1003	18 9	1055	964	0 24	91
21**	22·1	12 41	38·0	4·6	23 20	33·4	506	22 19	607	449	12 15	158	1000	19 10	1043	941	23 56	102
22**	21·8	14 10	36·5	8·2	19 59	28·3	497	20 7	572	435	9 13	137	998	14 43	1059	943	0 0	116
23	23·2	13 26	35·1	13·3	20 50	21·8	508	16 44	580	455	11 33	125	1006	16 49	1058	976	0 0	82
24	22·6	13 57	29·8	16·4	9 0	13·4	514	23 41	562	481	10 40	81	1009	17 27	1034	990	12 32	44
25	21·9	13 1	32·6	15·1	9 5	17·5	515	21 30	560	461	12 4	99	1005	18 28	1026	981	11 35	45
26*	22·1	13 57	29·2	15·6	8 27	13·6	523	17 39	545	494	10 24	51	1004	19 10	1017	976	12 18	41
27	22·2	14 21	30·1	15·5	8 6	14·6	527	20 12	563	492	11 35	71	1000	18 10	1015	969	12 36	46
28	21·5	14 58	28·4	15·0	8 38	13·4	528	20 42	551	499	13 47	52	1001	18 38	1026	971	12 20	55
29*	22·3	13 28	29·8	15·7	8 7	14·1	528	23 41	543	490	11 41	53	1000	17 40	1013	977	12 40	36
30	21·7	13 29	27·9	14·3	8 2	13·6	530	23 6	554	494	11 20	60	1000	18 15	1013	978	12 59	35
Mean	22·1	—	31·8	13·0	—	18·8	520	—	559	479	—	80·5	999	—	1027	971	—	56·2
Mean*	22·6	—	30·7	15·7	—	15·0	526	—	544	491	—	53·6	998	—	1010	973	—	36·4
Mean**	21·1	—	35·2	7·7	—	27·4	506	—	581	452	—	129·2	1000	—	1055	955	—	100·0

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS—*continued.*

Date.	Declination West.						Horizontal Intensity.						Vertical Intensity.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.			U.T.			U.T.			U.T.			U.T.			U.T.	
MAY	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	21·1	12 47	29·7	14·7	0 55	15·0	527	0 9	578	487	11 40	91	996	17 18	1011	972	12 10	39
2	22·0	13 15	29·4	15·0	8 3	14·4	531	1 48	550	496	11 35	54	998	18 10	1011	972	11 32	39
3	22·0	13 3	28·9	13·3	7 6	15·6	537	23 20	562	507	10 30	55	994	6 1	1005	969	12 29	36
4	22·3	14 10	32·1	11·3	18 49	20·8	535	14 10	578	492	15 19	86	1002	18 54	1035	971	11 22	64
5	21·6	12 28	28·5	11·8	6 54	16·7	523	17 26	554	498	7 58	56	1002	18 14	1013	981	11 56	32
6	22·1	13 0	31·5	14·3	7 23	17·2	531	17 50	553	505	10 40	48	999	17 40	1014	971	11 58	43
7*	21·9	12 53	32·8	13·2	7 30	19·6	535	19 11	550	502	9 16	48	—	—	—	—	—	—
8*	22·1	12 57	30·4	16·2	7 40	14·2	534	17 29	559	495	10 20	64	—	—	—	—	—	—
9*	21·4	13 16	27·9	13·9	7 54	14·0	532	18 10	557	503	10 20	54	993	18 9	1004	964	11 36	40
10	23·0	12 3	32·3	14·7	8 3	17·6	537	17 25	599	493	12 46	106	995	19 29	1030	957	10 44	73
11**	23·1	14 33	35·8	14·3	7 54	21·5	539	14 33	581	484	9 19	97	990	19 58	1003	960	10 38	43
12**	22·9	13 52	34·5	12·8	7 59	21·7	529	18 36	661	466	11 59	195	995	18 32	1043	963	11 55	80
13	20·8	13 53	28·4	14·5	6 55	13·9	524	0 34	562	481	11 5	81	998	18 14	1018	974	11 54	44
14	20·4	13 42	30·2	12·5	8 7	17·7	530	18 17	570	492	12 12	78	1002	18 58	1035	963	12 12	72
15	20·6	13 56	28·6	14·3	23 58	14·3	525	20 21	569	479	8 50	90	996	19 48	1017	972	12 0	45
16	22·1	13 30	34·6	14·3	0 30	20·3	522	23 3	581	476	13 2	105	999	17 47	1038	973	12 8	65
17	21·0	13 20	30·9	13·9	6 0	17·0	518	19 25	559	482	10 52	77	996	19 25	1015	970	11 59	45
18**	21·4	13 14	33·5	13·8	5 32	19·7	522	19 32	604	457	8 0	147	997	19 31	1024	967	23 32	57
19**	21·1	12 16	31·4	11·1	7 27	20·3	515	19 28	581	454	10 20	127	1000	16 1	1037	973	10 57	64
20	21·4	13 54	30·3	11·9	7 22	18·4	519	18 1	577	465	8 51	112	1006	18 17	1033	979	12 0	54
21	20·9	13 50	27·1	13·3	8 47	13·8	520	17 58	572	480	13 7	92	1003	18 16	1025	978	11 18	47
22	20·9	13 50	30·0	11·4	7 43	18·6	520	23 26	549	477	10 13	72	1001	16 10	1022	975	11 55	47
23*	21·3	12 35	30·2	13·6	7 42	16·6	524	19 20	551	488	9 59	63	996	17 8	1014	962	11 54	52
24*	21·6	13 20	30·6	14·4	7 21	16·2	528	18 57	548	490	9 40	58	999	19 12	1012	972	12 17	40
25	20·7	13 58	28·8	13·3	8 30	15·5	535	18 36	563	503	12 36	60	1003	18 36	1018	975	12 53	43
26	21·6	13 6	30·1	14·6	8 30	15·5	530	18 27	559	473	13 27	86	1002	18 24	1036	971	11 30	65
27	20·2	13 57	26·5	12·7	7 34	13·8	529	19 18	559	484	10 31	75	1005	18 29	1021	981	12 20	40
28	21·2	13 29	29·3	12·6	7 36	16·7	533	17 37	578	498	14 2	80	1002	18 23	1019	976	10 57	43
29**	20·9	13 50	30·0	12·3	7 52	17·7	526	17 8	557	472	14 24	85	1008	17 40	1035	972	10 39	63
30	21·1	13 5	27·4	14·1	5 16	13·3	535	23 55	607	500	14 4	107	1002	17 30	1027	980	11 53	47
31	19·5	12 42	27·3	10·6	3 29	16·7	532	0 54	601	494	12 3	107	997	17 10	1019	972	3 10	47
Mean	21·4	—	30·3	13·3	—	17·0	528	—	572	486	—	85·7	999	—	1022	971	—	50·7
Mean*	21·7	—	30·4	14·3	—	16·1	531	—	553	496	—	57·4	996	—	(1010)	(966)	—	(44·0)
Mean**	21·9	—	33·1	12·9	—	20·2	526	—	597	467	—	130·2	998	—	1028	967	—	61·4
JUNE	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1**	21·4	11 35	30·6	9·5	21 0	21·1	533	16 46	614	488	9 14	126	1007	16 47	1044	988	9 29	56
2**	20·7	14 20	30·8	12·9	20 50	17·9	534	17 6	616	481	11 52	135	1004	19 20	1035	969	11 50	66
3	20·4	14 5	28·1	13·3	8 46	14·8	523	23 5	579	482	11 10	97	1003	18 28	1021	983	10 28	38
4	20·3	14 19	29·3	12·7	8 14	16·6	529	19 50	556	471	11 55	85	1004	16 14	1016	980	11 55	36
5*	20·1	13 53	26·6	13·5	7 53	13·1	527	18 31	553	489	12 54	64	1003	18 36	1016	985	12 12	31
6*	19·6	14 46	26·9	11·1	8 40	15·8	531	18 30	557	500	10 44	57	1000	17 10	1014	972	11 32	42
7	21·6	14 20	29·6	15·5	8 11	14·1	540	19 36	574	500	10 36	74	996	18 10	1013	962	11 46	51
8	20·3	13 50	30·0	7·5	22 40	22·5	536	17 48	607	492	12 36	115	1004	17 48	1033	979	11 1	54
9**	21·9	16 0	33·8	11·9	6 5	21·9	522	17 52	614	429	16 16	185	1005	17 50	1046	969	13 14	77
10**	19·4	13 1	28·6	11·1	8 50	17·5	522	19 54	580	465	13 13	115	1012	19 45	1042	983	10 59	59
11	20·1	15 0	27·4	12·7	8 32	14·7	526	18 18	560	484	13 32	76	1008	18 16	1024	988	12 7	36
12	20·2	13 31	26·0	15·1	4 30	10·9	529	19 46	556	501	12 59	55	1004	19 40	1020	983	11 59	37
13	20·3	13 56	29·4	13·1	6 40	16·3	532	19 50	583	493	12 15	90	1003	19 46	1033	969	11 18	64
14	19·5	13 53	25·4	13·5	6 6	11·9	533	16 49	575	494	7 20	81	1006	18 13	1031	983	11 18	48
15	20·4	14 49	28·6	13·0	6 50	15·6	529	17 53	595	476	9 12	119	1002	17 50	1036	974	11 58	62
16	20·3	13 53	29·2	12·3	6 40	16·9	527	20 20	581	478	11 36	103	1005	17 8	1029	981	11 21	48
17	20·1	13 54	27·4	13·1	7 40	14·3	528	18 23	559	500	12 24	59	1005	18 14	1027	983	12 29	44
18	20·7	14 2	30·4	12·5	23 33	17·9	536	20 15	600	493	11 47	107	999	18 21	1017	969	11 30	48
19**	23·9	3 49	34·9	11·7	0 19	23·2	483	0 11	601	<365	8 5	>236	1002	15 2	1088	905	4 44	183
20	19·2	14 10	27·7	10·0	6 23	17·7	510	4 57	561	460	10 34	101	1014	18 9	1030	988	13 1	42
21	19·8	14 36	27·4	12·6	8 33	14·8	518	20 40	550	459	10 47	91	1008	5 10	1021	980	11 50	41
22	20·0	13 48	27·8	11·2	8 3	16·6	525	19 20	560	464	10 46	96	1013	18 14	1031	988	11 22	43
23*	20·1	13 44	27·7	13·1	7 40	14·6	525	19 0	553	471	10 59	82	1008	5 24	1021	985	12 32	36
24	20·7	14 9	29·6	12·8	8 6	16·8	536	16 15	570	490	10 12	80	1009	19 26	1028	981	11 55	47
25	19·8	14 12	25·4	13·1	8 22	12·3	534	19 52	558	497	11 17	61	1008	17 13	1021	988	11 53	33
26	20·0	14 56	29·6	11·8	6 27	17·8	536	18 58	586	497	10 32	89	1004	18 43	1021	985	13 1	36
27	19·7	13 59	27·3	12·9	7 3	14·4	531	18 32	559	492	10 4	67	1003	18 8	1017	984	11 54	33
28	19·6	14 58	26·5	13·1	6 44	13·4	534	19 28	564	504	12 30	60	1001	6 44	1016	974	11 17	42
29*	19·3	15 30	25·3	12·5	8 4	12·8	536	18 23	564	505	9 24	59	1001	19 12	1016	964	11 21	52
30*	19·6	14 11	26·7	12·2	7 54	14·5	539	18 32	570	509	9 52	61	1002	18 25	1013	976	11 59	37
Mean	20·3	—	28·5	12·4	—	16·1	528	—	575	(481)	—	(94·2)	1005	—	1027	977	—	50·7
Mean*	19·7	—	26·6	12·5	—	14·2	532	—	559	495	—	64·6	1003	—	1016	976	—	39·6
Mean**	21·4	—	31·7	11·4	—	20·3	519	—	605	(446)	—	(159·4)	1006	—	1051	963	—	88·2

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS—*continued.*

Date.	Declination West.						Horizontal Intensity.						Vertical Intensity.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.		U.T.				U.T.		U.T.				U.T.		U.T.		
JULY	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	20·0	13 51	28·0	12·4	7 9	15·6	536	19 21	564	501	11 0	63	1003	5 27	1014	984	10 59	30
2**	19·0	14 48	35·8	4·3	7 44	31·5	516	19 8	586	443	11 59	143	1020	15 44	1083	983	9 30	100
3	20·9	0 49	28·6	15·3	5 54	13·3	516	0 50	558	483	10 33	75	1016	17 9	1027	985	1 7	42
4	19·6	13 36	25·4	14·2	7 40	11·2	523	21 6	555	481	10 31	74	1013	17 19	1026	991	11 19	35
5	20·3	13 21	26·4	15·5	6 2	10·9	529	2 34	579	470	10 20	109	1018	17 25	1050	987	9 49	63
6**	20·3	14 57	33·3	11·3	21 44	22·0	523	21 54	580	450	12 30	130	1017	17 8	1052	988	10 54	64
7	19·0	12 47	26·8	10·5	8 48	16·3	516	17 13	571	438	9 49	133	1012	17 14	1035	987	1 50	48
8	18·5	14 1	29·2	13·2	8 24	16·0	525	19 22	576	469	10 21	107	1011	19 11	1032	993	9 58	39
9	19·3	14 53	26·7	12·4	8 32	14·3	528	18 43	564	497	9 25	67	1012	19 40	1030	987	13 23	43
10**	19·7	14 23	31·0	12·4	7 53	18·6	530	16 1	597	477	22 11	120	1011	18 18	1056	983	23 44	73
11**	20·2	16 23	35·0	7·9	0 40	27·1	519	16 3	631	438	8 56	193	1011	18 19	1045	977	3 1	68
12	19·1	14 57	28·1	12·2	7 12	15·9	526	21 27	595	487	13 21	108	1009	19 10	1027	983	12 1	44
13	19·4	13 54	26·6	13·4	3 28	13·2	523	18 51	581	470	11 44	111	1011	18 41	1040	994	3 21	46
14*	19·0	14 10	26·4	11·6	8 1	14·8	527	18 59	556	499	12 1	57	1011	17 54	1026	985	12 24	41
15*	19·9	13 30	27·7	14·7	5 10	13·0	528	21 0	550	497	11 57	53	1012	18 57	1024	994	11 52	30
16	19·6	2 55	27·6	9·9	7 55	17·7	533	23 58	570	485	12 16	85	1004	17 54	1022	981	5 57	41
17	19·9	14 33	28·0	12·7	5 30	15·3	539	23 42	602	484	10 50	118	1008	19 31	1031	985	11 56	46
18	19·4	13 49	28·2	12·7	6 47	15·5	534	1 22	583	481	9 7	102	1006	19 19	1024	977	12 4	47
19	19·1	13 32	28·6	11·3	8 33	17·3	527	19 56	554	481	10 38	73	1012	17 10	1026	995	11 50	31
20	19·9	14 32	27·1	13·3	7 52	13·8	526	17 2	569	484	10 24	85	1014	17 10	1039	993	12 55	46
21*	19·1	13 24	27·2	11·8	8 2	15·4	530	18 24	555	486	10 58	69	1015	18 20	1030	992	12 22	38
22	18·9	14 10	26·6	10·4	7 50	16·2	531	19 53	559	494	11 27	65	1011	18 10	1024	988	12 15	36
23*	19·4	14 10	25·1	13·3	7 44	11·8	528	19 6	549	481	10 1	68	1008	8 1	1022	977	11 0	45
24*	19·7	14 58	26·2	13·4	8 1	12·8	536	19 59	562	506	10 59	56	1010	17 40	1021	995	11 42	26
25	18·9	13 14	28·6	11·7	7 46	16·9	535	5 12	560	489	11 55	71	1002	18 10	1018	974	12 48	44
26	19·7	12 40	28·3	12·3	7 25	16·0	532	1 44	561	494	10 20	67	1004	17 23	1023	987	11 30	36
27	19·4	14 13	28·4	11·8	8 13	16·6	534	19 30	569	494	10 10	75	1008	17 49	1026	983	12 55	43
28	19·6	12 42	28·0	11·4	5 3	16·6	535	19 4	567	504	10 15	63	1001	16 59	1018	971	10 34	47
29**	21·1	16 13	36·3	13·3	6 34	23·0	532	14 31	605	450	16 20	155	1014	18 39	1067	983	10 44	84
30	19·5	13 58	24·9	11·9	7 40	13·0	520	3 10	541	489	9 1	52	1010	16 40	1025	991	3 58	34
31	19·5	13 54	28·3	14·1	6 38	14·2	529	16 20	568	477	10 21	91	1014	17 18	1036	995	11 57	41
Mean	19·6	—	28·5	12·2	—	16·3	528	—	572	480	—	91·6	1011	—	1033	986	—	46·8
Mean*	19·4	—	26·5	13·0	—	13·5	530	—	554	494	—	60·6	1011	—	1025	989	—	36·0
Mean**	20·1	—	34·3	9·8	—	24·5	524	—	600	452	—	148·2	1015	—	1061	983	—	77·8
AUG.	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	18·4	14 34	26·0	11·7	6 31	14·3	527	0 50	550	496	12 1	54	1012	17 16	1030	991	2 8	39
2	19·2	13 57	27·1	11·9	8 34	15·2	531	21 8	573	493	9 32	80	1009	7 29	1021	986	13 1	35
3	19·8	13 41	31·3	12·8	7 40	18·5	533	17 58	563	496	10 15	67	1010	16 40	1024	992	12 18	32
4	19·5	13 43	27·4	13·8	5 38	13·6	529	21 40	550	482	10 51	68	1005	18 34	1019	986	9 57	33
5**	19·5	13 22	32·5	11·4	7 51	21·1	532	17 22	569	499	11 27	70	1009	18 10	1033	976	12 20	57
6**	19·2	13 49	29·1	12·4	8 38	16·7	524	18 52	559	485	6 28	74	1005	17 40	1025	984	12 53	41
7*	18·7	14 41	25·5	11·5	7 21	14·0	533	19 7	555	497	9 40	58	1006	4 45	1019	983	11 29	36
8**	19·6	13 28	28·7	7·4	20 47	21·3	536	17 2	584	504	11 0	80	1007	19 38	1029	980	11 43	49
9	18·8	14 40	26·3	11·4	6 50	14·9	528	19 29	562	487	11 6	75	1006	19 24	1030	973	11 27	57
10**	19·3	12 20	28·7	12·7	5 35	16·0	526	18 40	554	478	13 12	76	1006	18 39	1025	990	12 57	35
11*	17·9	14 29	24·7	11·8	8 36	12·9	525	20 3	548	494	9 40	54	1011	17 49	1023	985	12 22	38
12	19·1	14 29	27·5	14·2	8 42	13·3	531	22 42	568	507	10 44	61	1006	6 43	1019	980	11 58	39
13	18·6	13 30	24·4	11·4	6 31	13·0	531	18 59	557	499	10 0	58	1004	16 10	1015	981	12 12	34
14	19·1	13 2	26·8	13·2	7 22	13·6	535	20 11	561	509	15 20	52	1003	19 43	1012	975	11 56	37
15	19·7	13 55	27·9	14·1	7 46	13·8	531	0 31	554	494	13 40	60	1004	17 50	1017	982	12 21	35
16	18·7	13 59	24·9	13·7	9 1	11·2	530	18 25	553	499	11 41	54	1008	18 23	1023	990	11 40	33
17	18·1	13 30	23·7	12·8	7 45	10·9	528	21 52	549	497	10 20	52	1007	17 27	1020	990	11 52	30
18*	18·6	12 48	25·1	13·0	8 8	12·1	529	18 28	546	496	10 1	50	1003	4 45	1015	977	11 57	38
19*	19·1	13 15	26·9	11·7	8 0	15·2	533	19 58	552	499	12 28	53	1001	16 1	1015	974	11 55	41
20	19·1	13 26	26·0	13·5	7 50	12·5	535	18 45	560	495	10 49	65	1006	17 39	1021	985	12 16	36
21	18·9	13 1	27·6	12·1	7 3	15·5	530	0 18	565	493	11 14	72	1002	17 9	1018	975	11 57	43
22	18·2	13 17	24·1	12·4	6 33	11·7	532	18 24	559	494	12 50	65	1004	19 10	1019	983	11 58	36
23*	19·1	13 20	26·2	12·5	8 12	13·7	530	19 20	554	495	12 14	59	1004	17 52	1016	976	12 3	40
24	18·6	12 30	25·8	11·6	7 51	14·2	532	19 6	560	498	10 40	62	1002	6 22	1011	976	11 56	35
25	18·7	13 6	27·3	11·5	7 55	15·8	536	19 8	565	492	10 59	73	1001	6 40	1012	978	11 38	34
26	18·3	14 12	24·8	12·9	6 46	11·9	537	18 49	557	506	11 58	51	998	1 2	1009	971	11 58	38
27	19·3	12 14	28·5	14·2	7 32	14·3	536	23 38	559	495	11 4	64	1000	17 10	1013	962	11 37	51
28	19·0	12 22	24·4	14·8	0 10	9·6	533	21 50	563	507	7 57	57	1006	7 24	1013	989	11 18	24
29	18·4	12 40	23·1	14·5	6 50	8·6	537	23 11	583	514	10 59	69	1001	21 1	1011	974	13 13	37
30**	17·4	13 15	25·1	7·4	2 36	17·7	524	17 53	589	488	9 39	101	1000	17 50	1027	988	14 20	39
31	18·4	12 43	25·7	11·5	3 38	14·2	525	19 0	551	496	11 31	55	1003	0 14	1015	977	12 1	38
Mean	18·8	—	26·6	12·3	—	14·3	531	—	560	496	—	64·2	1005	—	1019	981	—	38·4
Mean*	18·7	—	25·7	12·1	—	13·6	530	—	551	496	—	54·8	1005	—	1018	979	—	38·6
Mean**	19·0	—	28·8	10·3	—	18·5	528	—	571	491	—	80·2	1005	—	1028	984	—	44·2

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS—*continued.*

Date.	DECLINATION WEST.						HORIZONTAL INTENSITY.						VERTICAL INTENSITY.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.			U.T.			U.T.			U.T.			U.T.			U.T.	
SEP.	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	17·8	12 40	25·1	11·9	8 1	13·2	524	19 38	545	487	9 51	58	1006	16 3	1017	992	11 0	25
2	18·0	13 24	27·0	12·9	3 15	14·1	522	2 37	546	477	10 6	69	1005	4 49	1013	987	11 12	26
3*	19·6	12 32	26·5	12·1	7 42	14·4	523	22 32	541	478	9 56	63	1005	6 22	1017	984	10 56	33
4	17·6	12 43	28·4	10·1	7 55	18·3	526	21 45	564	471	9 48	93	1006	7 7	1019	985	11 22	34
5	17·8	13 36	26·9	10·8	9 4	16·1	528	21 14	548	485	9 57	63	1005	16 21	1019	988	11 16	31
6	18·2	12 40	27·1	11·8	3 20	15·3	524	2 10	546	484	9 41	62	1005	7 24	1015	984	12 20	31
7*	18·7	12 2	25·3	13·8	7 24	11·5	529	22 22	547	499	9 46	48	1005	7 22	1014	985	11 0	29
8	18·5	13 5	25·9	13·4	7 44	12·5	527	20 42	547	490	10 45	57	1004	17 40	1016	982	12 57	34
9	18·9	13 21	26·3	14·1	6 50	12·2	524	0 50	554	482	11 41	72	1007	19 40	1017	995	11 19	22
10	18·5	12 26	26·5	13·0	7 43	13·5	524	4 1	550	474	11 14	76	1007	17 40	1020	993	10 55	27
11**	19·3	13 37	29·4	12·1	9 22	17·3	519	23 30	572	478	10 16	94	1013	16 0	1045	978	11 18	67
12	18·1	12 47	24·5	13·0	7 55	11·5	521	21 33	554	495	10 50	59	1013	7 22	1019	997	12 45	22
13*	17·9	13 41	24·6	12·3	8 33	12·3	525	20 6	543	495	9 48	48	1011	22 12	1017	989	11 44	28
14	18·2	14 26	23·2	12·7	8 36	10·5	527	23 35	546	491	10 45	55	1011	7 34	1021	993	11 57	28
15	18·8	12 39	26·0	14·1	7 50	11·9	526	0 25	550	495	11 21	55	1014	17 54	1024	999	10 57	25
16*	18·6	13 1	26·8	12·6	8 7	14·2	527	23 23	542	492	10 20	50	1005	0 0	1017	983	10 56	34
17	18·4	13 5	24·8	12·9	8 15	11·9	532	21 58	560	498	10 18	62	1000	1 38	1011	972	11 57	39
18	18·3	14 23	26·3	11·6	8 9	14·7	532	20 53	560	486	11 57	74	1003	17 50	1017	981	13 16	36
19	17·5	13 30	23·0	11·8	8 47	11·2	534	21 10	553	502	11 50	51	1002	6 36	1014	977	13 42	37
20	17·7	13 41	25·0	11·7	8 34	13·3	532	19 12	552	492	11 24	60	1003	19 13	1013	976	11 41	37
21	17·4	13 20	25·5	9·7	8 2	15·8	534	6 20	558	488	10 27	70	1002	22 27	1013	976	11 57	37
22	17·1	14 10	25·3	9·5	9 17	15·8	534	22 40	570	482	10 46	88	1003	7 7	1017	974	12 24	43
23**	18·1	13 38	29·2	10·4	8 21	18·8	525	4 0	569	474	11 42	95	1008	17 10	1023	989	11 57	34
24	17·5	13 18	26·0	9·8	9 12	16·2	520	22 24	546	478	11 51	68	1013	8 1	1025	993	11 56	32
25*	18·4	13 39	26·3	11·5	8 50	14·8	526	23 34	547	487	11 33	60	1013	7 40	1022	992	12 57	30
26**	18·8	14 5	33·6	8·1	22 38	25·5	509	0 37	574	462	14 20	112	1027	17 40	1068	1005	11 44	63
27**	18·5	13 48	26·9	11·3	8 32	15·6	518	20 2	544	471	11 40	73	1014	0 1	1030	994	12 18	36
28	18·2	12 57	27·1	11·0	8 30	16·1	521	23 52	557	477	12 15	80	1009	7 34	1022	989	12 14	33
29**	17·3	13 12	28·8	10·7	8 1	18·1	519	22 32	551	485	14 50	66	1012	15 30	1031	997	11 44	34
30	17·2	13 35	23·2	10·8	8 52	12·4	523	21 32	549	496	9 57	53	1007	7 23	1020	989	11 55	31
Mean	18·1	—	26·3	11·7	—	14·6	525	—	553	485	—	67·8	1008	—	1021	987	—	33·9
Mean*	18·6	—	25·9	12·5	—	13·4	526	—	544	490	—	53·8	1008	—	1017	987	—	30·8
Mean**	18·4	—	29·6	10·5	—	19·1	518	—	562	474	—	88·0	1015	—	1039	993	—	46·8
OCT.	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	16·9	14 27	23·9	11·1	3 48	12·8	521	22 13	561	473	11 15	88	1009	19 10	1019	999	11 0	20
2*	17·7	14 5	24·3	11·0	9 9	13·3	522	19 22	541	482	11 2	59	1011	7 35	1022	996	11 57	26
3*	19·0	13 28	28·8	12·8	8 47	16·0	524	4 47	543	479	11 37	64	1009	17 8	1021	987	11 57	34
4	18·5	13 57	25·4	11·6	9 30	13·8	530	21 40	557	494	11 51	63	1008	7 24	1019	990	12 55	29
5	17·7	12 36	26·7	10·1	21 43	16·6	525	18 2	531	488	13 1	43	1011	19 57	1038	986	10 57	52
6	17·7	14 20	24·9	10·8	23 11	14·1	518	22 20	592	470	11 30	122	1014	16 9	1032	1001	12 57	31
7	17·0	14 6	25·2	8·0	23 35	17·2	515	21 5	564	476	11 0	88	1016	20 57	1031	999	11 56	32
8	17·7	14 6	23·7	10·2	19 10	13·5	518	19 20	562	484	12 1	78	1013	16 11	1034	988	3 50	46
9	18·1	12 42	27·8	6·3	18 54	21·5	512	18 57	554	465	12 21	89	1016	16 0	1041	994	11 1	47
10**	18·5	13 31	29·3	6·6	2 54	22·7	505	5 6	568	437	9 11	131	1010	16 8	1042	974	5 32	68
11	17·5	13 37	24·1	10·2	8 54	13·9	515	22 40	538	477	11 10	61	1015	8 0	1028	1002	11 24	26
12	17·6	13 59	22·4	11·6	8 22	10·8	520	22 40	539	491	11 2	48	1012	7 22	1020	999	11 0	21
13	18·1	13 35	24·0	11·8	8 35	12·2	527	6 6	542	498	11 21	44	1009	16 50	1015	995	11 20	20
14	18·8	12 48	26·6	12·5	8 50	14·1	521	23 45	544	488	17 2	56	1015	16 36	1033	995	11 16	38
15	16·5	13 43	23·9	9·1	22 50	14·8	522	2 30	557	493	10 0	64	1011	22 9	1026	994	11 25	32
16**	16·9	15 7	25·7	−2·4	23 1	28·1	508	15 7	540	427	19 42	113	1025	19 22	1084	994	23 16	90
17**	17·8	4 59	30·4	2·8	1 49	27·6	498	3 51	559	453	11 13	106	1013	15 39	1040	965	2 43	75
18	17·8	12 57	25·0	10·4	8 3	14·6	512	6 18	536	473	11 10	63	1020	15 40	1029	1008	11 54	21
19	17·8	13 44	24·9	12·4	8 30	12·5	516	19 39	539	474	11 54	65	1021	16 40	1027	1010	11 9	17
20	17·3	13 24	25·5	8·2	2 0	17·3	511	1 44	557	481	11 28	76	1022	19 30	1039	1001	1 55	38
21	17·9	14 1	23·0	13·8	0 59	9·2	517	19 47	531	490	10 34	41	1020	15 30	1026	1011	10 50	15
22*	17·6	13 29	22·0	13·0	9 10	9·0	525	21 19	539	506	9 46	33	1015	8 15	1023	1003	10 52	20
23	16·9	12 20	23·3	5·2	22 17	18·1	526	18 0	544	497	19 14	47	1014	20 2	1033	998	11 36	35
24**	17·4	12 57	27·4	10·2	22 50	17·2	512	23 4	552	432	18 1	120	1026	17 56	1080	1001	11 48	79
25	16·8	13 39	21·2	12·2	8 34	9·0	516	5 51	532	489	11 52	43	1020	17 20	1025	1012	11 29	13
26	17·5	11 18	23·7	13·6	8 10	10·1	519	20 21	535	487	12 42	48	1021	7 7	1026	1012	10 27	14
27*	16·8	13 19	20·7	12·8	8 41	7·9	526	22 55	539	508	12 1	31	1018	14 58	1022	1010	11 53	12
28*	17·0	13 11	22·2	12·4	8 55	9·8	526	21 27	541	499	12 0	42	1017	23 20	1019	1012	11 26	7
29	16·9	12 2	22·8	12·0	8 22	10·8	529	19 40	545	509	9 20	36	1012	15 36	1021	996	11 24	25
30	16·8	12 57	21·7	11·9	9 1	9·8	530	4 47	540	516	8 20	24	1013	17 4	1019	999	10 38	20
31**	17·8	12 58	29·4	12·7	8 12	16·7	506	2 20	568	436	15 13	132	1024	15 45	1060	999	9 30	61
Mean	17·6	—	24·8	10·2	—	14·7	519	—	548	480	—	68·3	1015	—	1032	998	—	34·3
Mean*	17·6	—	23·6	12·4	—	11·2	525	—	541	495	—	45·8	1014	—	1021	1002	—	19·8
Mean**	17·7	—	28·4	6·0	—	22·5	506	—	557	437	—	120·4	1020	—	1061	987	—	74·6

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE IV.—DAILY MEAN AND EXTREME VALUES OF MAGNETIC ELEMENTS—*continued.*

Date.	DECLINATION WEST.						HORIZONTAL INTENSITY.						VERTICAL INTENSITY.					
	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.	Mean Value for the Day.	Maximum.		Minimum.		Range.
		U.T.			U.T.			U.T.			U.T.			U.T.			U.T.	
NOV.	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	16·3	13 20	20·4	12·3	8 48	8·1	505	21 43	523	481	12 21	42	1028	15 53	1032	1021	10 33	11
2	16·4	14 25	23·8	10·6	22 16	13·2	520	14 26	549	491	12 2	58	1022	14 24	1031	1014	11 22	17
3**	17·3	15 1	28·4	2·1	20 7	26·3	504	20 13	574	447	20 46	127	1028	20 2	1069	1007	5 22	62
4	15·0	14 30	22·0	5·0	3 20	17·0	503	6 0	534	461	12 8	73	1024	0 1	1039	1005	3 9	34
5	15·9	12 3	21·8	8·1	1 30	13·7	513	2 42	535	479	12 24	56	1023	16 34	1032	1006	2 51	26
6	16·0	13 58	21·9	7·3	22 41	14·6	518	22 20	543	487	12 30	56	1024	18 40	1032	1017	23 50	15
7	16·5	14 32	24·8	6·1	21 52	18·7	512	7 27	538	483	12 10	55	1023	19 41	1041	1005	12 9	36
8	16·1	13 2	20·9	6·2	22 30	14·7	515	22 20	549	481	16 10	68	1023	16 29	1038	1012	10 53	26
9	16·2	2 37	21·6	9·6	0 47	12·0	512	0 53	539	487	11 54	52	1020	8 51	1035	987	2 48	48
10	17·0	19 22	22·3	12·3	21 59	10·0	524	17 2	561	502	11 30	59	1024	20 19	1038	1015	12 34	23
11**	15·8	16 33	25·0	2·5	21 42	22·5	507	21 24	557	445	17 14	112	1029	17 30	1069	1012	11 29	57
12	16·3	13 40	22·1	10·2	0 4	11·9	507	3 59	539	486	10 42	53	1026	13 59	1033	1009	4 28	24
13*	16·5	12 58	19·9	12·8	8 42	7·1	520	22 20	534	500	11 23	34	1025	8 20	1032	1018	11 24	14
14	16·2	13 39	20·8	12·8	9 15	8·0	521	0 15	547	497	12 19	50	1023	17 30	1031	1016	11 27	15
15**	16·3	15 50	26·4	3·8	21 26	22·6	519	5 41	548	476	14 38	72	1023	15 40	1039	1011	11 22	28
16**	16·3	13 30	24·6	10·1	19 32	14·5	517	19 38	542	476	13 44	66	1021	17 2	1038	1001	11 59	37
17	15·3	13 30	20·6	7·9	21 37	12·7	524	21 51	567	507	13 59	60	1023	17 35	1033	1015	22 56	18
18	15·6	12 43	21·7	9·1	21 36	12·6	519	20 59	567	488	14 25	79	1026	15 10	1047	1016	10 27	31
19	15·5	13 41	22·1	7·5	20 39	14·6	520	20 50	557	475	12 24	82	1023	17 57	1035	1013	12 0	22
20	16·6	13 30	23·0	12·7	22 32	10·3	514	6 20	544	475	12 53	69	1024	17 24	1039	1013	10 32	26
21	16·4	12 30	21·0	14·3	23 59	6·7	523	23 45	551	493	13 6	58	1022	16 40	1029	1016	12 10	13
22*	16·1	14 20	19·2	14·0	0 4	5·2	525	0 1	543	509	10 59	34	1019	16 57	1025	1014	11 50	11
23*	15·9	13 37	18·4	13·3	8 54	5·1	529	6 34	538	513	10 55	25	1018	17 7	1024	1012	11 24	12
24*	16·7	13 6	20·6	14·0	9 4	6·6	532	19 42	543	515	11 46	28	1016	16 15	1022	1006	10 50	16
25*	16·3	12 56	20·2	13·4	8 49	6·8	531	21 46	542	516	11 14	26	1015	16 40	1020	1005	11 19	15
26	16·8	12 58	21·5	12·0	9 3	9·5	530	15 57	549	513	19 30	36	1018	20 10	1034	1009	10 2	25
27	16·0	13 30	19·8	13·0	2 22	6·8	529	21 37	541	508	10 23	33	1017	0 6	1023	1011	10 40	12
28	16·6	13 21	20·8	10·8	24 0	10·0	536	23 40	620	518	10 59	102	1014	23 40	1037	1004	23 58	33
29**	16·6	4 23	44·7	4·2	0 16	40·5	495	0 2	600	444	8 32	156	1012	11 50	1057	950	5 57	107
30	(14·9)	—	—	—	—	—	501	—	—	—	—	—	1029	—	—	—	—	—
Mean	16·2	—	22·8	9·6	—	13·2	517	—	551	488	—	62·8	1022	—	1036	1008	—	28·1
Mean*	16·3	—	19·7	13·5	—	6·2	527	—	540	511	—	29·4	1019	—	1025	1011	—	13·6
Mean**	16·5	—	29·8	4·5	—	25·3	508	—	564	458	—	106·6	1023	—	1054	996	—	58·2
DEC.	11°+ ′	h m	11°+ ′	11°+ ′	h m	′	18000γ+	h m	18000γ+	18000γ+	h m	γ	42000γ+	h m	42000γ+	42000γ+	h m	γ
1	15·3	15 3	20·2	10·6	19 56	9·6	507	20 11	538	479	11 36	59	1030	16 8	1042	1021	11 58	21
2	15·7	13 49	19·4	9·7	23 19	9·7	519	5 44	534	501	22 2	33	1030	22 20	1043	1013	11 30	30
3	15·5	15 20	20·7	10·9	24 0	9·8	515	24 0	538	(500)	12 0	38	1033	21 10	1040	1027	23 57	13
4**	16·1	13 0	22·9	10·8	0 1	12·1	526	4 47	563	501	13 35	62	1024	18 26	1035	1012	11 0	23
5	15·8	13 44	20·0	11·1	22 48	8·9	521	19 59	549	500	11 59	49	1026	22 14	1034	1018	2 4	16
6	15·8	14 15	20·2	11·0	23 42	9·2	519	23 12	540	500	12 39	40	1025	19 40	1036	1018	11 50	18
7	16·0	20 0	20·5	11·4	20 32	9·1	519	19 58	539	495	20 6	44	1022	19 57	1038	1010	12 43	28
8	15·9	13 27	19·4	11·3	20 20	8·1	522	20 30	542	509	11 34	33	1020	20 29	1026	1014	11 58	12
9*	15·7	13 56	20·0	12·9	9 30	7·1	525	22 50	539	507	11 17	32	1018	16 15	1023	1011	12 0	12
10*	15·6	13 28	19·8	12·7	8 49	7·1	530	18 17	534	521	15 24	13	1015	0 5	1019	1007	11 30	12
11	15·3	12 30	19·2	12·3	8 50	6·9	528	5 11	539	503	10 40	36	1016	16 34	1023	1012	11 20	11
12**	16·6	13 44	21·3	12·9	22 50	8·4	534	14 0	556	517	22 26	39	1016	22 20	1029	1009	10 58	20
13**	15·6	19 23	18·5	8·4	22 17	10·1	536	22 43	559	515	19 40	44	1017	22 40	1030	1008	10 5	22
14	15·2	13 46	20·0	12·1	5 30	7·9	532	5 23	553	507	14 30	46	1020	15 40	1031	1011	11 28	20
15	15·1	13 31	18·6	12·7	9 22	5·9	532	22 19	540	512	12 44	28	1021	15 40	1027	1017	23 58	10
16	15·3	13 25	18·8	10·4	21 10	8·4	536	17 59	544	526	11 18	18	1018	17 1	1027	1012	12 24	15
17	15·4	12 58	19·3	12·9	23 59	6·4	535	15 47	546	522	10 58	24	1019	18 50	1025	1010	10 31	15
18	15·1	13 3	19·1	11·0	0 30	8·1	532	0 10	554	509	13 25	45	1021	17 10	1031	1011	11 34	20
19*	15·4	12 30	18·9	12·8	9 2	6·1	534	22 21	542	515	10 30	27	1019	19 18	1025	1014	11 33	11
20	15·5	14 1	21·0	9·7	23 19	11·3	529	7 6	551	505	12 8	46	1020	21 0	1028	1014	10 27	14
21	15·6	13 11	20·4	8·1	22 40	12·3	529	22 58	548	508	12 53	40	1021	15 24	1032	1013	12 50	19
22*	15·1	14 24	17·9	12·3	23 56	5·6	533	17 32	548	514	13 0	34	1022	15 51	1026	1017	9 55	9
23	15·2	14 58	18·9	12·2	23 40	6·7	527	5 46	546	(509)	11 50	37	1023	15 54	1030	1018	10 8	12
24*	15·0	13 54	18·1	12·5	1 30	5·6	528	23 15	541	516	13 59	25	1022	0 13	1029	1012	10 26	17
25	15·3	15 17	18·5	11·2	8·59	7·3	533	18 26	544	520	9 59	24	1020	0 10	1022	1014	13 12	8
26	15·3	13 40	18·2	12·5	8 40	5·7	538	19 41	548	525	13 58	23	1017	16 22	1024	1009	9 59	15
27**	14·9	13 22	20·7	2·2	21 10	18·5	526	3 32	568	472	20 0	96	1022	20 41	1045	1005	9 28	40
28**	14·8	5 53	26·3	3·5	0 13	22·8	489	2 4	538	438	16 0	100	1034	15 3	1086	983	5 37	103
29	14·4	12 58	19·0	10·7	20 53	8·3	500	23 9	516	479	16 11	37	1034	16 18	1048	1023	11 50	25
30	14·7	13 43	18·1	11·3	9 17	6·8	511	23 49	525	493	20 7	32	1032	14 6	1040	1024	11 34	16
31	14·8	15 3	17·8	11·3	8 45	6·5	522	20 21	537	505	12 19	32	1028	18 47	1035	1019	12 27	16
Mean	15·4	—	19·7	10·8	—	8·9	525	—	544	504	—	39·9	1023	—	1033	1013	—	20·1
Mean*	15·4	—	18·9	12·6	—	6·3	530	—	541	515	—	26·2	1019	—	1024	1012	—	12·2
Mean**	15·6	—	21·9	7·6	—	14·4	522	—	557	489	—	68·2	1023	—	1045	1003	—	41·6

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day.

TABLE V.—MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS—DECLINATION, INCLINATION AND HORIZONTAL INTENSITY.

"All" Days.

DECLINATION WEST.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	**−2·23**	−1·81	−1·45	−1·09	−0·99	−1·02	−0·64	−0·69	−0·53	+0·15	+1·13	+2·11	+2·73	**+3·32**	+2·84	+2·15	+1·76	+1·19	+0·16	−0·06	−1·40	−1·75	−1·90	−2·04
Feb.	−2·24	−1·73	−2·17	−2·04	−1·70	−1·32	−1·05	−0·78	−0·55	−0·15	+0·80	+2·38	+3·84	**+4·37**	+3·79	+3·00	+1·67	+1·30	+0·71	−0·07	−1·11	**−2·41**	−2·28	−2·37
Mar.	−2·10	−2·34	−1·91	−2·01	−1·96	−1·86	−1·67	−2·67	**−3·74**	−3·48	−1·09	+2·62	+5·43	**+6·64**	+6·31	+4·73	+2·64	+1·45	+0·49	−0·42	−0·58	−1·25	−1·69	−1·62
Apr.	−1·48	−2·03	−2·34	−2·19	−2·09	−2·20	−2·96	−4·64	**−4·91**	−3·33	−0·48	+3·32	+6·74	**+8·04**	+7·31	+5·43	+3·71	+1·25	+0·04	−0·85	−1·44	−2·07	−1·31	−1·43
May	−0·79	−1·19	−1·29	−1·89	−2·66	−3·75	−5·17	**−6·03**	−5·52	−3·11	+0·37	+4·07	+6·75	**+7·44**	+6·32	+4·55	+2·93	+1·39	+0·01	−0·57	−0·51	−0·22	−0·41	−0·69
June	−1·09	−1·41	−1·54	−1·83	−2·92	−4·03	−5·06	**−5·52**	−5·06	−3·35	−0·63	+2·46	+5·10	+6·46	**+6·51**	+5·15	**+3·75**	+2·25	+1·28	+0·40	−0·02	+0·17	−0·17	−0·93
July	−1·00	−1·11	−1·15	−1·78	−2·67	−3·91	−5·04	**−5·72**	−5·36	−3·60	−0·90	+2·28	+5·24	+6·43	**+6·63**	+5·28	**+3·60**	+2·34	+1·01	+0·32	+0·11	−0·13	−0·37	−0·47
Aug.	−0·96	−1·21	−1·54	−1·98	−2·65	−3·75	−4·60	**−4·89**	−4·35	−2·78	−0·10	+3·00	+5·64	**+6·45**	+5·77	+4·14	+2·59	+1·35	+0·63	+0·39	−0·19	−0·18	−0·33	−0·45
Sept.	−1·16	−1·46	−1·64	−1·91	−2·17	−2·40	−3·29	−4·45	**−4·98**	−3·40	−0·07	+3·70	+6·09	**+7·01**	+5·91	+3·71	+1·95	+0·78	+0·46	+0·03	−0·14	−0·36	−1·03	−1·09
Oct.	−1·64	−1·65	−1·49	−1·56	−0·94	−0·91	−1·44	−2·89	**−3·98**	−2·99	+0·19	+3·52	+5·09	**+5·61**	+4·86	+2·98	+1·92	+1·39	+0·74	−0·41	−0·92	−1·55	−1·90	−2·06
Nov.	−1·74	−1·72	−0·98	−0·84	−0·48	−0·69	−0·93	−1·47	−2·11	−1·96	−0·08	+2·13	+3·17	**+4·14**	+3·75	+3·31	+2·08	+1·08	+0·70	+0·06	−1·04	−2·26	**−2·36**	−2·13
Dec.	−1·33	−0·95	−0·74	−0·36	−0·15	−0·23	−0·60	−1·00	−1·63	**−1·76**	−0·60	+1·15	+2·47	**+3·07**	+2·72	+2·36	+1·42	+0·93	+0·62	+0·15	−0·88	−1·48	−1·65	−1·60
Year	−1·48	−1·55	−1·52	−1·62	−1·78	−2·17	−2·70	−3·40	**−3·56**	−2·48	−0·12	+2·73	+4·86	**+5·75**	+5·23	+3·90	+2·50	+1·39	+0·57	−0·09	−0·68	−1·12	−1·28	−1·41
Winter	−1·89	−1·55	−1·34	−1·08	−0·83	−0·82	−0·81	−0·99	−1·21	−0·93	+0·31	+1·94	+3·05	**+3·73**	+3·28	+2·71	+1·73	+1·13	+0·55	+0·02	−1·11	−1·98	**−2·05**	−2·04
Equinox	−1·60	−1·87	−1·85	−1·92	−1·79	−1·84	−2·34	−3·66	**−4·40**	−3·30	−0·36	+3·29	+5·84	**+6·83**	+6·10	+4·21	+2·56	+1·22	+0·43	−0·41	−0·77	−1·31	−1·48	−1·55
Summer	−0·96	−1·23	−1·38	−1·87	−2·73	−3·86	−4·97	**−5·54**	−5·07	−3·21	−0·32	+2·95	+5·68	**+6·70**	+6·31	+4·78	+3·22	+1·83	+0·73	+0·14	−0·15	−0·09	−0·32	−0·64

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·08	−0·15	−0·15	−0·14	−0·40	**−0·57**	−0·54	−0·41	−0·23	+0·01	+0·29	**+0·41**	+0·34	+0·19	+0·29	+0·32	+0·17	+0·15	+0·07	+0·09	+0·28	+0·07	0·00	−0·09
Feb.	−0·15	−0·42	−0·27	−0·32	−0·31	−0·33	−0·38	**−0·47**	−0·40	−0·33	−0·13	+0·09	+0·01	−0·02	+0·14	+0·46	**+0·84**	+0·61	+0·37	+0·31	+0·40	+0·11	+0·14	+0·02
Mar.	−0·41	−0·32	−0·39	**−0·43**	−0·36	−0·37	−0·40	−0·34	0·00	+0·36	+0·56	**+0·70**	+0·68	+0·54	+0·44	+0·47	+0·46	+0·23	−0·06	−0·21	−0·26	−0·31	−0·27	−0·37
Apr.	−0·81	−0·61	−0·52	−0·48	−0·45	−0·36	−0·30	+0·12	+0·57	+0·96	+1·21	**+1·29**	+1·12	+0·82	+0·53	+0·41	−0·09	−0·18	−0·30	−0·42	−0·52	−0·53	−0·63	**−0·82**
May	−0·69	−0·59	−0·54	−0·42	−0·26	−0·02	+0·36	+0·92	+1·35	**+1·36**	+1·23	+0·92	+0·77	+0·78	+0·50	+0·19	−0·25	−0·75	**−1·04**	−1·03	−0·80	−0·72	−0·67	−0·65
June	−0·64	−0·68	−0·66	−0·55	−0·40	−0·23	+0·25	+0·87	+1·29	+1·73	**+1·78**	+1·51	+1·25	+1·10	+0·64	+0·13	−0·46	−0·98	−1·27	**−1·27**	−1·13	−0·89	−0·78	−0·72
July	−0·68	−0·54	−0·74	−0·62	−0·48	−0·29	+0·13	+0·73	+1·33	**+1·79**	+1·78	+1·34	+0·97	+0·67	+0·32	−0·06	−0·31	−0·68	−0·85	**−0·95**	−0·74	−0·77	−0·61	−0·68
Aug.	−0·51	−0·44	−0·37	−0·31	−0·33	−0·18	+0·23	+0·68	+1·08	+1·24	**+1·28**	+1·02	+0·66	+0·46	+0·19	+0·17	−0·19	−0·63	−0·81	**−0·85**	−0·70	−0·67	−0·51	−0·50
Sept.	−0·77	−0·74	−0·75	−0·70	−0·69	−0·61	−0·27	+0·24	+0·90	+1·48	**+1·66**	+1·44	+1·03	+0·55	+0·48	+0·36	+0·19	−0·07	−0·35	−0·58	−0·65	−0·74	**−0·81**	−0·77
Oct.	−0·63	−0·76	−0·89	**−0·99**	−0·97	−0·96	−0·82	−0·31	+0·44	+1·06	+1·30	**+1·45**	+1·28	+0·89	+0·69	+0·61	+0·36	+0·13	0·00	−0·11	−0·27	−0·39	−0·55	−0·51
Nov.	−0·51	−0·34	−0·35	−0·49	−0·60	**−0·82**	−0·77	−0·51	−0·04	+0·50	+0·80	+1·05	**+1·09**	+0·97	+0·79	+0·55	+0·37	+0·01	−0·16	−0·09	−0·29	−0·46	−0·49	−0·35
Dec.	−0·22	−0·24	−0·23	−0·36	−0·49	**−0·59**	**−0·59**	−0·46	−0·24	+0·12	+0·47	**+0·64**	+0·60	+0·53	+0·45	+0·31	+0·36	+0·08	−0·08	+0·02	+0·03	+0·03	−0·07	−0·21
Year	**−0·51**	−0·49	−0·49	−0·48	−0·48	−0·44	−0·26	+0·09	+0·50	+0·86	**+1·02**	+0·99	+0·82	+0·62	+0·46	+0·33	+0·12	−0·17	−0·37	−0·42	−0·39	−0·44	−0·44	−0·47
Winter	−0·24	−0·29	−0·25	−0·33	−0·45	**−0·58**	−0·57	−0·46	−0·23	+0·08	+0·36	**+0·55**	+0·51	+0·42	+0·42	+0·41	+0·44	+0·21	+0·05	+0·08	+0·11	−0·06	−0·11	−0·16
Equinox	**−0·66**	−0·61	−0·64	−0·65	−0·62	−0·58	−0·45	−0·07	+0·48	+0·97	+1·18	**+1·22**	+1·03	+0·70	+0·54	+0·46	+0·23	+0·03	−0·18	−0·33	−0·43	−0·49	−0·57	−0·62
Summer	−0·63	−0·56	−0·58	−0·48	−0·37	−0·18	+0·24	+0·80	+1·26	**+1·53**	+1·52	+1·20	+0·91	+0·75	+0·41	+0·11	−0·30	−0·76	−0·99	**−1·03**	−0·84	−0·76	−0·64	−0·64

HORIZONTAL INTENSITY.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 1·2	+ 1·7	+ 1·3	+ 1·0	+ 4·6	**+ 7·4**	+ 6·5	+ 4·6	+ 1·8	− 2·1	− 5·9	**− 7·9**	− 6·9	− 3·6	− 3·5	− 3·7	− 0·9	− 0·5	+ 1·4	+ 1·0	− 1·7	+1·2	+ 1·4	+ 1·9
Feb.	+ 2·8	+ 5·7	+ 3·0	+ 3·8	+ 3·5	+ 4·1	+ 4·5	**+ 5·3**	+ 4·1	+ 2·2	− 2·1	− 6·0	− 4·3	− 2·3	− 2·5	− 5·1	**− 9·2**	− 5·1	− 1·3	− 1·2	− 2·4	+ 1·0	− 0·1	+ 0·9
Mar.	+ 6·4	+ 4·6	+ 5·2	+ 5·6	+ 4·9	+ 5·5	+ 5·8	+ 5·6	+ 0·3	− 7·2	−13·2	**−17·5**	−16·8	−12·0	− 7·8	− 5·5	− 3·1	+ 0·9	+ 5·3	+ 7·1	**+ 7·1**	+ 7·1	+ 6·0	+ 7·0
Apr.	+10·3	+ 7·4	+ 6·8	+ 6·4	+ 6·1	+ 5·3	+ 5·2	− 0·7	− 9·1	−17·9	−24·9	**−28·4**	−25·2	−17·4	− 8·7	− 4·0	+ 6·5	+10·6	+12·6	**+13·0**	+12·8	+10·8	+10·9	+11·8
May	+10·7	+ 8·3	+ 7·7	+ 6·1	+ 5·0	+ 2·0	− 4·0	−13·1	−21·9	−25·2	**−26·7**	−23·6	−20·5	−16·6	− 8·3	− 0·3	+ 8·4	+17·6	**+22·3**	+21·2	+16·1	+13·4	+11·5	+10·7
June	+ 9·6	+ 9·9	+ 9·3	+ 7·5	+ 5·6	+ 3·6	− 3·5	−13·0	−21·1	−30·3	**−33·3**	−30·8	−26·0	−20·6	−10·4	0·0	+11·2	+20·3	**+25·0**	+24·7	+21·5	+16·4	+13·7	+11·6
July	+ 9·8	+ 6·4	+ 9·3	+ 7·9	+ 7·2	+ 4·6	− 1·4	−10·9	−20·7	−29·8	**−32·5**	−27·2	−21·0	−14·2	− 5·0	+ 4·3	+ 9·9	+16·9	+19·4	**+19·5**	+14·2	+13·0	+ 9·7	+10·0
Aug.	+ 8·4	+ 7·1	+ 5·9	+ 5·4	+ 6·4	+ 4·3	− 1·5	− 8·7	−16·7	−21·9	**−25·1**	−23·1	−17·3	−11·8	− 4·4	− 1·4	+ 5·8	+13·2	+15·6	**+16·2**	+13·3	+12·2	+ 9·2	+ 8·8
Sept.	+12·5	+11·8	+11·7	+10·8	+11·0	+ 9·6	+ 5·5	− 1·7	−12·4	−23·8	**−29·7**	−28·2	−21·6	−12·8	− 8·9	− 4·3	− 0·4	+ 3·7	+ 7·7	+11·0	**+12·0**	+12·9	**+13·3**	+12·5
Oct.	+ 9·0	+10·4	+11·6	+12·8	+12·5	**+12·9**	+11·7	+ 5·3	− 6·5	−17·9	−23·6	**−26·2**	−22·4	−15·0	− 9·9	− 6·3	− 1·5	+ 1·8	+ 3·8	+ 5·1	+ 7·0	+ 7·8	+ 9·4	+ 7·8
Nov.	+ 6·8	+ 3·4	+ 3·2	+ 5·2	+ 7·0	**+10·6**	+ 9·9	+ 6·7	+ 0·1	− 8·9	−14·6	**−18·2**	−17·9	−14·4	−10·2	− 5·7	− 2·4	+ 3·3	+ 5·3	+ 4·2	+ 6·7	+ 8·5	+ 8·2	+ 6·7
Dec.	+ 2·9	+ 2·5	+ 2·1	+ 3·8	+ 5·8	+ 7·5	**+ 7·5**	+ 5·9	+ 2·8	− 3·4	− 9·2	**−11·7**	−10·7	− 7·8	− 5·6	− 2·8	− 2·9	+ 1·0	+ 3·2	+ 1·7	+ 1·5	+ 1·2	+ 2·3	+ 3·7
Year	+ 7·5	+ 6·6	+ 6·4	+ 6·4	+ 6·6	+ 6·5	+ 3·9	− 1·2	− 8·3	−15·5	−20·1	**−20·7**	−17·6	−12·4	− 7·1	− 2·9	+ 1·8	+ 7·0	+10·0	**+10·3**	+ 9·0	+ 8·8	+ 8·0	+ 7·8
Winter	+ 3·4	+ 3·3	+ 2·4	+ 3·5	+ 5·2	**+ 7·4**	+ 7·1	+ 5·6	+ 2·2	− 3·1	− 8·0	**−11·0**	−10·0	− 7·0	− 5·5	− 4·3	− 3·9	− 0·3	+ 2·2	+ 1·4	+ 1·0	+ 3·0	+ 3·0	+ 3·3
Equinox	+ 9·6	+ 8·6	+ 8·8	+ 8·9	+ 8·6	+ 8·3	+ 7·1	+ 2·1	− 6·9	−16·7	−22·9	**−25·1**	−21·5	−14·3	− 8·8	− 5·0	+ 0·4	+ 4·3	+ 7·4	+ 9·1	+ 9·7	+ 9·7	**+ 9·9**	+ 9·8
Summer	+ 9·6	+ 7·9	+ 8·1	+ 6·7	+ 6·1	+ 3·6	− 2·6	−11·4	−20·1	−26·8	**−29·4**	−26·2	−21·2	−15·8	− 7·0	+ 0·7	+ 8·8	+17·0	+20·6	**+20·4**	+16·3	+13·8	+11·0	+10·3

TABLE V.—*continued.*—MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY.

"All" Days.

NORTH COMPONENT.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 3·6	+ 3·6	+ 2·8	+ 2·2	+ 5·6	+ **8·4**	+ 7·1	+ 5·3	+ 2·3	− 2·2	− 7·0	**−10·0**	− 9·7	− 7·1	− 6·5	− 5·9	− 2·8	− 1·8	+ 1·2	+ 1·0	− 0·2	+ 3·1	+ **3·4**	+ 4·1
Feb.	+ 5·2	+ **7·5**	+ 5·3	+ 5·9	+ 5·3	+ 5·4	+ 5·5	+ 6·0	+ 4·6	+ 2·3	− 2·9	− 8·4	− 8·3	− 7·0	− 6·5	− 8·2	**−10·8**	− 6·4	− 2·0	− 1·1	− 1·2	+ 3·6	+ 2·5	+ **3·4**
Mar.	+ 8·5	+ 7·0	+ 7·2	+ 7·7	+ 6·9	+ 7·4	+ 7·5	+ 8·4	+ 4·3	− 3·3	−11·8	−20·0	**−22·3**	−18·9	−14·4	−10·5	− 5·9	− 0·7	+ 4·7	+ 7·4	+ 7·6	+ 8·3	+ 7·7	+ **8·6**
Apr.	+11·7	+ 9·4	+ 9·2	+ 8·6	+ 8·2	+ 7·6	+ 8·3	+ 4·3	− 3·6	−14·0	−23·9	−31·4	**−32·0**	−25·7	−16·4	− 9·8	+ 2·4	+ 9·0	+12·3	+13·7	+**14·1**	+12·8	+12·1	+13·1
May	+11·3	+ 9·4	+ 8·9	+ 8·0	+ 7·8	+ 6·0	+ 1·7	− 6·4	−15·5	−21·4	−26·6	**−27·5**	−27·4	−24·3	−14·9	− 4·6	+ 5·1	+15·8	+**21·8**	+21·4	+16·3	+13·4	+11·7	+11·2
June	+10·6	+11·2	+10·8	+ 9·3	+ 8·6	+ 7·9	+ 2·0	− 6·8	−15·3	−26·1	−32·0	**−32·8**	−30·9	−27·2	−17·2	− 5·5	+ 7·0	+17·5	+23·1	+**23·8**	+21·1	+15·9	+13·6	+12·4
July	+10·7	+ 7·5	+10·3	+ 9·6	+ 9·9	+ 8·7	+ 4·1	− 4·5	−14·5	−25·3	**−30·9**	−29·1	−26·2	−20·9	−12·0	− 1·5	+ 5·8	+**14·1**	+17·9	+**18·8**	+13·8	+12·9	+ 9·9	+10·3
Aug.	+ 9·3	+ 8·3	+ 7·4	+ 7·4	+ 9·1	+ 8·3	+ 3·5	− 3·3	−11·7	−18·5	−24·5	**−25·9**	−23·0	−18·5	−10·5	− 5·8	+ 2·9	+11·5	+14·6	+**15·5**	+13·2	+12·1	+ 9·4	+ 9·1
Sept.	+13·5	+13·1	+13·2	+12·6	+13·1	+12·0	+ 8·9	+ 3·1	− 6·8	−19·7	−29·0	**−31·6**	−27·7	−20·1	−15·1	− 8·2	− 2·5	+ 2·8	+ 7·1	+10·8	+11·9	+13·0	+**14·1**	+13·4
Oct.	+10·6	+12·0	+13·0	+**14·2**	+13·3	+13·6	+13·0	+ 8·3	− 2·1	−14·3	−23·3	**−29·5**	−27·4	−20·8	−14·9	− 9·4	− 3·5	+ 0·3	+ 2·9	+ 5·4	+ 7·8	+ 9·3	+11·3	+ 9·9
Nov.	+ 8·5	+ 5·2	+ 4·2	+ 6·0	+ 7·4	+**11·1**	+10·7	+ 8·2	+ 2·3	− 6·6	−14·2	−20·1	**−21·0**	−18·6	−14·1	− 9·2	− 4·6	+ 2·1	+ 4·4	+ 4·1	+ 7·7	+10·8	+10·6	+ 8·9
Dec.	+ 4·3	+ 3·5	+ 2·9	+ 4·1	+ 5·8	+ 7·6	+ **8·0**	+ 6·9	+ 4·5	− 1·4	− 8·4	−12·7	**−13·2**	−11·0	− 8·4	− 5·3	− 4·4	− 0·0	+ 2·5	+ 1·5	+ 2·4	+ 2·8	+ 4·0	+ 5·4
Year	+ 9·0	+ 8·1	+ 7·9	+ 8·0	+ 8·4	+ 8·7	+ 6·7	+ 2·5	− 4·3	−12·5	−19·5	**−23·3**	−22·4	−18·3	−12·6	− 7·0	− 0·9	+ 5·4	+ 9·2	+**10·2**	+ 9·5	+ 9·8	+ 9·2	+ 9·2
Winter	+ 5·4	+ 5·0	+ 3·8	+ 4·6	+ 6·0	+ **8·1**	+ 7·8	+ 6·6	+ 3·4	− 2·0	− 8·1	−12·8	**−13·1**	−10·9	− 8·9	− 7·2	− 5·7	− 1·5	+ 1·5	+ 1·4	+ 2·2	+ 5·1	+ 5·1	+ 5·5
Equinox	+11·1	+10·4	+10·7	+10·8	+10·4	+10·2	+ 9·4	+ 6·0	− 2·1	−12·8	−22·0	**−28·1**	−27·4	−21·4	−15·2	− 9·5	− 2·4	+ 2·9	+ 6·8	+ 9·3	+10·4	+10·9	+**11·3**	+11·3
Summer	+10·5	+ 9·1	+ 9·4	+ 8·6	+ 8·9	+ 7·7	+ 2·8	− 5·3	−14·3	−22·8	−28·5	**−28·8**	−26·9	−22·7	−13·7	− 4·4	+ 5·2	+14·7	+19·4	+**19·9**	+16·1	+13·6	+11·2	+10·8

WEST COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	**−11·5**	− 9·2	− 7·4	− 5·6	− 4·3	− 3·9	− 2·1	− 2·7	− 2·4	+ 0·4	+ 4·8	+ 9·6	+13·1	+**16·8**	+14·3	+10·6	+ 9·1	+ 6·2	+ 1·1	− 0·1	− 7·7	− 9·0	− 9·8	−10·4
Feb.	−11·3	− 8·0	−10·9	−10·0	− 8·3	− 6·2	− 4·7	− 3·1	− 2·1	− 0·4	+ 3·8	+11·4	+19·4	+**22·7**	+19·5	+14·9	+ 7·0	+ 5·9	+ 3·5	− 0·6	− 6·4	**−12·5**	−12·1	−12·4
Mar.	− 9·8	−11·5	− 9·1	− 9·5	− 9·4	− 8·7	− 7·7	−13·0	−19·7	**−19·8**	− 8·4	+10·4	+25·4	+**32·7**	+31·8	+23·9	+13·3	+ 7·8	+ 3·6	− 0·8	− 1·7	− 5·2	− 7·7	− 7·2
Apr.	− 5·8	− 9·3	−11·0	−10·3	− 9·8	−10·6	−14·6	−24·7	**−27·8**	−21·2	− 7·5	+11·9	+30·6	+**39·1**	+36·9	+27·9	+20·9	+ 8·7	+ 2·7	− 1·9	− 5·1	− 8·8	− 4·8	− 5·2
May	− 2·0	− 4·6	− 5·3	− 8·8	−13·0	−19·4	−28·1	**−34·5**	−33·5	−21·4	− 3·4	+16·8	+31·6	+**36·1**	+31·8	+24·0	+17·2	+10·8	+ 4·5	+ 1·2	+ 0·5	+ 1·5	+ 0·1	− 1·5
June	− 3·9	− 5·5	− 6·3	− 8·2	−14·3	−20·6	−27·4	**−31·7**	−30·9	−23·7	−10·0	+ 6·9	+21·8	+30·1	+**32·4**	+27·2	+22·1	+15·9	+11·7	+ 7·0	+ 4·2	+ 4·2	+ 1·8	− 2·6
July	− 3·3	− 4·6	− 4·2	− 7·8	−12·7	−19·8	−26·9	−32·4	**−32·5**	−25·0	−11·2	+ 6·6	+23·5	+31·2	+**34·1**	+28·8	+21·0	+15·7	+ 9·2	+ 5·6	+ 3·4	+ 1·9	− 0·0	− 0·5
Aug.	− 3·4	− 5·0	− 7·0	− 9·4	−12·8	−19·0	−24·6	**−27·6**	−26·3	−19·1	− 5·5	+11·3	+26·4	+**31·8**	+29·6	+21·6	+14·8	+ 9·8	+ 6·4	+ 5·3	+ 1·7	+ 1·5	+ 0·1	− 0·6
Sept.	− 3·6	− 5·4	− 6·3	− 8·0	− 9·3	−10·8	−16·3	−23·9	**−28·8**	−22·7	− 6·3	+14·0	+27·9	+**34·5**	+29·5	+18·8	+10·2	+ 4·9	+ 4·0	+ 2·4	+ 1·7	+ 0·7	− 2·8	− 3·3
Oct.	− 6·9	− 6·7	− 5·6	− 5·7	− 2·5	− 2·2	− 5·3	−14·2	**−22·3**	−19·4	− 3·7	+13·4	+22·5	+**26·7**	+23·7	+14·5	+ 9·9	+ 7·7	+ 4·7	− 1·2	− 3·5	− 6·6	− 8·2	− 9·3
Nov.	− 7·9	− 8·4	− 4·5	− 3·4	− 1·2	− 1·5	− 2·9	− 6·4	−11·1	**−12·1**	− 3·3	+ 8·6	+13·2	+**19·0**	+17·8	+16·4	+10·5	+ 6·4	+ 4·8	+ 1·2	− 4·2	−10·3	−10·9	− 9·9
Dec.	− 6·5	− 4·5	− 3·5	− 1·1	+ 0·4	+ 0·3	− 1·7	− 4·1	− 8·1	**−10·0**	− 5·0	+ 3·8	+10·9	+**14·7**	+13·3	+11·9	+ 6·9	+ 5·1	+ 3·9	+ 1·1	− 4·4	− 7·6	− 8·3	− 7·7
Year	− 6·3	− 6·9	− 6·8	− 7·3	− 8·1	−10·2	−13·5	−18·2	**−20·5**	−16·2	− 4·6	+10·4	+22·2	+**28·0**	+26·2	+20·0	+13·6	+ 8·7	+ 5·0	+ 1·6	− 1·8	− 4·2	− 5·2	− 5·9
Winter	− 9·3	− 7·5	− 6·6	− 5·0	− 3·4	− 2·8	− 2·9	− 4·1	− 5·9	− 5·5	+ 0·1	+ 8·4	+14·2	+**18·3**	+16·2	+13·5	+ 8·4	+ 5·9	+ 3·3	+ 0·4	− 5·7	− 9·9	**−10·3**	−10·1
Equinox	− 6·5	− 8·2	− 8·0	− 8·4	− 7·8	− 8·1	−11·0	−19·0	**−24·7**	−20·8	− 6·5	+12·4	+26·6	+**33·3**	+30·5	+21·3	+13·6	+ 7·3	+ 3·8	− 0·4	− 2·2	− 5·0	− 5·9	− 6·3
Summer	− 3·2	− 4·9	− 5·7	− 8·6	−13·2	−19·7	−26·8	**−31·6**	−30·8	−22·3	− 7·5	+10·4	+25·8	+**32·3**	+32·0	+25·4	+18·8	+13·1	+ 8·0	+ 4·8	+ 2·5	+ 2·3	+ 0·5	− 1·3

VERTICAL COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	0·0	− 1·2	− 2·0	− 2·3	− 3·0	− 2·5	− 3·4	− 3·3	− 3·6	**− 4·6**	− 3·8	− 4·2	− 4·3	− 1·7	+ 1·7	+ 2·3	+ 3·7	+ 4·0	+ 5·4	+ 5·4	+ **5·7**	+ 5·0	+ 3·2	+ 1·3
Feb.	+ 1·5	− 1·4	− 2·3	− 2·1	− 2·3	− 1·6	− 2·9	− 3·6	− 4·0	− 6·1	− 9·2	**−10·7**	− 9·7	− 6·0	− 1·0	+ 4·1	+ 7·7	+ 9·4	+ **9·5**	+ 7·8	+ 8·3	+ 6·1	+ 4·5	+ 2·8
Mar.	+ 0·7	− 0·3	− 1·4	− 1·6	− 1·1	− 0·1	− 0·3	+ 1·2	+ 0·8	− 4·3	−11·4	**−16·6**	−15·3	− 9·4	− 3·0	+ 3·5	+ 8·6	+ 9·8	+**10·3**	+ 9·4	+ 7·7	+ 5·9	+ 4·6	+ 3·3
Apr.	− 4·1	− 3·7	− 2·2	− 1·8	− 1·4	− 0·1	+ 1·7	+ 2·5	− 1·2	− 8·4	−16·1	**−21·1**	−19·7	−12·1	− 1·9	+ 4·7	+12·1	+18·3	+**18·9**	+15·8	+11·6	+ 6·8	+ 3·5	− 0·8
May	+ 1·0	− 0·9	− 0·8	− 0·2	+ 2·6	+ 3·6	+ 3·2	+ 1·3	− 4·3	−11·7	−19·4	**−23·1**	−20·8	−11·7	− 2·0	+ 5·7	+11·0	+15·0	+**15·8**	+13·6	+ 9·9	+ 6·1	+ **3·9**	+ 2·3
June	+ 0·5	− 0·3	− 1·0	− 1·5	− 0·6	+ 0·4	+ **0·4**	− 0·4	− 4·6	−10·5	−15·7	**−19·5**	−17·0	− 9·8	− 2·0	+ 4·5	+10·1	+13·3	+**14·3**	+13·4	+11·1	+ **7·4**	+ **4·8**	+ 2·0
July	− 1·8	− 3·6	− 3·6	− 3·2	+ 0·3	+ 0·6	+ 1·3	+ 0·1	− 2·5	− 7·5	−14·0	**−16·9**	−15·4	− 9·9	− 0·7	+ 8·0	+12·3	+**15·8**	+15·7	+12·3	+ **7·6**	+ **3·8**	+ 1·3	− 0·3
Aug.	+ 2·2	+ 1·3	+ 0·9	+ 1·6	+ 3·5	+ 3·9	+ 4·4	+ 3·0	− 1·6	− 8·1	−14·2	**−18·6**	−17·4	−11·5	− 3·6	+ 2·8	+ 6·7	+ **9·0**	+ 8·3	+ 8·1	+ **6·7**	+ **5·0**	+ **3·9**	+ 3·0
Sept.	+ 2·5	+ 1·9	+ 1·3	+ 1·1	+ 1·7	+ 1·5	+ 3·4	+ 4·5	+ 1·9	− 4·2	−11·8	**−15·6**	−14·7	−10·5	− 4·1	+ 2·5	+ 5·5	+ **6·3**	+ 5·7	+ 5·6	+ 5·4	+ 4·3	+ **3·0**	+ 2·4
Oct.	− 0·6	− 2·1	− 3·9	− 4·4	− 4·5	− 3·2	− 1·1	+ 1·6	+ 0·0	− 5·0	− 9·9	**−10·9**	− 7·8	− 4·2	+ 0·8	+ 6·6	+ **9·0**	+ 8·6	+ 8·9	+ 8·0	+ 6·7	+ 4·9	+ 2·7	+ 0·7
Nov.	− 1·7	− 3·7	− 4·4	− 4·9	− 4·5	− 3·6	− 3·5	− 1·9	− 1·0	− 3·4	− 6·0	**− 6·1**	− 4·0	0·0	+ 3·5	+ 5·9	+ 7·2	+ **7·8**	+ 7·0	+ 6·6	+ 5·6	+ 3·8	+ 2·0	+ 0·4
Dec.	− 0·7	− 2·4	− 3·1	− 3·3	− 3·5	− 2·8	− 2·8	− 2·0	− 1·8	− 3·7	− **5·3**	− 5·2	− 4·2	+ 0·1	+ **2·3**	+ 4·2	+ **5·6**	+ 5·1	+ 4·9	+ 4·5	+ 4·6	+ 3·9	+ 3·1	+ 1·3
Year	− 0·0	− 1·4	− 1·9	− 1·9	− 1·1	− 0·3	+ 0·0	+ 0·3	− 1·8	− 6·5	−11·4	**−14·0**	−12·5	− 7·2	− 0·8	+ 4·6	+ 8·3	+10·2	+**10·4**	+ 9·2	+ **7·6**	+ **5·3**	+ **3·4**	+ 1·5
Winter	− 0·2	− 2·2	− 3·0	− 3·2	− 3·3	− 2·6	− 3·2	− 2·7	− 2·6	− 4·5	− 6·1	**− 6·6**	− 5·6	− 1·9	+ 1·6	+ 4·1	+ 6·1	+ 6·6	+ **6·7**	+ 6·1	+ 6·1	+ 4·7	+ **3·2**	+ 1·5
Equinox	− 0·4	− 1·1	− 1·6	− 1·7	− 1·3	− 0·5	+ 0·9	+ 2·5	+ 0·4	− 5·5	−12·3	**−16·1**	−14·4	− 9·1	− 2·1	+ 4·3	+ 8·8	+10·8	+**11·0**	+ 9·7	+ **7·9**	+ **5·5**	+ **3·5**	+ 1·4
Summer	+ 0·5	− 0·9	− 1·1	− 0·8	+ 1·5	+ 2·1	+ 2·3	+ 1·0	− 3·3	− 9·5	−15·8	**−19·5**	−17·7	−10·7	− 2·1	+ 5·3	+10·0	+13·3	+**13·5**	+11·9	+ **8·8**	+ **5·6**	+ **3·5**	+ 1·8

TABLE VI.—MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS—DECLINATION, INCLINATION AND HORIZONTAL INTENSITY.

International Quiet Days.

DECLINATION WEST.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−1·14	−0·84	−0·64	−0·54	−0·58	−0·66	−0·68	−1·04	−0·84	−0·90	+0·22	+1·24	+2·10	**+2·68**	+2·10	+1·62	+1·16	+0·70	+0·36	−0·08	−0·70	−0·68	−0·92	**−1·32**
Feb.	**−1·40**	−0·62	−0·78	−0·06	−1·20	−1·12	−0·94	−1·08	−0·98	−0·78	0·00	+1·26	+2·08	**+2·52**	+2·08	+1·52	**+1·28**	+0·96	+0·40	+0·10	−0·38	−0·70	−0·82	−1·06
Mar.	−0·91	−0·89	−0·97	−1·17	−1·17	−1·43	−1·33	−1·73	−3·13	**−3·61**	−1·83	+1·17	+3·57	**+4·33**	+4·07	+2·99	+1·43	+0·93	+0·45	+0·11	+0·03	−0·23	−0·37	−0·41
Apr.	−0·38	−0·56	−0·64	−0·56	−0·94	−1·74	−3·18	−5·20	**−5·96**	−4·66	−1·80	+2·34	+5·86	**+7·14**	+6·20	+4·16	+1·94	+0·20	−0·72	−0·54	−0·40	−0·26	−0·16	−0·04
May	−0·63	−0·97	−0·87	−1·29	−2·25	−3·95	−5·39	**−6·71**	−6·33	−3·25	+0·73	+4·75	**+7·55**	+7·35	+5·49	+3·57	+1·81	+0·49	+0·09	+0·01	+0·07	−0·01	−0·01	−0·29
June	+0·22	−0·32	−0·78	−1·50	−2·48	−3·64	−5·40	−6·16	**−6·18**	−4·52	−1·72	+1·52	+4·30	**+5·86**	+5·84	+4·82	+3·38	+1·98	+1·24	+0·76	+0·78	+1·02	+0·80	+0·46
July	−0·08	−0·10	−0·48	−1·10	−2·38	−3·88	−4·82	**−5·36**	**−5·36**	−3·94	−1·52	+1·90	+4·96	**+6·20**	+6·02	+4·54	+2·74	+1·18	+0·48	+0·48	+0·02	+0·04	+0·32	+0·34
Aug.	−0·30	−0·48	−0·98	−1·20	−2·04	−3·50	−4·86	**−5·80**	−5·50	−4·10	−1·68	+1·66	+4·86	**+5·96**	+5·52	+4·20	+2·72	+1·62	+0·90	+0·86	+0·86	+0·70	+0·38	+0·04
Sept.	−1·28	−1·24	−1·44	−1·80	−2·36	−2·76	−3·90	−5·06	**−5·14**	−3·36	+0·08	+3·66	+5·92	**+6·16**	+4·80	+2·78	+1·20	+0·30	+0·20	−0·16	−0·18	−0·30	−0·48	−0·46
Oct.	−0·92	−0·72	−0·78	−0·88	−1·00	−1·46	−2·06	−3·26	**−4·40**	−3·98	−0·88	+2·22	+4·18	**+5·18**	+4·38	+2·70	+1·54	+0·92	+0·66	+0·20	−0·10	−0·26	−0·56	−0·70
Nov.	−0·74	−0·70	−0·68	−0·58	−0·64	−0·88	−1·18	−1·42	**−2·02**	−1·78	+0·06	+1·90	**+2·76**	+2·68	+2·28	+1·84	+1·16	+0·58	−0·08	−0·32	−0·50	−0·80	−0·72	−0·74
Dec.	−0·92	−0·96	−0·90	−0·70	−0·44	−0·54	−0·86	−1·14	−1·60	**−1·78**	−0·58	+1·12	+2·46	**+2·98**	+2·50	+1·82	+1·06	+0·48	+0·08	+0·04	−0·24	−0·58	−0·72	−0·90
Year	−0·71	−0·70	−0·83	−0·95	−1·46	−2·13	−2·88	−3·66	**−3·95**	−3·06	−0·74	+2·06	+4·22	**+4·92**	+4·27	+3·05	+1·79	+0·86	+0·34	+0·12	−0·08	−0·17	−0·27	−0·42
Winter	−1·05	−0·78	−0·75	−0·47	−0·72	−0·80	−0·92	−1·17	**−1·36**	−1·31	−0·08	+1·38	+2·35	**+2·72**	+2·24	+1·70	+1·17	+0·68	+0·19	−0·07	−0·46	−0·69	−0·80	−1·01
Equinox	−0·87	−0·85	−0·96	−1·10	−1·37	−1·85	−2·62	−3·81	**−4·66**	−3·90	−1·11	+2·35	+4·88	**+5·70**	+4·86	+3·16	+1·53	+0·58	+0·15	−0·10	−0·16	−0·26	−0·39	−0·40
Summer	−0·20	−0·47	−0·78	−1·27	−2·29	−3·74	−5·12	**−6·01**	−5·84	−3·96	−1·05	+2·46	+5·42	**+6·34**	+5·72	+4·28	+2·66	+1·32	+0·68	+0·53	+0·43	+0·44	+0·37	+0·14

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·01	−0·03	−0·04	−0·10	−0·21	−0·25	−0·26	−0·20	−0·03	+0·33	+0·53	**+0·71**	+0·40	+0·15	+0·20	+0·13	+0·18	+0·04	−0·17	−0·19	−0·36	**−0·40**	−0·28	−0·13
Feb.	+0·16	+0·09	+0·09	−0·07	−0·14	−0·20	−0·24	**−0·26**	−0·22	−0·07	+0·05	+0·08	−0·01	+0·09	0·00	+0·14	**+0·23**	+0·19	+0·02	+0·02	+0·02	−0·07	−0·02	−0·04
Mar.	−0·06	−0·02	−0·07	−0·10	−0·14	−0·20	−0·32	**−0·45**	−0·26	+0·04	+0·28	+0·40	**+0·57**	**+0·57**	+0·56	+0·56	+0·46	+0·14	−0·16	−0·27	−0·37	−0·37	−0·39	−0·42
Apr.	−0·25	−0·26	−0·17	−0·28	−0·42	−0·48	−0·59	−0·28	+0·24	+0·91	+1·32	**+1·37**	+1·03	+0·80	+0·62	+0·30	+0·03	−0·31	−0·49	−0·58	−0·60	−0·58	−0·61	**−0·66**
May	−0·39	−0·29	−0·24	−0·32	−0·35	−0·17	+0·31	+1·00	+1·39	**+1·61**	+1·32	+0·95	+0·58	+0·32	+0·07	−0·31	−0·42	−0·74	**−0·88**	−0·84	−0·77	−0·63	−0·59	−0·51
June	−0·49	−0·41	−0·21	−0·20	−0·28	−0·12	+0·19	+1·11	+1·07	**+1·48**	+1·47	+1·20	+0·87	+1·02	+0·53	−0·08	−0·42	−0·93	**−1·22**	−1·04	−0·83	−0·70	−0·63	−0·64
July	−0·28	−0·21	−0·27	−0·23	−0·19	−0·16	+0·21	+0·71	+1·26	**+1·49**	+1·48	+1·25	+0·87	+0·47	+0·15	−0·29	−0·55	−0·67	**−0·89**	−0·86	−0·87	−0·85	−0·71	−0·70
Aug.	−0·42	−0·41	−0·36	−0·25	−0·20	−0·08	+0·20	+0·75	+1·15	**+1·32**	+1·29	+1·01	+0·79	+0·55	+0·19	+0·09	−0·24	−0·67	−0·90	**−0·96**	−0·82	−0·85	−0·77	−0·65
Sept.	−0·40	−0·37	−0·36	−0·38	−0·35	−0·21	+0·04	+0·58	+1·20	**+1·74**	+1·68	+1·30	+0·76	+0·28	+0·02	−0·27	−0·32	−0·48	−0·68	−0·79	−0·80	−0·76	−0·78	**−0·84**
Oct.	−0·44	−0·37	−0·40	−0·45	−0·49	−0·52	−0·42	−0·05	+0·45	+1·06	+1·31	**+1·49**	+1·17	+0·68	+0·35	+0·26	+0·18	−0·20	−0·51	−0·65	−0·66	**−0·70**	−0·64	−0·63
Nov.	−0·27	−0·15	−0·12	−0·16	−0·27	−0·40	−0·40	−0·28	+0·10	+0·43	+0·68	**+0·83**	+0·78	+0·59	+0·49	+0·47	+0·24	−0·09	−0·32	−0·35	−0·38	**−0·45**	**−0·45**	−0·35
Dec.	−0·03	−0·13	−0·04	−0·05	−0·06	−0·32	−0·38	−0·25	−0·08	+0·28	+0·63	**+0·66**	+0·55	+0·44	+0·43	+0·17	+0·03	−0·16	−0·28	−0·24	−0·26	−0·25	−0·28	**−0·39**
Year	−0·24	−0·21	−0·18	−0·22	−0·26	−0·26	−0·14	+0·20	+0·52	+0·89	**+1·00**	+0·94	+0·70	+0·50	+0·30	+0·10	−0·05	−0·32	−0·54	**−0·56**	−0·56	−0·55	−0·51	−0·50
Winter	−0·04	−0·06	−0·03	−0·10	−0·17	−0·29	**−0·32**	−0·25	−0·06	+0·24	+0·47	**+0·57**	+0·43	+0·32	+0·28	+0·23	+0·17	−0·01	−0·16	−0·19	−0·25	−0·29	−0·26	−0·23
Equinox	−0·29	−0·26	−0·25	−0·30	−0·35	−0·35	−0·32	−0·05	+0·41	+0·94	**+1·15**	+1·14	+0·88	+0·58	+0·39	+0·21	+0·09	−0·21	−0·46	−0·57	−0·61	−0·60	−0·61	**−0·64**
Summer	−0·40	−0·33	−0·27	−0·25	−0·26	−0·13	+0·23	+0·89	+1·22	**+1·48**	+1·39	+1·10	+0·78	+0·59	+0·24	−0·15	−0·41	−0·75	**−0·97**	−0·93	−0·82	−0·76	−0·68	−0·63

HORIZONTAL INTENSITY.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 0·3	+ 0·3	+ 0·3	+ 0·9	+ 2·5	+ 3·5	+ 3·5	+ 2·9	+ 0·1	− 5·7	− 8·1	**−11·3**	− 7·5	− 2·9	− 2·3	− 1·5	− 1·9	+ 0·1	+ 3·7	+ 3·9	+ 6·3	**+ 6·5**	+ 4·7	+ 2·5
Feb.	− 1·4	− 0·6	− 0·6	+ 2·0	+ 2·8	**+ 3·8**	+ 3·6	**+ 3·8**	+ 3·2	0·0	− 3·2	**− 4·6**	− 3·8	− 4·2	− 1·0	− 2·2	− 3·2	− 1·8	+ 1·2	+ 1·2	+ 1·4	+ 2·2	+ 1·2	+ 1·4
Mar.	+ 2·8	+ 2·0	+ 2·6	+ 2·6	+ 3·2	+ 4·2	+ 5·0	**+ 7·4**	+ 4·8	− 1·6	− 8·0	−11·2	**−13·2**	−11·4	−10·0	− 8·2	− 5·6	− 1·2	+ 3·8	+ 5·2	+ 6·2	+ 6·4	+ 6·6	+ 7·0
Apr.	+ 6·0	+ 6·0	+ 4·8	+ 6·2	+ 7·8	+ 9·0	**+11·6**	+ 7·2	− 1·8	−15·4	−25·4	**−29·6**	−24·6	−18·6	−12·2	− 5·2	+ 1·0	+ 7·6	+10·4	+11·2	+11·2	+10·4	+10·8	+11·2
May	+ 7·9	+ 6·7	+ 6·1	+ 7·7	+ 9·1	+ 6·3	− 1·3	−12·9	−22·1	−28·9	**−29·1**	−25·3	−18·1	−11·3	− 3·5	+ 4·9	+ 8·9	+15·5	**+17·3**	+16·3	+13·9	+11·5	+10·5	+ 9·3
June	+ 9·0	+ 7·6	+ 4·8	+ 5·0	+ 7·0	+ 5·2	+ 0·4	−14·4	−15·8	−25·2	**−28·6**	−26·4	−22·8	−22·2	−11·8	0·0	+ 8·0	+17·2	**+22·6**	+19·6	+16·0	+12·8	+11·2	+11·2
July	+ 4·8	+ 3·8	+ 4·8	+ 4·6	+ 5·2	+ 4·8	− 0·6	− 8·4	−17·6	−23·4	**−28·0**	−26·6	−20·2	−12·0	− 5·2	+ 4·8	+10·8	+14·0	**+17·2**	+15·8	+15·2	+13·2	+10·6	+10·8
Aug.	+ 7·6	+ 7·4	+ 7·0	+ 6·0	+ 6·2	+ 4·6	0·0	− 8·8	−17·0	−22·8	**−25·8**	−24·2	−20·6	−14·0	− 5·2	− 0·6	+ 6·4	+13·4	+16·2	**+16·6**	+14·0	+13·8	+12·4	+10·6
Sept.	+ 8·2	+ 7·6	+ 7·6	+ 7·8	+ 7·6	+ 5·8	+ 2·4	− 5·4	−16·0	−27·2	**−30·2**	−26·6	−17·8	− 9·2	− 2·8	+ 2·2	+ 5·2	+ 7·8	+10·8	+12·8	+13·0	+12·4	+12·6	**+13·4**
Oct.	+ 7·4	+ 6·2	+ 6·8	+ 7·4	+ 8·2	+ 8·4	+ 7·4	+ 3·0	− 5·4	−16·6	−22·8	**−26·8**	−21·6	−13·4	− 6·2	− 3·2	− 1·4	+ 4·2	+ 8·6	+10·4	+10·2	**+10·8**	+10·0	+ 9·6
Nov.	+ 3·8	+ 1·8	+ 1·0	+ 1·8	+ 3·4	+ 5·8	+ 5·8	+ 4·6	− 0·6	− 7·0	−12·0	**−14·8**	−12·8	− 9·2	− 6·8	− 5·8	− 2·0	+ 3·0	+ 6·0	+ 6·0	+ 6·4	**+ 7·2**	+ 7·0	+ 5·2
Dec.	+ 1·0	+ 1·6	− 0·2	− 0·2	+ 0·2	+ 4·6	+ 5·4	+ 3·8	+ 1·6	− 5·0	−11·2	**−11·6**	− 9·6	− 7·2	− 5·8	− 2·0	+ 0·6	+ 3·6	+ 5·0	+ 4·4	+ 4·8	**+ 4·4**	+ 4·8	**+ 5·6**
Year	+ 4·8	+ 4·2	+ 3·8	+ 4·3	+ 5·3	+ 5·5	+ 3·6	− 1·4	− 7·2	−14·9	−19·4	**−19·9**	−16·1	−11·3	− 6·1	− 1·4	+ 2·2	+ 7·0	+10·2	**+10·3**	+ 9·9	+ 9·3	+ 8·5	+ 8·2
Winter	+ 0·9	+ 0·8	+ 0·1	+ 1·1	+ 2·2	+ 4·4	+ 4·6	+ 3·8	+ 1·1	− 4·4	− 8·6	**−10·6**	− 8·4	− 5·9	− 4·0	− 2·9	− 1·6	+ 1·2	+ 4·0	+ 3·9	+ 4·7	**+ 5·2**	+ 4·4	+ 3·7
Equinox	+ 6·1	+ 5·5	+ 5·5	+ 6·0	+ 6·7	+ 6·9	+ 6·6	+ 3·1	− 4·6	−15·2	−21·6	**−23·6**	−19·3	−13·2	− 7·8	− 3·6	− 0·2	+ 4·6	+ 8·4	+ 9·9	+10·2	+10·0	+10·0	**+10·3**
Summer	+ 7·3	+ 6·4	+ 5·7	+ 5·8	+ 6·9	+ 5·2	− 0·4	−11·1	−18·1	−25·1	**−27·9**	−25·6	−20·4	−14·9	− 6·4	+ 2·3	+ 8·5	+15·0	**+18·3**	+17·1	+14·8	+12·8	+11·2	+10·5

TABLE VI.—*continued.*—MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY.

International Quiet Days.

NORTH COMPONENT.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+1·5	+1·2	+1·0	+1·5	+3·1	+4·1	+4·2	+4·0	+0·9	−4·6	−8·2	**−12·4**	−9·6	−5·7	−4·5	−3·2	−3·1	−0·7	+3·2	+3·9	−0·9	**+7·1**	+5·6	+3·9
Feb.	+0·1	+0·1	+0·3	+2·0	+4·0	**+4·9**	+4·5	+4·9	+4·2	+0·8	−3·1	−5·9	−6·0	**−6·8**	−3·2	−3·8	−4·5	−2·8	+0·8	+1·1	+1·8	+2·9	+2·1	+2·5
Mar.	+3·7	+2·9	+3·6	+3·8	+4·4	+5·7	+6·3	**+9·1**	+8·1	+2·3	−5·9	−12·2	**−16·8**	−15·8	−14·2	−11·3	−7·0	−2·2	+3·2	+5·0	+6·1	+6·5	+6·9	+7·3
Apr.	+6·3	+6·5	+5·4	+6·7	+8·7	+10·7	**+14·8**	+12·7	+4·7	−10·1	−23·0	**−31·5**	−30·4	−25·9	−18·6	−9·6	−1·1	+7·2	+11·0	+11·6	+11·4	+10·5	+10·8	+11·0
May	+8·4	+7·6	+6·9	+8·9	+11·4	+10·4	+4·6	−5·4	−14·9	−24·8	−29·3	**−29·9**	−25·9	−19·0	−9·3	+1·0	+6·8	+14·7	**+16·9**	+16·0	+13·6	+11·3	+10·3	+9·4
June	+8·6	+7·8	+5·5	+6·5	+9·5	+9·0	+6·2	−7·5	−8·8	−19·8	−26·2	−27·5	−27·0	**−28·1**	−17·9	−5·2	+4·2	+14·7	**+20·8**	+18·4	+14·8	+11·4	+10·1	+10·5
July	+4·8	+3·8	+5·2	+5·7	+7·7	+8·9	+4·6	−2·5	−11·5	−18·7	−25·8	**−28·1**	−25·1	−18·4	−11·6	−0·2	+7·6	+12·5	**+16·3**	+15·0	+14·9	+12·9	+10·1	+10·2
Aug.	+7·8	+7·8	+7·9	+7·2	+8·3	+8·3	+5·2	−2·4	−10·7	−17·9	−23·5	**−25·5**	−25·4	−20·1	−11·0	−5·1	+3·3	+11·4	+14·9	**+15·3**	+12·8	+12·8	+11·7	+10·4
Sept.	+9·4	+8·8	+9·0	+9·6	+10·0	+8·7	+6·6	+0·2	−10·2	−23·0	−29·7	**−30·0**	−23·8	−15·7	−7·9	−0·8	+3·8	+7·3	+10·4	+12·7	+12·9	+12·5	**+12·9**	**+13·6**
Oct.	+8·2	+6·9	+7·5	+8·2	+9·1	+9·8	+9·5	+6·5	−0·6	−12·0	−21·4	**−28·7**	−25·7	−18·7	−10·8	−6·1	−3·0	+3·1	+7·7	+10·0	+10·1	**+10·9**	+10·4	+10·2
Nov.	+4·5	+2·5	+1·7	+2·4	+4·0	+6·6	+7·0	+6·0	+1·6	−4·9	−11·8	**−16·5**	−15·5	−11·9	−9·1	−7·7	−3·2	+2·3	+6·0	+6·2	+6·8	**+7·9**	+7·6	+5·9
Dec.	+2·0	+2·6	+0·8	+0·6	+0·7	+5·1	+6·2	+5·0	+3·3	−3·0	−10·4	**−12·6**	−12·1	−10·3	−8·4	−3·9	−0·6	+3·0	+4·8	+4·3	+5·0	+4·9	**+5·5**	**+6·5**
Year	+5·4	+4·9	+4·6	+5·3	+6·7	+7·7	+6·6	+2·6	−2·8	−11·3	−18·2	**−21·7**	−20·3	−16·4	−10·5	−4·7	+0·3	+5·9	+9·7	**+10·0**	+9·8	+9·3	+8·7	+8·5
Winter	+2·0	+1·6	+1·0	+1·6	+3·0	+5·2	+5·5	+5·0	+2·5	−2·9	−8·4	**−11·9**	−10·8	−8·7	−6·3	−4·7	−2·9	+0·5	+3·7	+3·9	+5·1	**+5·7**	+5·2	+4·7
Equinox	+6·9	+6·3	+6·4	+7·1	+8·1	+8·7	+9·3	+7·1	+0·5	−10·7	−20·0	**−25·6**	−24·2	−19·0	−12·9	−7·0	−1·8	+3·9	+8·1	+9·8	+10·1	+10·1	+10·3	**+10·5**
Summer	+7·4	+6·8	+6·4	+7·1	+9·2	+9·2	+5·2	−4·5	−11·5	−20·3	−26·2	**−27·7**	−25·9	−21·4	−12·5	−2·4	+5·5	+13·3	**+17·2**	+16·2	+14·0	+12·1	+10·6	+10·1

WEST COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	−6·0	−4·4	−3·3	−2·7	−2·6	−2·8	−2·9	−4·9	−4·4	−5·9	−0·5	**+4·3**	+9·6	**+13·6**	+10·6	+8·3	+5·8	+3·7	+2·0	+0·4	−2·5	−2·3	−3·9	**−6·5**
Feb.	**−7·7**	−3·4	−4·2	+0·1	−5·8	−5·2	−4·3	−5·0	−4·5	−4·1	−0·6	+5·7	+10·2	**+12·5**	+10·8	+7·6	+6·1	+4·7	+2·4	+0·8	−1·7	−3·3	−4·1	−5·3
Mar.	−4·3	−4·3	−4·6	−5·7	−5·5	−6·7	−6·0	−7·7	−15·6	**−19·4**	−11·3	+4·0	+16·3	**+20·6**	+19·5	+14·2	+6·5	+4·7	+3·1	+1·6	+1·4	+0·1	−0·6	−0·8
Apr.	−0·8	−1·8	−2·4	−1·7	−3·4	−7·4	−14·5	−26·1	**−31·9**	−27·7	−14·6	+6·5	+26·1	**+34·1**	+30·4	+21·0	+10·5	+2·6	−1·7	−0·6	+0·1	+0·7	+1·3	+2·0
May	−1·8	−3·8	−3·4	−5·3	−10·1	−19·6	−28·8	**−38·1**	−37·9	−22·9	−1·9	+20·1	+36·3	**+36·6**	+28·3	+19·9	+11·3	+5·7	+3·9	+3·3	+3·1	+2·2	+2·0	+0·3
June	+3·0	+0·2	−3·2	−6·9	−11·7	−18·2	−28·5	−35·4	**−35·8**	−28·9	−14·8	+2·8	+18·2	+26·6	**+28·5**	+25·5	+19·5	+13·9	+11·1	+7·9	+7·3	+7·9	+6·5	+4·7
July	+0·5	+0·2	−1·6	−4·9	−11·6	−19·6	−25·6	−30·0	**−31·8**	−25·5	−13·6	+4·8	+22·2	+30·4	**+30·8**	+25·0	+16·6	+9·0	+6·0	+5·7	+3·1	+2·8	+3·8	+4·0
Aug.	−0·1	−1·1	−3·8	−5·2	−9·6	−17·6	−25·7	−32·4	**−32·5**	−26·2	−14·0	+4·0	+21·6	**+28·7**	+28·2	+22·1	+15·7	+11·2	+8·0	+7·9	+7·3	+6·5	+4·5	+2·3
Sept.	−5·1	−5·1	−6·1	−8·0	−11·0	−13·4	−20·1	−27·8	**−30·4**	−23·2	−5·6	+14·1	**+27·8**	+20·7	+24·8	+15·1	+7·4	+3·1	+3·2	+1·7	+1·6	+0·9	−0·0	+0·2
Oct.	−3·4	−2·6	−2·8	−3·2	−3·7	−6·1	−9·4	−16·6	−24·3	**−24·4**	−9·2	+6·4	+17·8	**+24·7**	+21·9	+13·6	+7·9	+5·7	+5·2	+3·1	+1·5	+0·8	−1·0	−1·8
Nov.	−3·2	−3·3	−3·4	−2·7	−2·7	−3·5	−5·1	−6·6	**−10·8**	**−10·8**	−2·1	+7·1	+12·1	**+12·3**	+10·7	+8·6	+5·7	+3·7	+0·8	−0·5	−1·4	−2·8	−2·4	−2·9
Dec.	−4·7	−4·8	−4·8	−3·7	−2·3	−1·9	−3·5	−5·3	−8·1	**−10·4**	−5·3	+3·6	+11·1	**+14·3**	+12·1	+9·2	+5·7	+3·3	+1·4	+1·1	−0·4	−2·2	−2·9	−3·7
Year	−2·8	−2·9	−3·6	−4·2	−6·7	−10·2	−14·5	−19·7	**−22·3**	−19·1	−7·8	+7·0	+19·1	**+22·9**	+21·4	+15·8	+9·9	+5·9	+3·8	+2·7	+1·6	+0·9	+0·3	−0·6
Winter	−5·4	−4·0	−3·9	−2·3	−3·4	−3·4	−4·0	−5·5	−7·0	**−7·8**	−2·1	+5·2	+10·8	**+13·2**	+11·1	+8·4	+5·8	+3·9	+1·8	+0·5	−1·5	−2·7	−3·3	−4·6
Equinox	−3·4	−3·5	−4·0	−4·7	−5·9	−8·4	−12·5	−19·6	**−25·6**	−23·7	−10·2	+7·8	+22·0	**+25·0**	+24·2	+16·0	+8·1	+4·0	+2·5	+1·5	+1·2	+0·6	−0·1	−0·1
Summer	+0·4	−1·2	−3·0	−5·6	−10·8	−18·8	−27·2	−34·0	**−34·5**	−25·9	−11·1	+7·9	+24·6	**+30·6**	+29·0	+23·1	+15·8	+10·0	+7·3	+6·2	+5·2	+4·9	+4·2	+2·8

VERTICAL COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+0·1	−0·3	−0·7	**−1·5**	−1·5	−0·3	−0·9	−0·1	−0·7	−1·9	−0·9	−1·7	**−3·7**	−1·9	+1·1	+0·9	+1·7	+1·7	**+2·7**	+2·3	+1·9	+1·3	+1·1	+1·1
Feb.	+2·4	+1·8	+1·8	+2·2	+1·8	+2·2	−0·0	−0·0	−0·0	−2·4	−5·8	−7·8	**−9·2**	−6·4	−2·4	−0·2	+0·6	+2·4	+3·6	**+3·4**	**+3·8**	+2·8	+2·2	+1·8
Mar.	**+4·4**	+3·8	+3·6	+2·6	+2·8	+2·6	+0·8	+1·6	+2·2	−2·4	−8·8	**−12·0**	−11·0	−6·8	−3·6	+0·2	+2·8	+2·2	+3·4	+2·6	+1·8	+2·0	+1·8	+1·8
Apr.	+5·1	+4·9	+5·3	+4·7	+3·9	+4·5	+6·5	**+7·3**	+4·1	−4·3	−13·3	**−21·7**	−21·5	−15·3	−6·7	−1·7	+3·3	+6·7	**+7·3**	+5·9	+5·1	+4·1	+4·1	+3·1
May	+4·7	+5·4	+5·7	+6·7	+9·0	+8·7	+7·5	+4·5	−3·3	−11·8	−21·9	**−26·0**	−22·0	−15·0	−5·8	+0·7	+6·2	**+10·2**	+10·0	+9·0	+5·7	+5·0	+4·2	+4·0
June	+4·2	+3·4	+3·8	+4·8	+6·6	+7·8	+7·4	+4·8	+0·2	−7·4	−15·8	−20·0	**−22·8**	−16·6	−9·4	−2·8	+4·0	+7·8	**+10·4**	+9·6	+8·4	+5·4	+4·2	+3·6
July	+1·2	+1·6	+1·6	+2·6	+5·4	+5·6	+5·8	+4·8	+2·4	−3·2	−14·0	**−18·6**	−16·8	−11·6	−7·0	+1·0	+6·0	**+9·4**	+8·0	+7·0	+5·0	+1·4	0·0	−1·0
Aug.	+3·2	+3·0	+3·8	+5·0	+7·4	**+7·8**	+7·0	+5·4	0·0	−7·4	−15·4	**−21·2**	−20·6	−13·4	−5·6	+1·8	+6·6	**+7·8**	+6·4	+5·4	+4·0	+2·6	+2·4	+2·0
Sept.	+5·0	+4·8	+5·2	+5·2	+5·6	+6·0	+7·0	**+7·4**	+4·0	−3·2	−12·4	**−16·8**	−15·2	−11·8	−5·8	−4·0	+1·0	+1·8	+1·8	+2·4	+2·8	+2·6	+2·4	+2·0
Oct.	+2·2	+1·8	+2·2	+1·6	+2·0	+1·6	+2·8	**+5·0**	+3·2	−2·2	−8·0	**−11·0**	−9·8	−7·6	−2·4	+1·4	+3·2	+2·8	+2·4	+1·6	+1·0	+1·0	+1·0	+0·6
Nov.	−0·2	+1·0	−1·6	−1·2	−1·2	−0·2	−0·4	+1·0	+2·2	−1·2	−4·4	**−5·8**	−2·6	−1·0	+1·0	+2·6	**+3·6**	**+3·6**	+2·8	+1·8	+1·8	+1·2	+0·8	0·0
Dec.	+1·2	−0·8	−1·6	−2·0	−1·6	−0·4	−0·8	+0·4	+1·0	−2·2	**−4·2**	−4·0	−3·4	−1·8	+1·2	+1·4	+2·4	**+2·6**	+2·2	+2·2	+2·2	+1·6	+1·2	−0·2
Year	+2·8	+2·4	+2·4	+2·6	+3·4	+3·8	+3·6	+3·5	+1·3	−4·1	−10·4	**−13·9**	−13·2	−9·1	−3·8	+0·1	+3·5	+4·9	**+5·2**	+4·4	+3·6	+2·6	+2·1	+1·6
Winter	+0·9	−0·1	−0·5	−0·6	−0·8	+0·3	−0·5	+0·3	+0·6	−1·9	−3·8	**−4·8**	−4·7	−2·8	+0·2	+1·2	+2·1	+2·6	**+2·8**	+2·4	+2·4	+1·7	+1·3	+0·7
Equinox	+4·2	+3·8	**+4·1**	+3·5	+3·6	+3·7	+4·3	**+5·3**	+3·4	−3·0	−10·6	**−15·4**	−14·4	−10·4	−4·6	−1·0	+2·6	+3·4	+3·7	+3·1	+2·7	**+2·4**	+2·3	+1·9
Summer	+3·3	+3·4	+3·7	+4·8	+7·1	+7·5	+6·9	+4·9	−0·2	−7·5	−16·8	**−21·5**	−20·6	−14·2	−6·8	+0·2	+5·7	+8·8	**+9·1**	+7·8	+5·8	+3·6	+2·7	+2·2

TABLE VII.—MEAN DIURNAL INEQUALITIES OF THE MAGNETIC ELEMENTS—DECLINATION, INCLINATION AND HORIZONTAL INTENSITY.

International Disturbed Days.

DECLINATION WEST.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−3·66	−3·68	−2·14	−1·44	−0·82	−1·96	−1·46	−0·48	−0·40	+0·22	+1·32	+3·14	+3·42	+ **4·98**	+ 4·82	+3·44	+2·46	+1·80	+0·52	+1·52	−0·94	**−4·00**	−3·34	−3·32
Feb.	−2·96	−2·68	−3·90	−4·24	−2·92	−1·72	−1·10	+0·04	+0·86	+1·40	+1·74	+3·44	+5·44	+ **6·80**	+ 6·14	+4·40	+2·40	+2·44	−0·10	−0·50	−1·82	**−5·82**	−4·32	−2·94
Mar.	−3·30	−4·00	−3·78	−4·00	−3·82	−2·68	−0·82	−2·08	−3·38	−2·18	+0·40	+4·54	+7·36	+ **9·08**	+ 8·60	+6·64	+4·40	+2·58	−0·10	−1·86	−0·44	−2·30	−3·34	**−5·58**
Apr.	−2·90	−5·42	**−6·54**	−5·56	−3·62	−3·22	−3·22	−4·46	−3·22	−1·16	+1·94	+5·90	+9·56	**+11·00**	+ 9·54	+7·12	+5·82	+2·00	+0·16	−3·02	−1·66	−3·32	−2·02	−3·72
May	−1·46	−1·82	−1·64	−2·54	−3·22	−4·04	−5·12	**−6·26**	−4·94	−2·88	+0·84	+5·60	+8·10	+ **9·10**	+ 8·38	+5·66	+3·70	+1·96	−0·02	−3·54	−1·86	−1·00	−1·18	−1·86
June	−2·89	−3·01	−2·33	−1·45	−2·51	−3·85	−2·83	**−4·35**	−3·11	−1·91	+0·83	+3·43	+6·23	+ **7·13**	+ 6·55	+5·19	+3·91	+2·53	+1·25	−1·09	−2·29	−1·93	−1·19	−2·29
July	−3·32	−3·84	−3·50	−3·26	−3·46	−4·48	−5·36	**−7·08**	−5·84	−2·96	−0·58	+1·84	+5·76	+ 7·70	**+10·36**	+9·14	+7·48	+4·46	+1·86	+0·42	−0·40	−1·68	−1·68	−1·94
Aug.	−1·90	−3·06	−3·60	−2·84	−3·98	**−5·22**	−5·18	−5·12	−3·94	−1·94	+1·48	+4·68	+7·60	+ **8·40**	+ 7·52	+5·74	+4·10	+2·60	+0·96	0·00	−3·08	−1·44	−0·72	−0·92
Sept.	−2·56	−3·36	−2·72	−2·30	−2·64	−2·64	−3·64	−4·14	**−5·48**	−3·96	−0·14	+4·50	+7·32	+ **9·70**	+ 8·16	+5·02	+3·38	+1·50	+0·44	−0·72	−1·00	−0·86	−2·38	−1·78
Oct.	−4·28	**−4·38**	−3·10	−3·14	+0·02	+0·56	+0·64	−0·90	−2·76	−1·18	+2·50	+5·30	+6·42	+ **6·90**	+ 5·46	+3·76	+2·10	+0·58	−0·06	−1·44	−2·72	−2·70	−3·54	−4·02
Nov.	−3·00	−2·60	−1·90	−1·04	+1·30	+1·02	+0·72	−0·52	−0·70	−0·98	+0·04	+2·64	+4·36	+ **6·04**	+ 5·44	+5·44	+3·50	+0·82	−0·24	−1·12	−3·92	**−6·06**	−4·46	−4·56
Dec.	**−2·74**	−1·74	−1·88	−0·12	+1·02	+1·76	+0·42	+0·18	−1·00	−2·02	−1·06	+0·86	+2·58	+ **3·50**	+ 2·80	+2·58	+0·60	+0·82	+0·44	+0·48	−0·70	−2·52	−2·62	−1·90
Year	−2·91	**−3·30**	−3·09	−2·66	−2·05	−2·21	−2·25	−2·93	−2·83	−1·63	+0·78	+3·82	+6·18	+ **7·53**	+ 6·98	+5·34	+3·65	+2·01	+0·43	−0·91	−1·74	−2·80	−2·57	−2·90
Winter	−3·09	−2·68	−2·45	−1·71	−0·35	−0·23	−0·36	−0·20	−0·31	−0·35	+0·51	+2·52	+3·95	+ **5·33**	+ 4·80	+3·97	+2·24	+1·47	+0·16	+0·10	−1·85	**−4·60**	−3·68	−3·18
Equinox	−3·26	**−4·29**	−4·04	−3·75	−2·52	−2·00	−1·76	−2·90	−3·71	−2·12	+1·18	+5·06	+7·67	+ **9·17**	+ 7·94	+5·64	+3·93	+1·67	+0·11	−1·76	−1·46	−2·30	−2·82	−3·78
Summer	−2·39	−2·93	−2·77	−2·52	−3·29	−4·40	−4·62	**−5·70**	−4·46	−2·42	+0·64	+3·89	+6·92	+ 8·08	+ **8·20**	+6·43	+4·80	+2·89	+1·01	−1·05	−1·91	−1·51	−1·19	−1·75

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	−0·16	−0·27	−0·26	−0·19	−0·86	**−1·18**	−1·05	−1·04	−0·86	−0·53	−0·08	−0·05	+0·25	+ 0·17	+ 0·58	+0·77	+0·44	+0·41	+0·80	+0·91	**+1·25**	+0·17	+0·68	+0·17
Feb.	−0·45	**−1·23**	−0·68	−0·93	−0·66	−0·71	−0·57	−0·63	−0·49	−0·69	−0·64	+0·25	−0·04	− 0·11	+ 1·02	**+1·61**	+1·51	+1·25	+0·41	+0·20	+0·72	+0·10	+0·41	+0·38
Mar.	**−1·23**	−0·67	−0·94	−0·88	−0·82	−0·73	−0·42	−0·49	+0·25	+0·79	**+1·17**	+1·04	+0·55	+ 0·75	+ 0·71	+0·66	+0·67	+0·84	+0·29	−0·21	−0·03	−0·35	−0·42	−0·61
Apr.	−1·62	−1·02	−1·42	−1·19	−1·03	−0·16	+0·37	+1·42	+1·80	**+2·13**	+1·79	+1·53	+1·59	+ 1·42	+ 0·91	+0·78	−0·20	−0·20	−0·56	−0·80	−1·06	−0·88	−1·68	**−2·07**
May	−1·17	−0·59	−0·68	−0·45	−0·33	−0·21	+0·32	+1·17	**+1·49**	+1·33	+1·43	+0·70	+1·04	+ 1·05	+ 0·93	+0·78	−0·25	−0·81	−1·35	**−1·66**	−1·10	−0·89	−0·49	−0·38
June	−1·40	−1·62	−1·73	−1·35	−0·74	−0·71	+0·25	+1·50	+1·94	**+2·76**	+2·60	+2·03	+1·24	+ 1·56	+ 1·53	+0·63	−0·09	−1·34	**−2·10**	−1·69	−1·35	−0·73	−0·70	−0·39
July	−1·44	−1·06	**−1·66**	−1·16	−0·93	−0·30	−0·30	+0·28	+0·74	**+1·35**	+1·28	+1·21	+1·32	+ 1·18	− 0·01	+0·11	+0·63	+0·01	−0·24	−0·42	−0·04	−0·12	+0·13	−0·27
Aug.	−0·77	−0·47	−0·35	−0·42	−0·89	−0·44	+0·23	+0·68	+1·24	**+1·36**	+1·23	+1·03	+0·60	+ 0·53	+ 0·34	+0·29	−0·47	**−1·18**	−0·60	−0·96	−0·58	−0·32	−0·12	−0·08
Sept.	−1·39	−1·28	−1·11	−1·39	**−1·53**	−1·29	−0·66	−0·23	+0·42	+0·91	+1·53	**+1·66**	+1·53	+ 1·20	+ 1·48	+1·15	+0·85	+0·68	+0·37	0·00	−0·22	−0·42	−0·90	−0·91
Oct.	−1·31	−1·69	−2·24	**−2·47**	−2·24	−2·01	−1·87	−1·23	−0·12	+0·99	+1·56	**+2·01**	+1·61	+ 1·63	+ 1·62	+1·49	+1·19	+1·45	+1·58	+0·94	+0·31	−0·01	−0·39	−0·66
Nov.	−1·65	−1·53	−1·15	−1·31	−1·72	**−2·32**	−1·42	−1·05	−0·59	+0·11	+0·65	+0·97	+1·28	+ 1·52	+ **1·57**	+1·30	+1·16	**+1·00**	+1·03	+1·23	+0·56	+0·33	−0·04	+0·18
Dec.	−0·46	−0·66	−0·83	−1·07	**−1·44**	−1·25	−0·95	−0·78	−0·60	−0·38	+0·18	+0·62	+0·74	+ 0·67	+ 0·76	+0·65	**+1·18**	+0·70	+0·38	+0·60	+0·69	+0·64	+0·60	+0·25
Year	−1·09	−1·01	−1·09	−1·07	**−1·10**	−0·94	−0·51	−0·03	+0·44	+0·84	+1·06	**+1·08**	+0·98	+ 0·96	+ 0·95	+0·85	+0·55	+0·23	+0·00	−0·16	−0·07	−0·21	−0·24	−0·37
Winter	−0·68	−0·92	−0·73	−0·88	−1·17	**−1·37**	−1·00	−0·88	−0·64	−0·37	+0·03	+0·45	+0·56	+ 0·56	+ 0·98	**+1·10**	+1·07	+0·84	+0·66	+0·74	+0·81	+0·31	+0·41	+0·25
Equinox	−1·39	−1·17	−1·43	**−1·48**	−1·41	−1·05	−0·65	−0·13	+0·59	+1·21	+1·51	**+1·56**	+1·32	+ 1·25	+ 1·18	+1·02	+0·63	+0·69	+0·42	−0·02	−0·25	−0·42	−0·85	−1·06
Summer	**−1·20**	−0·94	−1·11	−0·85	−0·72	−0·42	+0·13	+0·91	+1·35	**+1·70**	+1·64	+1·24	+1·05	+ 1·08	+ 0·70	+0·45	−0·05	−0·83	−1·07	−1·18	−0·77	−0·52	−0·30	−0·28

HORIZONTAL INTENSITY.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 3·3	+ 3·5	+ 2·9	+ 1·7	+ 9·9	**+13·9**	+11·7	+11·5	+ 8·9	+ 3·9	− 2·5	− 3·1	− 7·7	− 4·5	− 7·7	− 9·5	− 3·3	− 3·3	− 7·5	− 8·1	**−11·5**	+ 2·9	− 6·3	− 0·3
Feb.	+ 7·3	**+16·1**	+ 7·1	+10·9	+ 6·3	+ 7·3	+ 4·9	+ 5·7	+ 3·7	+ 6·1	+ 4·3	−10·1	− 4·9	− 1·9	− 15·3	**−18·9**	−14·3	−10·1	+ 2·5	+ 1·9	− 4·7	+ 1·9	− 3·1	− 3·1
Mar.	**+17·1**	+ 8·3	+10·5	+ 9·7	+ 7·9	+ 7·5	+ 3·3	+ 5·1	− 5·5	−15·5	−22·9	**−23·5**	−14·9	− 14·1	− 9·3	− 5·3	− 1·9	− 3·3	+ 4·7	+10·7	+ 6·3	+ 8·5	+ 7·5	+ 8·7
Apr.	+12·3	+ 5·7	+14·5	+ 9·9	+ 7·9	− 2·3	− 8·5	−22·5	−29·3	**−35·9**	−33·7	−30·5	−29·1	− 20·5	− 5·9	− 1·7	+15·1	+19·7	+24·9	**+25·3**	+23·3	+16·7	+23·5	+22·7
May	+17·5	+ 6·9	+ 8·7	+ 5·5	+ 5·1	+ 2·9	− 5·1	−19·1	−25·7	−26·1	**−30·5**	−21·5	−24·5	− 18·3	− 12·5	− 5·9	+11·9	+21·1	+28·9	**+32·3**	+21·7	+15·5	+ 7·5	+ 5·1
June	+20·1	+23·9	+24·7	+15·7	+ 3·1	+ 3·1	−11·5	−29·9	(−37·1)	**(49·5)**	−46·1	−37·7	−21·7	− 21·5	− 16·9	− 0·7	+10·5	+29·7	**+40·3**	+33·9	+27·7	+16·1	+14·1	+ 8·5
July	+16·4	+ 9·4	**+18·4**	+12·4	+11·8	+ 2·6	+ 3·2	− 6·4	−15·6	−26·2	**−28·0**	−27·2	−26·4	− 20·2	+ 5·0	+ 9·8	+ 2·4	+13·6	+17·6	+16·8	+ 5·8	+ 4·4	− 2·8	+ 0·6
Aug.	+10·8	+ 5·8	+ 4·0	+ 5·4	+12·4	+ 6·0	− 3·8	−10·8	−20·6	**−24·6**	**−24·6**	−22·8	−16·0	− 13·0	− 6·4	− 2·8	+10·8	**+24·0**	+15·8	+21·4	+14·2	+ 8·4	+ 4·8	+ 4·0
Sept.	+20·4	+17·6	+15·2	+19·0	**+20·8**	+16·8	+ 8·6	+ 3·2	− 6·8	−16·4	−28·8	**−32·0**	−29·0	− 21·2	− 22·0	−12·6	− 6·2	− 3·8	0·0	+ 4·8	+ 7·4	+ 9·2	+15·4	+14·2
Oct.	+15·6	+19·2	+24·8	**+28·0**	+24·4	+22·2	+22·2	+14·4	− 2·4	−19·4	−28·2	**−33·8**	−25·8	− 23·0	− 20·0	−14·4	− 7·4	−10·0	−11·0	− 4·2	+ 3·0	+ 5·0	+ 8·0	+ 9·4
Nov.	+22·0	+18·0	+12·6	+14·8	+19·8	**+27·0**	+14·6	+10·6	+ 4·4	− 6·4	−14·4	−17·8	−20·8	− **21·2**	− 18·8	−13·0	−10·0	− 6·4	− 7·2	−10·6	− 2·6	− 0·2	+ 3·4	− 0·8
Dec.	+ 5·6	+ 7·6	+ 8·6	+11·8	**+16·4**	+12·8	+ 9·2	+ 8·0	+ 6·0	+ 2·2	− 6·0	−11·2	−11·8	− 7·4	− 7·2	− 4·8	**−12·0**	− 5·4	− 1·6	− 5·4	− 6·2	− 5·6	− 5·4	− 1·4
Year	**+14·0**	+11·8	+12·7	+12·1	+12·2	+10·0	+ 4·1	− 2·5	−10·0	−17·3	−21·8	**−22·6**	−19·4	− 15·6	− 11·4	− 6·7	− 0·4	+ 5·5	+ 9·0	+ 9·9	+ 7·0	+ 6·9	+ 5·6	+ 5·6
Winter	+ 9·6	+11·3	+ 7·8	+ 9·8	+13·1	**+15·3**	+10·1	+ 9·0	+ 5·8	+ 1·5	− 4·7	−10·6	−11·2	− 8·8	− 12·3	**−11·6**	− 9·9	− 6·3	− 3·5	− 5·6	− 6·3	− 0·3	− 2·9	− 1·4
Equinox	+16·4	+12·7	+16·3	**+16·6**	+15·3	+11·1	+ 6·4	+ 0·1	−11·0	−21·8	−28·4	**−30·0**	−24·7	− 19·7	− 14·3	− 8·5	− 0·1	+ 0·7	+ 4·7	+ 9·2	+10·0	+ 9·9	+13·6	+13·8
Summer	+16·2	+11·5	+14·0	+ 9·8	+ 8·1	+ 3·7	− 4·3	−16·6	−24·8	−31·6	**−32·3**	−27·3	−22·2	− 18·3	− 7·7	+ 0·1	+ 8·9	+22·1	+25·7	**+26·1**	+17·4	+11·1	+ 5·9	+ 4·6

TABLE VII.—*continued.*—MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY.

International Disturbed Days.

NORTH COMPONENT.

Month and Season, 1936.	Universal Time. Hour commencing— 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 7·2	+ 7·4	+ 5·1	+ 3·2	+10·6	**+15·7**	+13·0	+11·8	+ 9·2	+ 3·6	− 3·9	− 6·4	−11·2	− 9·8	−12·7	**−13·0**	− 5·9	− 5·2	− 7·9	− 9·6	−10·3	+ 7·1	− 2·6	+ 3·3
Feb.	+10·3	**+18·7**	+11·2	+15·2	+ 9·3	+ 9·0	+ 6·0	+ 5·6	+ 2·7	+ 4·5	+ 2·3	−13·6	−10·7	− 9·2	−21·6	**−23·2**	−16·6	−12·5	+ 2·6	+ 2·4	− 2·7	+ 8·1	+ 1·6	+ 0·1
Mar.	**+20·3**	+12·4	+14·4	+13·8	+11·9	+10·2	+ 4·1	+ 7·2	− 1·8	−12·9	−22·9	**−27·9**	−22·5	−23·6	−18·4	−12·3	− 6·6	− 6·0	+ 4·7	+12·5	+ 6·6	+10·8	+10·9	+14·5
Apr.	+15·2	+11·4	+21·3	+15·7	+11·6	+ 1·2	− 4·9	−17·3	−25·3	−33·9	−35·1	−36·2	**−38·8**	−31·9	−16·1	− 9·3	+ 8·5	+17·2	+24·2	**+28·0**	+24·6	+19·9	**+25·2**	+26·3
May	+18·7	+ 8·7	+10·3	+ 8·1	+ 8·5	+ 7·2	+ 0·5	−12·0	−19·9	−22·5	−30·8	−27·1	**−32·7**	−27·7	−21·3	−11·9	+ 7·7	+18·6	+28·3	**+35·5**	+23·3	+16·3	+ 8·6	+ 7·0
June	+22·8	+26·7	+26·7	+17·0	+ 5·7	+ 7·2	− 8·2	−24·6	−33·0	**−46·5**	−46·1	−40·6	−28·0	−28·8	−23·6	− 6·3	+ 6·1	+26·4	**+38·2**	+34·4	+29·6	+17·9	+15·1	+10·8
July	+19·6	+13·3	**+21·8**	+15·7	+15·3	+ 7·4	+ 8·9	+ 1·4	− 9·0	−22·5	−26·8	−28·6	**−32·1**	−28·1	− 6·3	− 0·2	− 5·7	+ 8·5	+15·3	+16·0	+ 6·1	+ 6·1	− 0·9	+ 2·7
Aug.	+12·6	+ 9·0	+ 7·8	+ 8·3	+16·4	+11·5	+ 1·9	− 5·1	−16·0	−22·0	−25·7	**−27·4**	−23·9	−21·8	−14·4	− 8·9	+ 6·2	+20·7	+14·5	**+21·0**	+17·2	+ 9·8	+ 5·5	+ 4·9
Sept.	+22·7	+20·9	+17·8	+21·1	**+23·2**	+19·3	+12·3	+ 7·6	− 0·8	−11·8	−28·1	−36·2	**−36·3**	−31·2	−30·3	−17·8	− 9·7	− 5·3	− 0·5	+ 5·5	+ 8·3	+10·0	+17·7	+15·8
Oct.	+19·9	+23·5	+27·6	**+30·8**	+23·9	+21·2	+21·1	+15·1	+ 0·6	−17·7	−30·3	**−38·8**	−32·2	−30·0	−25·5	−18·2	− 9·5	−10·4	−10·7	− 2·6	+ 5·9	+ 7·8	+11·7	+13·5
Nov.	+24·8	+20·4	+14·4	+15·6	+18·0	**+25·4**	+13·5	+11·0	+ 5·1	− 5·2	−14·2	−20·3	−25·1	**−27·3**	−24·3	−18·6	−13·6	− 7·2	− 6·8	− 9·2	+ 1·7	+ 6·3	+ 8·1	+ 4·1
Dec.	+ 8·4	+ 9·3	+10·5	+11·7	**+15·0**	+10·7	+ 8·6	+ 7·7	+ 7·0	+ 4·3	− 4·7	−11·9	**−14·3**	−11·0	−10·1	− 7·5	−12·4	− 6·2	− 2·0	− 5·8	− 5·3	− 2·8	− 2·5	+ 0·7
Year	**+16·9**	+15·1	+15·7	+14·7	+14·1	+12·2	+ 6·4	+ 0·7	− 6·8	−15·2	−22·2	**−26·3**	−25·7	−23·4	−18·7	−12·3	− 4·3	+ 3·2	+ 8·3	+10·7	+ 8·8	+ 9·8	+ 8·2	+ 8·6
Winter	+12·7	+14·0	+10·3	+11·4	+13·2	**+15·2**	+10·3	+ 9·0	+ 6·0	+ 1·8	− 5·1	−13·1	−15·3	−14·3	**−17·2**	−15·6	−12·1	− 7·8	− 3·5	− 5·6	− 4·2	+ 4·7	+ 1·2	+ 2·1
Equinox	+19·5	+17·1	+20·3	**+20·4**	+17·7	+13·0	+ 8·2	+ 3·2	− 6·8	−19·1	−29·1	**−34·8**	−32·5	−29·2	−22·6	−14·4	− 4·3	− 1·1	+ 4·4	+10·9	+11·4	+12·1	+16·4	+17·5
Summer	+18·4	+14·4	+16·7	+12·3	+11·5	+ 8·3	+ 0·8	−10·1	−19·5	−28·4	**−32·4**	−30·9	−29·2	−26·6	−16·4	− 6·8	+ 3·6	+18·6	+24·1	**+26·7**	+19·1	+12·5	+ 7·1	+ 6·4

WEST COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	−18·7	−18·8	−10·7	− 7·3	− 2·4	− 7·6	− 5·4	− 0·3	− 0·4	+ 1·9	+ 6·5	+16·0	+16·6	**+25·4**	+24·0	+16·3	+12·3	+ 8·9	+ 1·3	+ 6·4	− 7·3	**−20·6**	−18·9	−17·6
Feb.	−14·2	−11·0	−19·2	−20·3	−14·2	− 7·6	− 4·8	+ 1·3	+ 5·3	+ 8·6	+10·1	+16·2	+27·8	**+35·6**	+29·4	+19·5	+ 9·8	+10·9	− 0·0	− 2·3	−10·6	**−30·4**	−23·5	−16·2
Mar.	−14·1	−19·5	−17·9	−19·2	−18·6	−12·7	− 3·7	−10·0	−19·0	−14·6	− 2·4	+19·3	+35·9	**+45·2**	+43·6	+34·1	+22·9	+13·0	+ 0·4	− 7·7	− 1·1	−10·5	−16·2	**−27·8**
Apr.	−12·9	−27·5	**−31·7**	−27·4	−17·6	−17·5	−18·7	−28·1	−22·9	−13·3	+ 3·6	+25·1	+44·8	**+54·1**	+49·3	+37·3	+33·8	+14·5	+ 5·8	−10·9	− 4·1	−14·2	− 6·0	−15·2
May	− 4·2	− 8·3	− 6·9	−12·3	−16·0	−20·8	−28·1	**−36·9**	−31·2	−20·4	− 1·6	+25·3	+38·0	**+44·5**	+41·8	+28·8	+21·9	+14·6	+ 5·6	−12·3	− 5·5	− 2·2	− 4·8	− 8·8
June	−11·3	−11·2	− 7·4	− 4·6	−12·7	−19·7	−17·3	**−29·0**	−23·8	−20·0	− 4·8	+10·6	+28·6	**+33·4**	+31·3	+27·3	+22·8	+19·3	+14·6	+ 1·0	− 6·6	− 7·0	− 3·5	−10·4
July	−14·3	−18·4	−14·9	−14·8	−16·0	−23·2	−27·7	**−38·7**	−34·0	−20·9	− 8·6	+ 4·3	+25·2	+36·7	**+55·8**	+50·3	+40·0	+26·3	+13·3	+ 5·6	− 1·0	− 8·0	− 9·4	−10·1
Aug.	− 7·9	−15·0	−18·2	−14·0	−18·6	−26·4	−28·2	**−29·2**	−24·9	−15·2	+ 2·9	+20·2	+37·0	**+41·8**	+38·5	+29·8	+23·8	+18·5	+ 8·2	+ 4·3	−13·5	− 5·9	− 2·9	− 4·1
Sept.	− 9·5	−14·3	−11·4	− 8·4	− 9·8	−10·6	−17·5	−21·3	**−30·3**	−24·2	− 6·5	+17·4	+32·9	**+47·1**	+38·8	+24·0	+16·6	+ 7·2	+ 2·3	− 2·9	− 3·8	− 2·7	− 9·5	− 6·6
Oct.	**−19·5**	−19·3	−11·5	−11·0	+ 5·0	+ 7·4	+ 7·8	− 1·9	−15·1	−10·1	+ 7·6	+21·3	+28·8	**+31·9**	+24·9	+17·0	+ 9·6	+ 1·1	− 2·5	− 8·5	−13·8	−13·3	−17·1	−19·4
Nov.	−11·5	−10·2	− 7·5	− 2·6	+10·8	+10·8	+ 6·7	− 0·6	− 2·8	− 6·5	− 2·7	+10·4	+18·9	**+27·7**	+25·0	+26·2	+16·5	+ 3·1	− 2·7	− 8·0	−21·3	**−32·1**	−22·9	−24·3
Dec.	−13·4	− 7·7	− 8·2	+ 1·7	+ 8·7	+11·9	+ 4·1	+ 2·5	− 6·5	−10·2	− 6·8	+ 2·3	+11·3	**+17·0**	+13·4	+12·7	+ 0·8	+ 3·3	+ 2·0	+ 1·5	− 4·9	−14·4	**−14·9**	−10·3
Year	−12·6	−15·1	−13·8	−11·7	− 8·5	− 9·7	−11·1	−16·0	**−17·1**	−12·0	− 0·2	+15·7	+28·8	**+36·7**	+34·7	+26·9	+19·2	+11·7	+ 4·0	− 2·8	− 7·8	−13·4	−12·5	−14·2
Winter	−14·5	−11·9	−11·4	− 7·1	+ 0·7	+ 1·9	+ 0·2	+ 0·7	− 1·1	− 1·6	+ 1·8	+11·2	+18·7	**+26·4**	+23·0	+18·7	+ 9·9	+ 6·6	+ 0·2	− 0·6	−11·0	**−24·4**	−20·1	−17·1
Equinox	−14·0	−20·2	−18·1	−16·5	−10·3	− 8·4	− 8·0	−15·3	**−21·8**	−15·6	+ 0·6	+20·8	+35·6	**+44·6**	+39·2	+28·1	+20·7	+ 9·0	+ 1·5	− 7·5	− 5·7	−10·2	−12·2	−17·3
Summer	− 9·4	−13·2	−11·9	−11·4	−15·8	−22·5	−25·3	**−33·5**	−28·5	−19·1	− 3·0	+15·1	+32·2	+39·1	**+41·9**	+34·1	+27·1	+19·7	+10·4	− 0·4	− 6·6	− 5·8	− 5·2	− 8·4

VERTICAL COMPONENT.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 2·2	− 1·0	− 2·0	− 2·6	− 6·4	− 8·2	− 9·0	− 9·0	− 8·8	**− 9·4**	− 8·4	− 8·8	− 9·2	− 4·4	+ 2·2	+ 4·6	+ 7·4	+ 6·4	+ 9·8	+12·4	**+16·0**	+12·8	+ 9·0	+ 5·2
Feb.	+ 1·3	− 4·7	− 6·7	− 6·7	− 8·1	− 7·7	− 8·3	− 8·5	− 8·1	− 9·7	−12·1	**−14·7**	−12·7	− 8·1	− 0·3	+11·5	+18·7	+19·5	**+19·9**	+11·3	+13·7	+ 7·9	+ 6·9	+ 5·7
Mar.	− 2·7	− 3·5	− 7·7	− 7·7	− 9·7	− 7·3	− 6·9	− 5·1	− 3·9	− 8·5	−12·7	**−18·3**	−15·3	− 6·9	+ 2·9	+10·5	+18·7	**+21·3**	+21·1	+17·5	+13·5	+ 7·7	+ 3·3	− 0·7
Apr.	**−26·9**	−21·9	−15·1	−17·7	−17·1	−10·9	− 6·9	− 3·3	− 5·9	−10·1	−16·3	−18·3	−12·5	+ 1·3	+17·5	+22·9	+28·1	**+38·7**	+38·5	+31·3	+17·3	+ 8·5	− 3·3	−18·5
May	+ 0·2	− 4·0	− 3·2	− 2·8	+ 0·2	− 0·4	− 0·6	− 4·2	− 8·2	−14·8	−21·6	**−25·6**	−20·8	− 6·2	+ 3·2	+13·0	+18·8	**+20·8**	+20·4	+17·8	+12·4	+ 5·0	+ 0·8	− 1·4
June	− 1·7	− 0·5	− 2·3	− 9·9	−18·3	−17·1	−18·3	−17·7	−19·1	**−19·7**	−17·3	−17·5	− 7·5	+ 3·9	+13·3	+19·9	+21·1	**+22·7**	+21·3	+20·1	+17·9	+12·3	+ 8·5	+ 6·1
July	−11·2	−14·8	−14·4	−10·8	− 4·6	− 4·2	− 2·8	− 5·2	−10·6	−14·4	−20·8	**−21·2**	−15·6	− 6·2	+11·4	+26·4	+27·0	+31·8	**+32·6**	+24·2	+12·0	+ 6·2	− 2·2	− 7·8
Aug.	− 1·4	− 2·8	− 2·8	− 2·0	− 1·8	− 1·4	− 1·0	− 1·8	− 5·2	−10·2	−14·6	**−17·4**	−16·4	−12·0	− 3·0	+ 3·4	+ 8·8	+15·0	+15·6	**+16·4**	+13·0	+ 8·6	+ 6·8	+ 6·4
Sept.	− 0·8	− 3·2	− 3·2	− 3·8	− 4·4	− 5·4	− 2·8	− 0·4	− 1·2	− 6·8	−14·2	**−17·2**	−14·4	− 8·0	0·0	+10·2	**+14·6**	+14·4	+12·6	+10·8	+ 9·6	+ 6·8	+ 4·8	+ 1·8
Oct.	− 8·8	−13·8	−19·6	−20·0	**−20·4**	−17·6	−12·8	− 8·8	− 9·6	−11·0	−11·8	− 9·4	− 4·6	+ 2·8	+ 9·4	+17·8	+23·6	+26·8	**+28·6**	+22·6	+17·4	+11·2	+ 5·0	− 1·0
Nov.	− 5·8	−10·8	−10·2	−10·6	−13·4	**−17·2**	−15·2	−11·6	−10·0	−11·0	−10·8	− 8·0	− 4·0	+ 3·2	+10·2	+14·4	+16·8	**+19·4**	+18·6	+17·8	+13·0	+10·8	+ 6·4	+ 4·4
Dec.	− 2·8	− 5·2	− 8·6	− 9·2	−11·4	**−13·2**	−11·2	− 8·2	− 7·0	− 7·8	− 7·4	− 4·6	− 2·2	+ 5·8	+ 9·2	+11·2	**+12·8**	+11·6	+ 9·4	+ 8·2	+ 9·2	+ 9·0	+ 8·2	+ 5·4
Year	− 4·9	− 7·2	− 8·0	− 8·7	− 9·6	− 9·2	− 8·0	− 7·0	− 8·1	−11·1	−14·0	**−15·1**	−11·3	− 2·9	+ 6·3	+13·8	+18·0	**+20·7**	**+20·7**	+17·5	+13·8	+ 8·9	+ 4·5	+ 0·5
Winter	− 1·3	− 5·4	− 6·9	− 7·3	− 9·8	**−11·6**	−10·9	− 9·4	− 8·5	− 9·5	− 9·7	− 9·0	− 7·0	− 0·9	+ 5·3	+10·4	+13·9	+14·2	**+14·4**	+12·4	+13·0	+10·1	+ 7·6	+ 5·2
Equinox	− 9·8	−10·6	−11·4	−12·3	−12·9	−10·3	− 7·4	− 4·4	− 5·2	− 9·1	−13·8	**−15·8**	−11·7	− 2·7	+ 7·5	+15·4	+21·3	**+25·3**	+25·2	+20·6	+14·5	+ 8·6	+ 2·5	− 4·6
Summer	− **3·5**	− 5·5	− 5·7	− 6·4	− 6·1	− 5·8	− 5·7	− 7·2	−10·8	−14·8	−18·6	**−20·4**	−15·1	− 5·1	+ 6·2	+15·7	+18·9	**+22·6**	+22·5	+19·6	+13·8	+ 8·0	+ 3·5	+ 0·8

TABLE VIII.—HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC INTENSITY.

Values of a_n, b_n, in the Series Σ ($a_n \cos nt + b_n \sin nt$), t being reckoned in hours from O^h U.T. and converted into arc at the rate of 15° to each hour.

Month and Season.	North Component.								West Component.								Vertical Component.							
	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4
"ALL" DAYS.																								
1936.	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
Jan.	+ 5·3	+ 3·2	− 3·2	− 1·1	+ 1·3	− 0·8	+ 0·5	+ 0·4	−10·4	− 4·1	+ 0·1	+ 3·8	− 1·0	− 0·8	+ 0·6	+ 0·4	+ 2·1	− 4·3	− 1·3	− 0·5	+ 0·2	− 0·3	− 0·4	− 0·1
Feb.	+ 5·3	+ 5·6	− 0·7	− 1·6	+ 0·6	− 0·0	− 0·8	+ 1·2	−12·8	− 5·9	+ 1·4	+ 4·5	− 1·0	− 1·3	+ 1·0	+ 2·4	+ 4·5	− 5·8	− 4·0	− 0·5	+ 1·5	+ 0·1	− 0·3	− 0·4
Mar.	+12·1	+ 3·7	− 5·7	− 3·7	+ 1·9	+ 0·5	− 1·0	+ 0·8	−10·6	−12·8	+ 2·9	+10·3	− 2·5	− 6·7	+ 1·7	+ 2·5	+ 5·7	− 4·6	− 6·2	− 1·4	+ 3·2	+ 0·5	− 1·2	− 0·0
Apr.	+18·6	− 0·8	− 9·8	− 2·3	+ 2·9	+ 0·3	− 0·2	+ 0·6	−11·3	−16·1	+ 5·8	+13·9	− 2·6	− 6·6	+ 2·7	+ 0·9	+ 6·4	− 7·5	−10·6	− 1·5	+ 2·7	+ 0·8	− 1·1	+ 0·6
May	+19·2	− 6·4	−10·1	+ 0·2	+ 0·3	+ 1·3	+ 1·6	+ 0·2	− 7·8	−19·3	+10·1	+12·5	− 5·3	− 3·7	+ 1·7	− 0·3	+ 8·1	− 6·0	− 9·7	+ 0·3	+ 3·0	− 0·5	− 0·4	+ 0·5
June	+22·0	− 7·2	−11·9	+ 0·2	+ 0·3	+ 0·9	+ 1·2	+ 0·6	− 5·4	−21·8	+ 5·7	+11·7	− 3·4	− 3·3	+ 0·2	+ 0·1	+ 7·4	− 6·8	− 7·9	− 0·4	+ 2·4	− 0·1	− 0·7	+ 0·6
July	+18·7	− 5·4	−10·6	+ 2·2	+ 0·7	− 0·7	+ 1·3	+ 0·7	− 5·3	−21·3	+ 6·2	+13·2	− 3·3	− 3·8	+ 0·8	− 0·3	+ 4·7	− 6·8	− 8·9	− 0·1	+ 2·8	+ 0·5	− 0·2	− 0·1
Aug.	+16·3	− 3·8	− 8·7	+ 0·7	+ 0·5	− 0·5	+ 1·0	+ 0·6	− 6·9	−18·0	+ 7·8	+10·0	− 4·0	− 3·6	+ 1·0	+ 1·0	+ 7·4	− 2·6	− 7·3	− 0·1	+ 2·9	− 0·5	− 0·6	+ 0·1
Sept.	+19·9	+ 1·1	− 8·2	+ 0·7	+ 2·1	− 2·3	− 0·2	+ 1·4	− 7·2	−14·9	+ 7·1	+10·7	− 5·5	− 6·0	+ 2·3	+ 1·9	+ 5·9	− 1·5	− 5·8	− 0·7	+ 3·3	+ 0·1	− 1·2	+ 0·4
Oct.	+17·2	+ 4·5	− 8·3	+ 0·2	+ 2·7	− 1·8	− 0·7	+ 1·0	− 8·4	− 9·3	+ 2·3	+ 9·9	− 4·6	− 4·6	+ 3·6	+ 1·4	+ 2·6	− 5·6	− 4·5	− 0·9	+ 2·7	− 0·3	− 0·8	+ 0·7
Nov.	+12·3	+ 3·2	− 6·4	− 3·4	+ 2·6	− 1·4	+ 0·3	− 0·0	− 8·1	− 6·4	− 0·8	+ 7·7	− 2·2	− 2·5	+ 1·6	+ 1·3	+ 0·9	− 5·7	− 2·3	− 0·6	+ 1·7	− 0·5	− 0·4	+ 0·1
Dec.	+ 6·6	+ 3·5	− 4·3	− 1·9	+ 2·1	− 0·5	+ 0·0	+ 0·4	− 5·6	− 4·4	− 1·1	+ 6·3	− 1·7	− 2·3	+ 1·3	+ 1·5	+ 1·3	− 4·5	− 1·7	− 0·3	+ 1·2	− 0·7	− 0·6	0·0
Year	+14·4	+ 0·1	− 7·3	− 0·8	+ 1·6	− 0·4	+ 0·3	+ 0·6	− 8·3	−12·8	+ 4·0	+ 9·6	− 3·1	− 3·8	+ 1·5	+ 1·1	+ 4·7	− 5·2	− 5·9	− 0·6	+ 2·3	− 0·1	− 0·7	+ 0·2
W.	+ 7·4	+ 3·8	− 3·6	− 2·0	+ 1·7	− 0·7	+ 0·0	+ 0·5	− 9·2	− 5·2	− 0·1	+ 5·6	− 1·5	− 1·7	+ 1·1	+ 1·4	+ 2·2	− 5·1	− 2·4	− 0·5	+ 1·1	− 0·3	− 0·5	− 0·1
Eq.	+17·0	+ 2·1	− 8·0	− 1·3	+ 2·6	− 0·8	− 0·5	+ 0·9	− 9·4	−13·3	+ 4·5	+11·2	− 3·8	− 6·0	+ 2·6	+ 1·7	+ 5·2	− 4·8	− 6·8	− 1·2	+ 3·0	+ 0·2	− 1·1	+ 0·4
S.	+19·0	− 5·7	−10·3	+ 0·8	+ 0·4	+ 0·3	+ 1·3	+ 0·5	− 6·3	−20·1	+ 7·4	+11·9	− 4·0	− 3·6	+ 0·8	+ 0·3	+ 7·0	− 5·6	− 8·6	− 0·1	+ 2·8	− 0·2	− 0·5	+ 0·3
INTERNATIONAL QUIET DAYS.																								
Year	+12·3	+ 0·1	− 7·4	− 0·9	+ 1·7	− 0·6	+ 0·2	+ 0·7	− 3·7	−11·8	+ 4·8	+ 8·9	− 3·5	− 3·9	+ 1·2	+ 1·0	+ 5·6	− 0·8	− 5·2	− 0·3	+ 2·3	+ 0·0	− 0·7	+ 0·3
W.	+ 6·2	− 0·2	− 3·8	− 2·0	+ 1·4	− 0·9	− 0·2	+ 0·8	− 4·6	− 4·5	+ 1·0	+ 4·3	− 1·6	− 1·9	+ 0·7	+ 0·9	+ 1·7	− 1·8	− 1·7	− 0·5	+ 1·0	− 0·2	− 0·4	+ 0·1
Eq.	+14·1	− 2·5	− 8·1	− 1·6	+ 2·8	− 0·7	− 0·5	+ 1·3	− 3·9	−11·1	+ 5·1	+10·2	− 4·1	− 5·6	+ 2·0	+ 1·7	+ 6·2	+ 0·2	− 5·1	− 0·6	+ 3·0	+ 0·1	− 1·1	+ 0·5
S.	+16·9	− 4·0	−10·3	+ 0·9	+ 1·1	− 0·3	+ 1·2	− 0·0	− 2·7	−20·0	+ 8·2	+12·3	− 4·8	− 4·2	+ 1·0	+ 0·5	+ 8·9	− 0·8	− 8·9	+ 0·2	+ 3·0	+ 0·0	− 0·6	+ 0·3
INTERNATIONAL DISTURBED DAYS.																								
Year	+18·8	+ 0·1	− 7·4	− 0·7	+ 0·5	+ 0·2	+ 0·5	+ 0·3	−16·1	−13·9	+ 3·0	+10·9	− 2·4	− 4·7	+ 2·0	+ 0·7	+ 3·2	−13·6	− 7·0	+ 0·2	+ 2·3	+ 0·4	− 1·0	+ 0·4
W.	+ 9·5	+ 7·5	− 2·7	− 2·9	+ 1·1	− 0·0	+ 0·3	− 0·3	−15·7	− 4·7	− 2·0	+ 7·1	− 1·1	− 2·7	+ 1·6	+ 2·1	+ 3·3	−11·4	− 2·6	+ 0·1	+ 1·6	+ 0·2	− 0·9	− 0·3
Eq.	+24·3	+ 2·8	− 7·9	− 0·2	+ 1·9	− 0·9	− 0·5	+ 0·1	−18·9	−14·7	+ 4·2	+11·3	− 3·3	− 8·0	+ 2·9	+ 0·9	+ 0·9	−15·9	− 9·3	− 1·4	+ 2·7	+ 0·7	− 1·2	+ 0·7
S	+22·6	− 9·6	−11·5	+ 1·2	− 1·6	+ 1·7	+ 1·9	+ 1·3	−13·8	−22·2	− 2·2	+11·9	− 2·7	− 3·4	+ 1·4	− 0·9	+ 5·3	−13·3	− 9·2	+ 1·9	+ 2·5	+ 0·2	− 0·8	+ 0·7

TABLE IX.—HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC INTENSITY.

Values of c_n, α_n, in the series Σ ($c_n \sin n\mathrm{T} + \alpha_n$), T being reckoned in hours from Midnight, Abinger Local Mean Time, and converted into arc at the rate of 15° to each hour. New phase-angles expressing the inequalities relative to apparent local time may be obtained from the tabulated angles by applying corrections α, 2α, 3α, 4α, respectively, where α has the following values :—

	° ′		° ′		° ′		° ′
January	+2 19	April	+0 4	July	+1 22	October	−3 28
February	+3 28	May	−0 51	August	+0 59	November	−3 42
March	+2 12	June	+0 5	September	−1 12	December	−1 6

	° ′
Winter	+0 12
Equinox	−0 36
Summer	+0 24

Month and Season.	North Component.								West Component.								Vertical Component.							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
"ALL" DAYS.																								
1936.	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	6·2	59·3	3·3	251·9	1·5	123·6	0·7	53·1	11·2	248·8	3·8	1·7	1·3	234·1	0·8	58·9	4·8	154·1	1·4	249·7	0·4	147·5	0·4	265·0
Feb.	7·6	43·8	1·8	204·8	0·6	92·2	1·4	326·0	14·1	246·3	4·7	17·5	1·6	217·7	2·6	23·5	7·4	142·3	4·0	263·4	1·5	88·2	0·6	219·8
Mar.	12·7	73·4	6·8	238·2	2·0	76·9	1·3	312·0	16·6	220·0	10·7	16·6	7·1	201·4	3·0	35·1	7·3	129·0	6·3	258·1	3·2	83·1	1·2	271·0
Apr.	18·6	93·3	10·1	257·9	2·9	85·5	0·6	343·7	19·7	215·6	15·0	23·6	7·1	202·5	2·8	72·4	9·9	139·8	10·7	262·6	2·9	75·3	1·2	300·8
May	20·2	108·8	10·1	272·0	1·3	13·9	1·7	83·5	20·8	202·4	16·1	39·7	6·5	236·4	1·8	102·3	10·1	126·9	9·7	272·6	3·1	100·5	0·7	323·9
June	23·1	108·4	11·9	271·9	0·9	22·4	1·3	66·8	22·4	194·3	13·0	26·7	4·7	226·6	0·3	57·8	10·0	133·0	7·9	241·8	2·4	94·1	0·9	313·2
July	19·4	106·6	10·9	282·4	1·0	135·0	1·4	62·3	21·9	194·5	14·6	25·9	5·0	222·6	0·9	112·2	8·2	145·8	8·9	270·2	2·9	81·2	0·2	249·3
Aug.	16·7	103·6	8·7	275·1	0·7	137·4	1·2	59·7	19·2	201·3	12·7	38·7	5·3	228·9	1·4	47·7	7·8	110·1	7·3	270·3	3·0	100·5	0·7	283·0
Sept.	19·9	87·3	8·3	275·5	3·1	139·0	1·4	354·1	16·5	206·3	12·8	34·2	8·1	223·8	3·0	51·7	6·1	104·9	5·8	264·0	3·3	89·4	1·3	288·9
Oct.	17·7	75·7	8·3	271·8	3·3	125·4	1·2	323·9	12·5	222·3	10·2	14·1	6·5	226·5	3·8	70·4	6·2	156·0	4·6	259·8	2·7	98·2	1·1	313·5
Nov.	12·7	75·9	7·2	242·6	3·0	118·9	0·3	100·6	10·3	232·0	7·7	354·6	3·3	222·4	2·1	52·2	5·8	171·1	2·4	257·5	1·8	108·5	0·4	289·9
Dec.	7·4	62·6	4·7	246·7	2·2	103·5	0·4	4·2	7·1	232·0	6·4	350·6	2·8	218·3	1·9	41·9	4·6	164·4	1·7	261·4	1·4	121·2	0·6	271·5
Year	14·4	90·0	7·4	264·3	1·7	105·8	0·7	24·4	15·3	213·3	10·3	23·3	4·9	220·5	1·9	54·9	7·0	137·8	5·9	265·5	2·3	93·7	0·7	289·4
W.	8·3	62·9	4·1	241·4	1·9	113·5	0·5	2·7	10·6	241·0	5·6	359·5	2·2	222·2	1·8	40·6	5·5	157·3	2·4	259·9	1·2	108·5	0·5	264·4
Eq.	17·1	83·2	8·1	261·7	2·7	108·2	1·1	332·5	16·3	215·6	12·1	22·8	7·1	213·6	3·1	57·9	7·1	133·4	6·9	261·1	3·0	86·6	1·1	293·1
S.	19·9	107·0	10·3	275·3	0·5	61·6	1·4	68·2	21·1	197·9	14·0	32·8	5·4	229·1	0·9	73·5	8·9	129·3	8·6	270·4	2·8	94·5	0·6	301·8
INTERNATIONAL QUIET DAYS.																								
Year	12·3	90·0	7·5	263·9	1·9	111·4	0·7	13·6	12·3	198·0	10·1	29·0	5·2	223·2	1·6	51·8	5·6	98·7	5·2	267·3	2·3	90·9	0·8	293·4
W.	6·2	92·3	4·3	242·4	1·6	123·3	0·8	345·7	6·4	225·8	4·4	13·6	2·5	221·4	1·2	39·2	2·5	137·4	1·8	254·5	1·1	102·2	0·4	278·3
Eq.	14·3	80·4	8·3	259·9	2·9	105·8	1·4	342·1	11·8	199·6	11·4	27·4	6·9	217·6	2·7	51·1	6·2	89·0	5·1	264·0	3·0	88·7	1·2	294·1
S.	17·4	103·7	10·4	275·7	1·1	108·7	1·2	92·0	20·2	188·0	14·8	34·6	6·4	230·2	1·1	65·2	9·0	95·7	8·9	271·9	3·0	90·8	0·7	300·4
INTERNATIONAL DISTURBED DAYS.																								
Year	18·8	90·1	7·4	265·5	0·5	65·1	0·6	59·3	21·3	229·7	11·2	16·1	5·3	207·9	2·1	71·8	13·9	167·3	7·0	272·4	2·3	81·8	1·0	292·9
W.	12·1	52·3	4·0	224·0	1·1	92·3	0·4	140·6	16·4	253·7	7·4	344·8	3·0	203·5	2·7	38·1	11·9	164·5	2·6	272·4	1·6	84·7	1·0	254·6
Eq.	24·5	83·9	7·9	269·3	2·1	115·8	0·5	277·1	24·0	232·6	12·1	21·4	8·7	203·8	3·0	76·1	15·9	177·1	9·4	262·4	2·8	76·9	1·4	302·0
S.	24·9	113·4	11·6	276·9	2·3	318·0	2·4	56·9	26·1	212·4	12·1	350·6	4·3	219·4	1·7	125·9	14·4	158·8	9·4	282·5	2·5	87·8	1·0	313·4

TABLE X.—RANGE OF MEAN DIURNAL INEQUALITIES for the MONTHS, YEAR and SEASONS of 1936.

Month and Season.	"All" Days.			Quiet Days.			Disturbed Days.			"All" Days.			Quiet Days.			Disturbed Days.		
	D.	I.	H.	D.	I.	H.	D.	I.	H.	N.	W.	V.	N.	W.	V.	N.	W.	V.
	′	′	γ	′	′	γ	′	′	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	5·55	0·98	15·3	4·00	1·11	17·8	8·98	2·43	25·4	18·4	28·3	10·3	19·5	20·1	6·4	28·7	46·0	25·4
February	6·78	1·31	14·5	3·92	0·49	8·4	12·62	2·84	35·0	18·3	35·2	20·2	11·7	20·2	13·0	41·9	66·0	34·6
March	10·38	1·13	24·6	7·94	1·02	20·6	14·66	2·40	40·6	30·9	52·5	26·9	25·9	40·0	16·4	48·2	73·0	39·6
April	12·95	2·11	41·4	13·10	2·03	41·2	17·54	4·20	61·2	46·1	66·9	40·0	46·3	66·0	29·0	66·8	85·8	65·6
May	13·47	2·40	49·0	14·26	2·49	46·4	15·36	3·15	62·8	49·3	70·6	38·9	46·8	74·7	36·2	68·2	81·4	46·4
June	12·03	3·05	58·3	12·04	2·70	51·2	11·48	4·86	(89·8)	56·6	64·1	33·8	48·9	64·3	33·2	84·7	62·4	42·4
July	12·35	2·74	52·0	11·56	2·38	45·2	17·44	3·01	46·4	49·7	66·6	32·7	44·4	62·6	28·0	53·9	94·5	53·8
August	11·34	2·13	41·3	11·76	2·28	42·4	13·62	2·54	48·6	41·4	59·4	27·6	40·8	61·2	29·0	48·4	71·0	33·8
September	11·99	2·47	43·0	11·30	2·58	43·6	15·18	3·19	52·8	45·7	63·3	21·9	43·6	58·2	24·2	59·5	77·4	31·8
October	9·59	2·44	39·1	9·58	2·19	37·6	11·28	4·48	61·8	43·7	49·0	19·9	39·6	49·1	16·0	69·6	51·4	49·0
November	6·50	1·91	28·8	4·78	1·28	22·0	12·10	3·89	48·2	32·1	31·1	13·9	24·4	23·1	9·4	52·7	59·8	36·6
December	4·83	1·23	19·2	4·76	1·05	17·2	6·24	2·62	28·4	21·2	24·7	10·9	19·1	24·7	6·8	29·3	31·9	26·0
Year	9·81	2·00	35·5	9·08	1·80	32·8	13·04	3·30	50·1	37·8	51·0	24·8	34·2	47·0	20·6	54·3	66·7	40·4
Winter	5·92	1·36	19·5	4·37	0·98	16·4	9·99	2·95	34·3	22·5	29·8	13·8	18·7	22·0	8·9	38·2	50·9	30·7
Equinox	11·23	2·04	37·0	10·48	1·96	35·8	14·67	3·57	54·1	41·6	57·9	27·2	38·7	53·3	21·4	61·0	71·9	46·5
Summer	12·30	2·58	50·2	12·41	2·46	46·3	14·48	3·39	61·9	49·3	65·2	33·3	45·2	65·7	31·6	63·8	77·3	44·1

TABLE XI.—NON-CYCLIC CHANGE ($24^h - 0^h$).

Month, 1936.	"All" Days.			Quiet Days.			Disturbed Days.		
	Declination West.	Horizontal Intensity.	Vertical Intensity.	Declination West.	Horizontal Intensity.	Vertical Intensity.	Declination West.	Horizontal Intensity.	Vertical Intensity.
	′	γ	γ	′	γ	γ	′	γ	γ
January	−0·06	−0·1	−0·1	−0·18	+0·6	−0·6	−0·84	− 3·2	+1·8
February	−0·04	+0·2	+0·1	+0·54	+3·8	−1·0	−0·24	− 6·8	+2·6
March	+0·05	+0·6	−0·1	+0·48	+5·0	−2·6	−2·86	− 4·8	−4·8
April	−0·08	+0·1	−0·1	+0·08	+6·2	−2·0	+0·56	+ 1·2	−1·8
May	+0·06	−0·3	+0·4	−0·16	+1·0	+0·7	+0·06	− 9·4	−1·6
June	−0·07	+0·2	+0·0	−0·02	+1·4	−0·4	+1·04	−12·2	+7·8
July	−0·03	−0·1	+0·1	+0·18	+4·6	−2·0	+0·08	−12·8	+0·4
August	−0·01	−0·3	+0·0	+0·18	+2·2	−1·4	−0·16	− 6·4	+6·0
September	−0·08	+0·1	−0·1	+0·56	+7·0	−2·6	+0·68	− 8·2	+2·2
October	+0·02	−1·0	+0·7	+0·12	+1·2	−1·2	+1·08	− 8·8	+6·0
November	−0·08	+0·2	−0·1	−0·16	+0·4	−1·0	−1·04	−23·0	+7·2
December	0·00	+0·4	+0·1	+0·38	+5·0	−2·8	+0·18	−10·0	+4·8
Year 1936	—	—	—	+0·17	+3·2	−1·4	−0·12	− 8·7	+2·6

TABLE XII.—MEAN MONTHLY AND ANNUAL VALUES of TERRESTRIAL MAGNETIC ELEMENTS at the ABINGER MAGNETIC STATION.

Month, 1936.	Declination (West).	Inclination.	Horizontal Intensity.	North Intensity.	West Intensity.	Vertical Intensity.	Total Intensity.
	° ′	° ′					
January	11 24·4	66 41·8	·18522	·18156	·03663	·43000	·46820
February	11 23·5	66 41·8	·18521	·18156	·03658	·42999	·46819
March	11 22·6	66 41·5	·18525	·18161	·03654	·42996	·46817
April	11 22·1	66 41·9	·18520	·18156	·03651	·42999	·46816
May	11 21·4	66 41·4	·18528	·18165	·03648	·42999	·46821
June	11 20·3	66 41·5	·18528	·18166	·03643	·43005	·46826
July	11 19·6	66 41·7	·18528	·18167	·03639	·43011	·46832
August	11 18·8	66 41·3	·18531	·18171	·03635	·43005	·46827
September	11 18·1	66 41·8	·18525	·18166	·03630	·43008	·46828
October	11 17·6	66 42·4	·18519	·18161	·03627	·43015	·46832
November	11 16·2	66 42·8	·18517	·18160	·03619	·43022	·46837
December	11 15·4	66 42·2	·18525	·18168	·03616	·43023	·46842
Year 1936	11 20·0	66 41·8	·18524	·18163	·03640	·43007	·46826

TABLE XIII.—DAILY MEAN VALUE OF THE BASE-LINE OF THE DECLINATION MAGNETOGRAMS AT ABINGER MAGNETIC STATION.

1936 Day	January	February	March	April	May	June	July	August	September	October	November	December
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	II. 16·2	II. 16·4	II. 15·1	II. 17·7	II. 13·4	II. 13·1	II. 4·5	II 3·9	II. 4·7	II. 2·2	II. 1·7	10. 58·5
2	16·3	16·6	15·0	17·9 / 18·7	13·4	13·3	4·3	4·0	4·7	2·7	1·3	58·6
3	16·3	16·5	15·2	18·6	13·2	13·5	4·3	4·2	4·7	2·3	1·5	58·6
4	16·1	15·9	15·1	17·8	13·1	13·4	4·2	3·8	4·8	2·0	1·5	58·7
5	16·1	15·5	15·5	17·1	13·4	13·5	4·1	3·7	4·6	2·0	1·5	58·1
6	16·0	15·7	15·5	16·9	13·9	13·4	4·3	4·1	4·2	1·3	1·6	57·6
7	16·3	15·3	15·4	16·5	13·9	14·1	4·4	4·2	4·1	1·2	1·6	57·0
8	16·1	15·2	15·7	16·6	14·2	14·3	4·9	4·2	3·6	1·3	1·6	56·7
9	16·5	15·1	15·7	16·5	14·0	14·3	4·2	4·2	3·9	1·1	1·4	56·5
10	16·6	14·7	16·1	16·5	14·3	14·6	4·2	4·4	3·8	1·1	1·4	56·5
11	16·6	14·6	16·1	16·5	14·3	14·8	4·1	4·4	4·1	0·9	1·0	56·0
12	16·7	14·5	16·3	16·1	14·4	14·8	3·6	4·4	4·2	1·1	1·4	55·9
13	16·3	14·6	15·8	16·1	14·4	15·0	4·0	4·2	4·6	1·4	1·4	56·0
14	15·9	14·1	15·5	15·9	14·1	14·9	4·0	4·3	4·3	1·4	1·2	56·3
15	15·1	14·1	15·5	15·9	14·3	14·7	3·9	3·9	4·1	2·2	0·8	56·7
16	15·5	14·3	15·4	16·0	14·5	14·5	3·9	4·3	3·7	2·7	1·4	56·7
17	15·4	14·8	15·5	12·2	14·6	14·6	4·0	4·6	3·7	2·7	1·5	56·9
18	15·1	15·0	15·5	11·9	15·1	14·9	4·0	4·7	3·7	2·9	1·4	57·4
19	15·1	15·5	15·4	12·2	15·7	15·4	4·2	4·5	3·2	2·4	1·4	57·6
20	15·4	15·5	15·8	12·0	15·3	15·6	3·9	4·7	3·3	2·0	1·4	57·5
21	15·7	15·6	16·0	12·0	14·3	16·1	3·9	4·7	3·4	1·9	0·9	57·5
22	15·4	15·3	16·2	12·1	13·7	16·1	3·7	4·5	3·7	2·2	0·8	57·5
23	15·4	15·7	16·3	12·0	13·8	16·2	3·7	4·3	3·6	2·1	0·5	58·1
24	15·3	15·2	16·5	12·2	13·6	16·3	4·1	4·2	3·8	2·1	0·2	57·9
25	15·5	15·4	17·2	12·6	13·9	16·2	3·9	4·7	4·8	2·3	10. 59·8	58·1
26	15·6	15·3	17·2	13·3	14·2	16·4	3·8	5·0	4·9	1·8	59·7	57·9
27	15·8	15·3	17·0	13·3	14·5	16·3	3·6	4·6	3·8	1·9	59·9	57·9
28	16·0	15·2	17·0	13·1	14·2	16·1	3·5	4·7	2·9	1·1	II. 0·0	57·5
29	16·2	15·1	17·2	13·3	13·6	16·0	3·8	4·4	2·2	0·9	0·0	57·7
30	16·4		17·4	13·4	13·6	16·1 / 4·3	3·9	4·7	1·9	1·4	II. 0·2 / 10. 58·5	58·5
31	16·6		17·7		13·4		3·7	4·8		1·8		58·2

TABLE XIV.—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE of HORIZONTAL INTENSITY from OBSERVATIONS made with the SCHUSTER-SMITH COIL MAGNETOMETER in the MAGNETIC PAVILION at ABINGER, with the DEDUCED VALUES of the BASE-LINE of the HORIZONTAL INTENSITY MAGNETOGRAMS.

U.T., 1936.	No. of Obs.	Observed Horizontal Intensity.	Deduced Value of Base Line.
		γ	γ
Jan. 1. 16 49–17 5	8	18526	18692
2. 12 53–13 4	8	18522	12692
3. 16 58–17 4	4	18523	18693
4. 12 43–12 57	8	18524	18693
6. 16 34–16 47	8	18528	18692
7. 12 41–12 54	8	18528	18693
8. 12 47–13 0	8	18495	18693
9. 12 55–13 12	10	18521	18692
10. 12 38–12 53	8	18515	18692
11. 12 29–12 44	8	18514	18691
13. 15 13–15 24	8	18490	18690
14. 10 41–10 52	8	18506	18690
15. 16 15–16 28	8	18524	18692
16. 13 4–13 20	10	18523	18692
17. 12 40–12 53	8	18520	18692
18. 12 42–12 55	8	18491	18692
20. 15 32–15 43	8	18521	18690
21. 10 41–10 52	8	18529	18690
22. 10 47–11 0	8	18519	18692
23. 9 41–9 53	8	18517	18692
24. 10 23–10 37	8	18523	18692
25. 10 25–10 36	8	18499	18692
27. 12 51–13 6	8	18523	18691
28. 12 37–12 49	8	18513	18692
29. 12 59–13 13	8	18523	18691
30. 13 14–13 25	8	18510	18692
31. 9 31–9 48	10	18507	18689
Feb. 1. 12 59–13 12	8	18521	18691
3. 15 58–16 11	8	18524	18692
4. 14 48–15 5	8	18509	18691
5. 15 19–15 38	10	18523	18692
6. 10 52–11 2	8	18526	18692
7. 15 27–15 40	8	18525	18693
8. 9 46–9 58	8	18531	18692
10. 14 32–14 43	8	18526	18693
11. 10 53–11 6	8	18518	18693
12. 11 10–11 22	8	18518	18692
13. 10 42–10 57	10	18532	18693
14. 11 26–11 37	8	18525	18693
15. 10 27–10 39	8	18525	18695
17. 10 54–11 6	8	18498	18692
18. 12 44–12 58	8	18506	18693
19. 9 53–10 5	8	18527	18692
20. 11 32–11 45	8	18515	18691
21. 10 56–11 10	8	18513	18692
22. 10 56–11 10	8	18512	18692
24. 14 25–14 38	8	18525	18692
25. 11 24–11 37	8	18521	18692
26. 11 53–12 3	8	18500	18691
27. 11 31–11 43	8	18516	18692
28. 11 10–11 24	8	18507	18691
29. 10 55–11 8	8	18517	18692
Mar. 2. 11 23–11 34	8	18511	18691
3. 11 31–11 46	8	18526	18691
4. 12 52–13 3	8	18523	18691
5. 11 7–11 18	8	18530	18691
Mar. 6. 10 52–11 5	8	18521	18691
7. 10 50–11 2	8	18524	18693
9. 10 54–11 6	8	18520	18691
10. 10 27–10 40	8	18521	18691
11. 10 19–10 41	8	18522	18691
12. 11 5–11 21	10	18524	18692
13. 10 47–11 1	8	18523	18690
14. 11 10–11 24	8	18527	18692
16. 10 18–10 34	8	18513	18691
17. 12 17–12 32	8	18515	18691
18. 12 53–13 6	8	18513	18691
19. 12 41–12 52	8	18504	18691
20. 15 51–16 5	8	18506	18691
21. 12 39–12 51	8	18501	18692
23. 16 20–16 34	8	18513	18690
24. 12 27–12 40	8	18502	18690
25. 14 41–14 56	8	18502	18689
26. 16 38–16 49	8	18518	18690
27. 12 36–12 48	8	18487	18691
28. 12 46–12 59	8	18487	18690
30. 14 47–15 0	8	18517	18691
31. 11 50–12 1	8	18492	18690
April 1. 11 12–11 30	10	18513	18690
2. 10 51–11 3	8	18499	18690
2. 16 5–16 20	8	18519	18712
3. 10 53–11 6	8	18505	18713
4. 11 6–11 19	8	18491	18713
6. 18 3–18 10	4	18541	18714
7. 11 48–12 0	8	18490	18714
8. 13 2–13 16	8	18497	18714
9. 10 39–10 54	8	18500	18715
14. 11 32–11 47	8	18502	18715
15. 11 5–11 18	8	18489	18716
16. 12 54–13 10	10	18493	18716
17. 10 59–11 9	8	18481	18699
18. 11 44–11 56	8	18482	18699
20. 11 44–11 57	8	18478	18700
21. 11 39–11 52	8	18478	18700
22. 10 9–10 28	10	18458	18699
23. 10 1–10 14	8	18471	18700
24. 9 58–10 10	8	18489	18700
25. 9 42–9 54	8	18486	18700
27. 14 38–14 52	8	18515	18700
28. 9 55–10 8	8	18521	18700
29. 11 10–11 25	10	18497	18700
30. 9 48–10 2	8	18508	18699
May 1. 9 39–9 52	8	18511	18700
2. 9 37–9 49	8	18515	18699
4. 15 22–15 34	8	18501	18700
5. 10 19–10 31	8	18503	18700
6. 14 15–14 26	8	18520	18700
7. 15 45–15 58	8	18493	18698
8. 10 38–10 51	8	18500	18697
May 9. 10 31–10 44	8	18503	18697
11. 15 19–15 33	8	18522	18698
12. 11 57–12 9	8	18471	18698
13. 11 37–11 50	8	18493	18695
14. 11 50–12 3	8	18506	18697
15. 9 57–10 10	8	18510	18696
16. 9 43–9 56	8	18492	18695
18. 15 8–15 23	8	18524	18719
19. 8 55–9 6	8	18492	18720
20. 10 7–10 21	8	18506	18720
21. 11 17–11 30	8	18489	18718
22. 9 36–9 47	8	18482	18721
23. 9 10–9 21	8	18495	18723
25. 9 54–10 6	8	18513	18722
26. 10 10–10 23	8	18493	18723
27. 11 36–11 49	8	18506	18723
28. 11 41–11 53	8	18508	18729
29. 8 35–8 48	8	18516	18723
15 13–15 28	8	18509	18725
30. 9 4–9 14	8	18514	18723
June 1. 11 6–11 12	4	18509	18727
2. 14 1–14 15	8	18515	18725
3. 9 46–9 58	8	18494	18724
4. 13 40–13 53	8	18506	18726
5. 10 15–10 27	8	18506	18725
6. 10 49–10 59	8	18502	18725
8. 11 35–11 49	8	18500	18724
9. 10 22–10 37	8	18483	18725
10. 9 55–10 9	8	18492	18725
11. 11 24–11 39	8	18509	18725
12. 10 28–10 43	8	18519	18724
13. 11 3–11 19	8	18505	18726
15. 19 44–20 10	8	18544	18725
16. 15 36–15 57	8	18540	18724
17. 10 14–10 25	8	18512	18724
18. 11 37–11 51	8	18496	18724
19. 14 6–14 21	8	18491	18723
20. 11 36–11 54	8	18475	18723
22. 17 1–17 14	8	18541	18721
23. 11 24–11 37	8	18481	18721
24. 11 54–12 5	8	18498	18720
25. 13 30–13 48	8	18513	18721
26. 11 42–11 54	8	18507	18721
27. 11 22–11 36	8	18506	18721
29. 15 25–15 37	8	18538	18721
30. 10 6–10 18	8	18512	18719
30. 11 43–11 52	6	18518	18637
July 1. 10 26–10 39	8	18510	18636
2. 9 47–9 59	8	18473	18635
3. 9 39–9 52	8	18494	18636
4. 9 14–9 26	8	18494	18637
6. 15 13–15 28	6	18531	18639
7. 9 52–10 2	8	18443	18636
8. 13 58–14 7	8	18538	18637
9. 9 5–10 8	11	18501	18637
10 23–10 33	8	18503	18635

April 2. Temperature raised to 16·0°.

May 18. Temperature raised to 21·0°.

TABLE XIV.—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE of HORIZONTAL INTENSITY from OBSERVATIONS made with the SCHUSTER-SMITH COIL MAGNETOMETER in the MAGNETIC PAVILION at ABINGER, with the DEDUCED VALUES of the BASE-LINE of the HORIZONTAL INTENSITY MAGNETOGRAMS—*continued*.

U.T., 1936.	No. of Obs.	Observed Horizontal Intensity.	Deduced Value of Base Line.
		γ	γ
July 10. 10 12–10 23	8	18521	18636
11. 8 30– 8 41	8	18468	18635
13. 10 24–10 37	8	18481	18636
13. 11 12–11 34	8	18484	18639
14. 13 36–13 48	8	18515	18640
15. 14 32–14 44	8	18534	18641
16. 9 55–10 8	8	18500	18639
17. 9 44– 9 57	8	18498	18639
18. 9 43– 9 57	8	18488	18639
20. 10 33–10 44	8	18486	18638
21. 11 43–11 53	8	18502	18640
22. 9 23– 9 44	8	18508	18639
23. 8 38– 8 49	8	18498	18640
24. 9 45– 9 55	8	18516	18638
15 10–15 19	6	18533	18640
25. 8 50– 9 0	8	18513	18639
27. 9 35– 9 47	8	18501	18638
28. 9 16– 9 25	8	18512	18640
14 30–14 42	8	18547	18642
29. 10 33–10 47	8	18530	18641
30. 9 41– 9 53	8	18501	18639
31. 9 43– 9 55	8	18486	18639
Aug. 1. 9 46– 9 58	8	18503	18638
4. 9 50–10 1	8	18496	18640
5. 9 33– 9 44	8	18515	18640
6. 9 31– 9 43	8	18494	18639
7. 9 31– 9 43	8	18501	18638
8. 9 45– 9 57	8	18509	18639
10. 10 51–11 1	8	18503	18640
11. 9 32– 9 44	8	18499	18638
12. 9 35– 9 47	8	18519	18639
13. 9 25– 9 41	8	18505	18637
14. 9 25– 9 43	8	18523	18637
15. 9 33– 9 44	8	18512	18637
17. 9 37– 9 47	8	18505	18638
18. 9 32– 9 46	8	18502	18637
19. 9 35– 9 47	8	18513	18637
20. 9 33– 9 45	8	18517	18638
21. 9 25– 9 42	8	18507	18637
22. 9 24– 9 44	8	18517	18637
24. 11 54–12 5	8	18516	18638
25. 9 36– 9 47	8	18505	18636
26. 9 38– 9 53	8	18523	18637
27. 9 34– 9 46	8	18515	18637
28. 8 56– 9 6	8	18514	18635
29. 9 26– 9 46	8	18518	18635
31. 11 23–11 37	8	18501	18635
Sept. 1. 9 42– 9 57	8	18490	18634
2. 9 37– 9 48	8	18482	18633
3. 9 35– 9 46	8	18484	18634
Sept. 4. 9 41– 9 51	8	18474	18635
5. 9 45– 9 56	8	18491	18634
7. 9 40– 9 50	8	18502	18635
8. 9 40– 9 52	8	18502	18636
9. 9 7– 9 17	8	18509	18635
10. 9 34– 9 45	8	18512	18636
11. 9 36– 9 48	8	18520	18638
12. 9 25– 9 40	8	18503	18634
14. 9 26– 9 42	8	18500	18635
15. 9 36– 9 47	8	18510	18636
16. 9 24– 9 41	8	18500	18635
17. 9 4– 9 15	8	18510	18635
18. 9 37– 9 48	8	18521	18635
19. 9 37– 9 48	8	18514	18636
21. 9 37– 9 48	8	18511	18635
22. 10 12–10 23	8	18505	18635
23. 9 59–10 11	8	18490	18635
24. 9 49– 9 59	8	18489	18634
25. 9 44– 9 54	8	18499	18634
26. 9 21– 9 32	8	18485	18635
28. 9 48– 9 59	8	18488	18636
29. 9 28– 9 47	8	18499	18637
30. 9 34– 9 45	8	18499	18637
Oct. 1. 9 33– 9 44	8	18482	18637
2. 9 33– 9 44	8	18493	18638
3. 9 43– 9 54	8	18500	18638
5. 9 57–10 8	8	18513	18637
5. 12 5–12 15	6	18508	18617
16 10–16 24	8	18523	18615
6. 10 37–10 48	8	18475	18613
7. 10 36–10 47	8	18483	18614
8. 11 3–11 14	8	18487	18614
9. 10 34–10 47	8	18491	18613
10. 10 38–10 49	8	18457	18614
12. 10 37–10 49	8	18496	18614
13. 10 33–10 45	8	18505	18613
14. 10 39–10 50	8	18507	18613
15. 10 35–10 46	8	18499	18612
16. 10 42–10 51	8	18497	18612
17. 10 37–10 49	8	18468	18612
19. 10 49–11 0	8	18491	18611
20. 10 38–10 49	8	18486	18612
21. 10 41–10 53	8	18494	18612
22. 10 42–10 52	8	18511	18613
23. 10 33–10 44	8	18514	18611
24. 10 38–10 47	8	18492	18612
26. 10 36–10 46	8	18504	18613
27. 10 27–10 43	8	18515	18611
28. 10 25–10 40	8	18505	18612
29. 10 34–10 46	8	18518	18612
30. 10 34–10 45	8	18519	18613
31. 10 50–11 3	8	18471	18611
Nov. 2. 12 42–12 55	8	18501	18613
3. 10 40–10 50	8	18468	18611
4. 14 31–14 45	10	18483	18612
5. 10 42–10 52	8	18497	18610
6. 10 39–10 49	8	18501	18610
7. 10 37–10 48	8	18496	18611
9. 10 40–10 50	8	18492	18611
10. 10 37–10 48	8	18505	18610
11. 10 34–10 45	8	18507	18611
12. 16 31–16 42	8	18509	18611
13. 10 52–11 3	8	18502	18610
14. 10 40–10 51	8	18504	18611
16. 11 34–11 46	8	18508	18610
17. 10 41–10 51	8	18515	18610
18. 10 51–11 0	7	18505	18610
19. 10 39–10 50	8	10503	18611
20. 10 41–10 52	8	18489	18610
21. 10 54–11 4	8	18507	18610
23. 11 49–12 0	8	18514	18611
24. 10 13–10 24	8	18527	18612
25. 10 25–10 42	8	18521	18612
26. 10 26–10 41	8	18522	18612
27. 10 23–10 40	8	18514	18612
28. 9 56–10 8	8	18525	18612
Dec. 1. 19 13–19 21	6	18521	18610
2. 10 26–10 45	8	18521	18612
3. 9 43– 9 55	8	18505	18609
10 0–10 10	8	18500	18606
15 26–15 37	8	18508	18612
4. 10 50–11 3	8	18519	18610
5. 10 41–10 52	8	18506	18611
7. 17 44–17 55	8	18526	18613
8. 10 21–10 26	4	18513	18614
15 42–15 57	8	18523	18611
9. 10 41–10 51	8	18509	18609
10. 10 38–10 49	8	18522	18609
11. 10 41–10 51	8	18507	18609
12. 10 40–10 50	8	18523	18609
14. 16 30–16 43	8	18529	18609
15. 10 43–10 53	8	18516	18608
16. 10 52–11 3	8	18527	18604
17. 12 44–12 57	8	18482	18604
18. 10 43–10 53	8	18520	18602
19. 10 42–10 52	8	18515	18601
21. 15 38–15 50	8	18518	18602
22. 10 44–10 54	8	18521	18602
23. 12 49–13 0	8	18516	—
24. 11 15–11 27	8	18522	18608
26. 10 16–10 27	8	18539	18608
28. 15 21–15 33	8	18472	18608
29. 10 44–10 56	8	18505	18613
29. 17 11–17 16	4	18493	18608
30. 16 23–16 44	8	18512	18608
31. 10 44–10 55	8	18509	18607

October 5 Temperature lowered to 16·0°.

TABLE XIV (A).—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE of HORIZONTAL INTENSITY from OBSERVATIONS made with the UNIFILAR MAGNETOMETER CASELLA 181 at ABINGER, with the DEDUCED VALUES of the BASE-LINE OF the HORIZONTAL INTENSITY MAGNETOGRAMS.

U.T., 1936.	Observed Horizontal Intensity.	Deduced Value of Base Line.
	γ	γ
Jan. 9. 15 26–16 39	18510	18687
10. 10 24–11 21	18497	18682
11. 10 1–11 2	18509	18681
16. 10 26–11 20	18521	18690
17. 10 19–11 13	18514	18688
18. 10 18–11 18	18498	18688
21. 10 54–11 50	18520	18683
22. 11 20–12 5	18503	18680
23. 10 54–11 38	18513	18678
24. 9 27–10 13	18508	18678
25. 11 18–12 2	18495	18683
Feb. 20. 15 49–16 52	18505	18690
21. 14 35–15 30	18492	18689
22. 11 13–12 0	18502	18683
24. 15 17–16 27	18520	18690
25. 12 11–13 0	18511	18685
26. 10 7–11 7	18504	18686
27. 12 20–13 12	18502	18684
28. 12 27–13 15	18508	18693
29. 11 11–11 59	18514	18688
Mar. 2. 12 14–13 1	18508	18686
3. 14 27–15 27	18526	18689
4. 15 19–16 14	18525	18686
5. 15 15–16 9	18524	18691
6. 11 10–11 59	18527	18692
7. 11 9–11 57	18522	18691
9. 14 47–15 42	18517	18691
10. 11 11–11 58	18503	18685
11. 15 26–16 48	18517	18684
12. 15 6–16 14	18522	18687
13. 15 52–17 4	18537	18688
14. 10 1–11 9	18525	18689
16. 12 12–12 57	18517	18690
21. 10 31–11 26	18467	18694
24. 15 57–17 10	18521	18693
25. 15 41–17 0	18519	18692
27. 15 8–16 32	18517	18696
30. 10 41–11 56	18486	18685
31. 15 1–16 9	18500	18685
April 1. 14 42–16 1	18512	18694
3. 16 18–17 24	18530	18703
7. 14 35–15 56	18492	18712
8. 14 53–16 20	18502	18715
14. 14 44–16 4	18517	18711
15. 14 30–15 50	18517	18709
16. 14 29–15 46	18518	18715
17. 10 7–11 23	18484	18701
15 38–16 55	18534	18698
20. 13 59–15 24	18479	18703
21. 14 44–16 1	18498	18696
22. 10 39–11 46	18471	18697
April 23. 13 35–14 54	18506	18692
24. 13 35–14 49	18502	18697
28. 13 52–15 11	18508	18695
29. 10 27–11 32	18495	18699
May 1. 10 39–11 53	18494	18697
2. 10 19–11 27	18495	18689
4. 13 36–14 58	18547	18693
5. 10 39–11 53	18502	18696
7. 14 16–15 27	18531	18691
11. 13 29–14 58	18544	18695
12. 13 31–15 4	18501	18693
13. 8 50–10 10	18493	18688
14. 9 47–10 55	18501	18688
15. 13 33–14 51	18532	18696
19. 8 55–10 48	18480	18714
20. 13 28–14 53	18505	18721
21. 14 35–15 48	18521	18721
22. 9 50–10 54	18488	18725
23. 10 27–11 44	18496	18721
25. 14 50–16 0	18528	18718
26. 14 9–15 28	18524	18724
27. 14 19–15 34	18527	18723
28. 14 38–15 53	18526	18718
29. 9 42–10 54	18489	18722
30. 8 31–9 45	18514	18725
June 2. 14 22–15 44	18537	18729
3. 14 32–15 42	18511	18723
4. 13 58–15 17	18512	18721
5. 13 26–14 43	18501	18725
6. 8 42–10 1	18506	18725
8. 13 38–14 56	18519	18723
9. 14 2–15 18	18469	18726
10. 9 24–10 37	18492	18720
11. 9 18–10 33	18495	18715
12. 13 32–14 58	18514	18727
13. 8 59–10 17	18511	18717
16. 13 48–15 19	18545	18734
17. 13 32–14 52	18522	18728
18. 9 10–10 29	18505	18722
19. 9 12–10 32	(18363)	(18719)
20. 9 16–10 29	18467	18722
23. 9 4–10 25	18484	18716
24. 9 8–10 30	18496	18720
25. 9 5–10 27	18510	18719
26. 8 59–10 21	18496	18713
27. 9 3–10 27	18497	18721
29. 13 27–14 46	18518	18718
July 28. 9 14–10 51	18503	18630
29. 13 51–15 18	18545	18643
30. 13 56–15 12	18522	18645
31. 14 27–15 47	18525	18642
Aug. 4. 13 36–14 54	18535	18641
5. 10 29–11 59	18505	18632
6. 10 23–11 40	18496	18636
7. 13 35–14 52	18536	18642
10. 13 31–14 53	18513	18649
11. 10 32–11 57	18507	18639
12. 10 27–11 51	18520	18640
13. 10 23–11 41	18516	18639
14. 10 32–11 43	18526	18639
17. 10 30–11 48	18508	18639
18. 10 32–11 54	18512	18642
19. 10 20–11 50	18504	18637
20. 10 24–11 40	18502	18638
21. 10 33–11 55	18503	18642
24. 8 46–10 11	18501	18635
26. 10 31–11 55	18524	18647
27. 10 28–11 52	18517	18647
28. 10 33–11 57	18534	18648
29. 10 34–12 4	18528	18650
31. 13 19–14 49	18531	18640
Sept. 1. 10 27–11 49	18508	18642
2. 10 12–11 25	18485	18636
3. 10 5–11 24	18487	18634
4. 10 25–11 41	18485	18628
7. 10 5–11 40	18502	18633
8. 10 15–11 41	18498	18632
9. 9 19–10 39	18498	18636
10. 10 24–11 53	18495	18642
11. 10 29–11 55	18492	18634
14. 14 20–15 37	18515	18635
15. 13 25–14 48	18522	18639
16. 10 23–11 46	18502	18640
17. 9 33–10 41	18502	18635
18. 10 29–11 58	18502	18633
21. 13 30–14 51	18519	18638
22. 13 27–14 43	18513	18638
23. 14 7–15 12	18490	18636
24. 10 13–11 18	18486	18636
25. 10 34–11 59	18488	18631
26. 10 7–11 38	18471	18631
28. 14 12–15 29	18525	18639
29. 10 27–11 49	18489	18628
30. 10 27–11 50	18501	18638
Oct. 1. 14 16–15 45	18516	18636
2. 10 22–11 52	18486	18637
6. 11 33–12 56	18478	18614
7. 11 33–12 51	18485	18616
8. 15 9–16 37	18511	18618
9. 11 29–12 54	18490	18629
12. 15 23–16 44	18512	18607
13. 11 24–12 48	18504	18611
14. 11 32–12 53	18495	18604
15. 11 25–12 51	18500	18609
16. 11 28–12 51	18491	18611
19. 14 26–16 11	18511	18606
20. 11 29–12 53	18486	18608
21. 11 37–13 3	18495	18611

April 2. Temperature raised to 16·0°. May 18. Temperature raised to 21·0°. October 5. Temperature lowered to 16·0°.

TABLE XIV (A).—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE OF HORIZONTAL INTENSITY from OBSERVATIONS made with the UNIFILAR MAGNETOMETER, CASELLA 181 at ABINGER, with the DEDUCED VALUES of the BASE-LINE of the HORIZONTAL INTENSITY MAGNETOGRAMS—*continued.*

U.T., 1936.	Observed Horizontal Intensity.	Deduced Value of Base Line.	U.T., 1936.	Observed Horizontal Intensity.	Deduced Value of Base Line.	U.T., 1936	Observed Horizontal Intensity.	Deduced Value of Base Line.
	γ	γ		γ	γ		γ	γ
Oct. 22. 11 36–12 57	18504	18605	Nov. 9. 11 32–12 54	18478	18599	Nov. 25. 11 32–12 56	18518	18611
23. 11 23–12 48	18509	18606	10. 11 30–12 56	18506	18607	26. 11 30–12 51	18525	18611
26. 11 28–12 51	18488	18604	11. 11 26–13 2	18478	18600	27. 11 31–12 55	18517	18610
27. 11 28–12 51	18506	18606	12. 9 56–11 39	18486	18608	28. 11 26–12 27	18520	18609
28. 11 27–12 54	18504	18611	13. 11 43–12 58	18501	18608			
29. 11 30–12 51	18511	18606	14. 11 38–12 34	18497	18609			
30. 11 26–12 52	18521	18608	16. 14 31–15 51	18510	18608			
			17. 11 28–12 **51**	**18510**	18606	Dec. 1. 11 47–12 46	18482	(18603)
			18. 11 47–12 56	18496	18604	9. 14 32–15 49	18514	18604
			19. 11 27–12 51	18478	18600	10. 11 32–12 58	18519	18601
Nov. 3. 11 33–12 56	18473	18606	20. 11 34–12 49	18474	18601	11. 11 42–12 57	18515	18607
4. 11 33–12 46	18464	18611	21. 11 31–12 32	18507	18608	15. 11 39–12 57	18519	18611
5. 11 34–12 55	18479	18606	23. 14 33–15 51	18522	18609			
6. 11 26–12 47	18489	18604	24. 14 29–15 45	18528	18613	16. 15 2–16 7	18533	18600

TABLE XV.—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE of VERTICAL INTENSITY from OBSERVATIONS made with the DYE COIL-MAGNETOMETER in the MAGNETIC PAVILION at ABINGER, with the DEDUCED VALUES of the BASE-LINE of the VERTICAL INTENSITY MAGNETOGRAMS.

U.T., 1936.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Jan. 1. 16 6–16 27	8	43006	43214
2. 16 20–16 44	8	43002	43212
3. 16 36–16 45	4	43006	43213
4. 11 49–12 3	8	43000	43209
6. 15 43–16 7	8	43000	43211
7. 16 6–16 28	8	43001	43211
8. 11 46–12 10	8	42990	43207
9. 11 35–12 3	10	42997	43208
10. 11 45–12 4	8	42998	43207
11. 11 30–11 50	8	42996	43205
13. 14 41–15 3	8	43011	43207
14. 11 0–11 18	8	42990	43201
15. 15 11–15 34	8	43003	43211
16. 11 46–12 3	8	42992	43211
17. 11 37–12 1	10	42986	43212
18. 11 47–12 4	8	42995	43213
20. 15 53–16 17	9	43006	43219
21. 9 58–10 14	8	42999	43216
22. 10 13–10 40	10	42992	43214
23. 10 0–10 18	9	42991	43207
24. 10 43–11 7	8	42987	43206
25. 9 47–10 19	9	43007	43212
27. 14 55–15 17	8	43012	43215
28. 11 50–12 4	8	43002	43215
29. 11 39–11 58	8	43003	43214
30. 11 43–11 59	8	43001	43213
31. 10 7–10 23	8	43002	43209
Feb. 1. 11 44–12 10	8	42995	43211
3. 15 9–15 37	8	43001	43210
4. 12 43–13 0	8	42997	43203
5. 12 56–13 17	10	42990	43211
6. 11 27–11 47	8	42998	43216
7. 14 50–15 9	8	42992	43212
8. 10 9–10 36	8	42986	43212
10. 12 41–12 57	8	42991	43216
11. 11 31–11 58	10	42986	43213
12. 10 44–11 3	8	42986	43214
13. 11 5–11 23	8	42982	43218
14. 10 41–11 5	8	42987	43218
15. 10 47–11 7	8	42989	43223
17. 10 23–10 41	8	42993	43220
18. 11 49–12 4	8	42995	43220
19. 10 13–10 36	8	42995	43221
20. 10 59–11 15	8	42988	43218
21. 11 28–11 46	8	42996	43220
22. 10 15–10 39	10	42993	43217
24. 12 36–12 57	8	42965	43217
25. 10 41–10 58	8	42984	43216
26. 11 33–11 46	8	42985	43218
27. 10 37–10 57	8	42993	43219
28. 10 27–10 55	8	42990	43216
29. 10 22–10 43	8	42988	43219
Mar. 2. 11 42–12 2	8	42982	43221
3. 10 35–10 54	8	42988	43220
4. 12 21–12 40	8	42980	43219
Mar. 5. 10 39–10 53	8	42979	43217
6. 10 18–10 39	8	42981	43220
7. 10 21–10 40	8	42986	43221
9. 10 5–10 22	8	42985	43221
17. 10 34–11 9	8	42993	43220
18. 11 47–12 4	8	42978	43222
19. 11 37–11 55	8	42979	43219
20. 15 13–15 34	8	43000	43222
21. 11 46–12 1	8	42980	43224
23. 15 46–16 4	8	43019	43221
24. 11 8–11 30	8	42979	43217
25. 12 46–13 21	8	42983	43218
26. 15 12–16 18	8	43005	43218
27. 11 42–12 2	8	42975	43217
28. 11 29–11 47	8	42975	43216
30. 12 40–12 57	8	42976	43215
31. 11 3–11 22	8	42973	43214
April 1. 10 27–10 56	10	42986	43216
2. 10 16–10 39	8	42988	43214
2. 14 56–15 23	8	42993	43241
3. 10 21–10 42	8	42979	43247
4. 10 22–10 44	8	42986	43250
6. 16 59–17 34	8	(43005)	(43262)
7. 11 13–11 38	8	42973	43252
8. 11 42–12 0	8	42971	43257
9. 10 3–10 28	8	42989	43260
14. 10 22–10 53	8	42976	43262
15. 10 19–10 45	8	42978	43261
16. 11 34–12 4	10	42978	43262
17. 10 26–10 50	8	42974	43262
18. 11 13–11 36	8	42982	43264
20. 10 44–11 4	8	42977	43259
21. 10 18–10 39	8	42986	43268
22. 9 21–9 56	10	42988	43267
23. 9 22–9 53	8	42987	43268
24. 9 18–9 48	8	43005	43268
25. 9 4–9 28	8	43003	43268
27. 13 41–14 4	8	42980	43266
28. 9 17–9 43	8	42995	43265
29. 10 31–10 58	10	42985	43264
30. 9 4–9 28	8	42997	43264
May 1. 9 2–9 22	8	42998	43264
2. 9 5–9 23	8	42996	43262
4. 11 44–12 7	8	42973	43261
5. 9 12–9 47	8	42985	43260
6. 13 56–14 10	8	42998	43263
7. 11 30–11 45	6	42971	43266
8. 14 30–14 46	6	42991	43192
15 42–15 46	6	43000	43193
9. 9 45–10 6	8	42980	43191
11. 9 21–9 37	6	42977	43187
10 26–10 38	5	42963	43186
12. 10 27–10 41	6	42981	43162
11 34–11 47	6	42971	43161
May 13. 10 44–11 3	8	42980	43160
14. 14 3–14 20	8	42985	43156
15. 9 30–9 48	8	42987	43159
16. 8 54–9 14	8	42986	43157
18. 14 30–14 44	5	43003	43186
18 52–19 16	8	43019	43189
19. 8 24–8 43	8	42988	43193
14 31–14 48	8	43010	43193
20. 9 29–9 56	8	42995	43267
14 38–15 26	10	43008	43201
21. 9 17–9 45	8	42996	43206
13 36–14 4	8	42994	43205
22. 8 52–9 30	12	42985	43206
13 56–14 6	4	43001	43207
15 14–15 22	4	43014	43206
23. 8 33–9 5	10	42989	43209
25. 9 12–9 41	8	43006	43216
26. 9 6–9 26	8	42988	43215
27. 9 47–10 10	8	42993	43210
16 30–16 41	4	43013	43212
28. 10 5–10 36	8	42978	43210
14 17–14 58	8	42994	43209
29. 8 13–8 29	8	42999	43205
15 43–16 4	8	43023	43210
30. 8 36–8 57	8	42994	43214
June 1. 10 45–10 57	4	42997	43212
2. 11 44–12 8	8	42982	43215
16 6–16 17	4	43004	43212
3. 9 8–9 29	8	42994	43217
15 57–16 7	4	43014	43214
4. 10 36–10 55	8	42992	43218
15 44–15 54	4	43017	43219
5. 9 44–10 4	8	42996	43219
15 15–15 27	4	43000	43217
6. 10 18–10 40	8	42994	43216
8. 9 39–10 0	8	42997	43221
9. 9 16–9 46	8	42992	43217
10. 9 19–9 46	8	43000	43219
11. 10 42–10 56	8	42991	43218
12. 9 57–10 20	8	42993	43215
13. 10 30–10 52	8	42975	43216
15. 19 6–19 30	8	43031	43212
16. 11 52–12 8	8	42986	43213
17. 9 14–9 42	8	42999	43215
18. 10 42–10 57	8	42977	43215
19. 11 31–11 52	8	42999	43212
20. 10 40–10 59	8	42996	43208
22. 16 32–16 52	8	43023	43209
23. 10 36–10 52	8	42994	43213
24. 10 41–11 1	8	42995	43212
25. 10 40–10 59	8	42994	43210
26. 10 33–10 52	8	42989	43209
27. 10 36–10 54	8	43000	43213
29. 15 1–15 16	8	42992	43209
30. 9 10–9 26	8	43000	43212
July 1. 11 32–11 53	8	42991	43213
2. 9 7–9 28	8	42988	43214

April 2. Temperature raised 16.0°.

May 18. Temperature raised to 21.0°.

TABLE XV.—RESULTS of the DETERMINATIONS of the ABSOLUTE VALUE of VERTICAL INTENSITY from OBSERVATIONS made with the DYE COIL MAGNETOMETER in the MAGNETIC PAVILION at ABINGER, with the DEDUCED VALUES of the BASE-LINE of the VERTICAL INTENSITY MAGNETOGRAMS—*continued*.

U.T., 1936.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
July 3. 9 2– 9 21	8	43013	43215
4. 8 50– 9 7	8	43003	43211
6. 15 42–15 54	4	43047	43219
7. 9 16– 9 33	8	43006	43218
8. 14 34–15 20	8	43009	43215
9. 10 39–10 56	8	42991	43213
10. 9 31– 9 51	8	42997	43221
11. 8 47– 9 13	10	43012	43218
13. 15 12–15 35	8	43017	43220
14. 9 5– 9 31	8	43008	43226
15. 13 53–14 13	8	43011	43225
16. 9 13– 9 41	8	43009	43226
17. 9 7– 9 25	8	43004	43227
18. 9 8– 9 27	8	43001	43227
20. 10 52–11 8	8	43005	43231
21. 11 2–11 18	8	42998	43229
22. 9 2– 9 19	8	43007	43233
23. 8 55– 9 14	8	43008	43232
24. 10 27–10 42	8	43000	43215
24. 14 54–15 5	5	43004	43184
25. 9 5– 9 23	8	43001	43178
26. 10 55–11 3	4	42985	43177
27. 9 11– 9 27	8	43005	43189
15 28–15 48	8	43009	43187
28. 8 55– 9 11	8	42994	43191
13 42–14 21	8	42996	43189
29. 10 2–10 25	8	42995	43190
15 44–15 52	4	43025	43186
30. 9 1– 9 22	8	43007	43186
31. 9 10– 9 28	8	43009	43188
Aug. 1. 9 16– 9 37	8	43011	43187
4. 9 26– 9 45	8	42987	43187
5. 9 1– 9 25	8	42998	43189
6. 9 5– 9 23	8	43000	43188
7. 9 4– 9 25	8	43003	43194
8. 9 7– 9 27	8	42996	43191
10. 10 31–10 46	8	42997	43192
11. 9 1– 9 23	8	43010	43188
12. 9 5– 9 26	8	43000	43189
13. 8 58– 9 19	8	43000	43190
14. 9 1– 9 17	8	43000	43189
15. 9 1– 9 21	8	43003	43193
17. 9 6– 9 24	8	42998	43188
18. 9 7– 9 25	8	42992	43189
18 11–19 23	4	43005	43188
19. 9 2– 9 23	8	42995	43191
20. 9 2– 9 21	8	42999	43191
21. 8 58– 9 16	8	42992	43189
22. 8 57– 9 16	8	42995	43191
24. 10 37–10 55	8	42984	43192
25. 9 4– 9 24	8	42997	43193
15 41–15 51	4	43003	43194
26. 9 10– 9 29	8	42990	43192
27. 9 3– 9 23	8	42988	43192
28. 9 22– 9 47	8	43000	43193

U.T., 1936.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Aug. 29. 8 55– 9 18	8	43003	43192
31. 10 31–10 53	8	42982	43190
Sept. 1. 9 11– 9 30	8	43001	43188
2. 9 4– 9 29	8	42994	43190
3. 8 57 9 22	8	43001	43193
4. 9 10– 9 32	8	43005	43196
5. 9 8– 9 38	8	43007	43196
7. 9 17– 9 33	8	43004	43197
8. 9 6– 9 23	8	43004	43201
9. 8 45– 9 2	8	43008	43204
10. 9 2– 9 20	8	43010	43206
11. 9 7– 9 24	8	43001	43208
12. 8 59– 9 18	8	43014	43206
14. 9 1– 9 20	8	43009	43205
15. 9 11– 9 27	8	43011	43207
16. 8 58– 9 17	8	43002	43212
17. 8 28– 8 54	8	43001	43214
18. 9 9– 9 26	8	43003	43212
19. 9 11– 9 30	8	42999	43216
21. 9 8– 9 25	8	42998	43211
22. 9 26–10 1	8	42999	43216
23. 8 45– 9 6	8	43007	43212
24. 9 14– 9 43	7	43014	43219
25. 9 12– 9 30	8	43009	43211
26. 8 57– 9 16	8	43011	43211
28. 9 9– 9 39	8	43011	43222
29. 9 1– 9 21	8	43015	43222
30. 9 3– 9 24	8	43010	43225
Oct. 1. 9 2– 9 22	8	43007	43223
2. 9 3– 9 22	8	43012	43226
3. 9 22– 9 39	8	43005	43226
5. 9 22– 9 52	8	43002	43230
5. 15 40–15 59	8	43010	43196
6. 10 5–10 25	8	43001	43193
7. 10 6–10 26	8	43006	43196
8. 10 0–10 54	8	43013	43196
12 41–12 54	6	43008	43192
9. 10 2–10 22	8	43005	43197
10. 10 5–10 24	8	43004	43197
12. 10 8–10 27	8	43006	43198
13. 10 6–10 22	8	43003	43198
14. 10 10–10 27	8	43004	43201
15. 10 9–10 25	8	43000	43198
16. 10 4–10 23	8	43002	43191
17. 10 4–10 23	8	43016	43195
19. 10 22–10 41	8	43013	43198
20. 10 3–10 27	8	43012	43197
21. 10 12–10 29	8	43015	43200
22. 10 10–10 34	8	43006	43200
23. 10 7–10 22	8	43002	43196
24. 10 6–10 22	8	43004	43198
26. 10 7–10 23	8	43012	43200
27. 10 4–10 19	8	43015	43200
28. 10 1–10 19	8	43013	43198
29. 10 1–10 22	8	43006	43205

U.T., 1936	No. of Obs.	Observed Horizontal Intensity.	Deduced Value of Base Line.
		γ	γ
Oct. 30. 10 4–10 22	8	43005	43208
31. 10 9–10 26	8	43002	43201
Nov. 2. 14 39–14 56	8	43022	43203
3. 10 15–10 31	8	43013	43205
4. 10 53–11 14	8	43018	43204
5. 10 11–10 33	8	43205	43206
6. 10 7–10 27	8	43021	43204
7. 10 7–10 23	8	43012	43205
9. 10 7–10 25	8	43023	43208
10. 10 9–10 25	8	43027	43210
11. 10 10–10 25	8	43018	43209
12. 12 45–13 2	8	43027	43207
13. 10 22–10 42	8	43020	43208
14. 10 13–10 30	8	43019	43208
16. 16 15–16 33	8	43036	43209
17. 10 12–10 33	8	43016	43208
18. 10 18–10 40	8	43014	43206
19. 10 11–10 27	8	43015	43205
20. 10 15–10 28	8	43012	43207
21. 10 29–10 46	8	43017	43206
23. 10 15–10 36	8	43019	43214
30. 10 6–10 19	8	43207	43214
30. 16 17–16 27	4	43034	43170
Dec. 1. 9 57–10 8	4	43026	43169
1. 10 38–10 47	4	43023	43165
1. 14 37–14 46	4	43033	43165
1. 19 27–19 43	5	43038	43173
2. 9 53–10 12	8	43021	43175
3. 15 3–15 17	8	43037	43175
4. 10 18–10 37	8	43014	43174
5. 10 8–10 27	8	43024	43174
7. 17 16–17 34	8	43024	43171
8. 10 1–10 11	4	43020	43171
15 3–15 24	8	43024	43171
9. 10 11–10 26	8	43014	43165
10. 10 11–10 26	8	43012	43167
11. 10 13–10 30	8	43010	43165
12. 10 8–10 29	8	43011	43171
14. 15 55–16 12	8	43030	43176
15. 10 15–10 36	8	43016	43173
16. 10 18–10 41	8	43015	43177
17. 10 15–10 31	8	43011	43174
18. 10 13–10 34	8	43011	43171
19. 10 17–10 34	8	43016	43172
21. 14 58–15 20	8	43030	43172
22. 10 14–10 35	8	43022	43175
23. 10 16–10 28	8	43017	43171
23. 14 54–15 13	8	43026	43176
24. 10 41–10 59	8	43018	43178
26. 13 18–13 33	7	43016	43177
28. 14 47–15 8	8	43083	43174
29. 16 49–16 58	4	43049	43181
30. 10 27–10 47	8	43031	43180
31. 10 14–10 33	8	43025	43176

October 5. Temperature lowered to 16.0°.

TABLE XV(A).—DAILY VALUE of the BASE-LINE of the VERTICAL INTENSITY MAGNETOGRAMS at the ABINGER MAGNETIC STATION, DEDUCED from OBSERVATIONS of MAGNETIC DIP made with the EARTH INDUCTOR.

Day of Month	January	February	March	April	May	June	July	August	September	October	November	December
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	43204	43205	—	43208	43261	—	43211	43193	43187	43225	—	43173
2	202	—	43219	242	263	43211	215	—	198	224	43206	176
3	—	208	214	241	—	221	211	—	201	231	206	—
4	214	203	211	247	259	214	217	186	197	—	208	175
5	—	207	219	—	269	221	—	187	193	197	203	178
6	202	207	210	254	272	216	221	192	—	193	207	—
7	202	212	212	250	—	—	228	192	198	195	205	177
8	199	210	—	252	193	210	223	186	202	204	—	177
9	205	—	215	254	194	207	224	—	206	202	207	176
10	200	222	217	—	—	217	229	184	211	200	212	176
11	200	212	216	—	161	217	222	190	205	—	207	177
12	—	219	221	—	159	214	—	187	207	203	216	177
13	199	216	220	—	162	213	226	196	—	202	214	—
14	201	217	216	261	162	—	222	189	208	201	215	180
15	198	216	—	257	163	215	224	194	208	198	—	181
16	204	—	215	262	155	217	226	—	216	199	213	181
17	205	216	217	262	—	215	224	192	221	202	214	177
18	204	222	213	263	—	216	226	193	224	—	214	178
19	—	210	216	—	206	217	—	190	214	197	212	174
20	209	212	216	261	203	218	230	193	—	203	208	—
21	206	210	219	263	203	—	225	194	219	200	216	177
22	207	214	—	262	208	217	233	193	216	202	—	174
23	205	—	215	267	209	210	227	—	212	201	212	176
24	211	212	215	264	—	212	218	193	209	200	214	175
25	212	215	216	267	214	210	178	196	215	—	218	—
26	—	211	212	—	212	211	—	186	214	204	220	—
27	209	218	215	265	213	219	189	196	—	206	222	—
28	210	216	216	263	219	—	177	192	217	204	221	184
29	206	216	—	262	217	218	184	200	220	203	—	184
30	200		212	261	211	212	185	—	222	201	221	—
31	202		207		—		189	186		206		185

April 2. Temperature raised to 16.0°. May 18. Temperature raised to 21.0°. October 5. Temperature lowered to 16.0°.

MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ROYAL OBSERVATORY, GREENWICH, BETWEEN THE YEARS 1818-1925.

Year.	Declination West	Horizontal Intensity.	Vertical Intensity.	Dip.	Year.	Declination West.	Horizontal Intensity.	Vertical Intensity.	Dip.
	° ′	C.G.S. Unit	C.G.S. Unit	° ′		° ′	C.G.S. Unit	C.G.S. Unit	° ′
1818	24 19 †	..	..	..	1882	18 22·3	0·1806	0·4375	67 34·2
1819	24 21	..	..	..	1883	18 15·0	0·1812	0·4381	67 31·7
1820	24 21	..	..	..	1884	18 7·6	0·1814	0·4379	67 29·7
1841	23 16·2	..	..	..	1885	18 1·7	0·1817	0·4380	67 28·0
1842	23 14·6	..	..	..	1886	17 54·5	0·1818	0·4377	67 27·1
1843	23 11·7	..	..	69 0·6	1887	17 49·1	0·1819	0·4380	67 26·6
1844	23 15·3	..	..	69 0·3	1888	17 40·4	0·1822	0·4383	67 25·6
1845	22 56·7	..	..	68 57·5	1889	17 34·9	0·1823	0·4380	67 24·3
1846	22 49·6	0·1731	..	68 58·1	1890	17 28·6	0·1825	0·4381	67 23·0
1847	22 51·3	0·1736	..	68 59·0	1891	17 23·4	0·1827	0·4380	67 21·5
1848	22 51·8	0·1731	..	68 54·7	1892	17 17·4	0·1829	0·4379	67 20·0
1849	22 37·8	0·1733	..	68 51·3	1893	17 11·4	0·1831	0·4373	67 17·9
1850	22 23·5	0·1738	..	68 46·9	1894	17 4·6	0·1831	0·4374	67 17·4
1851	22 18·3	0·1744	..	68 40·4	1895	16 57·4	0·1834	0·4378	67 16·1
1852	22 17·9	0·1745	..	68 42·7	1896	16 51·7	0·1835	0·4382	67 15·1
1853	22 10·1	0·1748	..	68 44·6	1897	16 45·8	0·1838	0·4377	67 13·5
1854	22 0·8	0·1749	..	68 47·7	1898	16 39·2	0·1840	0·4377	67 12·1
1855	21 48·4	0·1756	..	68 44·6	1899	16 34·2	0·1843	0·4380	67 10·5
1856	21 43·5	0·1759	..	68 43·5	1900	16 29·0	0·1846	0·4380	67 8·8
1857	21 35·4	0·1769	..	68 31·1	1901	16 26·0	0·1850	0·4381	67 6·4
1858	21 30·3	0·1762	..	68 28·3	1902	16 22·8	0·1852	0·4377	67 3·8
1859	21 23·5	0·1761	..	68 26·9	1903	16 19·1	0·1852	0·4368	67 1·2
1860	21 14·3	..	..	68 30·1	1904	16 15·0	0·1854	0·4359	66 57·6
1861	21 5·5	0·1773	..	68 24·6	1905	16 9·9	0·1854	0·4355	66 56·3
					1906	16 3·6	0·1854	0·4353	66 55·6
1861		0·1759		68 15·8	1907	15 59·8	0·1855	0·4357	66 56·2
1862	20 52·6	0·1763	0·4403	68 9·6	1908	15 53·5	0·1854	0·4356	66 56·3
1863	20 45·9	0·1764	0·4396	68 7·0	1909	15 47·6	0·1854	0·4348	66 54·1
1864	..	0·1767	0·4393	68 4·1	1910	15 41·2	0·1855	0·4345	66 52·8
1865	20 33·9	0·1767	0·4388	68 2·7	1911	15 33·0	0·1855	0·4342	66 52·1
1866	20 28·0	0·1773	0·4397	68 1·3	1912	15 24·3	0·1855	0·4340	66 51·8
1867	20 20·5	0·1777	0·4392	67 57·2	1913	15 15·2	0·1853	0·4333	66 50·5
1868	20 13·1	0·1779	0·4395	67 56·5					
1869	20 4·1	0·1782	0·4396	67 54·8	1914	15 6·3	0·1853	0·4333	66 50·8
1870	19 53·0	0·1784	0·4392	67 52·5	1915	14 56·5	0·1851	0·4331	66 51·6
1871	19 41·9	0·1786	0·4389	67 50·3	1916	14 46·9	0·1848	0·4326	66 52·2
1872	19 36·8	0·1789	0·4383	67 47·8	1917	14 37·1	0·1848	0·4330*	66 53·0
1873	19 33·4	0·1793	0·4386	67 45·8	1918	14 27·8	0·1846	0·4325	66 52·8
1874	19 28·9	0·1797	0·4387	67 43·6	1919	14 18·2	0·1845	0·4324	66 53·3
1875	19 21·2	0·1797	0·4383	67 42·4	1920	14 8·6	0·1845	0·4325	66 53·6
1876	19 8·3	0·1799	0·4383	67 41·0	1921	13 57·6	0·1845	0·4322	66 53·0
1877	18 57·2	0·1800	0·4381	67 39·7	1922	13 46·7	0·1844	0·4318	66 52·3
1878	18 49·3	0·1802	0·4382	67 38·2	1923	13 35·1	0·1843	0·4314	66 51·9
1879	18 40·5	0·1805	0·4382	67 37·0	1924	13 22·8	0·1843	0·4311	66 51·6
1880	18 32·6	0·1805	0·4380	67 35·7	1925	13 9·9	0·1841	0·4308	66 51·4
1881	18 27·1	0·1807	0·4379	67 34·7					

In 1818, 1819 and 1820 numerous observations of Declination were made with a Dollond needle. See Introduction, p. D19.

In 1861 new Unifilar Apparatus for absolute Horizontal Intensity and the Airy Dip-Circle were introduced, both sets of apparatus being used in that year. In 1864 the excavation of the Magnetic Basement caused the suspension of complete Declination Observations. From 1914 the Dip was determined with an Inductor.

N.B.—In the above table the values of Vertical Intensity for the years 1862-1913 inclusive were computed from the corresponding values of Horizontal Intensity and Dip, the values of Dip being the mean of all the absolute observations taken in any year, and the time of observation approximating to noon on the average. Beginning with 1914 the values of Dip have been computed from the corresponding annual mean values of Horizontal and Vertical Intensity.

† Mean of seven months June to December. * Mean of ten months, March to December.

MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION, FOR THE YEARS 1925-1936.

Year.	Declination West.	Horizontal Intensity.	Vertical Intensity.	Inclination.
	° ′	C.G.S. Unit	C.G.S. Unit	° ′
1925	13 22·7	0·18597	0·42946	66 35·1
1926	13 10·4	0·18581	0·42947	66 36·3
1927	12 58·4	0·18575	0·42932	66 36·2
1928	12 47·0	0·18564	0·42941	66 37·3
1929	12 35·8	0·18555	0·42918	66 37·2
1930	12 24·6	0·18542	0·42924	66 38·2
1931	12 13·7	0·18543	0·42923	66 38·1
1932	12 2·6	0·18536	0·42940	66 39·1
1933	11 51·7	0·18532	0·42942	66 39·4
1934	11 41·1	0·18533	0·42955	66 39·7
1935	11 30·3	0·18527	0·42981	66 40·9
1936	11 20·0	0·18524	0·43007	66 41·8

The values of Inclination are computed from the corresponding values of horizontal and vertical intensity.

Commencing with the years 1927 and 1929 respectively, the values of horizontal and vertical intensity are based upon observations with Coil-magnetometers.

MAGNETIC DISTURBANCES.

The following notes briefly summarise, month by month, the magnetic conditions exhibited by the traces of Declination, Horizontal Intensity and Vertical Intensity recorded at the Abinger Magnetic Station in the year 1936.

January.—With the exception of a few small undulations traces were quiet until 4^h on 8th. Some irregular disturbance then began, not of any great extent, which lasted until the end of 14th. The largest movements occurred at $10^d.18^h$ and $13^d.2^h$ when a wave approaching 15′ in D and 50γ in H appeared in each case. After a short quiet interval further unsteadiness developed at $18^d.0^h$, at first oscillatory and then irregular, which finally culminated in a brisk disturbance lasting from $24^d.17^h$. to $25^d.16^h$. The features of this disturbance were: a temporary decrease in D of 15′, from $24^d.20^h$ to $25^d.2^h$, a range of 110γ in H, and a rapid increase of 80γ in V between $24^d.18^h$ and 21^h. Unsteadiness, often of a marked oscillatory character, persisted until the end of the month, excepting a quiet interval from $28^d.14^h$ to $29^d.16^h$. A conspicuous wave in D (−20′) and in H (+70γ) occurred at $26^d.21^h$, which however had no counterpart in V.

The range in declination during the month was from 11°4′·6 on 26th to 11°34′·7 on 24th; in horizontal intensity, from ·18432 on 24th to ·18567 on 8th; in vertical intensity from ·42981 on 17th and 18th to ·43070 on 24th.

February.—After nearly two days of quiet conditions, moderate unsteadiness began rather abruptly, at $15^h.7^m$ on 2nd. This gradually died away on 4th, but did not wholly disappear. On 9th unsteadiness increased again, becoming continuous on 10th with several movements approaching 10′ in D and 50γ in H. From 12th to noon on 14th conditions were almost quiet. During the second half of 14th further unsteadiness developed and gradually increased; and conditions remained disturbed generally until the end of 27th. The most active periods were $16^d.11^h$ to $17^d.22^h$—a series of rapid oscillations in all traces—; $19^d.15^h$ to $20^d.2^h$—a sharp rise in V (50γ), followed by waves in all traces, (130γ in H)—; and $21^d.15^h$ to $22^d.23^h$—movements exceeding 50γ in H. A quiet day on 28th was followed by slight general unsteadiness from $29^d.14^h$, which however had practically ceased at the end of the month.

The range in declination during the month was from 11°.8′·7 on 19th to 11°.34′·9 on 17th; in horizontal intensity, from ·18447 on 16th to ·18584 on 19th; in vertical intensity, from ·42970 on 16th to ·43042 on 17th.

March.—The traces, though occasionally rather unsteady, were not subject to any marked disturbance until 17th. From 2nd to 4th and from 11th to 13th conditions were quiet. After 17^d disturbances steadily increased. Prominent movements occurred each day, those between $24^d.20^h$ and $26^d.3^h$ being perhaps the most conspicuous. None, however, much exceeded 15′ in D or 50γ in H. By 28^d disturbance had subsided to normal slight unsteadiness and no further movements of note occurred during the remainder of the month.

The range in declination during the month was from 11°.7′·2 on 23rd to 11°.34′·6 on 24th; in horizontal intensity from ·18449 on 21st to ·18574 on 27th; in vertical intensity, from ·42964 on 15th to ·43044 on 23rd.

April.—Slight disturbance was recorded during the first three days and, in addition, two prominent waves occurred in D,—at $2^d.21^h$ (−20′) and $3^d.20^h$ (−15′). A quiet period ensued, persisting, with short intermittent unsteadiness, until the end of 11th. Disturbance then became general until 24th. It was of minor extent at first, although a feature was the daily rapid increase of V (about 50γ) between 11^h and 17^h, but after $17^d.0^h$ considerable movements in all traces were to be seen. The traces during two interesting stages of activity are reproduced in Plates I and II, and a few of the most prominent movements are mentioned here. At $17^d.0^h$—2^h a decrease of 30′ in D, partially recovering by $17^d.5^h$, accompanied by related movements in H (90γ) and V (−40γ); at $21^d.22^h$—24^h, several large oscillations in H (the largest, +100γ), with corresponding movements in V, the whole range in V being almost 100γ. After $22^d.0^h$ disturbance gradually diminished, but several waves of 10′ in D and 50γ in H occurred each day until 24th. There was also a very rapid rise in V (80γ) between $22^d.12^h$—$14\frac{1}{2}^h$. From 25th to the end of the month slight general unsteadiness prevailed, no day being absolutely quiet.

The range in declination during the month was from 11°.3′·5 on 18th to 11°.38′·0 on 21st; in horizontal intensity, from ·18435 on 22nd to ·18607 on 21st; in vertical intensity, from ·42941 on 21st to ·43060 on 18th.

May.—A sequence of nine almost quiet days at the beginning of the month was temporarily interrupted by a short period of disturbance extending from 12^h to 23^h on 4th, in which movements of 15′ in D, 90γ in H and 50γ in V occurred. From 10th to 22nd conditions were disturbed generally. The largest movements took place on 10th, 12th, 18th and 19th, while on 11th, from 10^h to 14^h, there was a period of unusually rapid oscillation in H. The principal features were:—$10^d.18^h$ —20^h two waves in H (+80γ); $12^d.18^h$ a sharp wave in H (+90γ) following seven hours of remarkably uniform undulation which coincided with a steady increase in V (80γ); $18^d.19^h$ waves of −18′ in D and +80γ in H; $18^d.10^h$ to $19^d.2^h$ considerable unsteadiness in V, with a range of 50γ. After $23^d.0^h$ there was a nearly quiet interval which lasted until $25^d.12^h$, and then moderate unsteadiness set in again which persisted in varying degree for the rest of the month. An additional feature was a short period of rapid irregular oscillation in H and V, commencing suddenly at $30^d.17^h.27^m$ and lasting until about $31^d.4^h$.

The range in declination during the month was from 11°.10′·6 on 31st to 11°.35′·8 on 11th; in horizontal intensity, from ·18454 on 19th to ·18661 on 12th; in vertical intensity, from ·42957 on 10th to ·43043 on 12th.

June.—At $1^d.16^h.44^m$ an abrupt increase of intensity occurred (90γ in H and 30γ in V), rather like the sudden commencement of a disturbance. The increase rapidly disappeared and was lost in less than fifteen minutes. Marked unsteadiness persisted, however, during the next two days. Then followed a nearly quiet period ending at about $7^d.12^h$. Unsteadiness developed to a state of moderate disturbance by $8^d.18^h$. This continued to increase in activity until $9^d.18^h$. There were several large movements in H between $9^d.6^h$ and 18^h, the total range being 180γ comprised within two hours. Activity subsided considerably after 10^d, but a condition of unsteadiness resembling irregular undulation was left which did not wholly disappear until the end of 17th. At $18^d.9^h.44^m$ a small displacement of the horizontal intensity trace is seen which probably marks the commencement of the large disturbance, the subject of Plate III. The development of this disturbance was delayed, however, until $18^d.16^h$ and was confined largely to intensity, disturbance in declination being relatively small. The period of greatest activity coincided remarkably with the occurrence of a solar eclipse which was total in south-east Europe, middle and north east Asia. Reference to the magnetic records made at Greenwich on the day 54 years earlier when a similar eclipse occurred under closely similar circumstances, showed no sign of a similar magnetic disturbance, so that nothing more than coincidence is indicated. Echoes of the disturbance, in the form of a train of small irregular waves, continued until about $20^d.8^h$. From 21^d to the end of the month the traces were practically featureless, with the exception of two short periods of minor disturbance, $24^d.14^h$ to $25^d.2^h$ and $26^d.12^h$ to $27^d.3^h$

The range in declination during the month was from 11°.7′·5 on 8th to 11°.34′·9 on 19th; in horizontal intensity, from less than ·18365 (representing the edge of the recording sheet) on 19th to ·18616 on 2nd; in vertical intensity, from ·42905 to ·43088 both on 19th.

July.—Conditions were rather unsteady at first, and several waves in the H trace approached 50γ on 2nd. An abrupt movement in all traces occurred at $4^d.2^h.32^m$, followed by small range agitation which lasted till $4^d.5\frac{1}{2}^h$. Unsteadiness increased during the next day, and on the succeeding day there were again several waves of 50γ in the H trace. By $10^d.12^h$ a state of moderate disturbance was existing, with ranges of 100γ in H, 60γ in V and numerous fluctuations in D. Agitation became very marked between $11^d.14^h$ and 20^h, oscillations of 50 γ and more in H occurring within a few minutes, though disturbance in D remained comparatively small. A similar outburst of agitation even more rapid but not so extensive in range, took place between $17^d.22\frac{1}{2}^h$ and $18^d.4^h$ and was preceded by an abrupt movement at $17^d.17^h.16^m$. Unsteadiness declined after this to a nearly quiet state from $21^d.0^h$ to $25^d.0^h$. Activity then recommenced, increasing generally until $29^d.17^h$ and falling off temporarily for a quiet spell between $30^d.10^h$ and $31^d.8^h$.

The range in declination during the month was from 11°.4′·3 on 2nd to 11°.36′·3 on 29th; in horizontal intensity, from ·18438 on 7th and 11th to ·18631 on 11th; in vertical intensity, from ·42971 on 28th to ·43083 on 2nd.

August.—The prevailing characteristic of the traces throughout the month was general unsteadiness. This varied from days which were nearly but never altogether quiet, namely 7th, 18th, 19th to 23rd, to days on which one or two movements of 50γ in H and 10′ in D were to be seen, namely 8th, 27th, 30th. On no day of the month was there any activity which could rank as a "disturbance," and taken as a whole the magnetic conditions were unusually uniform, a circumstance which is reflected to a certain extent in the ranges.

The range in declination during the month was from 11°.7′·4 on 8th and 30th to 11°.32′·5 on 5th; in horizontal intensity, from ·18478 on 10th to ·18589 on 30th; in vertical intensity, from ·42962 on 27th to ·43033 on 5th.

September.—As in the previous month, there were very few movements which could not be included in the broad classification of general unsteadiness. The unsteadiness was sometimes definitely undulatory in character. This was specially noticeable on 1st, 5th, 8th, 15th, 18th to 20th, 23rd, 27th and 29th, periods ranging from ten minutes to one hour being found. Quiet days were 7th, 13th, 16th and 25th. The day which approached nearest to a state of disturbance was 26th, but even on that day no superposed movement exceeded 50γ.

The range in declination during the month was from 11°.8′·1 to 11°.33′·6, both on 26th; in horizontal intensity from ·18462 to ·18574 both on 26th; in vertical intensity, from ·42972 on 17th to ·43068 on 26th.

October.—After four nearly quiet days activity gradually increased from 12^h on 5th. At $6^d.22^h$ there was a wave of +75γ in H accompanied by a small decrease in V. Activity reached a maximum during the first half of 10th. It then rapidly declined and conditions were nearly quiet between $12^d.0^h$ and $14^d.15^h$. Further activity then began, which at $16^d.15^h$ suddenly increased to a condition of moderate disturbance. In the subsequent sixteen hours a series of irregular movements occurred in all traces. In V there was a general rise amounting to 90γ between 14^h and 19^h, followed by an even larger fall of 115γ between $16^d.19\frac{1}{2}^h$ and $17^d.3^h$. In H the range was 130γ and in D almost 30′. The traces are reproduced in Plate IV. After $17^d.8^h$ activity died rapidly away, though general unsteadiness persisted until $21^d.6^h$. A second rather active period began at $23^d.18^h$, lasting until about $25^d.16^h$. The largest movement was one of −80γ in H, and there was a slow surge in V of nearly the same amount (+70γ) between $24^d.12^h$ and $25^d.0^h$. No further movement of note took place until 31st, when a short period of unsteadiness began with a sudden impulse at $1^h.24^m$ and ended at about 18^h.

The range in declination during the month was from 10°.57′·6 on 16th to 11°.30′·4 on 17th; in horizontal intensity, from ·18427 on 16th to ·18592 on 6th; in vertical intensity, from ·42965 on 17th to ·43084 on 16th.

November.—There was some unsteadiness on 3rd followed by a conspicuous wave in each trace at $3^d.20^h$ (−20′ in D, +120γ in H and −50γ in V). Unsteadiness persisted in varying amount until 22nd. It was greatest during the period between $11^d.16^h$ to 23^h when it attained the dimensions of a slight disturbance, ranges of 20′ in D and 100γ in H being shown, while between $9^d.12^h$ and $10^d.12^h$ and again between $13^d.0^h$ and $14^d.0^h$ there was almost complete steadiness. From $22^d.0^h$ to $28^d.23^h$ conditions were quiet or nearly so. Then, at $28^d.23^h.38^m$, an abrupt

movement in all traces marked the sudden commencement of a brisk disturbance which lasted for about fifteen hours. The ranges were not remarkable (less than 200γ in H and 40′ in D) but at one time the oscillations were unusually rapid, and on this account were partially lost in H. The traces are reproduced in Plate V. By $30^{d}.0^{h}$ the disturbance had subsided to normal slight unsteadiness.

The range in declination during the month was from 11°.2′·1 on 3rd to 11°.44′·7 on 29th; in horizontal intensity, from ·18444 on 29th to ·18620 on 28th; in vertical intensity, from ·42950 on 29th to ·43069 on 3rd and 11th.

December.—The prevailing characteristic of the traces throughout the month was slight general unsteadiness, intensified on 4th and 13th, abating on 8th—11th, 14th—15th, 19th, 24th—26th, but seldom entirely absent. Nothing approaching a disturbance occurred until 27th when, after a premonitory movement in all traces at $3^{h}.30^{m}$, a period of moderate activity began which extended from about $27^{d}.17^{h}$ to $28^{d}.18^{h}$. The movements were numerous and of an oscillatory type, but the individual amplitudes did not exceed 10′ in D and 50γ in H. The total range in V, however, reached 100γ. By $29^{d}.0^{h}$ conditions were nearly quiet again, and so continued during the remainder of the month.

The range in declination during the month was from 11°.2′·2 on 27th to 11°.26′·3 on 28th; in horizontal intensity, from ·18438 on 28th to ·18568 on 27th; in vertical intensity, from ·42983 to ·43086 both on 28th.

The absolute maximum and minimum values respectively of the elements recorded during the year were:

Declination 11°.44′·7 on November 29th; 10°.57′·6 on October 16th.

Horizontal intensity ·18661 on May 12th; less than ·18365 (probably about ·18340) on June 19th (The actual minimum was beyond the range of the recording sheet).

Vertical intensity, ·43088 on June 19th; ·42905 on June 19th.

GREENWICH METEOROLOGICAL OBSERVATIONS. 1936.

INTRODUCTION.

Meteorological Instruments.

The majority of the meteorological instruments are situated in an enclosure in Greenwich Park, 350 yards to the east of the Astronomical Observatory. In the enclosure (which will be referred to as " The Christie Enclosure ") there are the thermometers used for ordinary eye observations, the photographic wet-bulb and dry-bulb thermometers, thermometers for solar and terrestrial radiation, two earth thermometers, and two rain-gauges.

The anemometers, the self-registering rain gauge and the sunshine recorder are fixed above the roof of the Octagon Room (the ancient part of the Observatory).

Subjects of Observation in the year 1936.

The observations comprise eye observations of the ordinary meteorological instruments, including the barometer, dry-bulb and wet-bulb thermometers, radiation and earth thermometers ; continuous photographic record of the variations of the barometer, dry-bulb and wet-bulb thermometers ; continuous automatic record of the direction, pressure and velocity of the wind, and of the amount of rain ; registration of the duration of sunshine and, at night, of the visibility of stars near the Pole ; general record of ordinary atmospheric changes of weather, including numerical estimation of the amount of cloud, estimations of " visibility ", and occasional phenomena. Beginning on 1935 January 1, continuous record of the electric current discharged from a point 30 feet above the surface of the ground has been in operation. Registration of atmospheric potential gradient was discontinued at the end of June, 1933. On 1935 January 1, daily measurement was begun of the amount of sulphur dioxide polluting the air. Registration and measurement of the pollution of the air by suspensoids was commenced on 1934 July 1, the instrument employed being an Owens automatic filter.

Universal Time (U.T.)—which at the Royal Observatory coincides with local mean solar time—has been employed throughout the meteorological section, except in regard to the sunshine registers (see p. E. 7).

STANDARD BAROMETER.—The standard barometer is Newman No. 64. Its tube is 0·565 inches in diameter, and the depression of the mercury due to capillary action is 0·002 inches, but no correction is applied on this account. The cistern is of glass, and the graduated scale and attached rod are of brass ; at its lower end the rod terminates in a point of ivory, which in observation is made just to meet the reflected image of the point as seen in the mercury. The scale is divided to 0·05 inches, subdivided by vernier to 0·002 inches. The barometer was mounted in 1840 on the southern wall of the western arm of the Upper Magnet Room at a height above mean sea level of 159 feet. On 1917 April 3, it was transferred to the new magnetograph house in the Christie Enclosure, where the height above mean sea level is 152 feet. (See also p. E 9.)

The barometer is read at 9h., 12h. (noon), 15h., 21h., every day. Each reading is corrected by application of an index-correction, and reduced to the temperature 32°F. The readings thus found are used to determine the value of the instrumental base-line on the photographic record.

THE PHOTOGRAPHIC BAROMETER.—A siphon barometer is employed which, at its open end, operates a plunger resting on the surface of the mercury. On account of the optical magnification associated with a moving mirror at some distance from the recording drum, the motion of the plunger must be mechanically reduced in being transferred to the arm which carries the mirror. In the actual arrangement two levers are used. One is connected to the stem of the plunger resting on the free surface of the mercury and is 12 inches long from plunger to pivot. A pin with a rounded conical point is screwed into this lever at a distance of 1 inch from the pivot. On this pin rests the plane under-surface of a shorter lever, which is 4 inches long from its pivot to the pin, and is set at right angles to the first lever. Both levers are approximately horizontal in their mean position. On the short lever is mounted the moving mirror of the instrument horizontally in a suitable frame attached to the lever, just above the pivots of the latter. The first lever lies east and west, so that the axis about which the mirror turns is in the same direction. The recording drum is horizontal and the motion of the beam of light is transformed so as to be horizontal by a fixed right-angled prism supported above the mirror. A lens of suitable focus is mounted in a vertical plane in front of the prism, and brings the beam of light from the straight-filament lamp to a focus on the drum. A base-line mirror, similar to the moving mirror, is mounted in a vertical plane behind the lower half of this lens. Provision is made for all necessary adjustments of the directions

of the two beams of light. The weight of the plunger and lever mechanism is relieved by a balance weight on the far side of the pivot, so that the plunger rests on the mercury surface without appreciably depressing it.

The instrument is 12 feet from the recording drum. At this distance the calculated scale value of the record is 3 in. on the sheet for 1 in. change of height of the mercury column of the standard barometer. (Both arms are, near the surface of the mercury, of the same bore, so that the plunger moves through one half the change of the indication of the standard barometer.)

The scale value of the instrument is, in effect, determined experimentally by comparison with the readings of the standard barometer. The base-line values corresponding to the four daily readings of the latter are represented graphically by points on a chart. The adopted value at any time is read from a smooth curve drawn through the points.

The photographic sheets being $9\frac{1}{2}$ inches wide, a range of over 3 inches barometric motion can be included, and change of zero is unnecessary.

DRY-BULB AND WET-BULB THERMOMETERS.—The standard dry-bulb and wet-bulb thermometers and maximum and minimum self-registering thermometers, both dry and wet, are mounted on a revolving frame planned by Sir George Airy. This, together with details of the thermometers and the corrections applicable to them, may be found fully described in the volumes for 1912 and previous years.

Since 1899 January 4 this stand has occupied an open position in the Christie Enclosure.

The corrections to be applied to the thermometers in ordinary use are determined by comparison with the Kew standard thermometer No. 515.

The dry-bulb thermometer used throughout the year was Negretti and Zambra, No. 45354. The correction $-0^{\circ}\cdot4$ has been applied to the readings of this thermometer. The wet-bulb thermometer used throughout the year was Negretti and Zambra, No. 94737. The correction $-0^{\circ}\cdot2$ has been applied to the readings of this thermometer.

The dry-bulb and wet-bulb thermometers are read at 9h., 12h. (noon), 15h., 21h. every day. Readings of the maximum and minimum thermometers are taken at 9h., 15h., and 21h. every day. Those of the dry-bulb and wet-bulb thermometers are employed to correct the indications of the photographic dry-bulb and wet-bulb thermometers.

PHOTOGRAPHIC DRY-BULB AND WET-BULB THERMOMETERS.—The apparatus, which has been in use since 1887, was designed by Sir William Christie. Until 1917 it stood in substantially the same position in the Observatory grounds, to the north of the New Observatory. It was transferred to the Christie Enclosure on 1917 February 21. It is placed in a shed 8 feet square, standing upon posts about 8 feet high, and open to the north. The apparatus is screened from the direct rays of the sun, without impeding the circulation of the air. The recording mechanism is similar in general plan to that described in connection with the magnetometers. The traces consist of broad bands, due to the free passage of light (above the mercury column of the dry-bulb thermometer, and through an air bubble in that of the wet-bulb thermometer) to the drum, crossed by fine lines caused by the shadows of the graduations of the thermometer tubes. The two traces fall on the same part of the cylinder as regards time scale. The stems of the thermometers are placed close together, each being covered by a vertical metal plate having a fine vertical slit, so that light passes through only at such parts of the bore of the tube as do not contain mercury. Further details of the thermometers and recording arrangements may be found in the volume for 1912. The scale value of the records is approximately 10° per inch.

RADIATION THERMOMETERS.—These thermometers are placed in an open position in the Christie Enclosure. The thermometer for solar radiation is a mercurial maximum thermometer with its bulb blackened and enclosed in a glass sphere from which the air has been exhausted. The thermometer employed was Negretti and Zambra, No. K2254. The thermometer for radiation to the sky is a spirit minimum thermometer, Negretti and Zambra, No. D11197. The thermometers are laid on short grass, freely exposed to the sky.

EARTH THERMOMETERS.—There are two thermometers now in use, the bulbs of which are sunk to depths of 4 feet and 1 foot respectively below the surface. Both thermometers are read daily at noon, the readings of the former being given in the daily results.

OSLER'S ANEMOMETER.—This self-registering anemometer, devised by Mr. A. F. Osler, for continuous registration of the direction and pressure of the wind and of the amount of rain, is fixed above the north-western turret of the ancient part of the Observatory. The direction of the wind is registered by means of a large vane (9ft. 2in. in length), connected by gearing with a rack-work carrying a pencil; the latter marks on a flat horizontally moving sheet of paper. The vane is 25 feet above the roof of the Octagon Room, 60 feet above the adjacent ground, and 215 feet above the mean level of the sea. A fixed mark on the north-eastern turret, in a known azimuth, as determined by celestial observation, is used for examining at any time the position of the direction plate over the registering table, to which reference is made by means of a direction pointer when adjusting a new sheet on the travelling board.

A circular pressure plate with an area of 192 square inches is attached 2 feet below the vane; moving with the latter, it is always kept directed against the wind. A light wind causes the plate to compress slender springs, the motion being registered on the horizontal sheet by a pencil connected with the plate by a flexible brass chain, which is always in tension. Higher wind pressures bring stiffer springs into play behind the plate, and the two sets of springs are adjusted by screws and clamps so as to afford fixed scales on the sheet, the scale for light winds being double that for heavy winds. The scale is determined experimentally in lbs per square foot from time to time. The most recent determination was made on 1934 November 20.

The recording sheet is changed daily at noon. The time scale, ordinarily 15mm. to the hour, can be increased 24-fold by altering the gearing.

ROBINSON'S ANEMOMETER.—This instrument, for registration of the horizontal movement of the air, is mounted above the roof of the Octagon Room and was brought into use in 1866. The four hemispherical cups are 5 inches in diameter, the centre of each cup being 15 inches distant from the vertical axis of rotation. The cups are 21 feet above the roof of the Octagon Room, 56 feet above the adjacent ground, and 211 feet above the mean level of the sea. A motion of the recording pencil through 1 inch corresponds approximately to horizontal motion of the air through 100 miles. The time scale is the same as for the Osler Anemometer and the sheet is changed daily at noon.

The velocity recorded by the instrument is three times the actual velocity v of the cups. From tests made by Mr. W. H. Dines at Hersham in 1889, on his whirling machine, it would appear that the relation between the velocity of the wind V and the velocity of the cups v is approximately

$$V = 4 \cdot 0 + 2 \cdot 0\, v$$

and that the instrument fails to record wind velocities less than 4 miles per hour. The values of the wind velocity given by the formula $V = 3\, v$ would thus be too high when V exceeds 12. Since the two formulæ agree, however, for $V = 12$, the mean values of the wind velocity (which seldom differ much from 12) will be approximately correct in either case. Until 1931, for the sake of continuity and simplicity the formula $V = 3\, v$ was retained in use, although the greatest hourly measures according to the revised formula were given in a table at the end of the volumes. From 1932 January all measures have been calculated from the revised formula.

RAIN GAUGES.—During the year 1936 three rain gauges were employed, placed at different elevations above the ground.

The gauge No. 1 forms part of the Osler Anemometer apparatus, and is self-registering, the record being made on the sheet on which the direction and pressure of the wind are recorded. The apparatus is fully described in volumes previous to 1914.

Gauge No. 6 is an 8-inch circular gauge placed with the receiving surface 5 inches above the ground. No. 8 is a newer gauge of the same diameter, but of the modified Snowdon pattern adopted by the Meteorological Office, having its receiving surface 1 foot above the ground. It was brought into use 1908 January 1, being fixed SW by W from No. 6 with a clear space of 6 feet between the rims. No. 6 is the standard gauge, and is read daily at 9h., 15h., and 21h. No. 8 is used as a check on the readings of No. 6 and is read at 9h. only as a rule. The gauges are also read at midnight on the last day of each calendar month.

The erection in the Christie Enclosure of a building to the north-west of gauges 6 and 8 to accommodate a large equatorial telescope made desirable the removal of these gauges to new positions. The removal was carried out on 1932 September 29, the new sites being approximately 42 feet east of the old ones.

The present height of the Standard Gauge above mean sea-level is 5 feet 9 inches less than in its old position in the Observatory Grounds, before its removal to the Christie Enclosure in 1899 January.

The monthly amounts of rain collected in gauges Nos. 6 and 8 are given on page E 46 of the Meteorological Results.

SUNSHINE RECORDER.—The hourly results relate to *apparent* time. The instrument in use is of the Campbell-Stokes pattern, with 4-inch glass globe. It was examined at the Meteorological Office on September 13, 1926, and was found to be in satisfactory condition. It now bears the serial number M.O. 113. The recorded durations are those of *bright* sunshine, no register being obtained when the sun shines faintly through fog or cloud, or is very near the horizon. Conformity with Meteorological Office standards of measurement is maintained as far as possible, and with this in view independent measures of nine selected sunshine cards taken from the months of January, July and September, 1936, have been made at the Meteorological Office. These showed, in general, good agreement with the Greenwich estimations, though on one day of very intermittent sunshine, the Greenwich estimate showed an excess of more than 0·5 h. over the Meteorological Office estimate.

NIGHT-SKY RECORDER.—The object of this instrument is to supplement the daily sunshine record, in so far as it gives an indication of the amount of cloud.

It consists of a small camera constructed of wood, mounted on a brick pier in the courtyard, to the north of the Transit Pavilion, and permanently directed towards the Celestial Pole.

The lens is of 18·8 inches focal length and 0·8 inch aperture. The actual camera is enclosed in a larger box about twice its length, extending nine inches beyond the lens. The lens itself is further surrounded by a hood. Adequate protection from dew is thus obtained, and also from rain, except when driven hard from the north. The photographic plates used are ordinary quarter-plate ($3\frac{1}{4}$ inches by $4\frac{1}{4}$). Exposure is intended to be made during the period that the sun remains more than 10° below the horizon. The period thus centres approximately to apparent midnight, but in practice the mean times of commencing and ending the exposure are not varied at intervals of less than seven days.

The traces selected for measurement are those of Polaris and of δ Ursæ Minoris. The measurement is effected by means of a glass scale, on which pairs of concentric circles are photographically imprinted. The radii of these circles are slightly greater and slightly less than the radius of the trace to be measured, and the circles are divided into a time scale of hour-angle, with ten-minute units. The plate is placed over the scale in a measuring frame, and adjusted so that the trace is concentric with the containing circles on the scale. The hour-angle of the star, according to the scale, at the commencement and ending of the various portions of the trace is then read off to the nearest minute of time.

The correction for error of orientation of the plate is made during the computation of mean time corresponding to hour-angle of star, in the following manner :— Whenever the sky is seen to be clear at the commencement of exposure, the difference between the hour-angle given by the scale for the beginning of the trace and the corresponding mean time noted by the observer is taken as the quantity to be applied to the scale readings throughout the night, due allowance being made for the acceleration of sidereal time over mean time. When the sky is not clear at commencement, a computed quantity is used which includes an adopted mean value of the error of orientation. Variations in the error of orientation are found seldom to exceed two or three minutes of time, and are unimportant to the records.

Meteorological Reductions.

The results given in the Meteorological Section refer to the day commencing at 0h. U.T., except in the case of the Night-Sky Recorder, for which they relate to the period from dusk on the day named, to dawn of the following day.

All results in regard to atmospheric pressure, temperature of the air and of evaporation, with deductions therefrom, are derived from the photographic records, excepting that the maximum and minimum values of air temperature are those given by eye-observation of the ordinary maximum and minimum thermometers at 9h., 15h., and 21h., reference being made, however, to the photographic register when necessary to obtain the values corresponding to the limits " midnight to midnight ". The hourly readings for the elements mentioned are measured direct from the photographic curves, and reduced so as to be based fundamentally, both as regards scale and zero, on the readings of the standard barometer, dry-bulb and wet-bulb thermometers.

The barometer results are not reduced to sea-level, neither are they corrected for the effect of gravity, by reduction to the latitude of 45°. The monthly mean barometer reading is, however, corrected for the effect of the change of site of April 1917 before deducing the deviation from the mean of sixty-five years 1841-1905 (pp. E 14-36). This correction, amounting to —·007 inch, was by oversight omitted in the years 1917-1926.

From 1926 January 1 the mean daily temperature of the dew-point and degree of humidity have been deduced from the mean daily temperatures of the air and of evaporation by use of *Hygrometric Tables* issued by the Meteorological Office, Air Ministry.

In the same way the mean hourly values of the dew-point temperature and degree of humidity in each month (pages E 41 and E 42) have been calculated from the corresponding mean hourly values of air and evaporation temperatures (pages E 40 and E 41).

The excess of the mean temperature of the air on each day above the average of sixty-five years, given in the "Daily Results of the Meteorological Observations," is found by comparing the numbers contained in column 5 with a table of average daily temperatures found by smoothing the accidental irregularities of the daily means reduced from the observations for the sixty-five years 1841-1905. In this series the mean daily temperature from 1841 to 1847 depends usually on 12 observations daily, in 1848 on 6 observations daily, and from 1849 to 1905 on 24 hourly readings from the photographic record. The smoothed numbers are given in Table VII, *Reduction of the Greenwich Meteorological Observations*, Part IV and also in the introduction for 1910.

The daily register of rain contained in column 16 is that recorded by the gauge No. 6, whose receiving surface is 5 inches above the ground. This gauge is read at 9h., 15h., and 21h. The continuous record of Osler's self-registering gauge shows whether the amounts measured at 9h. are to be placed to the same, or to the preceding day; and in cases in which rain fell both before and after midnight, also gives the means of ascertaining the proper proportion of the 9h. amount which should be placed to each day. The number of days of rain given in the footnotes, and in the abstract tables, pages E 39 and E 46, is formed from the records of gauge No. 6 In this numeration only those days are counted on which the fall amounted to or exceeded $0^{in.}\cdot 005$.

No particular explanation of the anemometric results is necessary. It may be understood generally that the greatest pressures usually occur in gusts of short duration. The " Mean of 24 Hourly Measures " was in former years the mean of 24 measures of pressure taken *at* each hour ; but commencing with 1887 January 1, it is the mean of measures, each one of which is the average pressure during the hour of which the nominal hour is the middle point.

With regard to the " Proportions of Wind referred to the cardinal points " in the monthly summary on pp. E 14—37, formerly the figures were such that the whole month was represented by the number of days in the month. In the 1933 volume a change was made, and the whole month is now represented by 100, so that the figures are the equivalent of " percentages."

The mean amount of cloud given in the footnotes on the right-hand pages E 15 to E 37, and in the abstract table, page E 39, is the mean found from observations made at 9h., 12h. (noon), 15h., and 21h. each day.

As regards the notation for clouds and weather, several changes were made in the 1934 volume in order to bring the symbols into general accordance with those in use at the British Meteorological Office.

The following are the symbols which have been adopted. Where a change from the symbol previously in use has been made, an asterisk (*) is placed after the word or words for which the symbol stands.

BEAUFORT WEATHER NOTATION.

(modified in conformity with the usage of the British Meteorological Office).

b, blue sky (less than one quarter covered with cloud)
bc, sky partially cloudy (less than three-quarters covered)
c, sky generally cloudy, but not completely overcast
d, drizzle
e, wet air without falling rain
f, fog, with objects invisible distant more than 1100 yards
F, fog, with objects invisible distant more than 220 yards
g, gloom (*)
h, hail (*)
i, intermittent
k, storm (in combination with other symbols) (*)

l,	lightning
m,	mist, with limit of visibility between 1100 and 2200 yards
o,	sky overcast with unbroken cloud
p,	passing showers (*)
q,	squall (*)
r,	rain
s,	snow (*)
rs,	sleet (*)
t,	thunder
u,	threatening sky
v,	exceptional visibility ; i.e. abnormal transparency of air
w,	dew (*)
x,	hoar frost (*)
y,	dry air ; i.e. relative humidity less than 60 per cent.
z,	haze (*)

A capital letter indicates " intense "
The suffix $_{o}$ indicates " slight "
A letter repeated indicates " continuous "

CLOUD FORMS (*)

Acu,	Alto-cumulus	*Cu,*	Cumulus
Ast,	Alto-stratus	*Cunb,*	Cumulo-nimbus
Ci,	Cirrus	*Nbst,*	Nimbo-stratus
Cicu,	Cirro-cumulus	*St,*	Stratus
Cist,	Cirro-stratus	*Stcu,*	Strato-cumulus
		Fr,	Fracto-

ADDITIONAL SYMBOLS

lu-ha,	lunar halo	*so-ha,*	solar halo
prhn,	parhelion		

H. SPENCER JONES,
ASTRONOMER ROYAL.

1937, July 17.

ROYAL OBSERVATORY, GREENWICH.

Results of Meteorological Observations

1936

MONTH and DAY, 1936	Barometer. Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Temperature. Of the Air. Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Of Evaporation. Mean of 24 Hourly Values.	Of the Dew Point. Deduced Mean Daily Value.	Difference between the Air Temperature and Dew Point Temperature. Mean.	Greatest.	Least.	Degree of Humidity (Saturation = 100).	Temperature. Of Radiation. Highest in Sun's Rays.	Lowest on the Grass.	Of the Earth 4 ft. below the Surface of the Soil.	Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
	in.	°	°	°	°	+ °	°	°	°	°	°		°	°	°	in.	hours	hours
Jan. 1	29·018	48·7	44·4	4·3	46·5	+ 7·9	45·6	44·5	2·0	5·4	0·4	93	55·3	41·2	45·0	0·299	0·0	7·9
2	29·017	46·5	41·6	4·9	44·9	+ 6·5	44·2	43·5	1·4	2·9	0·9	94	53·5	35·9	45·0	0·017	0·0	7·9
3	29·184	44·1	35·2	8·9	38·1	− 0·2	37·5	36·6	1·5	2·5	0·4	94	41·4	31·6	45·1	0·012	0·0	7·9
4	29·711	45·5	36·2	9·3	41·6	+ 3·3	40·2	38·3	3·3	5·0	1·2	88	55·7	31·9	45·2	0·000	0·7	8·0
5	29·551	45·2	34·1	11·1	40·8	+ 2·6	39·5	37·7	3·1	7·7	0·7	88	50·3	30·0	45·3	0·046	0·0	8·0
6	29·122	46·8	42·0	4·8	44·9	+ 6·8	43·0	40·5	4·4	6·0	3·1	85	57·0	38·1	45·2	0·185	1·1	8·0
7	29·125	45·0	40·6	4·4	43·3	+ 5·3	42·3	41·0	2·3	3·6	1·2	92	49·2	36·3	45·1	0·310	0·1	8·0
8	29·316	49·1	41·0	8·1	45·4	+ 7·5	44·2	42·7	2·7	4·5	1·0	91	53·2	37·0	45·1	0·104	0·0	8·1
9	29·302	56·1	44·7	11·4	50·8	+12·9	49·1	47·3	3·5	9·8	1·6	88	55·2	40·2	45·1	0·253	0·0	8·1
10	29·326	55·0	48·7	6·3	51·7	+13·8	48·7	45·5	6·2	8·6	5·4	79	74·0	44·5	45·2	0·088	2·6	8·1
11	29·872	48·8	39·6	9·2	43·3	+ 5·4	39·1	32·5	10·8	13·9	7·5	66	52·0	33·2	45·2	0·000	0·0	8·2
12	30·059	41·0	29·7	11·3	36·6	− 1·3	35·1	32·7	3·9	8·8	0·8	85	48·9	24·1	45·2	0·000	0·2	8·2
13	30·045	40·1	30·3	9·8	35·1	− 2·9	33·9	31·8	3·3	7·1	0·8	88	43·8	25·1	45·2	0·000	0·0	8·2
14	30·125	37·3	26·8	10·5	31·3	− 6·7	30·1	27·7	3·6	13·0	0·3	86	43·2	17·7	45·0	0·000	1·1	8·3
15	29·981	35·4	24·8	10·6	30·6	− 7·5	29·2	26·3	4·3	8·9	0·7	84	39·2	16·9	44·8	0·002	0·0	8·3
16	29·450	36·9	31·7	5·2	34·0	− 4·3	32·9	30·9	3·1	3·8	0·0	89	48·8	28·6	44·5	0·173	0·0	8·3
17	29·226	35·3	27·8	7·5	32·6	− 5·9	31·2	28·7	3·9	7·9	0·0	86	43·4	24·6	44·0	0·110	1·0	8·4
18	29·246	37·3	28·1	9·2	33·7	− 4·9	32·5	30·3	3·4	6·8	0·3	87	39·8	25·9	43·8	0·199	0·1	8·4
19	29·187	38·0	25·1	12·9	32·2	− 6·5	31·7	30·9	1·3	3·3	0·0	95	44·5	25·3	43·5	0·055	0·0	8·5
20	28·817	48·4	38·0	10·4	43·4	+ 4·6	41·5	38·9	4·5	9·8	0·0	84	65·8	35·9	43·3	0·262	1·0	8·5
21	29·051	43·0	35·4	7·6	38·7	− 0·1	35·4	29·5	9·2	14·4	4·7	69	66·3	31·6	43·1	0·000	4·7	8·6
22	29·331	40·7	29·6	11·1	34·6	− 4·2	33·3	31·0	3·6	8·6	0·5	86	56·2	26·2	43·0	0·129	1·7	8·6
23	29·560	41·6	31·6	10·0	36·5	− 2·4	34·7	31·6	4·9	7·0	1·3	82	57·7	28·6	42·9	0·000	2·9	8·6
24	29·441	44·0	33·5	10·5	38·8	− 0·1	37·1	34·5	4·3	10·6	0·9	84	57·3	30·6	42·8	0·114	0·0	8·7
25	29·158	49·0	39·0	10·0	44·9	+ 5·8	44·5	44·1	0·8	2·2	0·0	97	59·8	38·0	42·7	0·034	0·0	8·7
26	29·215	48·0	37·6	10·4	44·3	+ 5·0	43·1	41·6	2·7	8·7	0·4	90	67·5	32·3	42·7	0·110	3·5	8·8
27	29·258	47·2	36·9	10·3	43·4	+ 3·9	41·9	39·9	3·5	5·1	0·4	87	54·0	32·8	42·8	0·076	0·0	8·9
28	29·221	51·6	42·5	9·1	46·5	+ 6·9	44·3	41·6	4·9	14·3	0·8	83	68·0	38·7	43·0	0·584	0·4	8·9
29	28·966	50·7	37·6	13·1	45·7	+ 6·0	44·2	42·3	3·4	6·3	1·2	88	70·1	32·7	43·1	0·042	0·2	8·9
30	29·321	49·9	37·8	12·1	44·3	+ 4·6	43·0	41·4	2·9	7·1	1·2	89	71·1	32·9	43·2	0·059	1·5	9·0
31	29·151	52·1	46·6	5·5	49·2	+ 9·5	47·3	45·2	4·0	9·2	1·4	86	55·3	41·4	43·4	0·290	0·0	9·1
Means	29·366	45·1	36·1	9·0	40·9	+ 2·3	39·4	37·1	3·8	7·5	1·3	86·5	54·8	31·9	44·1	Sum 3·553	0·7	8·4
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.
The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·366in., being 0·435in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.
The highest in the month was 56°·1 on January 9; the lowest in the month was 24°·8 on January 15; and the range was 31°·3.
The mean of all the highest daily readings in the month was 45°·1, being 2°·0 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 36°·1, being 2°·4 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 9°·0, being 0°·4 less than the average for the 65 years, 1841–1905.
The mean for the month was 40°·9, being 2°·3 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
Jan. 1	0·9	0·07	0·3	0·03	S : SSW	S : Calm : WSW	3·6	0·15	262	c d$_o$ rr	r c *Nbst* r$_o$ r	c *Nbst* ir	c i r m
2	0·9	0·07	0·8	0·06	SW : S	SW	0·2	0·01	214	c d	d c r$_o$ m	r$_o$ c *Acu* m	c m$_o$ o
3	2·0	0·15	0·9	0·06	Calm	N : W	0·2	0·00	176	o m$_o$	o m f	ff	f c r m
4	10·4	0·75	9·1	0·66	W : WSW	WSW	1·0	0·05	285	c m	c *Stcu* m	c b m	b m w
5	4·3	0·31	3·5	0·26	S	SSE : S	4·0	0·35	337	b w c	c *Ast*	c *Stcu* bc	c r c
6	5·7	0·41	4·3	0·31	S : SSW	SSW	4·6	0·50	383	c	c i r	c b c *Ci Acu*	c *lu.-ha* r b c
7	2·3	0·16	1·9	0·14	S : SSE	SSW : SW	1·2	0·08	275	c r$_o$ r	r r$_o$	r R r b *Acu* m$_o$	c r$_o$
8	5·3	0·39	4·7	0·34	WSW : SSW	SSW	5·0	0·39	354	c	c *Ast* r$_o$	r$_o$ rr d$_o$	d$_o$d$_o$
9	..	..	..	..	SW : SSW	SSW : SW	20·0	1·98	481	r b c	c *Nbst* i r$_o$	c i r$_o$ q r	r$_o$ c
10	..	..	..	..	SW	SW : WSW	16·0	2·30	—	c r$_o$ r	c p b *Frcu*	bc *Frcu*	c b
11	0·0	0·00	0·0	0·00	W	W : WSW	10·5	1·03	414	b c b	b bc m$_o$	c *Ci so-ha* y b c	c m
12	4·9	0·37	4·3	0·32	WSW : Calm	Calm	0·0	0·00	147	c m	c b *Ci* m f	b f m f	b x f
13	12·0	0·91	6·6	0·50	Calm	W : Calm	0·1	0·01	174	c f	c *Acu* f	c *Acu* b f	b f x
14	13·3	1·00	10·3	0·78	Calm	NE : Calm	0·0	0·00	174	b f b x	b *Ci* f	b *Ci* f m	b m x
15	6·3	0·47	2·0	0·15	Calm	Calm : ESE	0·5	0·01	180	b c m x	c *Stcu* m f	c s$_o$ f b m	c
16	0·0	0·00	0·0	0·00	ESE : E	Calm : NE : NNE	0·4	0·01	218	c	c s$_o$ s d$_o$m	c s r c m	c ss rs
17	5·4	0·41	5·1	0·39	NNE : N	N : NW : WSW	3·9	0·47	391	rs d	d c r$_o$s$_o$c m	c b *Frcu* m$_o$	b c
18	2·3	0·17	0·0	0·00	SW : NW	NNW : Calm	2·2	0·15	261	c s c rr	rr ss c f	c b m c f	f F
19	0·0	0·00	0·0	0·00	Calm : ENE	E : ESE	0·6	0·03	212	f b x F	F c s f	c f c	c r r$_o$
20	5·2	0·40	3·8	0·29	SE : SSW	SSW : SW	7·1	0·85	425	c rr	c *Stcu*	c *Nbst* R i r	c i r$_o$
21	12·5	0·97	12·5	0·97	SW : WSW	WSW	6·0	0·90	—	c b	b c *Stcu*	c *Stcu* y b	b
22	9·5	0·73	8·2	0·63	WSW : SW	SW : WSW	1·4	0·05	—	b x	b c *Ast* m	c m$_o$ r$_o$ rs	rs c b
23	2·5	0·20	1·9	0·14	WSW	WSW : SW	0·8	0·09	—	b x	b f c m	*c Cist so.-ha* c m	c r$_o$
24	0·0	0·00	0·0	0·00	Calm : SE	ESE	2·0	0·06	—	c r$_o$ b	c *Ci so.-ha*	c r$_o$ r	r r$_o$
25	0·0	0·00	0·0	0·00	Calm : SE	SE : Calm	0·3	0·01	—	o d$_o$	o d$_o$ F m	c d$_o$ r d$_o$	c r$_o$ c
26	9·0	0·71	8·6	0·67	Calm : WSW	SW : SSW	1·2	0·04	—	c r dd	b c *Frcu* m	c m	c b
27	5·7	0·44	5·1	0·40	S : SSW	SSW : SW	5·5	0·36	—	b w c	c *Nbst* r$_o$ r	r c *Ast* b	c r c b
28	0·0	0·00	0·0	0·00	SSW	WSW : Calm : S	3·7	0·55	—	b c	c rr c *Cist*	c *Cist so.-ha* c	c rr
29	8·0	0·62	7·3	0·57	S	S : W : SW	3·9	0·40	341	d c	c d c *Nbst*	c d c *Nbst*	c b
30	0·0	0·00	0·0	0·00	SSW : SW	SSW	1·6	0·16	312	b c r d	b c *Acu* m$_o$	c r$_o$ d$_o$	d$_o$d$_o$
31	2·8	0·22	2·3	0·18	SW : WSW	WSW : SW	11·0	0·80	421	c d d$_o$	c d c m$_o$	r R c m$_o$	c b c
Means	4·5	0·34	3·6	0·27	..	..	..	0·38	293				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 39°·4, being 2°·2 higher than
The mean *Temperature of the Dew Point* for the month was 37°·1, being 2°·0 higher than
The mean *Degree of Humidity* for the month was 86·5, being 0·3 less than
The mean *Elastic Force of Vapour* for the month was 0·221in., being 0·016in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 7·7.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·088. The maximum daily amount of *Sunshine* was 4·7 hours on January 21.

The highest reading of the *Solar Radiation Thermometer* was 74°·0 on January 10; and the lowest reading of the *Terrestrial Radiation Thermometer* was 16°·9 on January 15.

The *Proportions of Wind* referred to the cardinal points were N. 5, E. 9, S. 37, W. 32, calm or nearly calm conditions, 17, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 20·0 lbs. on the square foot on January 9. The mean daily *Horizontal Movement of the Air* for the month was 293 miles; the greatest daily value was 481 miles on January 9, and the least daily value was 147 miles on January 12.

Rain (0·005in. or over) fell on 23 days in the month, amounting to 3·553ins., as measured by gauge No. 6 partly sunk below the ground; being 1·672in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Barometer. Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Temperature. Of the Air. Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Of Evaporation. Mean of 24 Hourly Values.	Of the Dew Point. Deduced Mean Daily Value.	Difference between the Air Temperature and Dew Point Temperature. Mean.	Greatest.	Least.	Degree of Humidity (Saturation = 100).	Temperature. Of Radiation. Highest in Sun's Rays.	Lowest on the Grass.	Of the Earth 4 ft. below the Surface of the Soil.	Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Feb. 1	29·028	51·4	43·3	8·1	46·9	+ 7·3	44·9	42·5	4·4	9·3	1·4	84	64·8	39·6	43·6	0·098	1·1	9·1
2	28·985	45·5	36·0	9·5	42·3	+ 2·8	40·7	38·5	3·8	6·9	0·9	86	64·7	34·0	43·8	0·096	0·1	9·2
3	29·437	38·0	32·2	5·8	35·9	− 3·6	33·1	27·7	8·2	10·8	4·1	72	50·9	27·2	43·8	0·001	1·0	9·2
4	29·840	35·6	25·0	10·6	30·6	− 8·9	28·2	22·7	7·9	14·2	1·6	73	52·2	17·0	43·7	0·000	0·5	9·3
5	30·069	40·2	24·6	15·6	33·7	− 5·9	31·5	27·3	6·4	14·3	1·2	78	62·0	16·6	43·6	0·004	0·1	9·3
6	30·261	44·0	30·6	13·4	36·7	− 2·9	34·1	29·2	7·5	18·6	3·7	74	83·4	25·5	43·3	0·000	6·8	9·4
7	30·322	38·0	27·0	11·0	31·7	− 7·8	29·6	25·3	6·4	15·0	4·3	77	75·6	21·1	43·0	0·000	7·9	9·4
8	30·060	36·7	27·0	9·7	32·2	− 7·1	30·1	26·0	6·2	11·7	3·2	77	76·0	21·3	42·7	0·000	5·3	9·5
9	29·752	40·2	28·6	11·6	33·9	− 5·2	31·7	27·5	6·4	12·8	1·0	78	82·1	24·6	42·5	0·000	7·2	9·6
10	29·823	37·2	28·0	9·2	32·9	− 6·0	30·3	25·2	7·7	11·9	4·1	73	82·8	24·2	42·2	0·000	4·6	9·6
11	29·745	30·8	25·0	5·8	28·2	−10·6	25·4	17·5	10·7	14·6	5·9	65	44·7	21·9	41·9	0·000	0·3	9·7
12	29·918	39·4	19·4	20·0	29·2	− 9·6	27·2	22·5	6·7	22·0	1·2	75	74·8	8·3	41·7	0·000	6·9	9·7
13	29·939	40·8	23·6	17·2	32·0	− 7·0	30·4	27·3	4·7	12·8	0·6	83	78·9	12·0	41·5	0·000	3·7	9·8
14	29·641	42·7	30·0	12·7	34·8	− 4·5	33·3	30·5	4·3	11·3	1·1	84	84·0	26·5	41·2	0·009	5·8	9·9
15	29·328	42·8	34·5	8·3	38·6	− 0·8	38·1	37·4	1·2	1·9	0·0	95	44·2	30·1	41·0	0·116	0·0	9·9
16	29·323	37·0	30·9	6·1	34·1	− 5·4	33·6	32·8	1·3	2·2	0·0	95	46·3	27·1	40·8	0·000	0·0	10·0
17	29·244	52·6	35·7	16·9	43·2	+ 3·6	42·2	40·9	2·3	7·6	0·0	92	93·0	35·1	40·9	0·053	1·2	10·0
18	28·973	54·3	44·5	9·8	48·5	+ 9·0	46·9	45·1	3·4	8·2	1·7	88	83·0	42·3	40·9	0·385	1·7	10·1
19	29·159	50·1	41·6	8·5	46·5	+ 7·0	44·9	43·0	3·5	10·1	1·8	87	62·3	35·5	40·9	0·094	0·0	10·2
20	29·597	52·0	37·0	15·0	42·7	+ 3·2	40·0	36·0	6·7	20·4	2·8	77	102·5	32·9	41·1	0·001*	7·9	10·2
21	29·545	47·4	31·4	16·0	41·9	+ 2·3	40·1	37·6	4·3	10·1	2·8	84	56·2	25·6	41·3	0·058	0·0	10·3
22	29·305	44·8	29·8	15·0	38·1	− 1·6	37·4	36·3	1·8	5·1	0·0	93	47·4	24·9	41·4	0·296	0·0	10·4
23	29·197	43·2	36·3	6·9	39·6	− 0·2	38·5	36·9	2·7	7·3	1·8	90	52·9	30·7	41·4	0·055	0·0	10·5
24	29·427	47·4	34·9	12·5	39·6	− 0·4	38·3	36·4	3·2	9·5	1·5	88	86·7	30·4	41·7	0·011	1·3	10·5
25	29·857	38·8	35·7	3·1	37·5	− 2·6	35·9	33·4	4·1	6·5	1·0	85	48·7	34·0	41·7	0·092	0·0	10·6
26	29·812	43·1	34·8	8·3	38·4	− 1·8	35·7	31·1	7·3	14·9	2·8	75	59·8	31·9	41·7	0·002	0·0	10·7
27	29·249	44·9	30·4	14·5	40·3	− 0·0	38·7	36·5	3·8	9·0	0·9	86	68·9	25·4	41·8	0·070	0·9	10·7
28	29·025	40·9	29·4	11·5	34·0	− 6·3	33·1	31·5	2·5	6·5	0·0	91	80·5	24·5	41·7	0·002*	0·8	10·8
29	28·960	38·5	32·8	5·7	36·1	− 4·2	34·9	32·8	3·3	5·0	1·6	88	54·1	28·0	41·8	0·029	0·1	10·9
																Sum		
Means	29·546	42·7	31·7	11·0	37·2	− 2·3	35·5	32·3	4·9	10·7	1·8	82·5	67·7	26·8	42·0	1·472	2·3	9·9
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·546in., being 0·263in. lower than the average for the 65 years, 1841–1905.

*Rainfall (Column 16). The amount entered on February 20 is derived from hoar frost, and that on February 28 from wet fog.

TEMPERATURE OF THE AIR.

The highest in the month was 54°·3 on February 18; the lowest in the month was 19°·4 on February 12; and the range was 34°·9.
The mean of all the highest daily readings in the month was 42°·7, being 2°·5 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 31°·7, being 2°·5 lower than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 11°·0, being equal to the average for the 65 years, 1841–1905.
The mean for the month was 37°·2, being 2°·3 lower than the average for the 65 years, 1841–1905.

MONTH and DAY 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours.		hours.				lbs.	lbs.	miles.				
Feb. 1	0·0	0·00	0·0	0·00	SW : S : WSW	WSW : SW	2·5	0·13	293	c	c R r r$_o$ c *Stcu*	c	c *lu.-ha* r$_o$
2	4·5	0·36	3·7	0·30	WSW : NW	NW : N	3·4	0·14	306	c rr	rr c m$_o$	c *Stcu* m$_o$	c r b
3	11·1	0·89	11·0	0·88	NNW : NW	NNW	4·5	0·31	364	b c	c b c s$_o$ m$_o$	c b *Frcu* c m$_o$	c b x
4	3·9	0·31	3·1	0·25	NNW	NNW: Calm : SSW	0·5	0·02	214	b x	b f	b m f	b f x c
5	3·5	0·28	2·8	0·23	SSW : SSE	SE : Calm	0·1	0·00	210	c	c *Acu* m	c *Acu* m$_o$ c	c d$_o$ c
6	12·5	1·00	12·5	1·00	Calm : SE	SE : ESE	0·7	0·04	219	c b x	b m c *Ci*	b c b *Ci*	b x
7	12·5	1·00	12·5	1·00	ESE	E : ESE	0·8	0·05	237	b x	b m$_o$	b	b x
8	9·2	0·77	9·0	0·75	ESE	E : ESE	5·3	0·61	338	b x	c *Acu* m$_o$	c b c	c b
9	7·6	0·63	7·0	0·58	ESE	E	4·2	0·31	333	b x	b m$_o$	b	b c
10	6·8	0·57	5·0	0·42	E	ESE	17·2	3·12	554	c	c bc *Frcu* q	b c *Cist so.-ha* c q	c b
11	11·7	0·97	10·7	0·89	ESE	ESE : E	3·5	0·16	276	b c	c *Stcu* y	c *Stcu* m$_o$	c b
12	12·0	1·00	12·0	1·00	Calm : E	E : Calm	0·1	0·02	180	b x	b f m	b m$_o$	b m x
13	11·6	0·97	11·1	0·92	ENE : Calm : E	E	1·0	0·06	243	b m x	b F f z$_o$	b y c *Acu* z$_o$	c b m$_o$
14	2·3	0·19	1·7	0·14	E	E : Calm	1·7	0·12	290	b x	b *Ci* m$_o$	b *Ci* c m$_o$	c b o r
15	1·6	0·14	0·4	0·03	Calm	Calm : NNW	0·0	0·00	124	r d	o F d$_o$d$_o$	o F d$_o$ D d$_o$ f	o f d$_o$
16	0·0	0·00	0·0	0·00	NW : Calm : WSW	Calm : ENE : E	0·0	0·00	186	o f	ff	f Fe	Fe Fe
17	2·5	0·22	2·1	0·19	E : Calm : S	S : SE	0·6	0·03	215	r d$_o$	c f c *Stcu*	c *Stcu*	c b c r$_o$
18	5·5	0·48	4·1	0·36	SE : S	SSW	5·0	0·84	409	c rr	dd c	c p b *Frst*	b c
19	10·5	0·91	9·2	0·80	SSW : S	SSW : WSW	2·7	0·12	284	c d	c d c r d$_o$	d$_o$ c r c b	b c b
20	3·6	0·31	2·3	0·20	WSW : SW	SW : S : SE	0·4	0·06	247	b x	b m b *Frcu*	b c *Frcu* y	bc c
21	8·7	0·76	5·7	0·50	SSE : SW	W : Calm	1·9	0·09	231	c i r d$_o$	c *Stcu*	c *Stcu*	b x f m
22	3·6	0·32	3·3	0·30	Calm : ENE	E : SSW	3·6	0·16	241	b x c m	rr m	rr m c r$_o$ c	c b c
23	3·3	0·30	2·5	0·22	SSW : WSW	WNW : WSW	0·9	0·05	250	c d$_o$d$_o$	d$_o$ c m	c m$_o$ d$_o$	d$_o$ b c
24	0·6	0·05	0·3	0·03	SSW : Calm	Calm : ESE : NE	0·6	0·02	172	c d$_o$	c m c *Stcu*	c p$_o$ *Cunb* b	c r
25	0·0	0·00	0·0	0·00	NE	NE : NNE	3·0	0·27	324	rr	rr c *Ast*	c h c	c
26	0·3	0·02	0·0	0·00	Calm : SW	SW	2·3	0·13	239	c	c f c *Ast*	c *Stcu* y	c d$_o$d$_o$
27	3·3	0·29	0·0	0·00	SW : WSW	Calm	2·4	0·14	221	r d$_o$d$_o$r	c r$_o$ c *Acu* m	c *Stcu* m	b x f
28	0·5	0·04	0·3	0·03	Calm	NNW : Calm	0·4	0·01	124	FeFe x	F c *Stcu* f	c m	c m f
29	0·0	0·00	0·0	0·00	Calm : W	NNW : NW	0·6	0·05	214	c f	c r$_o$ m$_o$	c g r$_o$ m$_o$	o d$_o$d$_o$
Means	5·3	0·44	4·6	0·38	..	..	..	0·24	260				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 35°·5, being 2°·2 lower than
The mean *Temperature of the Dew Point* for the month was 32°·3, being 2°·7 lower than
The mean *Degree of Humidity* for the month was 82·5, being 1·1 less than
The mean *Elastic Force of Vapour* for the month was 0·183in., being 0·021in. less than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 6·3.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·226. The maximum daily amount of *Sunshine* was 7·9 hours on February 7 and 20.

The highest reading of the *Solar Radiation Thermometer* was 102°·5 on February 20; and the lowest reading of the *Terrestrial Radiation Thermometer* was 8°·3 on February 12.

The *Proportions of Wind* referred to the cardinal points were N. 12, E. 30, S. 22, W. 16, calm or nearly calm conditions, 20, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 17·2 lbs. on the square foot on February 10. The mean daily *Horizontal Movement of the Air* for the month was 260 miles; the greatest daily value was 554 miles on February 10, and the least daily value was 124 miles on February 15 and 28.

Rain (0·005in. or over) fell on 14 days in the month, amounting to 1·472in., as measured by gauge No. 6 partly sunk below the ground; being 0·008in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1936.	Barometer.	Temperature.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	Temperature.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Mar. 1	29·028	39·0	33·3	5·7	36·0	− 4·4	35·0	33·1	2·9	5·7	1·0	90	47·0	32·0	41·8	0·042	0·0	10·9
2	29·306	41·3	35·0	6·3	38·1	− 2·3	36·4	33·8	4·3	7·6	1·8	84	53·0	32·0	41·6	0·028	0·0	11·0
3	29·610	42·4	32·1	10·3	37·5	− 3·0	35·9	33·4	4·1	8·9	1·3	85	64·7	25·6	41·7	0·000	0·6	11·0
4	29·735	38·1	28·0	10·1	33·2	− 7·5	32·5	31·3	1·9	5·9	0·0	93	51·7	21·5	41·6	0·001*	0·0	11·1
5	29·671	50·3	36·5	13·8	41·3	+ 0·4	38·6	34·4	6·9	16·5	0·7	77	87·1	32·2	41·7	0·073	3·8	11·2
6	29·679	50·7	35·1	15·6	41·7	+ 0·7	38·7	33·9	7·8	14·4	1·8	74	88·2	30·9	41·6	0·026	2·1	11·2
7	29·670	51·6	30·5	21·1	41·7	+ 0·7	40·2	38·2	3·5	10·7	1·4	87	78·1	25·2	41·6	0·024	1·7	11·3
8	29·680	52·8	41·5	11·3	46·4	+ 5·3	45·8	45·0	1·4	4·7	0·3	95	71·6	33·6	41·7	0·005	0·1	11·3
9	29·629	55·5	43·1	12·4	48·1	+ 7·1	46·9	45·5	2·6	7·5	0·6	91	85·2	37·7	41·9	0·078	0·0	11·4
10	29·656	60·4	43·0	17·4	50·5	+ 9·6	48·3	45·9	4·6	12·0	0·6	84	103·9	37·9	42·1	0·007	5·0	11·5
11	29·658	47·8	40·3	7·5	43·5	+ 2·5	42·4	41·0	2·5	4·6	0·7	91	48·9	39·5	42·3	0·002	0·0	11·6
12	29·739	41·8	37·1	4·7	39·5	− 1·6	36·8	32·3	7·2	12·3	3·8	76	57·3	35·6	42·6	0·000	0·0	11·6
13	29·868	42·0	36·2	5·8	38·3	− 3·0	35·3	30·1	8·2	10·4	6·5	72	63·9	33·1	42·7	0·000	0·1	11·7
14	30·031	45·7	32·3	13·4	38·3	− 3·2	35·4	30·3	8·0	13·9	3·7	73	88·1	25·3	42·7	0·000	1·7	11·8
15	30·072	43·5	33·7	9·8	39·0	− 2·7	36·0	30·7	8·3	12·6	3·9	73	69·0	27·0	42·9	0·000	0·1	11·8
16	30·078	49·4	35·0	14·4	40·7	− 1·2	37·4	32·1	8·6	19·6	2·0	71	93·1	25·9	42·8	0·000	2·1	11·9
17	30·058	54·7	31·3	23·4	42·0	− 0·0	39·3	35·1	6·9	18·0	1·0	77	96·0	25·1	42·8	0·000	4·6	12·0
18	29·971	54·7	32·0	22·7	43·0	+ 1·0	38·4	30·8	12·2	23·9	2·0	62	106·2	22·9	42·8	0·000	9·7	12·0
19	29·738	59·0	33·5	25·5	46·7	+ 4·8	42·7	37·4	9·3	17·9	1·7	69	107·8	23·6	42·8	0·000	5·8	12·1
20	29·701	59·5	44·4	15·1	50·3	+ 8·4	47·3	43·9	6·4	12·1	3·7	79	109·1	36·1	42·9	0·000	1·3	12·1
21	29·651	65·3	43·1	22·2	53·9	+12·0	49·2	44·1	9·8	20·6	1·9	69	112·8	34·1	43·1	0·000	5·9	12·2
22	29·393	65·3	48·5	16·8	54·6	+12·6	49·5	44·0	10·6	19·0	7·3	68	127·3	44·3	43·2	0·000	2·7	12·3
23	29·294	57·1	42·8	14·3	50·6	+ 8·4	48·0	45·2	5·4	10·9	1·9	81	94·9	36·7	43·5	0·050	1·0	12·3
24	29·576	63·4	38·8	24·6	50·5	+ 8·1	47·2	43·4	7·1	18·0	0·5	77	121·9	29·6	44·0	0·001*	8·7	12·4
25	29·528	61·3	42·9	18·4	48·9	+ 6·2	46·3	43·3	5·6	16·7	0·4	80	111·0	39·1	44·2	0·000	4·1	12·5
26	29·400	53·1	43·9	9·2	48·5	+ 5·5	47·8	47·1	1·4	2·2	0·6	95	79·4	36·6	44·4	0·348	0·0	12·6
27	29·539	59·3	41·2	18·1	49·1	+ 5·8	46·4	43·3	5·8	13·3	0·4	80	101·4	33·9	44·7	0·003	1·5	12·6
28	29·671	62·6	40·8	21·8	51·6	+ 7·9	48·8	45·8	5·8	12·9	0·8	81	114·9	34·0	45·0	0·005	6·4	12·7
29	29·567	59·0	48·3	10·7	52·6	+ 8·5	51·2	49·8	2·8	5·3	1·4	90	74·3	44·9	45·0	0·104	0·0	12·7
30	29·618	61·9	48·1	13·8	53·8	+ 9·3	50·3	46·8	7·0	11·7	2·8	77	116·2	44·2	45·3	0·000	5·6	12·8
31	29·699	63·8	48·9	14·9	53·7	+ 8·8	50·0	46·3	7·4	13·6	2·8	75	116·8	44·9	45·6	0·000	3·4	12·9
Means	29·662	53·3	38·7	14·6	45·3	+ 3·4	42·7	39·3	6·0	12·4	1·9	79·9	88·4	33·1	43·0	Sum 0·797	2·5	11·9
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·662in., being 0·091in. lower than the average for the 65 years, 1841–1905.

*Rainfall (Column 16). The amount entered on March 4 is derived from frost and fog, and that on March 24 from dew.

TEMPERATURE OF THE AIR.

The highest in the month was 65°·3 on March 21, 22; the lowest in the month was 28°·0 on March 4; and the range was 37°·3.
The mean of all the highest daily readings in the month was 53°·3, being 3°·5 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 38°·7, being 3°·6 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 14°·6, being 0°·1 less than the average for the 65 years, 1841–1905.
The mean for the month was 45°·3, being 3°·4 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris. Duration.	Polaris. Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
Mar. 1	0·4	0·04	0·2	0·02	NW : W	W : NW	0·7	0·05	230	rs i d_o	i d_o c m	c d_o m_o	c d c
2	0·0	0·00	0·0	0·00	NW : N	N	1·1	0·09	246	c r	c rs d_o m_o	c *Stcu* m_o	c
3	7·7	0·72	2·7	0·25	Calm	Calm	0·1	0·00	131	c	c *Stcu* m	c *Stcu* b	c f x
4	0·1	0·01	0·0	0·00	Calm	Calm : SW	0·2	0·01	137	c b x c	c F f	f f	f x c
5	8·0	0·75	7·8	0·72	SW : WSW : W	W : WSW	1·7	0·10	265	c r d c	c b c *Stcu*	c *Frcu* y	b m
6	7·7	0·71	6·5	0·60	WSW : W : NW	WNW : SW	1·3	0·11	278	b c r	d_o c *Stcu* m_o	c *Stcu* y	c b
7	0·0	0·00	0·0	0·00	SW : S	S : SSE	1·5	0·15	258	b *lu.-ha* x	c *so.-ha* c	c *Stcu*	d_o r_o c
8	2·5	0·24	1·4	0·14	Calm	Calm	0·9	0·01	136	c d_o c	c f m	c *Stcu* m	c m
9	1·4	0·14	0·5	0·05	Calm : SSW	SSW : Calm	0·5	0·02	178	i r	i r c *Stcu*	c *Nbst* r_o r	c m
10	1·3	0·12	0·4	0·04	Calm	NE : ENE	0·7	0·03	176	c m d	c f c *Acu* m	bc *Acu*	c b o
11	0·0	0·00	0·0	0·00	NE	ENE	2·5	0·23	327	o d_o m	o m	o *St* m_o	o
12	0·0	0·00	0·0	0·00	ENE : E	ENE : NE	2·0	0·28	334	o	o c *Stcu*	c *Stcu*	c
13	3·4	0·33	1·1	0·11	NE : E	ESE : E	1·5	0·10	265	c	c *Stcu*	c *Stcu*	c
14	3·1	0·32	2·1	0·21	Calm : ESE	E : Calm	0·8	0·03	160	c	c *Stcu*	c y b	b x c
15	4·1	0·42	3·2	0·33	Calm : WSW : NW	NNW : Calm	0·3	0·02	187	c d c	c *Ast* m	c *Acu* m b	b f c
16	7·0	0·72	5·0	0·51	NNE : Calm	Calm : S	0·1	0·00	183	bc	bc *so.-ha* y	bc *Cist so.-ha*	c b
17	9·2	0·94	8·1	0·83	SSW : SW	SW : Calm	0·0	0·00	197	b x	c *Acu* m	b z_o y	b m_o
18	9·7	1·00	9·7	1·00	Calm : SE	ESE : E	2·7	0·17	227	b x	b z_o y	b y	b
19	3·5	0·38	2·9	0·30	E : Calm	SE : S : SSW	0·9	0·07	220	b x	b c *Ci so.-ha*	c *so.-ha* y c	c r_o
20	5·3	0·54	4·3	0·44	SSE : S : SSW	SSW : SSE	1·0	0·07	250	c	c *Acu*	c p_o c	c b
21	4·7	0·50	2·6	0·28	Calm : SSE	SSE : SE	3·0	0·13	242	c	c p_o b *Frcu*	b c y	c
22	0·5	0·05	0·3	0·03	SSE : S	SSW : SSE : ESE	5·1	0·23	280	c	c *Acu* y	bc y c	c r_o c
23	9·3	1·00	8·7	0·94	S : E : ENE	SSW	3·1	0·19	284	c rr	c *Stcu*	c d_o r c	b
24	9·1	0·99	9·0	0·97	S : SSE	SE : ESE : E	2·1	0·15	267	b w	b c *Frcu* y	c *Frcu* y b	b w
25	0·0	0·00	0·0	0·00	E : ENE	ESE : E	1·3	0·13	279	b c	c b *Acu*	b c *Ci so.-ha*	c
26	6·3	0·69	5·9	0·64	NE : E	ESE : Calm	1·2	0·07	246	c rr	rr m	rr c b m	b c m_o b
27	4·6	0·50	4·0	0·43	Calm : SE : SSW	SSW : S	1·0	0·07	240	b c w	c *Stcu*	c *Stcu* bc	b c p
28	2·1	0·24	1·6	0·18	Calm : S	SSW : S	0·6	0·05	205	c b	b c *Frcu*	c	c d_o r
29	2·7	0·32	2·1	0·23	S : SSE	SSW : SW	2·2	0·20	297	c r	rr d	c i d_o	c
30	1·9	0·22	1·7	0·19	SW : WSW	SW	4·0	0·44	370	c b	b c *Acu*	c *Stcu*	c
31	1·1	0·12	0·4	0·04	SW	SW	3·0	0·18	312	c	c *so.-ha* c	d_o c *Stcu*	c d
Means	3·8	0·39	3·0	0·31	..	..	..	0·11	239				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 42°·7, being 3°·3 higher than
The mean *Temperature of the Dew Point* for the month was 39°·3, being 3°·7 higher than
The mean *Degree of Humidity* for the month was 79·9, being 1·8 greater than
The mean *Elastic Force of Vapour* for the month was 0·241in., being 0·032in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 8·1.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·212. The maximum daily amount of *Sunshine* was 9·7 hours on March 18.

The highest reading of the *Solar Radiation Thermometer* was 127°·3 on March 22; and the lowest reading of the *Terrestrial Radiation Thermometer* was 21°·5 on March 4.

The *Proportions of Wind* referred to the cardinal points were N. 9, E. 23, S. 30, W. 16, calm or nearly calm conditions, 22, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 5·1 lbs. on the square foot on March 22. The mean daily *Horizontal Movement of the Air* for the month was 239 miles; the greatest daily value was 370 miles on March 30, and the least daily value was 131 miles on March 3.

Rain (0·005in. or over) fell on 12 days in the month, amounting to 0·797in., as measured by gauge No. 6 partly sunk below the ground; being 0·723in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1936.	Barometer.	Temperature.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	Temperature.			Rain collected in Gauge No. 6 whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
April 1	29·600	58·4	47·3	11·1	51·3	+ 6·0	50·4	49·5	1·8	6·3	0·8	93	73·5	46·3	46·0	0·296	0·0	12·9
2	29·738	52·1	41·9	10·2	47·7	+ 2·0	46·4	44·9	2·8	6·0	0·6	90	56·0	40·6	46·1	0·029	0·0	13·0
3	29·895	46·2	36·8	9·4	41·8	− 4·2	39·4	35·8	6·0	10·2	0·8	79	67·8	34·7	46·2	0·059	0·0	13·1
4	29·810	48·9	35·5	13·4	40·6	− 5·6	37·4	32·2	8·4	18·0	1·7	72	100·5	29·5	46·3	0·174	3·5	13·1
5	30·035	44·6	34·3	10·3	39·6	− 6·7	36·1	30·2	9·4	14·7	2·8	68	70·7	27·9	46·1	0·000	0·3	13·2
6	29·994	44·7	35·8	8·9	40·2	− 6·1	36·3	29·5	10·7	14·1	5·1	66	68·0	25·5	46·0	0·000	0·1	13·3
7	29·802	49·5	35·8	13·7	42·1	− 4·2	38·2	32·0	10·1	18·3	5·1	67	103·2	25·5	45·9	0·000	2·0	13·3
8	29·899	48·3	36·3	12·0	42·2	− 3·9	38·6	33·1	9·1	14·0	4·6	69	72·2	29·8	45·7	0·000	0·4	13·4
9	29·986	51·9	40·6	11·3	45·0	− 1·0	41·3	35·9	9·1	24·6	2·8	71	111·2	36·1	45·6	0·000	5·1	13·4
10	29·958	52·2	39·0	13·2	43·2	− 2·7	39·5	33·9	9·3	19·0	4·4	69	109·2	28·0	45·4	0·000	3·7	13·5
11	29·740	48·0	36·8	11·2	40·8	− 5·0	37·6	32·4	8·4	13·7	3·4	72	105·1	28·5	45·4	0·032	3·0	13·6
12	29·610	47·7	33·9	13·8	37·6	− 8·3	35·5	31·9	5·7	17·6	1·6	80	117·5	28·5	45·4	0·088	3·1	13·7
13	29·481	44·3	33·2	11·1	37·1	− 9·0	35·7	33·5	3·6	7·8	1·2	87	70·4	27·5	45·3	0·037	0·1	13·7
14	29·456	48·9	29·2	19·7	39·9	− 6·5	36·7	31·3	8·6	18·9	0·5	71	106·4	21·3	45·2	0·000	4·6	13·8
15	29·357	47·1	36·1	11·0	41·4	− 5·4	39·1	35·7	5·7	10·1	0·4	80	79·6	25·5	45·1	0·000	0·6	13·8
16	29·371	49·9	35·9	14·0	41·6	− 5·6	38·4	33·4	8·2	17·3	1·7	73	87·0	30·2	45·1	0·000	1·5	13·9
17	29·573	50·3	33·3	17·0	41·6	− 6·0	36·6	27·5	14·1	26·3	2·7	58	111·8	27·8	45·1	0·000	7·3	14·0
18	29·798	53·8	35·2	18·6	44·6	− 3·4	39·0	29·8	14·8	24·2	3·9	56	111·1	27·0	45·1	0·000	10·5	14·0
19	29·783	53·4	35·6	17·8	44·1	− 4·2	38·3	28·5	15·6	26·5	5·5	54	113·3	26·9	45·1	0·000	9·9	14·1
20	29·584	45·2	33·8	11·4	41·0	− 7·5	38·9	35·8	5·2	13·4	1·1	81	56·9	25·1	45·0	0·402	0·0	14·2
21	29·403	48·5	28·3	20·2	37·6	−11·1	35·9	33·2	4·4	15·3	0·3	84	77·2	20·8	45·1	0·212	0·1	14·2
22	29·512	48·3	35·1	13·2	40·6	− 8·1	36·9	30·8	9·8	18·4	1·2	67	114·8	26·4	45·1	0·035	6·1	14·3
23	29·821	55·5	30·1	25·4	42·3	− 6·3	37·7	29·9	12·4	27·7	4·0	61	119·5	21·9	45·2	0·010	6·9	14·4
24	29·803	61·7	41·1	20·6	51·3	+ 2·7	46·4	40·5	10·8	23·0	1·5	66	120·2	38·7	45·1	0·060	6·3	14·4
25	29·910	62·0	50·1	11·9	54·8	+ 6·2	52·1	49·8	5·0	10·3	3·5	82	109·9	47·7	45·3	0·000	1·2	14·5
26	29·848	61·9	45·4	16·5	52·6	+ 3·4	48·6	45·0	7·0	18·5	1·7	77	129·7	36·8	45·7	0·234	5·1	14·5
27	30·073	59·7	42·1	17·6	49·4	+ 0·7	45·4	40·5	8·9	19·5	2·9	71	104·0	33·2	45·8	0·030	6·6	14·6
28	30·139	62·9	36·7	26·2	51·0	+ 2·2	46·3	40·6	10·4	20·1	1·2	68	109·7	28·6	46·2	0·000	8·2	14·7
29	30·138	63·1	43·1	20·0	53·6	+ 4·6	49·1	44·3	9·3	17·3	2·4	70	104·0	35·6	46·3	0·000	5·5	14·7
30	30·149	61·9	44·3	17·6	53·2	+ 4·1	47·4	40·5	12·7	21·4	4·5	62	124·1	35·2	46·7	0·000	4·7	14·8
Means	29·776	52·4	37·4	14·9	44·3	− 3·0	40·8	35·7	8·6	17·1	2·5	72·1	96·8	30·6	45·6	Sum 1·698	3·5	13·9
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·776in., being 0·021in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 63°·1 on April 29; the lowest in the month was 28°·3 on April 21; and the range was 34°·8.
The mean of all the highest daily readings in the month was 52°·4, being 4°·8 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 37°·4, being 1°·6 lower than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 14°·9, being 3°·3 less than the average for the 65 years, 1841–1905.
The mean for the month was 44°·3, being 3°·0 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris. Duration.	Polaris. Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	Osler's. General Direction. P.M.	Osler's. Pressure on the Square Foot. Greatest.	Osler's. Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
April 1	0·0	0·00	0·0	0·00	SW : Calm : SSE	SSW	3·0	0·12	251	c d rr	rr	r c r r_o	$d_o d_o$
2	0·0	0·00	0·0	0·00	SW : W : N	N : NE : E	1·0	0·08	265	c d o m	o *St* m_o	o m_o r_o o	o d_o d
3	0·0	0·00	0·0	0·00	E : ENE	E : ENE	4·7	0·76	409	o m_o	o m_o c *Stcu*	c *Stcu*	c r_o s
4	8·3	0·97	8·1	0·96	ENE : NE	NE	13·1	1·06	451	rr d	c *Nbst*	c b *Acu* y	b c
5	0·0	0·00	0·0	0·00	NE : NNE	NE	2·6	0·32	365	b c	c *Stcu* y	c	c
6	4·4	0·52	2·1	0·25	NE	NNE : Calm	1·3	0·09	253	c	c *Stcu*	c *Stcu*	c
7	8·3	0·98	8·1	0·95	N : NNE	NE	1·7	0·21	333	c	c *Stcu* y	c *Stcu* y	c bc *lu.-ha*
8	1·3	0·15	0·7	0·08	NE	ENE : NE	3·7	0·20	328	c	c *Stcu*	c *Stcu*	b c
9	2·0	0·24	1·9	0·23	NE	ENE	5·5	0·59	387	c	c d_o	c b y	b c
10	3·4	0·40	2·7	0·31	ENE : NE	NE : ESE : NNE	1·8	0·15	289	c	c *Stcu*	c b c y	c b c
11	6·0	0·75	5·2	0·66	N	N	8·5	0·35	314	c p	c *Nbst* i r_o	c y p r h s c	b
12	3·0	0·37	2·4	0·30	N	Var : N	2·5	0·05	216	b c	c *Stcu*	c rs s b c	c rs c
13	7·0	0·88	6·4	0·80	W : Calm	Calm	0·0	0·00	190	c s r c	c *Ast* m	c *Stcu* b m	b c r_o b
14	0·0	0·00	0·0	0·00	Calm : NE	NE : NNE	0·7	0·03	209	b x m	b c *Stcu* y	c *Stcu* y	c
15	2·1	0·26	1·1	0·14	Calm : N	N : NNE	0·6	0·02	204	c m F m	c *Stcu*	c r_o c	c
16	6·9	0·86	6·7	0·84	N	N : NNE	1·1	0·0[illegible]	246	c m_o	c *Stcu*	c p bc y	c b
17	8·0	1·00	8·0	1·00	N	N : NNW	2·6	0·33	332	b	b c *Frcu* y	c bc *Frcu* y	c b
18	6·9	0·92	6·9	0·92	NNW : NW	NW : W	3·0	0·30	322	b	b *Frcu* y	b c y	b y
19	3·6	0·48	2·4	0·32	WSW : NW	NW : NNW	2·2	0·12	287	b c	c b c *Frcu* y	c *Stcu* y	c y b c
20	7·4	0·99	7·4	0·99	SW	NE : NNW	1·9	0·11	263	b c	c i r rr	rr c	bc b x
21	0·0	0·00	0·0	0·00	Calm : SW : S	S : SE : E	4·5	0·25	290	b x	c *Cist so.-ha*	c rs r	rr
22	7·5	1·00	7·5	1·00	NE : NNE	N : NW	5·0	0·65	366	i r_o	c s_o c y	c rs c y	b x
23	0·0	0·00	0·0	0·00	WSW	SW : SSW	1·3	0·10	268	b x	b c *Acu* y	c *Ast* y	c i r
24	0·3	0·03	0·1	0·01	S : W : NW	NW : W : SW	2·0	0·19	323	c i r	c *Frcu* y	c b *Frcu* y	b c p_o
25	0·0	0·00	0·0	0·00	SW	SW	5·1	0·60	388	c	c *Stcu*	c *Stcu*	d_o c
26	6·9	0·99	6·9	0·99	WSW	Var : W	2·0	0·16	283	c R i r	c *Stcu* y	c r_o r c	b
27	6·3	0·90	6·1	0·88	WNW : NNW	NNW : Calm	4·0	0·15	249	b	b c *Stcu*	c *Stcu* y	c r h r_o b m
28	3·3	0·47	3·3	0·47	Calm	Calm : SSE	1·0	0·02	161	b m w	b c y z_o	c *so.-ha* y z_o	c
29	0·0	0·00	0·0	0·00	Calm : N : NE	N : Calm	1·2	0·04	202	b c m	c m c *Stcu*	c *Acu* y	c
30	..	..	..	..	N : NNE	NNE : NE	1·5	0·14	273	c m	c *Stcu* y	c *Frcu* y	c b
Means	3·5	0·45	3·2	0·42	..	..	..	0·24	291				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 40°·8, being 3°·1 lower than
The mean *Temperature of the Dew Point* for the month was 35°·7, being 3°·9 lower than
The mean *Degree of Humidity* for the month was 72·1, being 2·4 less than
The mean *Elastic Force of Vapour* for the month was 0·209in., being 0·035in. less than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 7·7.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·256. The maximum daily amount of *Sunshine* was 10·5 hours on April 18.

The highest reading of the *Solar Radiation Thermometer* was 129°·7 on April 26; and the lowest reading of the *Terrestrial Radiation Thermometer* was 20°·8 on April 21.

The *Proportions of Wind* referred to the cardinal points were N. 40, E. 20, S. 10, W. 19, calm or nearly calm conditions, 11, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 13·1 lbs. on the square foot on April 4. The mean daily *Horizontal Movement of the Air* for the month was 291 miles; the greatest daily value was 451 miles on April 4, and the least daily value was 161 miles on April 28.

Rain (0·005in. or over) fell on 14 days in the month, amounting to 1·698in., as measured by gauge No. 6 partly sunk below the ground; being 0·132in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	BAROMETER.	TEMPERATURE.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	TEMPERATURE.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32°) Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
May 1	30·179	53·3	40·6	12·7	46·1	− 3·2	43·2	39·5	6·6	11·0	3·0	78	101·1	32·2	47·0	0·000	2·9	14·8
2	30·183	54·7	39·1	15·6	45·4	− 4·1	42·4	38·3	7·1	14·0	2·6	76	116·2	30·8	47·1	0·000	3·6	14·9
3	30·123	57·3	41·7	15·6	47·9	− 1·9	44·9	41·1	6·8	14·1	2·4	77	109·2	35·2	47·2	0·000	4·1	14·9
4	29·843	63·9	46·0	17·9	52·1	+ 2·1	48·9	45·5	6·6	17·6	1·4	78	133·3	41·0	47·5	0·004	8·4	15·0
5	29·614	68·0	47·4	20·6	55·4	+ 5·1	52·6	50·0	5·4	16·2	0·4	82	125·4	42·8	47·7	0·002	8·2	15·1
6	29·587	79·6	47·5	32·1	61·8	+11·3	56·3	51·5	10·3	24·1	1·2	69	133·6	40·3	48·0	0·000	9·9	15·1
7	29·729	66·4	49·2	17·2	56·5	+ 5·8	54·0	51·9	4·6	10·4	1·6	85	115·5	43·3	48·2	0·000	3·9	15·2
8	29·778	55·9	46·5	9·4	49·9	− 1·1	47·6	45·1	4·8	9·1	2·6	83	78·2	45·8	48·5	0·000	0·0	15·2
9	29·773	56·8	45·6	11·2	49·9	− 1·3	47·9	45·7	4·2	7·1	1·8	86	90·5	45·0	48·9	0·000	0·1	15·3
10	29·808	63·1	46·8	16·3	53·1	+ 1·6	50·0	46·7	6·4	12·3	1·7	79	110·1	46·1	49·1	0·000	1·4	15·3
11	29·881	66·9	45·8	21·1	55·3	+ 3·5	51·0	46·9	8·4	15·8	2·7	74	123·7	39·8	49·3	0·000	6·9	15·4
12	29·882	66·5	49·1	17·4	55·8	+ 3·7	52·3	48·9	6·9	14·8	2·7	77	104·4	41·2	49·2	0·000	1·5	15·5
13	29·905	66·7	50·3	16·4	57·6	+ 5·2	53·4	49·5	8·1	18·8	2·4	75	108·1	42·0	49·7	0·000	1·3	15·5
14	29·943	72·0	46·1	25·9	57·0	+ 4·4	51·7	46·3	10·7	21·5	3·8	68	139·3	37·4	50·0	0·000	7·1	15·6
15	29·796	74·8	42·1	32·7	59·9	+ 7·1	53·3	46·9	13·0	23·5	1·7	62	130·5	30·0	50·1	0·000	5·3	15·6
16	29·640	75·0	52·0	23·0	63·2	+10·2	57·0	51·8	11·4	21·3	2·2	67	130·3	42·8	50·2	0·068	13·0	15·7
17	29·703	72·8	53·5	19·3	60·1	+ 7·0	57·9	56·2	3·9	15·9	1·3	87	128·8	44·8	50·6	0·089	3·5	15·7
18	29·860	74·6	50·7	23·9	62·5	+ 9·2	57·0	52·4	10·1	18·2	1·2	70	132·7	43·0	51·0	0·000	13·6	15·7
19	29·918	72·2	49·4	22·8	60·7	+ 7·2	53·0	45·3	15·4	30·1	3·4	57	134·5	41·9	51·2	0·000	14·0	15·8
20	29·876	64·8	45·1	19·7	53·0	− 0·8	47·2	40·2	12·8	25·9	3·9	62	130·4	38·0	51·5	0·000	8·9	15·8
21	29·872	54·9	41·6	13·3	47·0	− 7·2	42·0	34·6	12·4	19·3	6·9	63	122·8	36·5	51·5	0·015	7·6	15·9
22	29·744	61·9	39·0	22·9	49·3	− 5·3	44·7	38·9	10·4	20·9	1·4	67	124·6	32·2	51·9	0·103	4·1	15·9
23	29·628	56·1	43·6	12·5	49·6	− 5·3	46·4	42·6	7·0	14·5	1·2	77	113·5	37·6	51·8	0·054	2·2	16·0
24	29·683	64·6	42·6	22·0	53·0	− 2·3	48·8	44·3	8·7	19·7	1·6	72	135·1	36·8	52·0	0·000	6·3	16·0
25	29·816	67·1	48·0	19·1	56·1	+ 0·6	52·7	49·5	6·6	15·6	1·9	78	135·3	47·3	52·1	0·000	4·7	16·1
26	29·927	66·2	46·0	20·2	54·8	− 1·0	51·1	47·5	7·3	14·8	1·4	76	131·6	46·1	52·0	0·000	6·1	16·1
27	29·917	65·8	49·7	16·1	56·2	+ 0·2	52·2	48·3	7·9	14·5	3·0	75	105·3	44·4	52·1	0·000	3·8	16·2
28	29·973	52·6	39·3	13·3	48·8	− 7·4	43·0	34·9	13·9	17·8	6·5	59	95·2	30·8	52·1	0·000	0·6	16·2
29	29·727	67·9	33·7	34·2	52·3	− 4·1	45·6	37·0	15·3	22·6	2·5	56	132·8	25·0	52·2	0·000	9·0	16·2
30	29·486	59·1	42·2	16·9	50·6	− 6·1	46·6	41·9	8·7	16·2	2·6	72	104·4	39·0	52·2	0·041	1·0	16·2
31	29·703	58·2	40·0	18·2	48·6	− 8·5	43·5	36·7	11·9	21·4	3·4	63	125·8	35·1	52·2	0·032	8·9	16·3
Means	29·822	64·5	45·2	19·3	53·9	+ 0·8	49·6	45·0	8·8	17·4	2·5	72·6	119·4	39·2	50·1	Sum 0·408	5·5	15·6
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·822in., being 0·021in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 79°·6 on May 6; the lowest in the month was 33°·7 on May 29; and the range was 45°·9.
The mean of all the highest daily readings in the month was 64°·5, being 0°·6 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 45°·2, being 1°·5 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 19°·3, being 0°·9 less than the average for the 65 years, 1841–1905.
The mean for the month was 53°·9, being 0°·8 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
May 1	6·8	0·98	6·8	0·98	NE : ENE	ENE : ESE	0·6	0·07	242	b c	c *Stcu*	c *Stcu* b *so.-ha*	b *lu.-ha* w
2	3·2	0·50	3·0	0·46	NE : E	ENE : E	1·0	0·08	258	b *lu.-ha* w c	c *Stcu*	c *Stcu* b	b c
3	0·9	0·13	0·6	0·09	NE : ENE	ENE : NE	2·1	0·21	296	c d_o	c *Stcu*	c b *Frcu*	c
4	0·6	0·09	0·5	0·07	NE : ENE	ESE : ENE	2·5	0·22	286	c r_o c	c *Acu*	c *Frcu* b	b c
5	6·2	0·95	6·2	0·95	NNE : ENE	E	1·6	0·14	252	c d_o m	c b *Ci* z_o	b *Cicu* z_o	b
6	6·5	1·00	5·7	0·88	Calm : E	SSW : E : Calm	1·1	0·05	185	b w c	c b *Acu* y	b c *Cunb* t y	c b w
7	0·0	0·00	0·0	0·00	Calm : NNE	N : NE	2·5	0·22	281	c w	c *Ast*	c b *Cu* c z_o	c
8	0·0	0·00	0·0	0·00	NNE : N	N	3·0	0·30	339	c	c *Ast*	c *Stcu*	c
9	0·0	0·00	0·0	0·00	NNW : N	N : NNW	1·1	0·07	257	c	c m_o	c	c
10	3·0	0·50	3·0	0·50	NNW	N : NNW	1·5	0·10	259	c d_o	o d_o c m_o	c	b c r_o
11	1·9	0·31	1·6	0·27	N : NNW	NE : ESE	0·8	0·06	221	c b c	c *Stcu* m_o	c *Frcu* y	b w c
12	0·5	0·08	0·0	0·00	Calm	Calm : SW	0·0	0·00	151	c m	c *Stcu* m_o	c b c *Acu* z_o	c m_o
13	3·9	0·65	3·7	0·62	Calm	Calm : WSW	2·0	0·04	184	c w m	c *Stcu* z_o	c *so.-ha* z_o	c b
14	6·0	1·00	6·0	1·00	WSW	SW : SSW	0·5	0·04	209	b c	c *Cist so.-ha* b	b c *Stcu* y	c b
15	5·1	0·84	4·9	0·82	Calm : S	S : SE : E	1·4	0·15	241	b c	c *Cist so.-ha* y	c *Ci so.-ha* b y	b c b
16	1·2	0·22	1·1	0·19	E : Calm : ESE	E : Calm	2·7	0·27	254	b w m	b *Frcu* z_o	b bc b z_o	c r
17	5·4	0·98	5·4	0·98	Calm	E : Calm	1·0	0·03	177	c	c *Nbst* r m	c r l r r_o	b
18	5·5	1·00	5·5	1·00	ENE	E : NE	2·2	0·17	280	b	b y	b y	b
19	5·5	1·00	5·5	1·00	NE	ENE : NE	3·5	0·33	323	b	b *Cu* y	b *Cu* y	b y
20	1·6	0·29	1·1	0·21	NNE : NE	NNE	6·5	1·15	411	b y	b *Frcu* y	b c *Acu* y	c
21	5·0	0·91	4·9	0·90	N	N : NNE	7·8	1·00	414	c p_o	c *Nbst* p c	c *Nbst* p c	c
22	0·0	0·00	0·0	0·00	N : NNW	Calm : SW : SSW	0·8	0·07	241	b c	c *Frcu Ci* y	c *Stcu* y r_o	c i r
23	4·1	0·81	4·0	0·79	SSE : E	ENE	1·9	0·16	270	c i r	c i r c *Ast*	c y b	b
24	0·2	0·03	0·1	0·01	NE : ENE	E : ENE	1·3	0·12	279	b c	c b c *Frcu* y	c *Stcu* y	c
25	0·2	0·03	0·1	0·01	ENE : E	ESE : E	0·9	0·07	247	c	c bc *Acu* y	c *Stcu*	c
26	0·0	0·00	0·0	0·00	E : NE	NE	1·5	0·15	286	c m	c *Ci Acu*	c b *Ci* c y	c
27	0·3	0·05	0·2	0·04	NNE : NE	N : NE	4·5	0·27	312	c d_o	c d_o c *Stcu*	c *Acu* b c y	c d_o
28	5·0	1·00	5·0	1·00	NNE : NE	NNE	2·0	0·20	298	c	c *Stcu* y	c *Stcu* y	c b
29	0·0	0·00	0·0	0·00	SW : WSW	W : NNW	1·7	0·11	262	b	b bc *Frcu* z_o y	c y	c
30	0·0	0·00	0·0	0·00	Calm : WSW : SW	NW : N	3·7	0·29	265	c	c i r_o c	c r_o c r y	c r_o c
31	0·1	0·02	0·0	0·00	N	N : Calm	2·0	0·16	273	c b	b c *Frcu* y	c *Acu* y	c r_o r
Means	0·25	0·43	2·4	0·41	..	..	..	0·20	266				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 49°·6, being 0°·6 higher than
The mean *Temperature of the Dew Point* for the month was 45°·0, being 0°·2 higher than
The mean *Degree of Humidity* for the month was 72·6, being 1·3 less than
The mean *Elastic Force of Vapours* for the month was 0·300in., being 0·002in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 6·8.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·355. The maximum daily amount of *Sunshine* was 14·0 hours on May 19.

The highest reading of the *Solar Radiation Thermometer* was 139°·3 on May 14; and the lowest reading of the *Terrestrial Radiation Thermometer* was 25°·0 on May 29.

The *Proportions of Wind* referred to the cardinal points were N. 36, E. 36, S. 7, W. 8, calm or nearly calm conditions, 13, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 7·8 lbs. on the square foot on May 21. The mean daily *Horizontal Movement of the Air* for the month was 266 miles; the greatest daily value was 414 miles on May 21, and the least daily value was 151 miles on May 12.

Rain (0·005in. or over) fell on 7 days in the month, amounting to 0·408in., as measured by gauge No. 6 partly sunk below the ground; being 1·507in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Barometer.	Temperature.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	Temperature.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
June 1	29·785	66·1	43·4	22·7	50·4	− 7·0	46·3	41·5	8·9	26·6	3·1	71	138·6	35·1	52·3	0·138	5·2	16·3
2	29·702	60·8	43·1	17·7	48·5	− 9·3	46·7	44·7	3·8	11·2	0·6	86	112·3	33·6	52·1	0·184	2·8	16·4
3	29·577	58·9	41·4	17·5	48·8	− 9·3	46·6	44·2	4·6	14·3	0·4	83	129·5	31·8	52·2	0·472	5·9	16·4
4	29·688	62·9	43·1	19·8	51·0	− 7·3	47·6	43·7	7·3	16·4	1·9	77	116·8	35·0	52·3	0·000	2·5	16·4
5	29·798	62·6	47·1	15·5	53·3	− 5·1	49·9	46·4	6·9	12·4	0·5	78	122·7	39·1	52·3	0·064	8·5	16·4
6	29·810	68·4	44·3	24·1	54·9	− 3·4	50·1	45·1	9·8	26·8	1·3	69	125·4	34·6	52·3	0·005	4·6	16·5
7	29·779	60·8	51·0	9·8	55·4	− 2·8	53·0	50·9	4·5	9·8	1·0	85	103·4	42·8	52·3	0·162	0·4	16·5
8	29·939	72·5	52·1	20·4	61·0	+ 2·9	53·2	45·5	15·5	21·7	3·7	57	126·6	42·6	52·6	0·000	8·9	16·5
9	29·925	75·4	50·4	25·0	62·7	+ 4·7	56·6	51·4	11·3	19·8	2·4	67	133·5	40·7	52·7	0·000	9·5	16·5
10	29·869	68·0	53·8	14·2	59·3	+ 1·2	56·5	54·2	5·1	8·9	1·5	83	101·2	47·1	52·9	0·003	0·2	16·6
11	29·839	67·1	52·2	14·9	58·1	− 0·1	54·6	51·4	6·7	12·2	2·5	79	125·1	48·1	53·1	0·000	0·8	16·6
12	29·765	72·0	51·3	20·7	59·4	+ 1·0	55·5	52·2	7·2	15·5	1·5	77	133·8	45·2	53·4	0·003	2·6	16·6
13	29·787	63·3	54·4	8·9	57·3	− 1·2	55·6	54·2	3·1	6·4	0·9	89	88·5	48·9	53·4	0·323	0·0	16·6
14	29·835	69·9	52·3	17·6	58·7	− 0·0	53·6	48·8	9·9	21·3	1·4	70	131·4	49·3	53·8	0·000	5·1	16·6
15	29·748	65·8	51·1	14·7	57·9	− 0·9	52·7	47·7	10·2	17·9	1·0	69	128·9	43·1	53·9	0·092	9·1	16·6
16	29·885	69·5	48·6	20·9	57·8	− 1·1	52·5	47·3	10·5	18·3	3·6	68	132·3	40·0	54·1	0·000	12·3	16·6
17	29·903	79·5	48·3	31·2	64·4	+ 5·4	56·8	50·3	14·1	31·4	1·4	60	137·9	38·2	54·5	0·000	14·8	16·6
18	30·016	75·5	56·1	19·4	65·4	+ 6·2	61·0	57·9	7·5	12·6	1·6	77	130·6	45·6	54·7	0·202	2·7	16·6
19	29·862	79·6	59·0	20·6	69·5	+10·0	63·9	60·2	9·3	17·2	0·0	72	133·4	51·3	55·0	0·582	7·7	16·6
20	29·680	85·3	61·3	24·0	73·0	+13·1	66·4	62·3	10·7	22·5	0·9	69	142·0	56·1	55·5	0·000	14·3	16·6
21	29·647	87·8	61·0	26·8	72·1	+11·8	65·7	61·7	10·4	21·9	1·5	70	143·3	53·4	55·8	0·427	8·2	16·6
22	29·788	79·3	58·2	21·1	67·8	+ 7·2	61·8	57·5	10·3	22·3	0·7	70	142·4	53·2	56·2	0·000	13·0	16·6
23	29·965	82·6	59·8	22·8	69·1	+ 8·2	63·1	59·0	10·1	22·4	1·6	71	147·1	52·3	56·6	0·005	8·8	16·6
24	29·973	76·9	58·6	18·3	68·0	+ 6·8	61·6	57·1	10·9	18·7	2·8	68	131·1	49·1	57·0	0·000	6·9	16·6
25	29·975	79·5	55·6	23·9	66·5	+ 5·1	61·1	57·2	9·3	21·0	0·5	72	143·0	45·1	57·3	0·112	9·8	16·6
26	29·969	63·1	55·1	8·0	58·7	− 2·8	57·9	57·3	1·4	5·5	0·3	95	102·2	55·1	57·3	0·261	0·4	16·6
27	29·956	74·0	56·1	17·9	63·4	+ 1·8	59·7	56·9	6·5	15·0	0·7	79	126·6	49·8	57·7	0·000	6·2	16·6
28	29·874	75·7	56·2	19·5	64·0	+ 2·4	59·5	56·2	7·8	18·9	2·6	75	136·3	49·1	57·8	0·000	5·1	16·6
29	29·606	68·5	58·0	10·5	62·0	+ 0·4	59·9	58·4	3·6	8·0	0·2	87	107·0	55·0	57·8	0·120	0·0	16·6
30	29·586	70·1	57·1	13·0	62·1	+ 0·6	59·8	58·2	3·9	10·9	0·5	87	122·4	53·1	57·9	0·223	4·8	16·6
Means	29·818	71·4	52·7	18·7	60·7	+ 1·3	56·3	52·6	8·0	16·9	1·4	75·3	126·5	45·4	54·6	Sum 3·378	6·0	16·5
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·818in., being 0·004in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR

The highest in the month was 87°·8 on June 21; the lowest in the month was 41°·4 on June 3; and the range was 46°·4.
The mean of all the highest daily readings in the month was 71°·4, being 0°·7 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 52°·7, being 2°·8 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 18°·7, being 2°·1 less than the average for the 65 years, 1841–1905.
The mean for the month was 60°·7, being 1°·3 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris. Duration.	Polaris. Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
June 1	3·1	0·66	3·1	0·66	Calm : WSW	SW : Calm : S	2·1	0·05	202	c	c *Frcu* y	c p r$_o$ R c	c b
2	3·1	0·66	3·1	0·66	S : SSE	S	3·1	0·11	246	b c rr	r c rr	rr i r c	b
3	1·8	0·39	1·7	0·37	SSE : SSW	SW : S : WSW	2·3	0·05	215	b c r	i r R h	i r R h t l c	bc c
4	1·7	0·36	1·5	0·33	NW : N	Calm : ENE : N	2·0	0·10	232	c m$_o$	c *Acu*	c *Acu*	c
5	4·7	1·00	4·7	1·00	N	N	6·3	1·07	424	c r	c b *Frcu*	b *Frcu*	b
6	0·0	0·00	0·0	0·00	NNW : W	W : WSW	3·1	0·13	283	b w	b c *Acu* y	c y r$_o$	c d$_o$d$_o$
7	0·0	0·00	0·0	0·00	WSW : Calm	Calm : NW : W	0·3	0·03	200	d$_o$ rr	rr c *Ast*	c *Ast*	c b c
8	2·9	0·64	2·8	0·63	N : Calm : NNW	WNW : NW	1·0	0·08	236	c	b bc *Frcu* y	c *Stcu* y	c *so.-ha* c b
9	4·5	1·00	4·5	1·00	Calm : WNW : W	WNW : W	1·0	0·05	232	b m	b c *Frcu* y	c *Frcu* b y	b
10	0·0	0·00	0·0	0·00	WSW : W	N : NE	0·7	0·04	235	b w c m	c *Stcu*	c *Cunb* r$_o$ p c	c
11	0·6	0·14	0·5	0·12	NE : Calm	SW	0·3	0·02	201	c m$_o$	c *Stcu* m$_o$	c *Stcu*	c
12	0·0	0·00	0·0	0·00	WSW	WSW : Calm	0·5	0·02	215	c m$_o$	c *Acu*	c *Nbst* i r$_o$	c r$_o$
13	0·0	0·00	0·0	0·00	SW : Calm	WSW	1·0	0·03	200	c r$_o$ r	rr r$_o$	c i d$_o$ c	c r c
14	0·0	0·00	0·0	0·00	NNW : W	WSW : SW	1·7	0·14	282	c bc	bc z$_o$ c *Acu*	c *Acu* y	c d$_o$
15	4·0	0·89	3·8	0·85	WSW	W : WSW	8·3	0·52	387	rr c	c *Nbst* p	c *Acu Cu* y	c
16	3·9	0·86	3·7	0·83	SW	SW : Calm	1·9	0·20	284	c	c *Ci Frcu* y	c b *Ci* y	b
17	2·1	0·48	1·9	0·43	Calm : SSW	SSW : SW	1·5	0·07	222	c	c b y	b y	b
18	1·3	0·29	1·2	0·28	Calm	E : ENE	0·6	0·02	200	c R c r	c i r m$_o$	c *Acu* b	b c l
19	0·8	0·03	0·7	0·15	E : ENE	E : Var	13·5	0·06	238	c l	b c *Acu*	c p b *Acu*	b c l t q H R c
20	3·9	0·87	3·5	0·78	E	ESE : E	2·0	0·07	230	c l c	c b *Ci*	b y	b c l r$_o$ t b
21	1·7	0·39	1·1	0·24	E : Calm	S	4·0	0·07	213	b bc	bc *Ci Acu* y	c *Ci* y	c t l R
22	0·9	0·20	0·8	0·17	S : SW	SW	2·0	0·11	241	c	c bc *Ci Frcu* y	bc *Cu* y b	b c
23	3·9	0·87	3·8	0·85	Calm	SW : Var : Calm	0·6	0·02	164	c p c	c *Cu Ci*	c *Cu Frcu* y	c b w
24	4·0	0·89	3·7	0·83	Calm	Calm	0·0	0·00	163	b w	b bc *Frcu* z$_o$	c *Stcu* z$_o$	c b
25	0·0	0·00	0·00	0·00	Calm : N	N : ESE	0·9	0·03	198	b m w	b c *Frcu* z$_o$ y	c *Frcu* y	c r
26	0·7	0·15	0·5	0·11	Calm : SE	Calm	0·2	0·00	149	r c rr	rr i r	c *Nbst* d c	c
27	1·9	0·42	1·7	0·37	Calm	Calm : SSW	0·3	0·01	176	c m	c b c z$_o$	c b z$_o$	b c
28	0·5	0·12	0·0	0·00	Calm : SSW	SSE : ESE : E	0·7	0·05	205	c w	c *Stcu* b c	c *Frcu Ci*	c
29	2·9	0·64	2·7	0·61	ENE : NE	Calm : W: SW	3·0	0·02	213	c p t l	c i r c	c *Stcu*	c r d$_o$ c
30	0·1	0·02	0·1	0·02	SW : SSW	SSW : S	2·6	0·17	278	c	c i d	c *Nbst* r$_o$	c r R d
Means	1·8	0·40	1·7	0·38	..	..	..	0·11	232				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 56°·3, being 1°·4 higher than
The mean *Temperature of the Dew Point* for the month was 52°·6, being 1°·8 higher than
The mean *Degree of Humidity* for the month was 75·3, being 2·1 greater than
The mean *Elastic Force of Vapour* for the month was 0·399in., being 0·024in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 7·3.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·365. The maximum daily amount of *Sunshine* was 14·8 hours on June 17.

The highest reading of the *Solar Radiation Thermometer* was 147°·1 on June 23; and the lowest reading of the *Terrestrial Radiation Thermometer* was 31°·8 on June 3.

The *Proportions of Wind* referred to the cardinal points were N. 13, E. 13, S. 22, W. 26, calm or nearly calm conditions, 26, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 13·5 lbs. on the square foot on June 19. The mean daily *Horizontal Movement of the Air* for the month was 232 miles; the greatest daily value was 424 miles on June 5, and the least daily value was 149 miles on June 26.

Rain (0·005in. or over) fell on 16 days in the month, amounting to 3·378in., as measured by gauge No. 6 partly sunk below the ground; being 1·340in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Barometer. Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Temperature. Of the Air. Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Of Evaporation. Mean of 24 Hourly Values.	Of the Dew Point. Deduced Mean Daily Value.	Difference between the Air Temperature and Dew Point Temperature. Mean.	Greatest.	Least.	Degree of Humidity (Saturation = 100).	Temperature. Of Radiation. Highest in Sun's Rays.	Lowest on the Grass.	Of the Earth 4 ft. below the Surface of the Soil.	Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
July 1	29·521	73·4	56·1	17·3	62·2	+ 0·7	58·5	55·7	6·5	18·3	0·7	79	135·3	50·8	58·0	0·017	5·9	16·6
2	29·480	69·8	56·3	13·5	60·7	— 0·9	58·5	56·8	3·9	10·8	1·2	87	121·0	52·0	58·0	0·155	2·7	16·6
3	29·580	71·0	57·3	13·7	62·5	+ 0·7	58·9	56·2	6·3	8·4	1·8	80	125·4	54·1	58·0	0·022	1·8	16·5
4	29·756	76·3	58·7	17·6	65·0	+ 2·9	60·5	57·2	7·8	9·1	1·3	76	136·7	55·9	58·2	0·000	3·8	16·5
5	29·845	76·9	58·6	18·3	66·5	+ 4·2	61·5	58·0	8·5	7·6	1·0	74	135·1	50·5	58·2	0·000	6·6	16·5
6	29·805	76·2	54·7	21·5	65·1	+ 2·7	61·6	59·2	5·9	7·5	0·3	81	117·7	46·3	58·4	0·000	0·9	16·4
7	29·643	76·8	60·2	16·6	67·2	+ 4·8	63·5	61·1	6·1	12·2	1·0	81	114·0	53·6	58·7	0·007	0·9	16·4
8	29·652	74·3	54·6	19·7	62·8	+ 0·4	56·7	51·5	11·3	22·1	2·8	67	141·1	50·0	58·9	0·000	7·9	16·4
9	29·609	60·9	53·1	7·8	56·0	— 6·4	54·3	52·8	3·2	7·9	1·9	89	73·2	48·7	58·8	0·370	0·0	16·4
10	29·587	65·1	51·3	13·8	56·5	— 6·0	53·8	51·4	5·1	11·8	0·9	83	100·7	46·7	58·9	0·379	1·3	16·3
11	29·663	68·8	53·0	15·8	58·5	— 4·2	55·1	52·2	6·3	18·5	1·4	79	126·7	49·1	59·0	0·168	4·4	16·3
12	29·652	71·1	54·1	17·0	59·7	— 3·2	56·4	53·6	6·1	16·7	1·4	80	130·8	52·0	58·9	0·170	4·6	16·3
13	29·544	70·3	56·9	13·4	63·2	+ 0·1	58·0	53·8	9·4	17·9	1·8	72	130·0	51·6	58·9	0·010	6·4	16·3
14	29·628	73·3	54·6	18·7	60·6	— 2·7	56·0	52·1	8·5	18·7	1·7	73	137·3	49·3	58·9	0·025	6·1	16·2
15	29·328	66·8	52·2	14·6	58·0	— 5·4	55·1	52·6	5·4	13·9	0·6	83	115·3	52·1	58·7	0·451	2·1	16·2
16	29·715	73·1	54·4	18·7	62·4	— 1·0	57·4	53·2	9·2	16·3	2·4	72	126·8	49·1	58·9	0·000	6·4	16·2
17	29·642	77·8	56·4	21·4	67·2	+ 3·8	63·0	60·2	7·0	16·4	2·2	79	134·7	53·6	59·0	0·033	3·0	16·1
18	29·493	70·8	56·5	14·3	62·7	— 0·6	57·9	54·1	8·6	20·0	2·2	73	133·3	53·2	59·0	0·023	7·9	16·1
19	29·538	69·6	55·9	13·7	61·0	— 2·2	58·1	55·8	5·2	16·6	1·8	83	121·5	53·1	59·0	0·293	1·3	16·0
20	29·579	69·7	53·8	15·9	60·6	— 2·6	56·9	53·9	6·7	14·3	2·0	79	130·1	49·1	59·0	0·047	6·7	16·0
21	29·689	66·9	52·2	14·7	59·5	— 3·7	54·6	50·2	9·3	14·3	2·5	71	117·2	46·4	59·1	0·010	3·6	16·0
22	29·728	65·0	47·7	17·3	57·8	— 5·3	54·0	50·6	7·2	14·1	0·4	77	115·8	36·2	59·1	0·000	4·1	15·9
23	29·544	64·8	53·7	11·1	58·8	— 4·2	57·3	56·1	2·7	5·5	0·9	91	90·3	45·6	59·0	0·147	0·0	15·9
24	29·596	71·2	54·6	16·6	61·9	— 1·0	57·1	53·1	8·8	16·8	2·6	73	134·8	47·8	59·1	0·000	12·1	15·8
25	29·684	70·7	52·2	18·5	58·3	— 4·4	55·0	52·1	6·2	15·7	1·5	80	132·8	45·2	59·0	0·058	7·6	15·8
26	29·785	69·1	48·6	20·5	57·1	— 5·4	53·8	50·8	6·3	17·5	1·2	79	136·4	41·2	59·0	0·141	7·9	15·8
27	29·826	72·6	46·6	26·0	58·4	— 4·0	53·7	49·4	9·0	19·6	0·6	72	137·0	36·1	59·0	0·000	10·3	15·7
28	29·733	69·9	52·6	17·3	57·4	— 4·9	55·2	53·4	4·0	14·5	1·1	86	140·9	46·2	59·0	0·193	0·5	15·6
29	29·825	67·3	52·5	14·8	57·6	— 4·7	54·7	52·2	5·4	15·7	0·7	82	123·8	43·8	58·9	0·094	2·4	15·6
30	30·062	73·0	47·4	25·6	59·6	— 2·7	54·8	50·5	9·1	20·1	0·4	72	130·9	36·8	59·0	0·000	7·7	15·5
31	29·827	66·8	54·9	11·9	59·9	— 2·3	57·9	56·4	3·5	6·2	1·9	88	99·8	51·1	58·8	0·112	0·8	15·5
Means	29·663	70·6	53·9	16·7	60·8	— 1·9	57·1	54·1	6·7	14·4	1·4	78·7	124·1	48·3	58·8	Sum 2·925	4·4	16·1
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·663in., being 0·143in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 77°·8 on July 17; the lowest in the month was 46°·6 on July 27; and the range was 31°·2.
The mean of all the highest daily readings in the month was 70°·6, being 3°·6 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 53°·9, being 0°·6 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 16°·7, being 4°·2 less than the average for the 65 years, 1841–1905.
The mean for the month was 60°·8, being 1°·9 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris. Duration.	Polaris. Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's. Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12	12h to 18h	18h to 24h
	hours.		hours.				lbs.	lbs.	miles.				
July 1	0·1	0·01	0·1	0·01	S : SW	SW : SSW	2·1	0·10	244	c r c	c r c *Stcu*	c *Cu* b y	b c
2	0·2	0·03	0·2	0·03	SSW : SW	SSW : SW	3·5	0·28	318	c i r	c i r d c	c *Nbst* d c	c b c P
3	0·5	0·12	0·4	0·09	SW : WSW	SW	2·3	0·12	279	c i r	c *Stcu*	c d r$_o$ c	c d c
4	1·8	0·41	1·3	0·30	WSW : W	SW	2·3	0·13	295	c	c bc *Acu* y	bc c	c
5	4·3	0·97	4·3	0·97	SW : WSW	WSW : SW	1·2	0·08	260	c bc	c *Acu* p$_o$	c *Stcu* b y	b
6	1·9	0·42	1·8	0·41	Calm	SSW	0·6	0·02	197	b w c	c *Stcu* m$_o$	c *Nbst*	c l b c
7	1·1	0·25	1·0	0·24	Calm	SSW : WSW	2·7	0·08	230	c	c *Ast*	c *Nbst* r$_o$ c	c r c
8	0·0	0·00	0·0	0·00	WSW	WSW : SW	2·3	0·22	323	c	c *Frcu* y	c r$_o$ c *Ci Frcu* y	c
9	0·4	0·08	0·3	0·06	Calm	W : WSW	1·5	0·10	233	c	c r$_o$ rr	rr	d$_o$ c
10	1·3	0·29	0·8	0·19	WSW : W	WSW : N : NW	1·2	0·07	247	c	c i r	r c *Cist so.-ha* t r R	c r$_o$ c
11	0·0	0·00	0·0	0·00	W	WSW	3·0	0·21	328	c	c *Ci Frcu so.-ha*	c i r r$_o$	r$_o$ r$_o$ c
12	0·1	0·01	0·0	0·00	WSW : SW	SW : SSW	3·6	0·29	343	c	c *Stcu* y	c r$_o$ r d$_o$	d$_o$ rr
13	4·0	0·80	3·6	0·71	SW : WSW	WSW	4·9	0·69	431	c p	c p c *Stcu* y	c *Cunb* p$_o$ c y	c b
14	0·0	0·00	0·0	0·00	WSW	SW	3·8	0·37	342	b c b	c *Stcu* y	c *Acu Ci*	c rr
15	3·3	0·66	3·2	0·64	E : SE : NNW	W : WSW	7·8	0·37	333	rr	rr R t l c	c *Cunb*	c p c
16	0·1	0·02	0·1	0·02	WSW	WSW : SW	2·1	0·20	307	c b c	c *Stcu Frcu*	c *Acu Frcu* y	bc c
17	5·0	1·00	5·0	1·00	Calm : SSE	SE : SSW	1·3	0·10	226	c i d	c *Stcu*	c *Ci so.-ha*	c b
18	0·0	0·00	0·0	0·00	SW	SW	12·1	2·07	481	b c	c *Nbst* p$_o$	c y	c p$_o$ d i r
19	0·8	0·15	0·5	0·09	SW : WSW	WSW : SW	5·9	0·72	378	c i r	c *Acu*	c *Nbst* rr c	R c
20	0·3	0·06	0·2	0·03	SW : WSW	WSW : WNW	3·0	0·23	314	c	b c *Acu*	c r$_o$ r c	b c r c
21	0·2	0·03	0·2	0·03	WNW : WSW : W	NW : W	1·2	0·08	255	c b	c *Acu Frcu*	c r c	c p
22	1·8	0·33	1·4	0·26	W : Calm	Calm : SSW	0·1	0·00	163	c b m$_o$	b c *Stcu* z$_o$	c *Stcu* z$_o$	c
23	2·5	0·46	2·4	0·44	Calm : SSW	SSW : SW	4·0	0·49	315	c rr	rr dd d$_o$	d$_o$d$_o$	d$_o$ c b
24	5·5	1·00	5·5	1·00	SW	SW	6·4	0·93	385	b c	c *Frcu*	c *Frcu Cu*	b
25	6·0	1·00	6·0	1·00	SW	SSW : W : SW	4·3	0·25	298	b w	b c i r c	c p r c	b
26	6·0	1·00	6·0	1·00	SW : WSW	SW : WSW	2·0	0·10	273	b	b c *Frcu*	c rr	c r$_o$ b
27	1·2	0·21	0·8	0·13	SW : Calm	SW : WSW	1·5	0·04	214	b w	b c *Frcu* y	c *Cu* b y	b c
28	0·6	0·10	0·5	0·09	Calm : SE	Calm : NE	0·7	0·01	182	c d$_o$ c	c *Nbst*	r R t c p c	c
29	6·0	1·00	6·0	1·00	NNW : N	N	2·7	0·14	274	c r$_o$	c r c R	r c *Acu* y	c b
30	0·1	0·01	0·0	0·00	Calm : SW : WNW	WNW : WSW	1·6	0·07	233	b w	b c *Ci so.-ha* m$_o$	c b c *Frcu* y	c r$_o$ c
31	0·0	0·00	0·0	0·00	WSW : SW	SW	3·2	0·26	302	c	c i r	i d c	c
Means	1·8	0·34	1·7	0·31	..	..	..	0·28	290				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 57°·1, being 0°·8 lower than
The mean *Temperature of the Dew Point* for the month was 54°·1, being equal to
The mean *Degree of Humidity* for the month was 78·7, being 5·5 greater than
The mean *Elastic Force of Vapour* for the month was 0·421in., being the same as
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 8·4.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·276. The maximum daily amount of *Sunshine* was 12·1 hours on July 24.

The highest reading of the *Solar Radiation Thermometer* was 141°·1 on July 8; and the lowest reading of the *Terrestrial Radiation Thermometer* was 36°·1 on July 27.

The *Proportions of Wind* referred to the cardinal points were N. 6, E. 2, S. 34, W. 46, calm or nearly calm conditions, 12, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 12·1 lbs. on the square foot on July 18. The mean daily *Horizontal Movement of the Air* for the month was 290 miles; the greatest daily value was 481 miles on July 18, and the least daily value was 163 miles on July 22.

Rain (0·005in. or over) fell on 22 days in the month, amounting to 2·925in., as measured by gauge No. 6 partly sunk below the ground; being 0·526in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	BAROMETER.	TEMPERATURE.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	TEMPERATURE.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Aug. 1	29·650	68·5	54·5	14·0	61·7	− 0·5	59·3	57·6	4·1	8·6	0·9	86	120·4	46·8	58·9	0·016	0·3	15·4
2	29·552	70·1	52·1	18·0	59·3	− 2·8	57·1	55·4	3·9	13·8	0·4	87	116·1	43·7	58·8	0·084	3·1	15·4
3	29·648	69·2	55·3	13·9	60·8	− 1·3	56·0	51·9	8·9	18·1	2·0	72	124·3	48·5	58·9	0·000	3·3	15·3
4	29·847	68·0	52·2	15·8	59·0	− 3·1	54·2	49·8	9·2	16·4	2·4	71	122·7	44·8	58·9	0·016	5·8	15·3
5	29·956	68·4	52·5	15·9	59·2	− 2·9	54·9	51·1	8·1	17·3	2·5	74	118·2	44·4	58·9	0·000	2·5	15·2
6	29·867	68·0	56·0	12·0	61·0	− 1·2	59·0	57·6	3·4	9·0	1·0	88	121·8	48·5	58·9	0·014	1·0	15·2
7	29·994	59·5	55·3	4·2	57·2	− 5·0	55·7	54·5	2·7	4·2	0·9	91	66·1	53·9	58·7	0·022	0·0	15·1
8	30·061	67·9	50·4	17·5	59·1	− 3·2	56·1	53·6	5·5	13·2	0·8	82	114·8	40·7	58·8	0·000	1·7	15·0
9	29·887	73·9	48·1	25·8	60·2	− 2·1	57·3	54·9	5·3	13·9	0·0	83	134·1	39·9	58·9	0·000	4·0	15·0
10	29·756	73·9	54·1	19·8	63·1	+ 0·8	59·8	57·3	5·8	17·0	0·0	81	134·4	43·1	58·9	0·140	5·5	14·9
11	29·749	66·9	57·0	9·9	60·6	− 1·8	58·0	55·9	4·7	8·5	0·6	85	97·8	51·8	58·8	0·204	0·6	14·9
12	29·745	69·2	53·1	16·1	60·3	− 2·2	57·0	54·3	6·0	13·1	0·8	81	114·7	46·7	58·8	0·007	2·1	14·8
13	29·823	69·8	52·2	17·6	60·3	− 2·2	56·0	52·3	8·0	15·9	2·1	75	126·8	41·2	58·8	0·000	2·6	14·8
14	29·820	71·8	52·9	18·9	60·7	− 1·8	56·8	53·6	7·1	15·1	1·5	77	125·3	41·7	59·0	0·000	3·8	14·7
15	29·833	81·5	47·7	33·8	63·5	+ 1·1	58·7	54·9	8·6	21·0	0·8	74	140·8	36·3	59·1	0·000	12·6	14·7
16	29·894	82·9	52·8	30·1	66·9	+ 4·6	61·5	57·7	9·2	20·5	0·5	72	136·0	42·7	59·1	0·000	11·8	14·6
17	29·916	81·1	59·1	22·0	68·1	+ 6·0	61·8	57·3	10·8	23·6	3·4	69	136·9	49·0	59·3	0·000	11·8	14·5
18	29·923	78·6	59·7	18·9	65·8	+ 3·9	59·8	55·2	10·6	20·2	1·6	69	141·1	51·0	59·3	0·000	4·7	14·5
19	29·821	68·6	56·0	12·6	60·0	− 1·7	56·4	53·4	6·6	15·4	0·8	79	108·2	51·3	59·6	0·058	0·1	14·4
20	29·772	77·0	58·4	18·6	66·1	+ 4·6	61·8	58·9	7·2	17·1	0·6	78	135·1	47·9	59·8	0·000	5·2	14·3
21	29·875	71·5	56·1	15·4	62·7	+ 1·4	58·3	54·9	7·8	16·0	0·5	75	115·2	46·0	59·8	0·000	2·9	14·3
22	30·110	70·5	51·3	19·2	60·7	− 0·4	54·8	49·5	11·2	17·7	2·4	67	129·7	39·0	59·9	0·000	9·2	14·2
23	30·194	76·9	46·0	30·9	61·4	+ 0·5	55·5	50·3	11·1	23·0	0·8	67	129·3	34·4	60·0	0·000	12·5	14·2
24	30·196	80·6	54·1	26·5	67·1	+ 6·3	61·5	57·5	9·6	18·6	2·2	72	124·8	43·7	60·0	0·000	12·5	14·1
25	30·192	81·5	55·3	26·2	67·6	+ 6·9	62·4	58·8	8·8	19·9	0·9	74	135·4	45·3	60·0	0·000	6·3	14·0
26	30·211	70·4	54·8	15·6	63·0	+ 2·3	58·3	54·6	8·4	18·6	1·7	74	132·2	46·3	60·0	0·000	8·1	14·0
27	30·172	69·8	53·0	16·8	60·4	− 0·2	56·4	53·0	7·4	16·4	0·8	77	136·4	42·8	60·0	0·000	11·3	13·9
28	30·149	77·2	51·1	26·1	62·4	+ 2·0	57·9	54·4	8·0	22·9	0·0	75	133·7	38·7	60·1	0·000	8·9	13·8
29	30·162	84·6	47·2	37·4	63·5	+ 3·2	56·7	50·9	12·6	36·8	0·0	63	139·0	34·0	60·2	0·000	8·7	13·8
30	30·053	82·8	58·0	24·8	69·1	+ 9·0	61·9	56·7	12·4	26·5	5·1	65	137·5	44·7	60·1	0·000	6·8	13·7
31	29·996	69·8	59·9	9·9	64·6	+ 4·7	59·7	56·0	8·6	13·7	3·7	74	117·1	53·5	60·0	0·000	2·5	13·7
																Sum		
Means	29·930	73·2	53·7	19·5	62·4	+ 0·8	58·1	54·6	7·8	17·2	1·3	76·0	124·7	44·6	59·4	0·561	5·6	14·6
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·930in., being 0·140in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 84°·6 on August 29; the lowest in the month was 46·0 on August 23; and the range was 38°·6.
The mean of all the highest daily readings in the month was 73°·2, being 0°·5 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 53°·7, being 0°·7 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 19°·5, being 0°·2 less than the average for the 65 years, 1841–1905.
The mean for the month was 62°·4, being 0°·8 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	P.M.	Pressure on the Square Foot. Greatest.	Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
Aug. 1	5·5	0·85	5·5	0·85	SW : NW : N	NNW : NW	0·2	0·04	201	c	c i d c *Ast*	c d c	c b
2	3·3	0·50	2·5	0·38	SW	SW : W	5·0	0·53	343	b c	c r d_o	d_o c b	b c
3	6·5	0·99	6·5	0·99	WSW	WSW : SW	5·0	0·64	402	c	c *Acu* y	c y	c b
4	3·9	0·59	3·1	0·47	WSW : W	WNW : WSW	3·4	0·37	362	b c	c r c *Acu*	c *Nbst* p_o c y	b
5	1·6	0·25	1·3	0·19	WSW : W	WSW : SW	0·6	0·05	243	c	c *Stcu*	c *Acu Frcu* y	c
6	0·0	0·00	0·0	0·00	SSW : SW	SW : W	3·1	0·20	280	c	c d p_o c	c i d	c
7	0·0	0·00	0·0	0·00	W : N	N : NNE	2·9	0·25	295	c d_o	d_o c *Stcu*	c d c	c
8	5·9	0·85	5·9	0·85	Calm	Calm	0·0	0·00	167	c	c m_o	c b	b w
9	4·8	0·68	4·6	0·66	Calm	ESE : Calm	0·2	0·01	167	b c m	c m c *Frcu*	c *Ci Frcu*	c b c w
10	0·0	0·00	0·0	0·00	Calm : E	E : ESE	1·0	0·05	196	c m w	c *Stcu* z_o	c b c t l r_o	r c R
11	5·3	0·76	5·1	0·73	ENE : NNE	N : NW : WSW	0·3	0·03	209	R rr	rr c r_o	c b	bc c b
12	4·9	0·70	4·5	0·64	WSW	WNW : NNW	0·8	0·07	249	b w	c d c *Nbst*	r c *Stcu*	c b
13	5·1	0·74	4·1	0·59	WSW	WSW : SSW	1·0	0·07	250	b c	c *Ast*	c *Ast* b c	c b
14	6·5	0·92	6·3	0·88	SSW : SW	SSW : Calm	1·1	0·10	237	c w	c *Stcu*	c *Stcu*	c b w
15	7·5	1·00	7·5	1·00	Calm : SW	SW : Calm	0·2	0·03	181	b w	bc *Acu* y	bc *Acu Ci* y	b
16	7·1	0·94	6·5	0·87	Calm	WSW : Calm	0·5	0·03	192	b w	b *Frcu* z_o y	b c y b	b
17	4·3	0·58	3·9	0·52	Calm : WSW	SW : WSW	2·0	0·10	246	c w	c b *Ci* z_o y	b *Ci* y	b c
18	0·6	0·08	0·5	0·06	SW : WSW	W : NW : NNW	1·0	0·05	233	c d_o c	c *Stcu*	c *Stcu* b y	b c
19	1·3	0·17	0·8	0·11	Calm : WSW	SW : SSW	2·8	0·17	270	c	c *so.-ha* y	c r i d	c r r_o d_o
20	4·6	0·61	4·2	0·56	WSW	WSW : SW	0·3	0·03	224	c	c *Frcu*	c *Frcu Ci* y	c b
21	6·3	0·83	6·1	0·81	SW : W : NW	NNW : N	1·2	0·06	240	b w c	c *Stcu*	c *Stcu*	c b
22	7·7	0·96	7·5	0·93	N : NNW	N : NNW	0·7	0·04	213	b w	b c *Frcu* y	c y	b
23	8·0	1·00	8·0	1·00	Calm	WSW : SW	0·7	0·02	177	b w	b *Cu* y z_o	b y z_o	b w
24	7·7	0·97	7·6	0·95	WSW	Calm : NNW	0·1	0·01	192	b w	b *Cu* z_o y	b z_o y	b
25	3·4	0·43	2·9	0·36	Calm : N	N : ENE	0·5	0·01	171	b w	c *Stcu* m_o	c b c y	c b
26	..	..	..	..	ENE	E : ENE	1·9	0·20	288	b c	c b *Frcu* y	b *Ci* y	b c
27	6·9	0·87	6·4	0·80	ENE : E	E : ENE	3·9	0·23	275	c	c b *Ci* y	b *Ci*	b
28	8·0	1·00	8·0	1·00	Calm : ENE	ESE	0·7	0·03	199	b w o f	o f c b y	b y	b w
29	8·5	1·00	8·5	1·00	Calm	Calm	0·0	0·00	143	b w f	b f b y	b y	b
30	7·1	0·83	6·8	0·80	SW : WSW	W : NW	0·9	0·06	260	b bc w	c *Ci Cist* y	c y	c b
31	5·1	0·60	4·5	0·53	NW : NNW	NW : NNW	1·0	0·10	259	b c	c *Stcu*	c *Stcu*	c
Means	4·9	0·66	4·6	0·62	..	..	..	0·12	237				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 58°·1, being 0°·6 higher than
The mean *Temperature of the Dew Point* for the month was 54°·6, being 0°·3 higher than
The mean *Degree of Humidity* for the month was 76·0, being 0·8 less than
The mean *Elastic Force of Vapour* for the month was 0·429in., being 0·005in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 6·3.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·381. The maximum daily amount of *Sunshine* was 12·6 hours on August 15.

The highest reading of the *Solar Radiation Thermometer* was 141°·1 on August 18; and the lowest reading of the *Terrestrial Radiation Thermometer* was 34°·0 on August 29.

The *Proportions of Wind* referred to the cardinal points were N. 16, E. 11, S. 17, W. 32, calm or nearly calm conditions 24, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 5·0 lbs. on the square foot on August 2 and 3. The mean daily *Horizontal Movement of the Air* for the month was 237 miles; the greatest daily value was 402 miles on August 3, and the least daily value was 143 miles on August 29.

Rain (0·005in. or over) fell on 9 days in the month, amounting to 0·561in., as measured by gauge No. 6 partly sunk below the ground; being 1·783in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Barometer.	Temperature.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	Temperature.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Sept. 1	29·962	72·6	59·1	13·5	63·6	+ 3·8	59·4	56·3	7·3	13·0	2·6	77	115·9	51·1	60·0	0·000	1·7	13·6
2	29·786	80·2	57·3	22·9	65·4	+ 5·7	61·0	57·9	7·5	17·0	2·1	77	131·8	46·9	60·2	0·000	3·5	13·5
3	29·610	72·8	54·2	18·6	62·1	+ 2·5	59·9	58·3	3·8	9·1	0·7	87	104·4	44·5	60·0	0·104	0·2	13·5
4	29·470	69·1	55·2	13·9	61·0	+ 1·5	58·8	57·1	3·9	9·9	2·0	87	106·1	48·9	60·0	0·131	1·3	13·4
5	29·415	67·2	55·8	11·4	58·8	− 0·6	56·6	54·8	4·0	11·0	0·9	86	127·0	51·9	60·0	0·478	3·0	13·3
6	29·581	67·0	54·1	12·9	59·2	− 0·0	54·8	50·9	8·3	16·8	3·1	74	124·7	48·6	60·1	0·000	2·9	13·3
7	29·246	67·3	56·9	10·4	61·4	+ 2·4	55·9	51·1	10·3	23·2	1·0	69	124·7	51·5	60·0	0·041	7·5	13·2
8	29·486	66·1	52·9	13·2	58·5	− 0·3	54·2	50·4	8·1	12·6	3·5	74	122·9	46·8	59·8	0·043	2·1	13·1
9	29·810	69·2	52·3	16·9	59·0	+ 0·4	56·1	53·7	5·3	12·9	1·8	83	118·9	42·9	59·8	0·000	0·9	13·1
10	29·841	69·3	54·3	15·0	60·4	+ 2·0	59·3	58·5	1·9	8·2	0·5	93	102·9	46·1	59·7	0·215	1·5	13·0
11	29·866	76·9	53·6	23·3	63·8	+ 5·7	59·3	55·9	7·9	16·4	0·4	75	140·6	44·3	59·8	0·000	10·6	12·9
12	29·816	69·2	57·1	12·1	61·9	+ 3·9	59·3	57·4	4·5	10·5	2·0	85	99·1	51·4	59·6	0·087	0·4	12·9
13	29·873	72·0	55·4	16·6	63·2	+ 5·4	60·1	57·8	5·4	13·5	0·7	83	120·5	45·4	59·7	0·000	3·5	12·8
14	29·947	70·2	50·1	20·1	57·7	− 0·0	54·0	50·6	7·1	15·1	1·6	77	139·4	41·8	59·7	0·039	7·9	12·8
15	30·005	64·5	50·7	13·8	53·8	− 3·8	52·1	50·5	3·3	11·8	1·0	88	115·8	41·4	59·5	0·286	1·5	12·7
16	30·101	66·7	49·6	17·1	57·7	+ 0·2	55·1	52·9	4·8	13·7	0·4	84	127·1	40·7	59·5	0·074	4·0	12·6
17	30·015	68·9	57·2	11·7	61·3	+ 4·1	59·1	57·5	3·8	10·7	0·3	87	107·9	55·0	59·4	0·000	0·1	12·6
18	29·973	69·2	51·1	18·1	60·2	+ 3·3	57·2	54·7	5·5	13·4	1·1	82	108·0	40·7	59·3	0·000	1·1	12·5
19	30·047	63·9	47·5	16·4	55·4	− 1·1	54·1	53·0	2·4	7·5	0·5	91	111·4	37·9	59·2	0·001*	1·6	12·4
20	29·976	68·9	52·9	16·0	61·8	+ 5·6	59·3	57·5	4·3	11·5	0·3	85	122·4	45·0	59·2	1·110	4·1	12·4
21	29·954	67·8	54·7	13·1	62·1	+ 6·2	60·9	60·1	2·0	5·3	0·7	93	96·0	44·2	59·3	0·103	0·1	12·3
22	30·211	72·3	52·1	20·2	59·6	+ 4·0	57·6	56·1	3·5	13·0	0·0	88	121·1	40·3	59·3	0·000	4·3	12·2
23	30·094	67·7	52·7	15·0	58·6	+ 3·2	57·3	56·3	2·3	9·8	0·0	92	108·3	43·2	59·2	0·000	3·2	12·2
24	29·775	70·9	56·5	14·4	62·2	+ 6·9	60·2	58·8	3·4	10·6	0·3	88	114·3	49·1	59·2	0·005	0·1	12·1
25	29·686	66·2	58·2	8·0	62·6	+ 7·4	60·6	59·2	3·4	7·3	0·8	88	85·5	53·8	59·2	0·184	0·0	12·0
26	29·883	58·2	48·8	9·4	52·8	− 2·4	50·1	47·3	5·5	12·9	1·0	82	83·7	44·0	59·1	0·060	0·1	12·0
27	29·673	52·5	46·8	5·7	49·3	− 5·8	46·7	43·8	5·5	8·5	1·4	81	67·1	40·8	59·0	0·160	0·6	11·9
28	29·865	56·8	44·7	12·1	49·8	− 5·1	46·2	41·9	7·9	15·7	0·9	74	116·3	36·2	59·0	0·035	8·3	11·8
29	30·091	57·9	41·9	16·0	49·0	− 5·7	45·5	41·2	7·8	13·3	1·8	74	110·0	30·7	58·8	0·000	7·8	11·8
30	30·075	56·8	43·1	13·7	51·0	− 3·4	48·6	46·0	5·0	9·0	1·7	83	91·0	32·1	58·3	0·000	0·8	11·7
Means	29·838	67·3	52·6	14·7	58·8	+ 1·5	56·0	53·6	5·2	12·1	1·2	82·9	112·2	44·6	59·5	Sum 3·156	2·8	12·7
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·838in., being 0·020in. higher than the average for the 65 years, 1841–1905.

*Rainfall (Column 16) the amount entered on September 19 is derived from dew.

TEMPERATURE OF THE AIR.

The highest in the month was 80°·2 on September 2; the lowest in the month was 41°·9 on September 29; and the range was 38°·3.
The mean of all the highest daily readings in the month was 67°·3, being equal to the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 52°·6, being 3°·5 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 14°·7, being 3°·5 less than the average for the 65 years, 1841–1905.
The mean for the month was 58°·8, being 1°·5 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris Duration.	δ Ursæ Minoris Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles				
Sept. 1	2·7	0·32	1·8	0·21	NW : N	Calm	0·7	0·05	204	c	c *Stcu*	c *Acu Cicu* bc	c r$_o$ *lu.-ha*
2	7·5	0·89	7·2	0·84	Calm : WSW	WSW : Calm	0·7	0·05	214	c	c *Ast*	c *so-ha* y	c b
3	7·4	0·87	7·0	0·82	Calm : SSW	SSW : SW	2·0	0·10	223	b c	c *Nbst* r$_o$ r	c *Nbst* i r	c b
4	1·6	0·18	1·2	0·14	SSW : SW	SW : WSW	6·0	0·66	349	bc	c r i r$_o$ c	c i r c	c
5	2·5	0·28	1·9	0·21	SW : WSW	W : WSW	4·2	0·25	318	c rr	c *Cunb* t l p	R t l c t p	c p
6	0·0	0·00	0·0	0·00	W	WSW : SSW	4·2	0·55	360	c	c *Ci Frcu* y	c *Frcu Cunb*	c
7	6·6	0·74	5·8	0·65	S : SW : WNW	W : WSW	15·6	2·74	570	c r r$_o$	bc *Frcu* q y	bc c q y	c p
8	2·5	0·27	1·5	0·16	WSW : W	NW : WNW	7·0	1·15	434	c b	c r i d	c *Frcu*	c b
9	3·0	0·34	3·0	0·34	Calm	SSE : Calm	0·1	0·00	163	b c	c m$_o$ c *Acu*	c *Acu*	c b c
10	5·9	0·65	5·0	0·61	SE : Calm	S : Calm	0·3	0·01	183	c r c	c rr d c	c d c b	b c w
11	6·9	0·77	6·1	0·68	Calm : SE	SSE	1·8	0·10	224	c b w	b *Ci Cu* y	b *Ci Cu* y	b
12	1·7	0·18	0·9	0·09	S : SSE	SSE : S : Calm	0·6	0·06	211	c	c *Nbst* r$_o$	r c r	c r c
13	9·0	0·95	8·8	0·93	Calm : W	NW : WSW	0·4	0·03	203	c	c *Stcu* m$_o$	c *Frcu Ci* b	b w
14	3·4	0·36	3·2	0·34	WSW	WSW : SW	4·1	0·07	250	b w	b bc *Frcu* m$_o$	bc c *Cunb* P c	b c
15	5·3	0·55	4·0	0·42	WSW : NNW : N	NE : ENE	3·3	0·03	197	c	c *Acu* m$_o$	c *Cunb* t l R b	b c b
16	0·0	0·00	0·0	0·00	NE : NNE	ENE : NNE	1·1	0·05	218	b c r c	c *Frcu*	c p c *Ast*	c r$_o$ r
17	0·0	0·00	0·0	0·00	NNE	N : Calm	0·2	0·03	201	c	c m$_o$ c	c p c d$_o$	c
18	7·7	0·81	1·3	0·14	N : Calm	SW : Calm	0·1	0·00	167	c	c *Acu* m$_o$	c *Acu*	c b m$_o$ w
19	5·7	0·59	4·9	0·50	Calm : E	NE : E	0·2	0·02	190	b w m f	b f c m$_o$	c m	c b
20	0·0	0·00	0·0	0·00	NE : ENE	ENE	4·3	0·37	308	b w c	c b c *Acu*	c r R c	c t l RR
21	4·4	0·45	0·0	0·00	SW	Calm : NNW	1·1	0·04	204	c r c	c r$_o$ c	c i r$_o$	c b
22	3·0	0·31	0·0	0·00	Calm	Calm	0·1	0·00	138	b FeFe	FeFe b m$_o$	b *Frcu* z$_o$ c	c b w m$_o$
23	3·6	0·37	1·6	0·16	Calm	E : ESE	0·2	0·02	173	b w m f	f c m	b *Frcu* m$_o$	c w
24	0·2	0·02	0·2	0·02	E : ESE	SE : Calm	0·3	0·01	187	c	c *Acu* m	c *Ast*	c r$_o$
25	0·4	0·04	0·0	0·00	S : SW : WSW	WSW : NNE	1·5	0·10	264	c	c d c *Ast*	c *Ast*	c r
26	0·0	0·00	0·0	0·00	NNE	NNE : N	1·5	0·15	269	c i r	c i r	c	c
27	8·3	0·81	8·2	0·80	W	W : NNW	2·0	0·17	289	c	c r$_o$ rr	rr t bc	b c
28	9·7	0·95	9·2	0·90	N : NNE	NE : NNE : N	6·4	0·40	341	c b	b c *Frcu*	b c r b *Frcu*	bc *lu.-ha*
29	6·7	0·65	6·5	0·63	N : NNW	N : NNW	2·8	0·14	261	b w c	c b m$_o$ c	c b *Frcu* c	c b m$_o$
30	0·3	0·03	0·0	0·00	NW : N	NNW : N	1·9	0·10	255	b c m$_o$	c *Acu*	c *Stcu*	c
Means	3·9	0·41	3·0	0·32	..	..	..	0·25	252				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 56°·0, being 1°·9 higher than
The mean *Temperature of the Dew Point* for the month was 53°·6, being 2°·5 higher than
The mean *Degree of Humidity* for the month was 82·9, being 3·0 greater than
The mean *Elastic Force of Vapour* for the month was 0·414in., being 0·035in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 7·6.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·223. The maximum daily amount of *Sunshine* was 10·6 hours on September 11.

The highest reading of the *Solar Radiation Thermometer* was 140°·6 on September 11; and the lowest reading of the *Terrestrial Radiation Thermometer* was 30°·7 on September 29.

The *Proportions of Wind* referred to the cardinal points were N. 20, E. 15, S. 18, W. 24, calm or nearly calm conditions, 23, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 15·6 lbs. on the square foot on September 7. The mean daily *Horizontal Movement of the Air* for the month was 252 miles; the greatest daily value was 570 miles on September 7, and the least daily value was 138 miles on September 22.

Rain (0·005in. or over) fell on 17 days in the month, amounting to 3·156in., as measured by gauge No. 6 partly sunk below the ground; being 1·008in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1936.	BAROMETER.	TEMPERATURE.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	TEMPERATURE.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Oct. 1	30·070	56·0	49·1	6·9	52·6	− 1·5	49·8	46·9	5·7	8·8	3·6	81	73·3	45·2	58·0	0·000	0·0	11·6
2	30·114	58·9	42·4	16·5	51·6	− 2·1	48·4	45·0	6·6	15·3	3·5	78	98·3	31·3	57·9	0·000	1·2	11·6
3	30·096	58·4	36·1	22·3	46·4	− 6·9	42·5	37·3	9·1	24·2	2·2	70	112·1	24·5	57·7	0·000	10·0	11·5
4	29·889	62·6	34·0	28·6	46·6	− 6·4	43·1	38·6	8·0	22·3	1·1	73	117·2	22·7	57·4	0·000	9·7	11·4
5	29·872	53·6	34·5	19·1	44·7	− 8·1	41·5	37·0	7·7	18·6	0·7	74	104·7	23·4	57·0	0·012	3·0	11·4
6	29·996	52·2	39·1	13·1	44·9	− 7·6	41·6	36·9	8·0	15·1	2·8	74	105·9	29·8	56·7	0·001	3·7	11·3
7	30·049	52·1	36·7	15·4	44·6	− 7·7	41·2	36·3	8·3	14·2	1·5	73	85·2	26·3	56·3	0·000	2·4	11·3
8	29·994	52·1	40·8	11·3	45·5	− 6·5	42·5	38·5	7·0	15·8	1·4	77	105·5	32·2	56·0	0·004	2·4	11·2
9	29·963	51·9	37·0	14·9	45·2	− 6·4	42·0	37·5	7·7	14·2	2·5	75	83·9	25·0	55·7	0·006	0·7	11·1
10	30·008	52·2	41·8	10·4	46·8	− 4·5	43·5	39·3	7·5	12·9	3·4	75	77·3	34·0	55·6	0·026	1·8	11·1
11	30·111	54·0	36·1	17·9	45·7	− 5·2	42·9	39·2	6·5	15·4	1·7	78	101·6	25·1	55·1	0·000	5·0	11·0
12	30·067	57·8	36·0	21·8	48·1	− 2·5	45·1	41·3	6·8	9·2	1·2	77	78·0	25·0	55·0	0·000	0·2	10·9
13	29·926	57·8	44·9	12·9	50·8	+ 0·5	47·7	44·3	6·5	11·0	2·5	78	89·2	37·0	55·0	0·000	1·0	10·9
14	29·795	57·6	42·0	15·6	52·2	+ 2·1	50·7	49·1	3·1	5·2	1·8	90	72·4	30·9	54·8	0·049	0·2	10·8
15	29·860	67·2	49·6	17·6	56·4	+ 6·5	53·0	49·8	6·6	12·4	1·9	78	113·5	40·9	54·8	0·000	4·9	10·7
16	30·003	59·3	46·0	13·3	52·6	+ 2·8	49·4	46·0	6·6	15·2	1·2	78	96·6	37·3	54·7	0·000	3·3	10·7
17	29·845	59·8	50·1	9·7	56·1	+ 6·5	52·3	48·6	7·5	14·0	4·0	76	80·9	42·3	54·7	0·010	0·6	10·6
18	29·863	57·4	45·0	12·4	52·3	+ 3·0	46·6	39·6	12·7	19·8	3·8	62	105·4	35·3	54·7	0·000	8·0	10·6
19	29·690	56·2	42·6	13·6	49·1	0·0	45·3	40·6	8·5	17·4	5·6	73	95·1	35·0	54·5	0·038	2·4	10·5
20	29·967	51·1	42·0	9·1	47·3	− 1·5	42·4	35·4	11·9	21·6	4·9	63	94·9	34·0	54·3	0·000	6·4	10·4
21	30·028	55·8	49·9	5·9	52·8	+ 4·2	49·9	46·8	6·0	8·7	4·6	80	60·5	47·4	54·2	0·000	0·0	10·4
22	30·067	61·7	45·2	16·5	54·0	+ 5·7	51·5	49·1	4·9	9·3	1·6	83	98·1	37·5	54·1	0·000	0·9	10·3
23	29·975	59·6	51·3	8·3	53·8	+ 5·7	51·2	48·7	5·1	11·7	2·4	83	79·8	44·5	54·1	0·026	0·1	10·2
24	29·846	57·6	45·6	12·0	50·4	+ 2·5	48·3	46·0	4·4	12·6	1·0	85	102·3	37·3	54·0	0·070	4·4	10·2
25	29·485	54·4	41·0	13·4	49·4	+ 1·7	45·7	41·2	8·2	20·4	2·3	73	96·2	33·0	54·0	0·436	3·8	10·1
26	29·412	59·7	40·5	19·2	51·6	+ 4·0	49·6	47·5	4·1	9·5	1·8	86	62·7	33·0	54·0	0·242	0·0	10·0
27	29·526	55·0	41·5	13·5	48·0	+ 0·5	42·5	34·6	13·4	17·3	3·9	59	81·8	34·7	53·9	0·084	3·2	10·0
28	29·874	52·2	39·2	13·0	45·9	− 1·5	42·0	36·6	9·3	14·2	4·3	69	82·4	30·4	53·8	0·000	4·6	9·9
29	30·139	56·0	30·3	25·7	44·7	− 2·6	43·4	41·8	2·9	12·3	2·0	89	82·7	21·9	53·6	0·007	0·9	9·9
30	30·008	63·1	51·5	11·6	57·4	+10·2	54·8	52·6	4·8	11·5	1·3	84	92·1	43·9	53·5	0·006	2·3	9·8
31	29·880	56·2	41·5	14·7	49·7	+ 2·6	48·5	47·3	2·4	6·6	1·2	91	54·1	34·3	53·2	0·771	0·0	9·7
Means	29·917	56·8	42·0	14·7	49·6	− 0·4	46·4	42·6	7·0	14·1	2·5	76·9	89·8	33·4	55·1	Sum 1·788	2·8	10·7
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·917in., being 0·189in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 67°·2 on October 15 ; the lowest in the month was 30°·3 on October 29 ; and the range was 36°·9.
The mean of all the highest daily readings in the month was 56°·8, being 0°·7 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 42°·0, being 1°·2 lower than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 14°·7, being 0°·4 greater than the average for the 65 years, 1841–1905.
The mean for the month was 49°·6, being 0°·4 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles.				
Oct. 1	0·0	0·00	0·0	0·00	N	N	0·9	0·11	268	c	c *Stcu*	c *Ast*	c
2	9·7	0·95	9·5	0·93	N : NNE	E	1·4	0·07	231	c	c *Stcu*	c *Stcu*	b c
3	10·7	1·00	10·7	1·00	Calm : SE	SE : ESE	0·6	0·05	203	c b x	b y	b y	b x
4	10·7	1·00	10·7	1·00	Calm	Calm : SE	0·1	0·00	155	b x f	b f b y	b *Ci* y	b f x
5	4·8	0·45	4·1	0·39	Calm : E	E : NE	5·2	0·44	267	b f x	c d c *Frcu*	c *Stcu* b y	b c r_o
6	10·4	0·97	10·4	0·97	NE	NE : N	3·7	0·15	..	c r_o	c bc c *Acu Ci*	c *Acu* p_o c	b
7	4·7	0·44	4·1	0·38	N : NE	NNE : N	1·1	0·10	..	b x c	c *Stcu*	c *Stcu*	c b w
8	2·7	0·26	2·6	0·25	NE : Calm	E : NE	0·8	0·05	..	c	c m i d_o	c b c *Frcu*	c
9	2·0	0·18	1·7	0·16	Calm : NE	NE	1·2	0·07	..	c b x c	c m bc y	c *Nbst* d_o	c b c p
10	6·3	0·56	4·7	0·41	NE	NE : N	1·2	0·10	..	c r	c p c *Nbst*	c *Acu*	c
11	6·2	0·55	4·7	0·41	N : NE	NNE : Calm	0·5	0·03	..	c b x	b m c *Frcu*	c *Acu*	b m x
12	5·4	0·48	4·2	0·37	Calm	NNW : NW	0·6	0·03	..	b c m	o f	f c *Acu* m_o	c b
13	5·3	0·47	4·5	0·40	WSW : NW	NNW : NW	0·9	0·08	..	b c	c b m c *Acu*	c *Stcu* m	c m_o b
14	4·7	0·41	3·5	0·31	SW	SW : NW	1·9	0·10	..	b c	c i r_o c	c *Nbst* d c	r c
15	11·1	0·99	10·9	0·97	WSW	W : NW : WSW	2·9	0·26	..	c	c *Acu*	c *Stcu* b	b w
16	7·1	0·63	6·5	0·58	WSW : W	W : WSW	3·6	0·20	..	b w	b m_o c *Cicu*	c *Acu* b	b c
17	4·7	0·41	3·0	0·26	WSW	SW : WSW	10·0	1·47	..	c b c	c *Stcu*	c *Stcu*	b c r_o
18	5·7	0·50	4·4	0·38	W	WNW : WSW	4·5	0·98	..	c b	b *Frcu* y	b *Frcu*	b c
19	10·2	0·88	9·5	0·83	WSW	W : NW	14·0	1·96	..	c b c	c r_o p c	c p	b
20	0·0	0·00	0·0	0·00	NW : NNW	NNW : NW : W	4·2	0·78	..	b	b *Ci* y	bc *Acu* c m_o	c m_o
21	5·3	0·46	5·1	0·44	WSW : W	W	1·6	0·18	..	c m	c *Ast* m	c *Ast* m_o	c
22	0·3	0·03	0·0	0·00	WSW	WSW : Calm	0·3	0·03	..	c b	b c *Stcu* m	c *Acu* m_o	c m
23	1·4	0·12	1·1	0·10	SSW	SW : SSW	1·0	0·07	..	c d_o m_o	c *Stcu*	c d_o m	c r r_o
24	4·0	0·33	3·9	0·32	Calm : SW	WSW : SW	3·7	0·23	..	c r r_o	c m b *Acu*	b c b	b c
25	8·5	0·71	7·8	0·65	SSW : W	WSW	11·5	1·17	..	c rr	R r c b *Frcu* y	b c t P h c	b
26	8·6	0·72	8·3	0·69	WSW : SSW	WSW	12·0	1·49	..	b c	c rr c	i d	i d c
27	9·7	0·81	9·6	0·80	W : WSW	WSW : W	12·2	2·22	..	c b q	b c *Cist so.-ha* y	c *so.-ha* c i d	r c b
28	11·6	0·97	11·6	0·97	W : WNW	NW	5·2	0·83	..	b	b c *Cist*	c b *Frcu* y c	b
29	1·9	0·16	1·3	0·11	Calm : SW	SW : SSW	0·6	0·05	..	b x	b f c *Ci Acu*	c d d_o	c d c
30	0·9	0·08	0·4	0·03	SW : WSW	WSW : SW	2·0	0·19	..	c	c *Acu Ci*	c *Acu*	d_o c
31	10·0	0·80	10·0	0·80	SW : NNE	NNE : N	6·3	0·65	..	c d_o r m	rr m	rr r_o	r_o b
Means	6·0	0·53	5·4	0·48	..	..	..	0·46	..				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 46°·4, being 1°·5 lower than
The mean *Temperature of the Dew Point* for the month was 42°·6, being 3°·0 lower than
The mean *Degree of Humidity* for the month was 76·9, being 8·0 less than
The mean *Elastic Force of Vapour* for the month was 0·274in., being 0·034in. less than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 6·8.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·263. The maximum daily amount of *Sunshine* was 10·0 hours on October 3.

The highest reading of the *Solar Radiation Thermometer* was 117°·2 on October 4; and the lowest reading of the *Terrestrial Radiation Thermometer* was 21°·9 on October 29.

The *Proportions of Wind* referred to the cardinal points were N. 23, E. 12, S. 16, W. 37, calm or nearly calm conditions, 12, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 14·0 lbs. on the square foot on October 19.

Rain (0·005in. or over) fell on 14 days in the month, amounting to 1·788in., as measured by gauge No. 6 partly sunk below the ground; being 0·994in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1936.	BAROMETER.	TEMPERATURE.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	TEMPERATURE.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Nov. 1	30·030	48·9	34·8	14·1	42·0	− 5·0	39·9	36·9	5·1	10·0	1·7	82	63·8	25·2	53·0	0·011	2·2	9·7
2	29·861	52·6	39·6	13·0	47·8	+ 1·0	46·6	45·2	2·6	5·7	0·9	91	61·7	29·3	52·0	0·013	0·0	9·6
3	29·781	49·2	38·0	11·2	45·3	− 1·3	44·8	44·3	1·0	1·2	0·0	96	51·3	28·4	51·8	0·347	0·0	9·6
4	29·767	48·0	41·7	6·3	45·7	− 0·7	44·5	43·0	2·7	6·8	0·9	91	52·0	32·2	51·6	0·000	0·0	9·5
5	29·539	52·9	41·5	11·4	47·2	+ 1·1	45·2	42·9	4·3	9·2	2·7	85	65·8	32·6	52·4	0·050	0·0	9·5
6	29·099	53·9	36·5	17·4	46·0	+ 0·2	44·2	42·0	4·0	8·6	1·7	86	91·3	26·3	52·3	0·118	1·5	9·4
7	28·792	48·8	41·9	6·9	45·1	− 0·3	43·4	41·2	3·9	6·9	3·0	86	83·2	34·6	52·1	0·220	1·1	9·3
8	28·953	51·0	40·1	10·9	45·0	− 0·0	41·8	37·3	7·7	18·2	3·9	75	83·6	32·3	52·0	0·041	6·6	9·3
9	29·042	55·0	42·9	12·1	48·5	+ 3·9	45·6	42·1	6·4	12·3	4·5	78	82·6	35·0	52·0	0·255	3·6	9·2
10	29·415	50·7	38·2	12·5	44·7	+ 0·4	41·9	38·0	6·7	10·7	2·9	77	66·3	31·7	51·7	0·002	1·6	9·2
11	29·333	54·4	31·9	22·5	42·9	− 1·1	41·7	40·1	2·8	8·1	0·2	90	59·1	22·3	51·4	0·475	0·5	9·1
12	28·974	53·3	48·0	5·3	50·8	+ 7·1	49·3	47·8	3·0	6·2	0·6	89	63·3	44·0	51·2	0·587	0·2	9·1
13	29·688	50·1	38·7	11·4	47·1	+ 3·6	45·1	42·7	4·4	7·2	1·6	85	62·4	28·2	51·0	0·010	0·2	9·0
14	29·938	51·7	34·1	17·6	43·6	+ 0·3	41·8	39·4	4·2	8·3	0·7	85	67·6	25·3	51·0	0·139	1·8	8·9
15	29·990	52·7	37·2	15·5	45·9	+ 2·8	43·7	40·9	5·0	9·1	3·0	83	64·3	30·0	51·0	0·010	0·1	8·9
16	29·749	54·3	49·5	4·8	52·4	+ 9·6	50·3	48·3	4·1	7·2	0·4	86	59·0	47·0	50·9	0·185	0·0	8·8
17	29·633	56·1	44·9	11·2	53·7	+11·1	52·2	50·8	2·9	5·6	1·7	90	64·6	41·5	50·8	0·351	0·0	8·8
18	29·731	46·2	43·8	2·4	45·1	+ 2·7	42·3	38·5	6·6	7·7	3·9	78	46·1	39·8	49·7	0·068	0·0	8·7
19	30·023	45·6	43·0	2·6	44·2	+ 1·9	42·9	41·3	2·9	5·6	1·4	89	46·5	41·2	49·7	0·027	0·0	8·7
20	30·346	44·1	38·4	5·7	42·3	+ 0·1	38·9	33·7	8·6	11·7	4·2	71	52·2	31·7	50·7	0·000	0·0	8·6
21	30·334	46·2	35·7	10·5	39·6	− 2·5	38·2	36·2	3·4	7·7	0·4	87	70·0	26·8	50·5	0·000	3·3	8·6
22	30·176	45·8	36·0	9·8	38·8	− 3·3	38·1	37·1	1·7	5·4	0·0	93	45·5	27·1	50·3	0·000	0·9	8·5
23	29·985	38·1	32·9	5·2	36·5	− 5·5	35·8	34·6	1·9	2·7	0·0	93	40·4	33·2	50·1	0·000	0·0	8·5
24	29·910	37·2	35·2	2·0	36·1	− 5·9	35·2	33·5	2·6	4·3	2·8	91	40·5	33·4	49·9	0·000	0·0	8·4
25	29·980	40·4	32·2	8·2	35·8	− 6·1	35·0	33·5	2·3	3·6	1·5	92	39·5	32·0	49·8	0·018	0·0	8·4
26	29·893	44·1	37·0	7·1	40·7	− 1·1	39·8	38·5	2·2	5·4	0·4	92	53·2	28·5	49·5	0·003	0·0	8·4
27	29·903	41·9	35·0	6·9	38·5	− 3·2	37·5	35·9	2·6	4·4	0·7	91	44·7	31·0	49·3	0·000	0·0	8·4
28	30·045	41·9	35·4	6·5	39·7	− 1·8	38·1	35·9	3·8	4·9	1·0	86	44·8	28·3	49·1	0·000	0·0	8·3
29	30·015	49·8	32·4	17·4	40·1	− 1·1	39·2	37·8	2·3	8·2	0·2	92	46·1	22·0	49·0	0·088	0·0	8·3
30	29·770	54·1	44·3	9·8	50·2	+ 9·2	47·5	44·5	5·7	13·7	1·4	81	62·1	36·2	49·1	0·003	0·0	8·2
Means	29·723	48·6	38·7	9·9	44·0	+ 0·5	42·3	40·1	3·9	7·6	1·6	86·4	59·1	31·9	50·8	Sum 3·021	0·8	8·9
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·723 in., being 0·042 in. lower than the average for the 65 years, 1841—1905.

TEMPERATURE OF THE AIR.

The highest in the month was 56°·1 on November 17; the lowest in the month was 31°·9 on November 11; and the range was 24°·2.
The mean of all the highest daily readings in the month was 48°·6, being 0°·4 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 38°·7, being 0°·8 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 9°·9, being 1°·2 less than the average for the 65 years, 1841–1905.
The mean for the month was 44°·0, being 0°·5 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris Duration.	Polaris Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	P.M.	Pressure on the Square Foot. Greatest.	Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours		hours				lbs.	lbs.	miles				
Nov. 1	0·1	0·01	0·1	0·01	N : Calm	Calm : SW : SSW	0·9	0·06	221	b x f	b f	b c f	c d$_o$ d$_o$
2	5·5	0·44	4·1	0·33	SW : Calm : NNW	N : NNE : Calm	0·8	0·06	215	d$_o$ c	o *Ast* m	o *St* m	c b f
3	1·6	0·13	0·6	0·05	SW : WSW	WSW : Calm	1·0	0·04	213	b F c f	c rr m	r r$_o$ d g f	d f c
4	2·8	0·22	0·6	0·05	Calm	Calm : SSW	0·2	0·01	172	c	c b c f	c f	c f
5	11·1	0·89	9·6	0·77	SSW	SW : SSW	1·7	0·17	287	c *lu.-ha*	c rr c *Ast*	c p$_o$ c m$_o$	b
6	4·6	0·37	3·7	0·30	S.	S : SW	3·5	0·22	276	b x c	c *Acu Frcu*	c r	rr c b
7	5·0	0·38	4·1	0·32	SSW	SSW	4·3	0·53	366	b c i r	i r c p	c p r$_o$	b c
8	5·8	0·45	5·6	0·43	WSW	WSW : SW	8·5	1·17	469	c i r	c b *Frcu* y	b c r	b c
9	10·3	0·79	9·1	0·70	WSW	WSW	14·5	1·62	498	rr	rr c *Cist*	c b	b w
10	13·0	1·00	13·0	1·00	WSW : W	W : WSW	4·0	0·48	374	b c w	c m *Acu Frcu*	c p$_o$ b *Ci*	b
11	1·6	0·12	1·1	0·09	WSW : SSW	SSE : SW	5·0	0·15	289	b x m$_o$	b c *Cist so.-ha*	c r$_o$ r R	rr c
12	0·0	0·00	0·0	0·00	SW	SSW : NNE	6·1	1·17	410	c rr	R rr	rr c r	c d d$_o$ m$_o$
13	7·4	0·57	5·7	0·44	N : NNE	N : Calm	3·0	0·30	294	d$_o$d$_o$m$_o$	c *Stcu*	c *Stcu*	c m b x
14	11·9	0·91	10·0	0·77	SW	W : WSW	3·1	0·16	318	b x c	c d r R c *Ast*	c b	b
15	0·0	0·00	0·0	0·00	WSW	WSW	7·5	0·95	406	b x	c m$_o$ *Ast*	c *Nbst* r$_o$	c d$_o$
16	0·0	0·00	0·0	0·00	WSW : W	Calm : SW	4·5	0·27	281	c	c *Stcu* m	d d$_o$ m	d$_o$ rr
17	0·5	0·04	0·3	0·03	SW : WSW	SW : WSW : NW	4·0	0·87	405	rr c	c *Nbst* r	c *Nbst* p i r$_o$	r$_o$ R c
18	0·0	0·00	0·0	0·00	NNW : N	N : NNE	8·4	1·86	510	c r$_o$	c r r$_o$	r r$_o$ c	c
19	0·0	0·00	0·0	0·00	NNE : NE	NE	2·5	0·33	353	c r$_o$ d$_o$	c r$_o$ d$_o$ m$_o$	o d$_o$ m$_o$ o	o d$_o$
20	8·2	0·63	6·3	0·49	NE : ENE	ENE : NE	2·0	0·19	296	o c	c m$_o$ *Stcu*	c *Stcu*	c
21	6·7	0·50	5·3	0·40	NE : ENE	E : Calm	1·2	0·10	941	c b x	b m c b *Frcu*	b	b m$_o$ x c
22	0·6	0·04	0·6	0·04	Calm : ENE	E : Calm	0·6	0·02	153	c	Fe Fe	Fe b *Ci* m	fe fe
23	0·0	0·00	0·0	0·00	Calm	Calm	0·0	0·00	125	fe fe	Fe f o m	o *St m m*$_o$	o m$_o$
24	0·0	0·00	0·0	0·00	Calm	Calm	0·0	0·00	138	o m$_o$ d$_o$ m	o *St* m	o *St* m f	o f
25	0·0	0·00	0·0	0·00	Calm	NE	0·5	0·02	184	o f	o *St* f	o d$_o$ f	d$_o$d$_o$m
26	1·6	0·12	0·5	0·04	Calm	Calm	0·1	0·00	134	d$_o$ m f	o c *Stcu* f	c *Stcu* m	c m f
27	0·0	0·00	0·0	0·00	Calm	N : Calm	0·1	0·00	157	o f	o f	o f c *Stcu* m	c m
28	6·5	0·48	2·6	0·19	Calm : N	N	0·3	0·03	182	c m	b *Acu* f	b c m	c
29	0·0	0·00	0·0	0·00	Calm : WSW	SW	2·0	0·17	282	c b x c f	c f m	c r$_o$ r$_o$ m	r$_o$ c m$_o$
30	9·0	0·65	8·3	0·61	SW : WSW	WNW	5·2	0·55	418	c r$_o$m$_o$	c *Acu* m	c *Ci Frcu* m$_o$	c b
Means	3·8	0·29	3·0	0·24	..	..	..	0·38	289				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 42°·3, being 0°·4 higher than
The mean *Temperature of the Dew Point* for the month was 40°·1, being 0°·4 higher than
The mean *Degree of Humidity* for the month was 86·4, being 0·2 less than
The mean *Elastic Force of Vapour* for the month was 0·248in., being 0·002in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 7·9.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·089. The maximum daily amount of *Sunshine* was 6·6 hours on November 8.

The highest reading of the *Solar Radiation Thermometer* was 91°·3 on November 6; and the lowest reading of the *Terrestrial Radiation Thermometer* was 22°·0 on November 29.

The *Proportions of Wind* referred to the cardinal points were N. 16, E. 8, S. 22, W. 28, calm or nearly calm conditions, 26, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 14·5 lbs. on the square foot on November 9. The mean daily *Horizontal Movement of the Air* for the month was 289 miles; the greatest daily value was 510 miles on November 18, and the least daily value was 125 miles on November 23.

Rain (0·005in. or over) fell on 19 days in the month, amounting to 3·021in., as measured by gauge No. 6 partly sunk below the ground; being 0·801in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1936.	Barometer.	Temperature.							Difference between the Air Temperature and Dew Point Temperature.			Degree of Humidity (Saturation = 100).	Temperature.			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground.	Daily Duration of Sunshine.	Sun above Horizon.
		Of the Air.					Of Evaporation.	Of the Dew Point.					Of Radiation.		Of the Earth 4 ft. below the Surface of the Soil.			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit).	Highest.	Lowest.	Daily Range.	Mean of 24 Hourly Values.	Excess above Average of 65 Years.	Mean of 24 Hourly Values.	Deduced Mean Daily Value.	Mean.	Greatest.	Least.		Highest in Sun's Rays.	Lowest on the Grass.				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Dec. 1	29·856	46·9	40·3	6·6	43·7	+ 2·8	39·7	33·5	10·2	13·3	6·7	68	54·2	33·4	48·8	0·000	0·4	8·2
2	29·635	54·6	41·1	13·5	49·3	+ 8·4	46·6	43·5	5·8	9·4	0·6	80	55·8	35·0	48·8	0·145	0·0	8·2
3	29·709	53·9	48·4	5·5	51·8	+10·7	48·5	45·0	6·8	9·5	2·8	77	63·7	43·5	48·8	0·000	1·5	8·1
4	29·783	51·5	39·0	12·5	46·6	+ 5·3	41·8	34·8	11·8	20·9	6·2	64	71·2	28·0	48·8	0·000	5·0	8·1
5	29·634	44·6	35·8	8·8	40·5	− 1·0	38·1	34·4	6·1	10·0	4·1	78	55·0	29·3	48·8	0·058	0·7	8·1
6	29·698	39·7	32·8	6·9	36·7	− 4·8	34·4	30·2	6·5	9·2	2·0	77	45·0	27·3	48·7	0·060	0·1	8·0
7	30·188	34·7	25·7	9·0	31·7	− 9·6	29·2	24·1	7·6	11·5	1·0	73	50·5	17·5	48·4	0·000	2·6	8·0
8	30·131	45·0	26·0	19·0	36·9	− 4·1	36·1	34·7	2·2	7·4	0·0	92	45·1	17·8	48·2	0·236	0·0	8·0
9	30·193	39·8	32·3	7·5	36·8	− 3·8	36·3	35·5	1·3	1·7	0·0	95	41·0	23·5	48·0	0·004*	0·0	7·9
10	30·139	38·2	34·9	3·3	37·3	− 3·1	36·1	34·1	3·2	6·5	0·0	89	44·5	30·2	47·7	0·000	0·0	7·9
11	29·840	41·1	26·5	14·6	33·4	− 6·8	32·3	30·3	3·1	6·1	0·3	88	51·6	18·0	47·3	0·000	0·6	7·9
12	29·647	41·9	32·5	9·4	37·6	− 2·7	36·8	35·5	2·1	3·3	0·5	92	47·8	26·1	47·2	0·069	0·0	7·9
13	29·618	45·6	28·0	17·6	37·7	− 2·8	36·2	33·9	3·8	8·4	1·3	86	64·6	18·7	47·1	0·037	5·8	7·9
14	29·047	50·2	44·0	6·2	47·8	+ 7·1	46·5	45·0	2·8	4·8	2·6	90	51·8	40·6	47·0	0·747	0·0	7·9
15	29·439	47·5	36·0	11·5	41·8	+ 1·0	39·6	36·4	5·4	11·2	3·8	81	64·4	29·3	46·8	0·008	5·7	7·9
16	29·393	51·8	42·3	9·5	45·8	+ 5·1	43·6	40·8	5·0	12·1	2·6	83	66·6	34·7	46·8	0·032	1·8	7·9
17	29·585	55·2	42·6	12·6	49·2	+ 8·8	47·9	46·5	2·7	5·6	1·5	90	55·8	35·0	46·7	0·150	0·0	7·9
18	29·696	55·1	47·7	7·4	52·0	+12·0	50·6	49·1	2·9	5·2	1·6	90	55·0	44·6	46·9	0·113	0·0	7·8
19	30·175	47·7	40·3	7·4	45·0	+ 5·5	42·8	39·8	5·2	10·5	3·6	83	59·5	33·5	46·9	0·000	3·4	7·8
20	30·148	48·7	42·6	6·1	45·4	+ 6·4	43·2	40·3	5·1	9·5	3·4	83	65·1	35·6	47·1	0·000	1·7	7·8
21	30·071	48·6	37·9	10·7	44·9	+ 6·2	43·5	41·7	3·2	5·4	0·9	88	57·1	28·8	47·1	0·000	0·0	7·8
22	30·119	51·9	37·5	14·4	45·3	+ 6·9	43·9	42·1	3·2	5·4	0·5	89	68·4	28·3	47·1	0·055	2·0	7·8
23	30·459	42·9	31·1	11·8	38·2	− 0·0	37·3	35·9	2·3	4·7	0·3	91	43·7	24·0	47·0	0·000	0·0	7·8
24	30·434	43·3	30·8	12·5	37·3	− 0·9	36·4	34·9	2·4	5·4	0·0	91	45·3	23·5	47·0	0·004*	0·0	7·8
25	30·392	46·8	37·7	9·1	42·4	+ 4·0	40·8	38·6	3·8	5·5	0·4	86	47·3	29·5	46·9	0·005	0·4	7·8
26	30·384	44·8	42·0	2·8	43·4	+ 4·8	43·1	42·7	0·7	0·9	0·0	97	46·0	38·9	46·7	0·020	0·0	7·9
27	30·223	44·9	33·0	11·9	39·8	+ 1·0	38·6	36·9	2·9	5·6	0·4	89	66·1	28·5	46·6	0·000	3·4	7·9
28	29·991	42·9	31·0	11·9	34·3	− 4·6	33·7	32·7	1·6	3·3	0·0	94	47·2	27·5	46·3	0·019	0·0	7·9
29	29·832	52·7	42·9	9·8	49·2	+10·2	47·8	46·3	2·9	6·4	0·0	90	60·2	41·1	46·5	0·020	0·2	7·9
30	30·098	49·7	40·2	9·5	44·3	+ 5·4	42·2	39·4	4·9	8·8	2·5	83	63·9	30·0	46·3	0·000	5·6	7·9
31	30·106	48·4	40·6	7·8	45·0	+ 6·3	43·2	40·8	4·2	7·5	1·2	85	58·6	33·0	46·3	0·003*	0·1	7·9
Means	29·925	46·8	36·9	9·9	42·3	+ 2·4	40·5	38·0	4·2	7·6	1·6	85·2	55·2	30·2	47·4	Sum 1·785	1·3	7·9
Number of Column for Reference.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the astronomical day, 0^h–24^h Universal Time, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the day named, to dawn of the following day.

The mean reading of the Barometer (Column 1) and the mean temperatures of the Air and Evaporation (Columns 5 and 7) are deduced from the photographic records. The average temperature (Column 6) is deduced from the 65 years' observations, 1841–1905. The temperature of the Dew Point (Column 8) and the Degree of Humidity (Column 12) are deduced from the corresponding temperatures of the Air and Evaporation by means of Hygrometrical Tables, published by the Meteorological Office, Air Ministry. The mean difference between the Air and Dew Point Temperatures (Column 9) is the difference between the numbers in Columns 5 and 8, and the Greatest and Least Differences (Columns 10 and 11) are deduced from the 24 hourly photographic measures of the Dry-bulb and Wet-bulb Thermometers. The readings in Column 15 are taken daily at noon.

The values given in Columns 2, 3, 4, 13 and 14 are derived from eye-readings of self-registering thermometers.

The mean reading of the *Barometer* for the month was 29·925in., being 0·133in. higher than the average for the 65 years, 1841–1905.

*Rainfall (Column 16). The amounts entered on December 9 and 24 are derived from frost, and that on December 31 from dew.

TEMPERATURE OF THE AIR.

The highest in the month was 55°·2 on December 17; the lowest in the month was 25°·7 on December 7; and the range was 29°·5.
The mean of all the highest daily readings in the month was 46°·8, being 2°·6 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 36°·9, being 1°·9 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 9°·9, being 0°·7 greater than the average for the 65 years, 1841–1905.
The mean for the month was 42°·3, being 2°·4 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1936.	Record of the Night Sky. Polaris. Duration.	Polaris. Fraction of Total Exposure.	δ Ursæ Minoris. Duration.	δ Ursæ Minoris. Fraction of Total Exposure.	Wind as Deduced from Self-registering Anemometers. Osler's. General Direction. A.M.	General Direction. P.M.	Pressure on the Square Foot. Greatest.	Pressure on the Square Foot. Mean of 24 Hourly Measures.	Robinson's Horizontal Movement of the Air.	Clouds and Weather. 0h to 6h	6h to 12h	12h to 18h	18h to 24h
	hours.		hours.				lbs.	lbs.	miles.				
Dec. 1	5·1	0·37	3·8	0·27	WNW	WNW : W	5·3	0·78	442	b	b c m b c	c *Stcu*	c b
2	1·3	0·10	0·7	0·05	W : WSW	W : WNW	4·2	0·55	411	b c d r	r c m_o	c *Stcu* m_o	c
3	1·2	0·09	0·6	0·04	W	W : SW	4·5	0·37	376	c	c *Cist* bc m_o	c *Stcu* m_o	c
4	5·5	0·40	4·7	0·34	SW : W	WNW : SW	6·0	0·98	435	c	c b *Frcu* y	b y	b c
5	10·0	0·73	9·9	0·72	SSW : WSW	W : WSW	10·8	0·65	430	c	c d r_o c *Frcu*	c q p r h b	b
6	10·6	0·77	10·4	0·76	WSW : W	WNW : NW	8·3	1·07	484	b c rs b	c rs c r_o s_o	c b *Frcu*	b
7	6·5	0·47	1·5	0·11	NW : NNW	NNW : WSW	3·5	0·26	294	b c b x	b x m_o	b m	b x f
8	8·7	0·63	2·6	0·19	SW : SSW	SW : N	1·4	0·12	260	b x c s_o	c d m	rr m	b c m
9	0·0	0·00	0·0	0·00	Calm : N	Calm	0·1	0·01	153	b m x	b m FF	F f	o ff
10	4·8	0·35	4·0	0·29	Calm	NE : Calm	0·2	0·00	137	o f m	o c m m_o	c *Stcu* m_o	c s_o d_o
11	4·1	0·30	4·0	0·29	Calm : S	SSW : S	0·3	0·02	189	c b x	b x c *Acu* m	c *Cicu Ci* m b	b x c
12	3·4	0·24	2·9	0·21	Calm	Calm	0·5	0·02	146	c	c *Stcu* m	c f d_o r_o	r r_o f
13	..	..	..	..	NW : SSW	SSW	10·6	0·63	323	c b x	b m	b c r b	b c q
14	3·7	0·27	3·1	0·22	SSW	SSW	24·0	4·25	675	c q r	q r	q r	rr R h c
15	2·5	0·18	1·7	0·13	WSW	SW : SSW	6·5	0·34	369	c b x	b m_o	b m_o	b c d_o
16	8·8	0·63	6·3	0·45	SSW : SW	SW	15·0	1·53	503	c d_o r_o	c r_o b c	c b c p	b
17	0·0	0·00	0·0	0·00	SW : SSW	SSW	8·2	0·85	416	c	c *Nbst* r_o r	c *Nbst* r_o r d	rr d_o
18	3·4	0·24	3·1	0·22	SW : SSW	SW	10·5	1·65	479	d_o r_o	c *Nbst* d_o	c d_o r d_o	d_o c
19	13·3	0·95	10·0	0·71	WSW	SW : SSW	2·5	0·22	364	c b	b m	c *Acu*	bc
20	2·7	0·20	1·9	0·14	SSW	SSW	4·4	0·39	387	bc	bc *Frst*	c *Frst*	c
21	6·7	0·48	6·1	0·44	SSW	SSW : SW	2·5	0·08	266	c d_o	b c *Stcu*	c *Stcu* b	b c b
22	7·0	0·50	7·0	0·50	SSW : SW	SW : N : Calm	2·0	0·09	275	c w	c b c *Stcu*	c *Stcu*	c dd
23	9·5	0·68	2·5	0·18	WSW	Calm : SW	0·1	0·00	206	b x	b *Cicu* f	b *Cu* f	b f m x
24	8·9	0·63	7·6	0·54	SW : WSW	WSW	0·2	0·02	260	m f x	b c *St* f	c *Stcu* f m	c b m
25	0·0	0·00	0·0	0·00	WSW	Calm	0·3	0·02	203	b x	b c b *Acu* f	c f	c m d_o d_o
26	0·0	0·00	0·0	0·00	Calm	Calm	0·0	0·00	94	d_o d_o f	i d_o f	d_o f	o f o
27	5·2	0·37	3·6	0·26	Calm	E : ESE	0·3	0·01	187	o	c m b *Frcu* m_o	b c *Ci* m_o	c m_o x
28	0·0	0·00	0·0	0·00	Calm	Calm	0·0	0·00	153	o	o m	d_o d_o f	o
29	2·1	0·15	1·1	0·08	S : SW	SSW	1·2	0·14	328	d d_o	c *Stcu*	c *Stcu*	c r_o c
30	13·9	0·99	13·9	0·99	SSW : W	SW : SSW	1·7	0·09	306	c	c b m	b *Ci* m_o	b
31	0·2	0·01	0·2	0·01	SSW : SW	SW : SSW	4·6	0·36	385	b w	b c *Ast Frst*	c *Acu Frst*	c
Means	5·0	0·36	3·8	0·27	..	..	..	0·50	321				
Number of Column for Reference.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 40°·5, being 2°·0 higher than
The mean *Temperature of the Dew Point* for the month was 38°·0, being 1°·6 higher than
The mean *Degree of Humidity* for the month was 85·2, being 2·3 less than
The mean *Elastic Force of Vapour* for the month was 0·229in., being 0·013in. greater than
} the average for the 65 years, 1841–1905.

The mean amount of *Cloud* for the month (a clear sky being represented by 0 and an overcast sky by 10) was 6·9.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·167. The maximum daily amount of *Sunshine* was 5·8 hours on December 13.

The highest reading of the *Solar Radiation Thermometer* was 71°·2 on December 4; and the lowest reading of the *Terrestrial Radiation Thermometer* was 17°·5 on December 7.

The *Proportions of Wind* referred to the cardinal points were N. 6, E. 2, S. 35, W. 37, calm or nearly calm conditions, 20, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 24·0 lbs. on the square foot on December 14. The mean daily *Horizontal Movement of the Air* for the month was 321 miles; the greatest daily value was 675 miles on December 14, and the least daily value was 94 miles on December 26.

Rain (0·005in. or over) fell on 16 days in the month, amounting to 1·785in., as measured by gauge No. 6 partly sunk below the ground; being 0·042in. less than the average fall for the 65 years, 1841–1905.

HIGHEST and LOWEST READINGS of the BAROMETER, reduced to 32° FAHRENHEIT, as extracted from the PHOTOGRAPHIC RECORDS.

MAXIMA.		MINIMA.		MAXIMA.		MINIMA.		MAXIMA.		MINIMA.	
U.T., 1936.	Reading.	U.T., 1936.	Reading.	U.T., 1936.	Reading.	U.T., 1936.	Reading.	U.T., 1936.	Reading.	U.T., 1936.	Reading.
January.		**January.**		**May.**		**May.**		**September.**		**September.**	
d. h. m.	in.	d. h. m.	in.	d. h. m.	in.	d. h. m.	in.	d. h. m.	in.	d. h. m.	in.
		2. 7. 35	28·952	1. 23. 0	30·198	6. 4. 0	29·532			4. 12. 50	29·404
4. 21. 0	29·861	6. 7. 0	29·048	14. 10. 0	29·975	16. 17. 0	29·601	4. 21. 45	29·485	5. 10. 0	29·362
7. 0. 40	29·201	7. 13. 0	29·040	18. 23. 0	29·970	20. 5. 15	29·850	6. 12. 30	29·640	7. 5. 50	29·001
8. 10. 30	29·391	8. 18. 5	29·294	20. 21. 50	29·929	23. 2. 20	29·568	10. 22. 20	29·893	12. 16. 30	29·791
9. 8. 10	29·437	9. 18. 45	29·101	26. 10. 10	29·977	27. 16. 40	29·892	16. 8. 20	30·140	18. 5. 0	29·954
14. 22. 10	30·161	17. 6. 0	29·119	28. 9. 55	29·996	30. 14. 20	29·414	19. 21. 15	30·077	21. 3. 30	29·833
17. 21. 10	29·360	18. 6. 40	29·188	31. 21. 30	29·811			22. 9. 10	30·246	25. 5. 0	29·628
18. 23. 0	29·293	20. 4. 50	28·751					26. 11. 20	29·938	27. 13. 55	29·558
23. 16. 45	29·642	26. 1. 50	29·078								
26. 22. 50	29·342	27. 13. 30	29·199					**October.**		**October.**	
27. 23. 0	29·307	29. 9. 30	28·834								
30. 11. 20	29·391	31. 14. 10	29·052					2. 22. 10	30·163	5. 4. 20	29·818
31. 21. 55	29·249			**June.**		**June.**		7. 9. 15	30·068	9. 16. 15	29·936
								11. 22. 25	30·154	14. 16. 35	29·709
						3. 15. 40	29·554	16. 19. 40	30·032	17. 23. 25	29·657
February.		**February.**		5. 22. 45	29·858	7. 5. 35	29·733	18. 20. 25	29·969	19. 13. 45	29·536
				8. 23. 20	30·000	12. 13. 0	29·755	22. 9. 15	30·096	25. 7. 10	29·362
		2. 1. 40	28·847	14. 8. 20	29·891	15. 3. 20	29·683	26. 2. 0	29·616	26. 15. 40	29·259
7. 10. 50	30·365	9. 21. 0	29·675	18. 9. 35	30·059	20. 17. 0	29·623	27. 10. 40	29·628	27. 18. 30	29·511
10. 19. 55	29·898	11. 15. 0	29·667	23. 23. 0	30·006			29. 7. 45	30·194	31. 9. 45	29·799
12. 23. 35	30·008	18. 14. 20	28·915								
20. 18. 40	29·680	23. 3. 40	29·091					**November.**		**November.**	
25. 23. 55	29·972	29. 15. 0	28·946								
								1. 9. 5	30·111	2. 5. 40	29·812
								2. 18. 25	29·910	7. 22. 15	28·714
				July.		**July.**		8. 18. 50	29·080	9. 2. 10	28·908
March.		**March.**						11. 3. 0	29·577	12. 5. 35	28·875
						2. 4. 20	29·459	14. 1. 0	29·972	14. 13. 25	29·863
4. 10. 50	29·782	6. 5. 0	29·641	5. 22. 20	29·862	7. 18. 20	29·545	15. 7. 45	30·096	17. 20. 5	29·553
6. 23. 20	29·725	8. 0. 15	29·625	8. 14. 30	29·685	10. 16. 0	29·556	20. 22. 0	30·398	24. 5. 5	29·866
8. 22. 0	29·725	9. 16. 15	29·583	12. 8. 0	29·716	13. 3. 50	29·457	25. 9. 0	30·009	26. 14. 45	29·857
16. 9. 20	30·099	23. 12. 25	29·188	14. 7. 55	29·689	15. 8. 10	29·046	28. 23. 5	30·166	30. 16. 20	29·701
24. 10. 20	29·605	26. 6. 0	29·370	16. 21. 10	29·815	18. 22. 35	29·421				
28. 20. 30	29·707	29. 15. 45	29·502	22. 11. 50	29·745	23. 17. 50	29·442	**December.**		**December.**	
30. 23. 20	29·718			27. 8. 20	29·843	28. 17. 30	29·692				
				30. 9. 0	30·095			1. 10. 45	29·908	2. 12. 50	29·539
								3. 10. 0	29·747	4. 5. 20	29·603
April.		**April.**						4. 19. 25	29·945	5. 12. 15	29·528
								5. 19. 45	29·624	6. 6. 30	29·518
		2. 1. 25	29·485					7. 21. 40	30·301	8. 15. 40	30·026
3. 0. 10	29·967	4. 5. 0	29·752					9. 22. 15	30·274	12. 17. 30	29·599
6. 0. 45	30·126	7. 4. 55	29·772	**August.**		**August.**		13. 8. 30	29·726	14. 16. 10	28·940
9. 23. 0	30·036	15. 17. 20	29·305					15. 17. 30	29·596	16. 8. 50	29·224
18. 11. 10	29·823	20. 14. 40	29·453			2. 16. 20	29·442	17. 3. 10	29·719	17. 14. 20	29·472
21. 0. 0	29·617	21. 22. 10	29·124	5. 21. 10	29·989	6. 18. 0	29·788	19. 18. 15	30·301	21. 5. 50	30·050
23. 9. 10	29·882	24. 3. 25	29·641	7. 21. 15	30·117	12. 16. 0	29·717	23. 21. 0	30·530	25. 4. 55	30·353
25. 9. 0	29·946	26. 2. 0	29·809	18. 9. 25	29·941	19. 21. 25	29·712	25. 23. 15	30·448	29. 5. 20	29·755
28. 6. 35	30·179	28. 18. 15	30·092	26. 8. 40	30·237			30. 20. 50	30·193		

The readings in the above table are accurate, but the times are occasionally liable to uncertainty, as the barometer will sometimes remain at its extreme reading without sensible change for a considerable interval of time. In such cases the time given is the middle of the stationary period.
The time is Universal Time.
The height of the barometer cistern above mean sea level is 152 feet; no correction has been applied to the readings to reduce to sea level.

HIGHEST and LOWEST READINGS of the BAROMETER in each MONTH for the YEAR 1936.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Highest	30·161	30·365	30·099	30·179	30·198	30·059	30·095	30·237	30·246	30·194	30·398	30·530
Lowest.....	28·751	28·847	29·188	29·124	29·414	29·554	29·046	29·442	29·001	29·259	28·714	28·940
Range	1·410	1·518	0·911	1·055	0·784	0·505	1·049	0·795	1·245	0·935	1·684	1·590

The highest reading in the year was 30·530in. on Dec. 23. The lowest reading in the year was 28·714in. on Nov. 7. The range of reading in the year was 1·816in.

MONTHLY RESULTS OF METEOROLOGICAL ELEMENTS for the YEAR 1936.

MONTH, 1936.	Mean Reading of the Barometer.	TEMPERATURE OF THE AIR								Mean Temperature of Evaporation.	Mean Temperature of the Dew Point.	Mean Degree of Humidity. (Saturation = 100.)
		Highest.	Lowest.	Range in the Month.	Mean of all the Highest.	Mean of all the Lowest.	Mean of the Daily Ranges.	Monthly Mean.	Excess of Mean above the Average of 65 years.			
	in.	°	°	°	°	°	°	°	°	°	°	
January	29·366	56·1	24·8	31·3	45·1	36·1	9·0	40·9	+2·3	39·4	37·1	87
February	29·546	54·3	19·4	34·9	42·7	31·7	11·0	37·2	−2·3	35·5	32·3	83
March	29·662	65·3	28·0	37·3	53·3	38·7	14·6	45·3	+3·4	42·7	39·3	80
April	29·776	63·1	28·3	34·8	52·4	37·4	14·9	44·3	−3·0	40·8	35·7	72
May	29·822	79·6	33·7	45·9	64·5	45·2	19·3	53·9	+0·8	49·6	45·0	73
June	29·818	87·8	41·4	46·4	71·4	52·7	18·7	60·7	+1·3	56·3	52·6	75
July	29·663	77·8	46·6	31·2	70·6	53·9	16·7	60·8	−1·9	57·1	54·1	79
August	29·930	84·6	46·0	38·6	73·2	53·7	19·5	62·4	+0·8	58·1	54·6	76
September	29·838	80·2	41·9	38·3	67·3	52·6	14·7	58·8	+1·5	56·0	53·6	83
October.....	29·917	67·2	30·3	36·9	56·8	42·0	14·7	49·6	−0·4	46·4	42·6	77
November.....	29·723	56·1	31·9	24·2	48·6	38·7	9·9	44·0	+0·5	42·3	40·1	86
December.....	29·925	55·2	25·7	29·5	46·8	36·9	9·9	42·3	+2·4	40·5	38·0	85
		Highest	Lowest	Annual Range								
Means	29·749	87·8	19·4	68·4	57·7	43·3	14·4	50·0	+0·4	47·1	43·8	79·7

MONTH, 1936.	Mean Elastic Force of Vapour.	Mean Temperature of the Earth 4 feet below the surface of the soil.	Mean Amount of Cloud (0-10).	RAIN.		WIND.										
				Number of Rainy Days (0.005 in. or over).	Amount collected in Gauge No. 6, whose receiving Surface is 5 inches above the Ground.	From Osler's Anemometer. Number of Hours of Prevalence of each Wind referred to different Points of Azimuth.								Number of Calm or nearly Calm Hours.	Mean Daily Pressure on the Square Foot.	From Robinson's-Anemometer. Mean Daily Horizontal Movement of the Air.
						N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
	in.	°			in.	h	h	h	h	h	h	h	h	h	lbs.	miles.
January	0·221	44·1	7·7	23	3·553	17	27	30	48	135	243	101	13	130	0·38	293
February	0·183	42·0	6·3	14	1·472	39	36	146	93	65	89	40	52	136	0·24	260
March	0·241	43·0	8·1	12	0·797	23	57	104	66	129	124	45	29	167	0·11	239
April	0·209	45·6	7·7	14	1·698	159	202	39	9	26	93	49	64	79	0·24	291
May	0·300	50·1	6·8	7	0·408	158	195	154	23	21	41	20	34	98	0·20	266
June	0·399	54·6	7·3	16	3·378	64	30	65	23	64	151	96	37	190	0·11	232
July	0·421	58·8	8·4	22	2·925	25	5	6	14	61	367	150	29	87	0·28	290
August	0·429	59·4	6·3	9	0·561	75	36	57	15	22	195	111	56	177	0·12	237
September	0·414	59·5	7·6	17	3·156	94	70	50	45	47	113	95	39	167	0·25	252
October	0·274	55·1	6·8	14	1·788	82	95	32	20	12	183	151	76	93	0·46	..
November.....	0·248	50·8	7·9	19	3·021	66	77	18	5	56	205	87	22	184	0·38	289
December.....	0·229	47·4	6·9	16	1·785	18	4	8	6	118	283	111	47	149	0·50	321
Sums	..	..	..	183	24·542	820	834	709	367	756	2087	1056	498	1657	..	..
Means	0·297	50·9	7·3	..	..	..	..	..	..	..	..	..	..	..	0·27	270

The greatest recorded pressure of the wind on the square foot in the year was 24·0 lbs. on December 14.

The greatest recorded daily horizontal movement of the air in the year was 675 miles on December 14.

The least recorded daily horizontal movement of the air in the year was 94 miles on December 26.

MONTHLY MEAN READING OF THE BAROMETER AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

1936.

Hour. Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	in.	in.	in.	in	in.	in.	in.	in.	in.	in.	in.	in.	in.
0h	29·381	29·564	29·660	29·775	29·837	29·834	29·668	29·930	29·848	29·924	29·728	29·925	29·756
1	29·375	29·561	29·659	29·770	29·835	29·829	29·665	29·927	29·844	29·925	29·723	29·919	29·753
2	29·370	29·557	29·655	29·765	29·828	29·825	29·659	29·925	29·837	29·920	29·723	29·919	29·749
3	29·369	29·549	29·650	29·762	29·826	29·818	29·656	29·925	29·830	29·915	29·723	29·917	29·745
4	29·365	29·542	29·646	29·762	29·822	29·816	29·655	29·924	29·823	29·912	29·720	29·914	29·742
5	29·357	29·538	29·647	29·765	29·824	29·818	29·655	29·927	29·818	29·911	29·720	29·910	29·741
6	29·354	29·538	29·651	29·773	29·827	29·820	29·657	29·933	29·823	29·912	29·723	29·911	29·743
7	29·355	29·539	29·655	29·781	29·834	29·824	29·660	29·940	29·829	29·920	29·729	29·914	29·748
8	29·363	29·546	29·662	29·785	29·838	29·827	29·663	29·943	29·835	29·926	29·736	29·920	29·754
9	29·368	29·550	29·667	29·790	29·837	29·825	29·665	29·945	29·841	29·931	29·740	29·929	29·757
10	29·373	29·552	29·668	29·791	29·834	29·826	29·666	29·943	29·841	29·930	29·742	29·935	29·758
11	29·374	29·553	29·668	29·786	29·829	29·823	29·667	29·938	29·841	29·925	29·740	29·935	29·757
12	29·366	29·548	29·666	29·783	29·824	29·819	29·665	29·934	29·838	29·916	29·731	29·924	29·751
13	29·357	29·541	29·659	29·777	29·816	29·813	29·662	29·929	29·835	29·910	29·723	29·918	29·745
14	29·351	29·533	29·652	29·770	29·810	29·808	29·662	29·924	29·831	29·903	29·715	29·914	29·739
15	29·355	29·530	29·650	29·766	29·803	29·802	29·660	29·919	29·828	29·898	29·712	29·918	29·737
16	29·358	29·531	29·650	29·762	29·797	29·798	29·660	29·915	29·828	29·897	29·713	29·922	29·736
17	29·362	29·535	29·654	29·761	29·798	29·798	29·658	29·912	29·830	29·902	29·716	29·927	29·738
18	29·365	29·542	29·662	29·766	29·801	29·800	29·658	29·912	29·837	29·911	29·717	29·930	29·742
19	29·368	29·547	29·672	29·774	29·807	29·807	29·662	29·919	29·845	29·917	29·716	29·935	29·747
20	29·371	29·548	29·678	29·783	29·820	29·816	29·667	29·929	29·854	29·923	29·715	29·938	29·754
21	29·375	29·548	29·682	29·787	29·828	29·825	29·674	29·936	29·857	29·925	29·717	29·937	29·758
22	29·379	29·549	29·683	29·789	29·829	29·825	29·677	29·940	29·858	29·924	29·718	29·939	29·759
23	29·383	29·552	29·684	29·791	29·829	29·827	29·675	29·942	29·856	29·924	29·718	29·938	29·760
24	29·384	29·554	29·684	29·790	29·825	29·825	29·672	29·940	29·851	29·924	29·720	29·931	29·758
Means 0h.–23h.	29·366	29·546	29·662	29·776	29·822	29·818	29·663	29·930	29·838	29·917	29·723	29·925	29·749
Means 1h.–24h.	29·366	29·545	29·663	29·776	29·822	29·817	29·663	29·930	29·838	29·917	29·723	29·925	29·749
No. of Days Employed	31	29	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN TEMPERATURE OF THE AIR AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

1936.

Hour. Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	39·6	35·8	42·2	41·2	48·7	55·4	57·0	57·4	55·8	47·6	43·0	41·6	47·1
1	39·4	35·4	41·7	40·5	48·0	54·9	56·6	56·5	55·2	47·0	42·5	41·3	46·6
2	39·4	35·1	41·1	40·1	47·5	54·6	55·9	55·9	54·9	46·1	42·3	40·9	46·2
3	39·5	35·0	41·0	39·6	46·9	53·9	55·2	55·5	54·6	45·5	41·8	40·7	45·8
4	39·6	34·6	40·6	39·3	46·5	53·3	54·9	55·2	54·4	45·0	41·6	40·3	45·4
5	39·7	34·8	40·8	39·2	46·7	53·7	55·2	55·2	54·3	44·9	41·6	40·3	45·5
6	39·8	34·8	40·8	39·8	48·1	55·5	56·6	56·0	54·7	45·2	41·8	40·4	46·1
7	39·9	34·9	41·6	41·5	49·9	57·8	58·7	57·8	55·6	45·8	42·0	40·4	47·2
8	40·1	35·4	43·4	43·5	52·6	60·0	60·9	60·2	57·1	47·5	42·7	40·6	48·7
9	40·5	36·6	45·7	45·6	55·2	62·2	62·2	63·0	59·2	49·5	43·7	41·3	50·4
10	41·2	37·9	47·5	46·7	57·0	63·6	63·8	65·5	61·0	51·5	44·7	42·3	51·9
11	42·3	39·3	48·7	47·8	58·6	65·3	65·1	67·5	62·3	53·1	45·7	43·5	53·3
12	43·0	40·5	49·8	48·5	60·3	66·9	66·0	68·6	63·4	54·5	46·4	44·5	54·4
13	43·4	41·2	50·9	49·2	61·8	67·6	66·9	69·9	64·0	54·9	46·8	45·1	55·1
14	43·5	41·5	51·5	49·7	61·8	67·6	66·1	70·4	64·6	55·1	47·0	45·1	55·3
15	43·1	41·3	51·2	49·4	62·1	67·6	66·4	70·8	64·3	54·5	46·5	44·7	55·2
16	42·4	40·3	50·3	48·9	61·1	67·5	65·2	70·4	63·9	53·6	45·9	44·1	54·5
17	41·8	39·3	49·0	48·1	60·2	66·7	64·1	68·9	62·5	52·4	45·3	43·5	53·5
18	41·2	38·2	47·3	47·0	58·1	65·4	63·6	67·1	61·1	51·4	45·1	43·1	52·4
19	41·0	37·4	45·9	45·3	55·8	63·1	62·4	64·6	59·5	50·5	44·7	42·7	51·1
20	40·7	36·8	44·9	44·2	53·5	60·7	60·7	62·4	58·4	49·7	44·4	42·5	49·9
21	40·2	36·1	44·1	43·4	51·8	58·8	59·2	60·9	57·4	49·0	44·2	42·2	48·9
22	40·0	35·7	43·7	42·7	50·6	57·6	58·4	59·9	56·7	48·5	43·9	42·1	48·3
23	39·8	35·6	43·2	41·8	49·6	56·6	57·6	58·7	56·1	47·9	43·6	41·8	47·7
24	39·6	35·3	42·8	41·0	48·7	55·9	57·0	57·5	55·4	47·3	43·0	41·6	47·1
Means 0h–23h.	40·9	37·2	45·3	44·3	53·9	60·7	60·8	62·4	58·8	49·6	44·0	42·3	50·0
Means 1h–24h.	40·9	37·2	45·3	44·3	53·9	60·7	60·8	62·4	58·8	49·6	44·0	42·3	50·0
No. of Days Employed	31	29	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN TEMPERATURE OF EVAPORATION AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

1936.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	38·5	34·4	40·7	39·3	46·7	53·5	55·2	55·7	54·3	45·2	41·6	39·9	45·4
1	38·3	34·1	40·3	38·9	46·1	53·2	55·0	55·2	54·0	44·7	41·1	39·7	45·1
2	38·2	33·8	39·9	38·4	45·6	52·8	54·5	54·7	53·7	44·0	41·0	39·5	44·7
3	38·2	33·7	39·6	38·0	45·3	52·4	54·2	54·3	53·5	43·7	40·5	39·4	44·4
4	38·2	33·4	39·2	37·8	44·9	52·1	53·8	54·0	53·4	43·2	40·4	38·9	44·1
5	38·3	33·7	39·5	37·8	45·2	52·4	53·9	54·0	53·3	43·1	40·5	38·9	44·2
6	38·5	33·8	39·6	38·3	46·2	53·6	54·7	54·6	53·6	43·5	40·7	39·1	44·7
7	38·6	34·0	40·4	39·5	47·5	54·7	56·0	55·9	54·4	43·8	40·9	39·2	45·4
8	38·8	34·5	41·9	40·8	49·1	56·1	57·3	57·5	55·3	45·3	41·4	39·4	46·5
9	39·2	35·5	43·4	42·0	50·6	57·4	57·8	58·9	56·5	46·7	42·3	40·0	47·5
10	39·9	36·3	44·4	42·3	51·6	57·9	58·7	59·9	57·2	48·0	42·9	40·7	48·3
11	40·6	37·3	45·1	42·8	52·6	58·9	59·2	60·9	57·9	48·5	43·7	41·5	49·1
12	40·9	38·0	45·6	43·2	53·4	59·4	59·5	61·2	58·5	49·1	44·1	42·2	49·6
13	41·1	38·2	46·1	43·3	54·2	59·7	60·1	61·5	58·7	49·3	44·3	42·5	49·9
14	41·2	38·3	46·4	43·7	54·2	59·7	60·0	61·7	59·1	49·4	44·4	42·4	50·0
15	40·9	38·0	46·4	43·4	54·3	59·8	60·1	61·8	58·9	49·2	44·1	42·2	49·9
16	40·4	37·2	45·9	43·2	53·8	59·7	59·6	61·6	58·6	48·8	43·6	41·8	49·5
17	39·9	36·6	45·1	42·6	53·2	59·3	59·2	61·0	58·0	48·3	43·2	41·5	49·0
18	39·7	36·1	44·0	42·1	52·1	58·8	58·9	60·3	57·2	47·9	43·1	41·3	48·5
19	39·5	35·6	43·1	41·2	50·9	57·7	58·1	59·2	56·6	47·4	42·9	40·9	47·8
20	39·3	35·1	42·6	40·8	49·6	56·7	57·2	58·4	55·9	46·9	42·7	40·9	47·2
21	38·9	34·7	42·2	40·5	48·6	55·7	56·6	57·9	55·4	46·4	42·5	40·6	46·7
22	38·7	34·4	41·9	40·2	47·9	55·2	56·2	57·3	54·8	45·8	42·4	40·5	46·3
23	38·6	34·2	41·6	39·6	47·3	54·6	55·7	56·6	54·4	45·4	42·1	40·2	45·9
24	38·5	34·0	41·1	39·1	46·7	54·1	55·2	55·7	54·0	44·9	41·6	40·0	45·4
Means 0h.–23h.	39·4	35·5	42·7	40·8	49·6	56·3	57·1	58·1	56·0	46·4	42·3	40·5	47·1
Means 1h.–24h.	39·4	35·4	42·8	40·8	49·6	56·3	57·1	58·1	56·0	46·4	42·3	40·5	47·1
No. of Days Employed	31	29	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 FROM THE CORRESPONDING AIR AND EVAPORATION TEMPERATURES.

1936.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	36·9	32·0	38·6	36·6	44·5	51·8	53·7	54·3	53·0	42·4	39·7	37·5	43·4
1	36·7	31·8	38·4	36·7	43·9	51·6	53·7	54·1	53·0	42·0	39·2	37·5	43·2
2	36·4	31·5	38·4	36·0	43·4	51·1	53·3	53·6	52·7	41·4	39·3	37·6	42·9
3	36·3	31·4	37·7	35·7	43·4	51·0	53·1	53·3	52·6	41·4	38·8	37·7	42·7
4	36·2	31·3	37·3	35·7	43·0	51·0	52·9	53·0	52·6	40·8	38·8	37·0	42·5
5	36·3	31·8	37·7	35·8	43·4	51·2	52·8	53·0	52·5	40·7	39·1	37·0	42·6
6	36·7	32·1	38·0	36·2	44·1	51·9	53·1	53·4	52·7	41·3	39·3	37·3	43·0
7	36·8	32·5	38·8	36·6	44·9	52·0	53·8	54·3	53·4	41·3	39·5	37·5	43·5
8	37·0	32·9	39·9	37·0	45·4	52·8	54·4	55·3	53·8	42·7	39·6	37·8	44·1
9	37·4	33·6	40·5	37·0	45·9	53·5	54·3	55·8	54·3	43·5	40·5	38·3	44·5
10	38·2	33·9	40·5	36·3	46·1	53·3	54·7	55·6	54·1	44·1	40·5	38·5	44·7
11	38·2	34·2	40·6	35·8	46·8	53·9	54·6	56·1	54·5	43·4	41·2	38·8	44·8
12	37·9	34·1	40·5	36·0	46·7	53·5	54·5	55·7	54·6	43·3	41·3	39·1	44·8
13	37·9	33·4	40·2	35·1	47·0	53·5	54·9	55·3	54·5	43·1	41·3	39·0	44·6
14	38·0	33·3	40·2	35·4	47·0	53·5	55·3	55·3	54·8	43·2	41·3	38·7	44·7
15	37·7	32·8	40·6	35·1	46·9	53·7	55·3	55·2	54·6	43·4	41·2	38·8	44·6
16	37·1	32·1	40·6	35·4	46·7	53·6	55·3	55·1	54·4	43·5	40·7	38·7	44·4
17	37·2	32·1	40·3	34·8	46·3	53·4	55·4	55·1	54·5	43·7	40·5	38·8	44·3
18	37·7	32·7	39·9	35·0	46·2	53·6	55·3	55·2	54·1	44·0	40·5	38·8	44·4
19	37·5	32·7	39·5	35·2	45·8	53·3	54·8	55·0	54·2	43·9	40·5	38·4	44·2
20	37·4	32·3	39·5	35·9	45·5	53·4	54·3	55·3	53·8	43·7	40·5	38·7	44·2
21	37·1	32·3	39·7	36·4	45·2	53·1	54·5	55·5	53·7	43·5	40·3	38·4	44·1
22	36·9	32·1	39·5	36·5	45·0	53·2	54·4	55·1	53·3	42·6	40·5	38·3	43·9
23	36·9	31·7	39·4	36·4	44·8	53·0	54·1	54·9	53·0	42·5	40·1	38·0	43·7
24	36·9	31·7	38·7	36·4	44·5	52·6	53·7	54·2	52·8	42·1	39·7	37·8	43·4
Means 0h.–23h.	37·2	32·5	39·4	35·9	45·3	52·7	54·3	54·8	53·7	42·7	40·2	38·2	43·9
Means 1h.–24h.	37·2	32·5	39·4	35·9	45·3	52·8	54·3	54·8	53·7	42·7	40·2	38·2	43·9

MONTHLY MEAN DEGREE OF HUMIDITY (Saturation=100) AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE CORRESPONDING AIR AND EVAPORATION TEMPERATURES.

1936.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
0h	90	86	87	83	85	87	89	89	90	82	88	85	87
1	90	87	88	86	85	89	90	91	92	82	88	86	88
2	89	87	90	85	85	88	91	92	92	84	89	87	88
3	88	87	87	86	87	90	91	92	93	86	89	88	89
4	87	87	87	86	87	92	93	92	93	85	90	87	89
5	87	89	88	87	88	91	91	92	93	85	90	87	89
6	88	90	89	86	86	87	88	91	93	86	90	88	89
7	88	91	90	83	83	81	84	88	92	84	90	89	87
8	88	91	87	78	76	77	79	84	89	83	89	89	84
9	88	89	82	72	71	73	75	77	84	80	88	89	81
10	89	85	76	67	67	69	72	71	78	76	85	86	77
11	85	82	73	63	64	67	69	67	75	70	84	84	74
12	83	78	70	62	61	62	67	63	73	65	82	81	71
13	81	74	67	59	58	60	65	60	71	64	81	80	68
14	81	73	65	59	58	60	69	59	71	64	80	79	68
15	82	71	67	58	57	61	68	57	71	66	81	80	68
16	83	72	69	59	59	61	71	58	71	69	82	81	70
17	83	75	72	60	60	62	74	61	75	72	83	84	72
18	87	80	75	63	64	66	74	66	77	76	84	84	75
19	87	83	78	68	69	71	76	71	83	78	85	84	78
20	87	83	81	72	74	77	80	77	85	80	86	86	81
21	88	86	85	76	78	81	85	82	88	81	86	86	83
22	88	87	85	79	81	85	86	85	88	80	87	86	85
23	89	86	87	81	83	87	88	87	89	81	87	86	86
24	90	86	85	83	85	88	89	89	91	82	88	86	87
Means 0h.–23h.	87	83	80	73	74	76	80	77	84	77	86	85	80
Means 1h.–24h.	87	83	80	73	74	76	80	77	84	77	86	85	80

TOTAL AMOUNT OF SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN EACH MONTH, AS DERIVED FROM THE RECORDS OF THE CAMPBELL-STOKES SELF-REGISTERING INSTRUMENT FOR THE YEAR 1936.

Month, 1936.	Registered duration of Sunshine in the Hour ending :—																Total Registered Duration of Sunshine in each Month.	Corresponding aggregate Period during which the Sun was above the Horizon.	Proportion of Sunshine	Mean Altitude of the Sun at Noon.
	5h	6h	7h	8h	9h	10h	11h	Noon.	13h	14h	15h	16h	17h	18h	19h	20h				
	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h		°
January	—	—	—	—	1·6	3·9	3·4	3·6	4·4	3·9	1·8	0·2	—	—	—	—	22·8	260·1	0·088	18
February....	—	—	—	0·7	4·8	8·9	8·5	9·4	9·4	9·9	8·7	4·6	0·3	—	—	—	65·2	288·5	0·226	26
March	—	—	1·3	4·8	6·5	7·1	7·7	11·1	10·4	10·6	8·4	7·0	2·6	0·5	—	—	78·0	368·5	0·212	37
April	—	0·7	5·7	10·1	9·9	9·4	9·4	9·0	8·2	9·7	8·9	9·9	8·2	6·0	1·3	—	106·4	416·1	0·256	48
May	0·5	5·0	7·7	9·6	11·1	12·6	14·0	15·4	15·1	12·7	14·5	14·2	15·1	15·0	8·2	1·2	171·9	484·2	0·355	57
June	1·3	7·7	12·5	15·6	14·8	13·1	12·9	13·9	12·6	12·8	12·1	12·6	14·3	12·0	9·4	3·5	181·1	496·5	0·365	62
July.....	1·0	8·1	12·7	12·8	11·5	10·9	9·9	10·8	8·1	8·7	9·4	9·5	6·8	8·8	6·5	2·2	137·7	499·4	0·276	60
August	—	3·1	9·5	9·9	10·8	13·5	13·9	14·0	15·0	14·6	16·9	15·7	14·4	14·9	5·8	0·2	172·2	451·7	0·381	52
September ..	—	—	1·1	3·9	6·3	9·9	10·2	8·1	9·1	8·3	9·7	8·1	7·0	2·9	0·1	—	84·7	379·6	0·223	41
October	—	—	0·3	3·6	10·1	11·2	11·2	10·8	10·3	11·1	9·0	7·0	2·5	—	—	—	87·1	331·1	0·263	30
November ..	—	—	—	—	2·0	2·0	3·0	4·4	3·5	4·3	3·7	0·7	—	—	—	—	23·6	266·9	0·089	20
December ..	—	—	—	—	—	5·4	8·0	9·8	7·0	7·6	3·2	—	—	—	—	—	41·0	245·6	0·167	16
For the Year	2·8	24·6	50·8	71·0	89·4	107·9	112·1	120·3	113·1	114·2	106·3	89·5	71·2	60·1	31·3	7·1	1171·7	4488·2	0·261	..

The hours are reckoned from " Apparent " midnight.

READINGS OF THERMOMETERS ON THE ORDINARY STAND IN THE CHRISTIE ENCLOSURE IN THE YEAR 1936.

(The readings of the maximum and minimum thermometers apply to the twenty-four hours ending 21h.)

JANUARY.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	48·7	44·4	46·1	47·4	46·8	45·8	44·6	46·3	46·0	45·6
2	46·8	41·6	44·6	45·3	46·1	45·6	44·1	44·6	44·9	44·5
3	46·1	35·2	35·6	36·3	36·8	39·4	35·5	35·8	36·4	38·5
4	45·5	38·9	40·7	43·6	45·3	39·9	39·3	41·3	42·9	39·1
5	44·9	34·1	42·8	44·7	42·8	41·6	41·6	42·9	40·8	40·6
6	46·8	41·3	45·4	45·3	46·2	44·0	43·6	43·5	43·8	41·5
7	44·7	40·6	43·3	43·5	44·1	44·5	42·6	43·1	42·9	43·0
8	48·2	41·0	43·6	47·5	47·4	47·9	42·6	45·8	46·5	46·8
9	56·1	44·7	49·8	51·8	53·8	53·4	48·5	50·5	51·8	49·0
10	55·0	49·2	51·7	54·5	52·9	49·8	49·5	50·8	49·3	47·0
11	49·8	39·6	43·2	42·7	42·5	40·0	39·5	37·9	37·0	37·0
12	41·0	31·0	36·7	39·6	38·0	31·6	35·8	36·8	35·9	31·5
13	40·1	29·7	36·6	39·7	39·6	30·7	35·2	37·1	36·9	30·6
14	37·3	26·8	28·8	35·4	36·0	29·6	28·6	32·0	32·9	28·7
15	35·4	24·8	27·6	34·3	34·7	34·4	26·5	32·1	33·6	32·0
16	36·9	31·7	34·4	36·3	34·4	33·5	32·6	35·0	33·7	33·0
17	35·3	27·9	33·8	34·6	34·4	28·2	32·8	33·4	31·7	27·2
18	37·3	27·8	33·4	34·7	35·8	30·4	32·8	33·9	33·8	29·9
19	37·3	25·1	29·6	33·8	36·9	36·6	29·3	32·6	36·5	36·2
20	48·4	36·4	46·4	45·6	44·6	40·4	44·3	42·3	42·6	38·5
21	43·0	36·1	36·6	40·7	42·0	36·7	34·0	36·8	36·7	34·5
22	40·7	29·6	31·6	38·7	39·5	33·9	30·8	35·8	37·2	33·2
23	41·6	31·6	33·9	38·9	40·6	38·5	32·1	36·5	38·1	36·8
24	44·0	33·5	36·6	43·5	42·4	38·3	35·9	40·5	38·7	37·8
25	49·0	38·0	44·6	46·6	47·8	48·0	44·5	46·2	46·9	47·5
26	48·7	39·0	42·7	44·9	46·5	39·2	42·0	42·6	43·5	38·6
27	46·3	36·9	44·5	44·6	46·0	45·9	42·5	43·6	44·0	44·7
28	51·6	42·5	45·8	50·7	49·9	46·1	44·9	47·5	44·3	45·8
29	50·7	39·6	49·6	48·4	44·8	39·6	48·5	46·1	43·8	37·8
30	49·9	37·6	43·6	47·5	48·1	45·6	42·1	45·4	45·5	44·9
31	52·1	45·5	50·8	51·1	50·9	47·0	49·8	49·0	49·2	44·8
Means	45·1	36·2	40·5	43·0	43·1	40·2	39·2	40·9	40·9	38·9

FEBRUARY.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	51·4	43·3	47·6	49·6	49·6	44·6	46·9	46·8	45·8	43·2
2	45·5	36·0	42·7	44·6	43·7	36·6	41·4	41·9	41·7	34·8
3	38·2	33·6	34·6	37·7	37·5	34·6	32·4	34·6	33·5	31·7
4	35·6	26·5	29·1	33·3	35·2	26·8	27·9	30·5	31·9	25·9
5	40·2	24·6	33·4	37·5	39·4	38·5	31·6	34·6	35·5	36·5
6	44·0	31·3	36·2	42·6	42·7	31·5	34·7	37·9	36·7	29·5
7	38·0	27·0	30·2	36·0	36·3	31·2	28·8	32·7	32·4	30·0
8	36·7	27·0	31·2	35·7	36·2	33·1	29·3	33·2	33·2	30·8
9	40·2	28·6	32·6	39·7	39·4	34·5	31·2	35·9	35·1	33·0
10	37·2	28·8	33·0	32·6	32·0	29·5	30·8	29·3	28·6	26·0
11	30·8	25·0	26·8	29·5	30·2	29·5	24·7	25·8	26·8	27·1
12	39·4	19·4	25·5	37·6	38·5	29·2	24·9	33·5	33·7	28·5
13	40·8	23·6	26·6	38·7	40·5	34·6	26·5	35·1	35·9	33·8
14	42·7	30·0	33·9	40·9	40·6	34·6	32·2	37·8	37·0	33·6
15	42·8	33·2	40·4	41·5	41·5	37·6	40·1	41·3	41·5	37·5
16	37·6	30·9	33·7	34·7	34·2	32·6	32·7	34·5	33·8	32·6
17	52·6	32·5	41·5	51·0	50·9	42·6	41·2	48·7	48·1	42·2
18	54·3	42·2	47·9	51·7	54·2	48·5	47·3	50·0	50·6	46·0
19	50·1	41·6	47·6	49·5	49·3	43·4	46·9	47·9	48·4	40·8
20	52·0	37·0	41·3	48·3	49·8	40·9	39·3	43·2	42·6	39·7
21	47·4	33·8	47·1	45·4	44·3	34·1	45·9	42·9	41·1	33·4
22	44·8	29·8	36·8	41·0	42·6	42·6	36·5	40·8	42·4	41·2
23	43·2	36·8	37·6	37·3	41·3	37·9	37·0	36·1	38·8	36·2
24	47·4	34·9	39·8	45·3	44·2	39·7	38·9	43·2	40·8	38·3
25	40·0	35·7	38·4	38·6	38·1	36·8	37·0	36·1	35·8	34·7
26	43·1	34·8	35·9	40·8	42·2	38·8	34·9	36·8	37·0	37·0
27	44·9	33·6	42·7	42·7	44·5	33·6	41·0	40·3	40·9	33·5
28	40·9	29·4	31·9	34·7	39·8	34·7	31·8	34·0	36·8	33·6
29	38·5	32·8	35·6	37·3	38·0	35·4	34·5	36·6	36·4	34·5
Means	42·8	31·9	36·6	40·5	41·3	36·1	35·5	38·0	38·0	34·7

MARCH.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	39·0	33·3	34·7	37·1	38·1	37·8	34·1	35·4	36·6	36·6
2	41·3	35·0	36·5	38·2	40·8	38·6	34·9	36·7	38·1	37·4
3	42·4	33·4	36·8	39·6	41·5	34·8	35·8	37·9	37·9	33·9
4	38·1	28·0	32·1	37·6	35·3	34·7	31·8	36·6	34·8	33·4
5	50·3	34·4	40·1	46·9	47·4	38·9	39·5	41·6	41·2	37·8
6	50·7	35·1	40·7	45·6	47·7	44·2	38·5	40·8	41·9	40·5
7	51·6	30·5	44·9	47·3	49·5	44·5	42·7	44·4	45·9	44·0
8	52·8	41·5	45·5	48·3	51·7	42·6	45·3	47·5	49·8	42·4
9	55·5	42·5	49·6	53·7	51·5	47·3	48·8	50·1	49·6	46·7
10	60·4	43·0	48·5	55·9	59·6	49·0	47·9	52·3	53·5	46·6
11	49·0	40·3	43·3	43·8	44·6	40·9	43·0	42·9	42·9	39·6
12	41·8	37·1	40·0	40·8	40·5	37·6	37·5	37·3	37·1	34·8
13	42·0	36·2	38·8	39·9	41·4	36·6	35·9	36·4	36·9	34·0
14	45·7	33·4	39·3	41·4	45·5	33·7	35·9	36·9	40·2	32·1
15	43·5	32·3	39·8	40·3	42·6	40·0	37·2	37·6	37·6	36·6
16	49·4	35·0	39·7	46·0	47·5	37·8	37·9	39·4	40·4	36·1
17	54·7	31·3	41·3	50·3	53·8	39·2	39·5	44·6	46·8	37·7
18	54·7	32·0	46·5	54·2	53·5	41·6	41·0	44·5	44·3	38·8
19	59·0	33·5	46·5	55·8	57·3	49·7	42·4	49·2	49·8	46·3
20	59·5	44·4	53·0	55·3	56·9	47·6	48·9	50·6	51·9	45·7
21	65·3	43·1	56·6	62·6	65·0	52·2	51·8	54·3	56·0	48·1
22	65·3	48·5	54·6	60·7	59·2	53·8	49·1	52·7	52·5	49·3
23	57·1	45·4	53·5	54·6	53·8	45·6	50·1	50·6	50·9	44·6
24	63·4	38·8	53·3	60·9	62·6	47·5	49·9	53·8	53·6	45·8
25	61·3	42·9	49·7	57·1	57·4	45·4	47·9	51·8	51·5	44·5
26	53·1	44·7	47·8	50·6	52·4	48·5	47·6	50·0	51·5	47·6
27	59·3	41·2	50·4	55·3	55·4	48·1	48·6	49·8	49·6	46·1
28	62·6	40·8	52·1	56·9	59·3	51·9	49·8	51·9	53·5	50·6
29	59·0	48·3	51·9	54·1	56·6	53·0	51·3	53·4	54·1	51·5
30	61·9	48·1	53·9	58·6	59·6	51·1	49·4	53·3	53·8	49·5
31	63·8	48·9	54·3	53·5	60·4	53·0	49·9	50·8	53·7	49·0
Means	53·3	38·8	45·7	49·8	51·2	44·1	43·4	45·6	46·4	42·2

APRIL.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	58·4	47·3	50·7	53·8	55·3	51·6	50·5	53·1	53·8	50·7
2	52·1	44·0	47·6	47·3	46·6	44·2	46·7	46·0	44·8	42·0
3	46·2	38·8	42·8	43·9	43·6	39·4	40·7	40·6	39·9	36·1
4	48·9	35·6	40·6	44·9	47·9	38·4	38·8	40·1	40·8	35·8
5	44·6	34·3	41·0	42·7	43·5	39·7	37·6	37·6	38·7	35:5
6	44·7	37·3	40·8	42·6	43·6	37·8	36·6	37·7	38·8	35·1
7	49·5	35·8	42·7	48·0	47·3	41·0	39·3	41·3	40·8	37·8
8	48·3	36·3	41·7	44·6	47·2	43·8	38·0	40·2	41·9	40·6
9	51·9	41·9	44·2	48·1	51·6	41·9	41·9	43·9	43·5	39·0
10	52·2	39·0	42·6	44·2	51·5	40·5	39·0	39·6	44·5	37·5
11	48·0	38·4	42·7	41·6	45·5	39·4	38·8	38·8	39·9	36·7
12	47·7	33·9	39·1	44·9	34·6	36·3	37·1	38·5	33·8	34·8
13	44·3	33·3	36·6	39·3	40·4	37·0	35·8	38·1	38·2	36·0
14	48·9	29·2	43·6	45·8	46·8	42·8	39·9	39·8	39·1	39·6
15	47·1	36·1	42·9	44·9	44·6	41·8	40·2	41·0	40·2	39·3
16	49·9	35·9	40·5	43·7	48·2	39·7	38·2	39·1	41·2	37·8
17	50·3	33·3	42·6	48·0	47·8	43·2	37·8	39·8	39·4	37·8
18	53·8	35·2	46·6	49·6	53·8	45·6	40·8	40·8	44·4	39·9
19	53·4	35·6	45·1	49·8	49·5	44·9	38·4	41·4	40·1	38·3
20	45·4	37·3	44·2	43·7	42·0	38·3	42·6	42·9	41·0	36·6
21	48·5	28·3	44·0	45·9	42·1	37·9	40·9	41·7	38·2	37·1
22	48·3	37·2	43·8	45·8	44·4	37·6	37·8	38·8	38·4	34·8
23	55·5	30·1	43·3	50·7	52·2	44·4	36·8	42·7	43·8	40·9
24	61·7	41·1	49·8	57·6	58·9	54·0	46·2	50·0	49·0	48·8
25	62·0	50·1	54·7	58·7	59·4	53·5	51·9	55·0	55·5	51·0
26	61·9	47·0	54·8	56·4	53·6	49·9	50·1	48·7	49·9	46·6
27	59·7	42·1	53·7	54·4	56·6	45·4	48·0	48·1	48·4	44·8
28	62·9	36·7	54·2	58·7	59·7	52·1	48·6	50·0	51·9	48·1
29	63·1	43·1	56·0	58·8	63·1	52·6	51·6	53·0	53·2	49·3
30	61·9	47·5	55·8	57·4	59·4	48·5	48·8	49·1	49·7	46·0
Means	52·4	38·1	45·6	48·5	49·4	43·4	42·0	43·2	43·4	40·5

READINGS OF THERMOMETERS ON THE ORDINARY STAND IN THE CHRISTIE ENCLOSURE—*continued.*

(The readings of the maximum and minimum thermometers apply to the twenty-four hours ending 21h.)

MAY.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	53·3	41·1	48·5	50·0	51·6	42·4	44·6	46·2	47·0	40·6
2	54·7	39·1	47·5	50·2	52·6	42·3	43·6	45·5	46·9	40·6
3	57·3	39·6	45·7	49·8	55·5	50·3	44·0	46·8	49·7	46·0
4	63·9	46·0	56·6	58·7	61·6	46·2	52·2	52·3	55·4	45·7
5	68·0	46·1	52·0	64·9	67·3	53·6	51·3	58·2	59·3	52·1
6	79·6	47·5	63·5	74·1	77·7	59·8	57·8	63·1	65·5	56·2
7	66·4	50·2	57·4	60·1	65·5	52·1	54·1	57·1	60·8	50·2
8	55·9	47·3	49·8	54·8	53·8	47·9	47·2	50·8	49·6	46·3
9	56·8	45·6	48·9	53·3	54·7	50·3	47·6	50·6	50·8	48·2
10	63·1	46·8	49·4	55·7	58·6	55·0	47·9	52·2	54·1	51·0
11	66·9	45·8	56·2	62·7	63·7	52·6	52·6	54·8	55·7	50·8
12	66·5	49·1	55·6	58·6	63·6	54·7	52·2	53·8	57·8	52·0
13	66·7	50·3	58·0	63·5	65·6	56·0	54·2	57·0	58·3	52·7
14	72·0	46·1	56·6	63·8	70·0	54·6	50·7	54·7	59·6	51·6
15	74·8	42·1	66·3	72·7	72·4	58·5	57·0	62·1	60·4	53·5
16	75·0	52·0	71·6	73·9	72·4	59·3	60·8	62·5	62·3	55·4
17	72·8	54·0	59·1	68·5	69·8	56·6	58·1	63·3	61·8	55·8
18	74·6	50·7	66·2	73·7	72·6	61·0	61·0	64·6	61·8	55·0
19	72·2	49·4	62·8	70·5	72·1	57·5	56·7	59·3	57·4	49·7
20	64·8	45·1	61·6	63·7	58·5	47·2	52·0	53·0	51·4	41·7
21	54·9	41·6	46·8	51·4	52·0	46·1	42·5	43·3	45·7	41·4
22	61·9	39·0	49·6	56·1	59·0	49·0	43·8	47·9	50·7	47·9
23	56·1	46·0	51·5	54·5	51·9	46·2	48·3	47·8	45·9	43·9
24	64·6	42·6	56·3	63·5	57·9	52·4	50·3	53·4	52·0	50·3
25	67·1	48·0	59·4	64·6	64·8	52·4	55·2	56·8	58·0	51·1
26	66·2	46·0	49·8	59·4	65·4	56·5	48·0	53·8	57·2	52·5
27	65·8	50·0	54·6	58·9	64·7	50·4	52·6	54·7	56·2	47·3
28	52·6	46·0	51·3	50·3	52·2	47·6	43·6	44·3	44·3	41·3
29	67·9	33·7	54·6	64·9	62·6	55·2	47·0	53·0	52·5	49·2
30	59·1	44·0	55·5	51·2	57·3	44·0	49·0	47·8	49·6	41·5
31	58·2	40·0	49·6	51·9	56·8	46·9	43·6	43·8	46·7	45·4
Means	64·5	45·5	55·2	60·3	62·1	51·8	50·6	53·4	54·3	48·6

JUNE.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	66·1	43·9	54·4	60·7	54·3	45·3	48·7	49·9	49·5	44·2
2	60·8	43·1	53·2	49·8	52·7	46·7	49·4	48·0	50·5	45·3
3	58·9	41·4	49·6	52·6	49·3	48·2	48·8	49·6	48·0	46·3
4	62·9	43·1	50·8	58·4	59·3	50·5	47·8	51·5	52·0	47·7
5	62·6	47·1	51·2	57·7	62·6	52·1	49·2	52·8	55·2	48·9
6	68·4	44·3	58·5	65·4	61·6	55·8	50·0	52·7	53·2	54·3
7	60·8	51·0	53·3	57·6	58·6	54·6	52·8	53·5	54·5	51·3
8	72·5	52·1	62·4	65·8	68·3	62·4	53·4	54·8	56·3	56·5
9	75·4	50·4	64·2	67·6	69·9	65·5	57·6	58·9	59·8	59·7
10	68·0	53·8	61·0	62·7	66·3	56·8	57·7	59·0	60·3	54·5
11	67·1	52·2	56·4	64·8	64·7	56·5	53·4	58·5	58·7	54·0
12	72·0	51·3	63·2	66·6	65·9	58·5	57·0	59·6	59·7	55·3
13	63·3	54·4	57·0	60·7	59·1	54·8	56·4	59·4	56·1	53·1
14	69·9	52·3	58·8	65·6	66·0	56·5	53·8	56·4	55·0	53·5
15	65·8	51·8	57·0	62·8	63·2	56·2	51·6	55·6	54·8	49·9
16	69·5	48·6	59·2	63·9	66·5	54·6	52·6	56·1	58·4	51·7
17	79·5	48·3	70·5	75·3	77·5	61·6	62·6	60·3	60·7	57·7
18	75·5	56·1	63·5	72·3	74·1	65·9	61·2	66·3	67·9	60·3
19	79·6	59·0	72·5	77·1	76·7	66·4	66·5	67·3	68·9	62·2
20	85·3	61·3	74·9	84·6	82·8	70·8	69·3	73·3	68·4	64·2
21	87·8	61·2	78·1	82·3	83·3	63·2	70·1	69·9	72·7	62·4
22	79·3	58·2	70·5	75·9	77·2	64·8	64·0	64·7	65·6	59·5
23	82·6	59·8	71·9	73·6	78·6	65·9	64·0	65·5	66·5	62·3
24	76·9	58·6	71·4	74·9	75·5	67·5	64·4	64·8	62·9	62·8
25	79·5	55·6	69·6	78·0	79·2	61·5	63·3	65·5	67·0	58·5
26	63·1	55·1	56·7	60·3	59·7	59·6	56·2	57·9	58·8	58·5
27	74·0	56·1	62·5	71·3	71·9	60·1	59·4	63·7	63·9	56·7
28	75·7	56·2	66·5	71·7	70·7	60·5	60·4	64·8	62·8	58·8
29	68·5	58·0	61·8	64·5	67·1	60·0	61·0	61·5	62·3	59·8
30	70·1	57·1	65·2	63·0	66·8	60·5	59·6	61·1	62·5	60·4
Means	71·4	52·7	62·2	66·9	67·6	58·8	57·4	59·4	59·8	55·7

JULY.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	73·4	57·0	60·9	69·6	69·4	57·4	58·4	62·5	60·2	54·5
2	69·8	56·1	60·4	65·6	66·7	59·1	58·3	61·3	62·4	57·8
3	71·0	57·3	64·5	65·9	67·5	61·5	58·6	60·8	61·8	59·8
4	76·3	58·7	64·8	73·9	69·5	64·0	60·0	63·6	61·7	61·8
5	76·9	59·9	67·2	72·0	73·1	64·6	61·0	63·4	63·5	61·1
6	76·2	54·7	65·9	74·4	70·8	64·4	62·3	65·3	66·4	62·6
7	76·8	61·1	69·4	74·4	72·5	63·6	65·6	67·9	67·3	60·4
8	74·3	54·6	62·7	69·6	73·4	59·5	57·2	58·2	61·6	54·9
9	60·9	53·4	60·6	57·1	55·9	54·0	56·6	56·6	55·2	52·0
10	65·1	51·3	59·2	57·7	61·1	55·0	54·5	54·9	56·4	53·3
11	68·8	53·0	62·6	67·6	60·8	56·6	55·8	59·2	58·4	54·6
12	71·1	54·1	62·5	67·7	61·5	59·7	55·8	59·4	57·5	58·9
13	70·3	59·0	64·3	66·5	69·8	59·8	59·0	57·5	60·1	55·9
14	73·3	54·6	61·7	66·7	66·9	58·0	56·9	58·5	59·8	55·0
15	66·8	52·2	54·5	57·5	62·1	58·9	53·1	53·5	56·1	56·0
16	73·1	54·4	64·0	66·6	71·3	60·8	58·2	59·2	61·4	58·2
17	77·8	56·4	68·4	72·8	77·2	68·6	65·8	65·8	67·9	65·0
18	70·8	56·6	63·5	65·1	68·9	56·9	58·5	58·6	58·8	55·6
19	69·6	55·9	62·8	67·6	65·8	56·7	58·4	60·3	60·8	54·8
20	69·7	53·8	62·2	66·5	65·0	61·1	57·1	58·7	59·6	56·7
21	66·9	52·2	61·8	64·5	63·3	59·4	55·7	57·9	56·9	53·9
22	65·0	47·7	60·2	62·8	64·4	56·5	55·2	55·4	57·4	55·1
23	64·8	53·7	58·2	59·6	63·5	60·9	57·4	58·9	61·9	59·1
24	71·2	56·1	64·2	69·3	67·0	57·8	58·6	61·0	59·3	55·1
25	70·7	52·9	60·6	63·6	66·4	54·3	55·8	58·6	58·8	52·7
26	69·1	48·6	61·7	66·1	63·5	55·5	55·6	58·1	59·7	53·0
27	72·6	46·6	61·8	65·6	67·4	56·3	55·4	56·9	58·4	53·6
28	69·9	52·6	62·0	63·7	57·5	54·9	57·4	58·0	56·2	53·8
29	67·3	53·9	57·4	57·6	65·2	57·3	55·8	55·6	56·3	54·1
30	73·0	47·4	59·6	66·6	69·2	63·0	56·0	58·9	59·4	56·8
31	66·8	54·9	58·6	60·4	61·3	60·6	57·6	59·4	60·4	59·5
Means	70·6	54·2	62·2	66·0	66·4	59·2	57·8	59·5	60·1	56·6

AUGUST.

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
d	°	°	°	°	°	°	°	°	°	°
1	68·5	59·0	61·8	65·9	63·2	60·0	59·8	62·5	59·8	57·3
2	70·1	52·1	58·6	59·3	68·4	61·7	56·8	58·7	64·4	58·5
3	69·2	56·8	62·7	64·4	64·5	58·5	57·4	56·5	56·0	55·1
4	68·0	52·2	57·4	64·8	63·7	58·4	54·5	57·7	55·8	52·9
5	68·4	52·5	61·2	61·7	67·8	57·8	56·5	55·5	57·8	55·7
6	68·0	56·0	63·1	64·1	65·7	61·3	59·9	61·1	61·7	59·3
7	61·3	55·3	57·1	57·6	57·3	55·8	55·4	55·2	55·4	54·4
8	67·9	53·7	59·5	63·8	66·5	54·5	56·7	58·6	60·0	54·2
9	73·9	48·1	62·2	69·4	72·6	59·6	59·0	62·8	64·9	58·2
10	73·9	54·1	64·4	69·5	72·7	61·6	61·7	63·7	63·9	59·6
11	66·9	57·0	59·2	61·6	63·5	60·6	58·0	57·3	58·3	58·4
12	69·2	53·1	58·3	61·3	67·3	61·7	55·7	58·7	60·6	56·8
13	69·8	52·2	61·7	67·8	65·6	57·4	57·7	59·5	58·4	54·9
14	71·8	53·3	60·7	67·5	68·8	55·8	56·2	60·3	61·0	54·5
15	81·5	47·7	64·6	75·3	79·2	61·6	59·8	66·0	66·9	60·3
16	82·9	52·8	68·6	78·5	79·6	64·7	63·1	67·2	67·6	62·7
17	81·1	59·1	69·8	77·7	79·7	64·6	62·3	66·3	65·8	61·3
18	78·6	60·0	66·9	72·3	71·6	62·5	63·3	64·0	61·6	54·5
19	68·6	56·0	60·6	66·3	61·6	60·5	55·0	57·9	56·2	59·7
20	77·0	59·8	65·0	71·8	76·6	61·9	61·8	64·4	66·4	59·9
21	71·5	56·1	64·6	67·5	69·4	62·6	59·8	61·9	62·2	56·8
22	70·5	51·3	62·7	66·6	67·3	59·6	56·4	57·3	58·1	54·5
23	76·9	46·0	62·3	70·3	76·2	61·5	55·3	59·8	62·4	58·8
24	80·6	54·1	66·9	76·1	78·9	68·7	61·5	66·6	67·9	64·0
25	81·5	55·3	70·8	73·5	79·2	66·6	64·9	65·3	66·9	63·1
26	70·4	56·3	63·7	69·2	69·3	56·9	59·7	60·8	60·1	53·7
27	69·8	53·0	63·8	68·6	67·6	56·9	58·3	60·3	60·3	55·5
28	77·2	51·1	61·6	73·3	76·6	58·8	60·4	63·3	64·8	56·3
29	84·6	47·2	58·7	78·5	82·6	60·6	58·4	63·0	63·0	57·8
30	82·8	58·0	69·8	76·6	81·4	71·2	61·3	64·5	66·8	64·8
31	71·2	59·9	63·9	67·1	69·0	64·8	58·6	60·0	61·8	60·6
Means	73·3	54·2	63·0	68·6	70·8	60·9	58·9	61·2	61·8	57·9

READINGS OF THERMOMETERS ON THE ORDINARY STAND IN THE CHRISTIE ENCLOSURE—*concluded.*
(The readings of the maximum and minimum thermometers apply to the twenty-four hours ending 21h.)

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
SEPTEMBER.										
d	°	°	°	°	°	°	°	°	°	°
1	72·6	59·1	64·0	66·7	69·1	61·6	59·0	60·5	62·0	59·4
2	80·2	57·7	66·4	72·9	74·6	62·3	61·9	64·1	65·5	60·4
3	72·8	54·2	67·0	65·5	67·5	59·9	62·9	63·4	63·8	58·3
4	69·1	55·2	59·8	65·6	64·0	61·5	59·2	61·9	61·6	58·7
5	67·2	57·0	62·6	57·7	57·2	57·7	59·4	54·2	55·9	55·1
6	67·0	54·1	59·4	65·6	63·1	59·5	53·8	56·4	56·1	56·6
7	67·3	58·1	62·5	65·4	64·0	58·4	55·5	54·2	53·6	53·9
8	66·1	52·9	56·8	61·6	63·9	58·5	53·8	57·1	57·0	55·2
9	69·2	52·3	58·2	63·6	65·4	55·7	55·9	58·2	59·6	54·5
10	69·3	54·2	60·2	66·4	67·2	58·0	60·0	64·4	65·0	57·8
11	76·9	53·6	65·0	73·1	73·8	61·3	61·4	63·8	62·8	58·0
12	69·2	57·1	63·8	67·0	63·9	59·6	59·6	63·1	62·0	58·8
13	72·0	57·6	62·1	68·3	70·6	61·5	61·3	63·3	63·7	56·6
14	70·2	50·1	58·6	67·7	66·4	54·9	56·4	60·1	57·1	52·1
15	64·5	51·1	54·8	58·5	53·7	52·4	52·7	54·8	51·7	51·2
16	66·7	49·6	58·4	63·8	64·2	58·9	56·4	57·9	59·2	57·0
17	68·9	57·2	60·1	65·7	68·0	59·6	58·6	61·5	61·8	58·8
18	69·2	55·7	60·6	62·8	68·6	56·2	56·9	58·3	61·6	54·9
19	63·9	47·5	55·9	57·3	63·4	56·2	55·2	55·9	59·6	55·4
20	68·9	52·9	63·7	68·6	67·2	63·0	60·2	62·0	61·7	62·0
21	67·8	59·4	62·4	64·6	66·4	59·7	60·5	62·1	63·8	58·5
22	72·3	52·1	56·0	67·1	70·2	58·3	55·8	62·6	62·8	57·6
23	67·7	52·7	58·3	61·4	67·3	57·3	58·0	59·8	62·3	56·9
24	70·9	56·1	61·0	67·1	69·0	62·3	59·2	62·8	64·4	61·3
25	66·2	59·9	63·7	62·9	65·6	60·4	61·8	60·3	61·9	58·2
26	60·7	49·1	50·8	53·7	54·7	51·2	49·2	50·1	49·3	47·6
27	52·5	46·8	49·6	51·3	52·3	48·0	46·8	48·8	49·9	46·6
28	56·8	44·7	52·6	56·6	55·7	47·6	48·2	50·1	49·7	44·8
29	57·9	41·9	49·5	56·7	55·8	48·3	46·6	50·1	49·8	45·7
30	56·8	43·1	52·2	56·3	55·3	52·3	49·1	51·8	51·8	50·3
Means	67·4	53·1	59·2	63·4	64·3	57·4	56·5	58·5	58·9	55·4
OCTOBER.										
d	°	°	°	°	°	°	°	°	°	°
1	56·0	49·1	53·7	54·9	54·8	53·0	50·2	50·8	50·9	50·5
2	58·9	43·6	51·8	57·5	55·7	45·5	49·6	52·1	49·7	43·1
3	58·4	36·1	50·3	56·6	57·6	40·6	45·3	48·8	49·0	38·8
4	62·6	34·0	47·1	59·2	61·4	43·0	45·4	50·7	51·8	42·3
5	53·6	34·5	48·9	52·4	50·1	44·3	47·8	45·9	42·9	41·1
6	52·2	39·1	46·5	49·9	48·5	43·3	42·7	43·9	43·0	40·5
7	52·1	36·7	47·6	49·9	49·9	45·6	43·8	44·8	45·1	42·1
8	52·1	40·8	44·1	46·5	49·0	45·9	43·2	43·4	42·6	41·1
9	51·9	37·0	46·5	50·9	49·7	44·6	43·8	44·4	45·1	42·0
10	52·2	43·0	44·6	50·8	52·2	46·0	42·4	45·3	46·4	43·6
11	54·0	39·6	46·5	51·3	52·9	41·6	43·8	46·2	47·1	40·8
12	57·8	36·0	47·3	54·5	57·5	51·7	44·8	50·8	52·5	48·7
13	57·8	44·9	50·3	55·6	55·2	52·4	47·8	50·5	50·7	49·0
14	57·6	42·0	52·2	56·2	56·5	56·8	50·8	54·3	55·8	53·8
15	67·2	49·6	57·2	63·3	64·2	54·3	55·1	57·8	58·2	50·8
16	59·3	46·0	51·3	59·3	57·8	52·4	48·5	52·0	50·7	50·0
17	59·8	50·1	57·2	59·3	59·5	57·4	51·8	52·8	54·2	53·7
18	57·7	46·9	50·9	56·2	56·4	47·7	45·5	47·9	47·9	43·5
19	56·2	42·6	50·3	55·7	53·6	47·9	48·7	48·0	47·8	43·8
20	51·1	42·0	45·6	50·6	50·7	49·7	39·3	41·9	44·0	47·4
21	55·8	49·2	51·9	54·2	55·2	54·7	49·5	50·8	51·1	51·8
22	61·7	45·2	51·6	60·3	60·6	55·0	49·5	55·8	56·2	53·0
23	59·6	51·3	53·5	58·9	53·7	52·0	51·4	53·2	51·6	50·0
24	57·6	45·6	47·2	51·8	55·1	49·9	46·8	49·5	49·5	47·8
25	54·4	41·0	50·7	53·0	50·3	42·4	46·8	45·4	43·7	39·5
26	59·7	40·5	47·5	54·1	58·7	57·7	46·9	53·0	57·6	54·7
27	57·7	42·7	47·8	51·6	50·0	43·0	41·2	43·5	44·5	41·0
28	52·2	41·2	46·6	50·6	51·0	45·4	42·6	45·2	44·4	42·7
29	54·8	30·3	39·9	52·0	52·3	53·4	39·2	46·9	48·8	52·8
30	63·1	51·5	57·7	61·6	60·6	57·6	54·9	57·2	56·5	54·6
31	57·7	44·2	49·4	49·4	48·3	44·6	48·8	48·8	46·4	43·3
Means	56·9	42·5	49·5	54·5	54·5	49·0	46·7	49·1	49·2	46·4

Days of the Month.	Dry-Bulb Thermometers, 4 ft. above the Ground.						Wet-Bulb Thermometers, 4 ft. above the Ground.			
	Maximum.	Minimum.	9h	12h	15h	21h	9h	12h	15h	21h
NOVEMBER.										
d	°	°	°	°	°	°	°	°	°	°
1	48·9	34·8	39·5	43·4	45·1	45·9	38·1	41·6	42·5	43·4
2	52·6	42·8	49·6	51·9	51·4	43·5	48·8	49·9	49·3	42·2
3	49·2	38·0	46·5	48·0	48·9	48·2	46·2	47·8	48·5	47·9
4	49·3	41·7	43·9	47·6	47·1	45·0	43·3	46·5	46·2	43·4
5	52·9	44·1	50·3	50·7	50·8	44·7	49·0	48·9	46·8	42·9
6	53·9	36·5	46·4	52·6	51·6	48·4	45·4	49·8	48·1	46·9
7	48·8	41·9	43·6	45·8	48·3	45·0	42·8	44·8	46·6	43·0
8	51·0	40·1	46·6	49·7	46·7	41·5	42·3	43·4	42·6	38·7
9	55·0	41·0	49·1	52·6	52·6	47·6	47·0	48·8	48·1	44·6
10	50·7	40·0	46·4	48·6	45·6	40·2	43·1	43·8	41·9	37·5
11	54·4	31·9	39·7	47·0	44·7	54·4	38·2	44·6	43·9	53·9
12	54·4	48·0	50·5	51·6	51·6	50·4	48·9	50·1	50·5	49·9
13	50·9	42·2	47·7	48·4	48·8	42·7	45·9	45·4	44·9	41·8
14	51·7	34·1	47·4	49·9	50·6	42·9	45·9	48·9	46·0	40·8
15	52·1	37·2	44·6	49·5	50·9	52·0	42·6	45·8	47·6	49·6
16	53·7	49·5	52·5	53·1	51·9	52·1	50·7	48·9	48·4	51·8
17	56·1	47·0	54·6	55·1	55·2	47·4	53·5	54·4	54·2	44·7
18	47·4	43·8	44·7	46·0	45·2	45·6	42·8	43·0	42·4	42·3
19	45·8	43·0	44·9	45·1	43·7	44·1	43·9	43·9	42·9	41·8
20	44·2	38·4	41·6	44·0	43·9	40·9	38·5	39·9	39·4	38·5
21	46·2	36·0	38·4	44·7	43·4	37·9	37·0	42·0	40·9	37·5
22	45·8	35·7	38·2	39·4	43·9	37·0	37·8	39·0	41·4	36·8
23	38·1	32·9	33·8	38·0	37·7	37·6	33·7	36·9	37·3	36·8
24	37·9	35·2	35·8	36·7	36·6	35·9	34·9	35·5	35·3	34·8
25	38·9	32·2	33·1	35·6	36·7	38·9	32·8	34·5	35·8	38·4
26	44·1	37·0	40·8	43·9	42·7	38·9	40·6	42·3	40·9	37·9
27.	41·9	35·0	37·3	38·7	41·6	41·3	37·0	37·9	39·4	39·7
28	41·9	36·6	37·7	39·7	40·6	40·5	35·3	37·9	38·8	39·3
29	47·5	32·4	35·6	42·5	43·1	47·5	35·5	39·4	42·2	46·8
30	54·1	47·0	50·2	51·0	52·9	47·4	48·9	48·4	49·1	42·6
Means	48·6	39·2	43·7	46·4	46·5	44·2	42·3	44·1	44·1	42·5
DECEMBER.										
d	°	°	°	°	°	°	°	°	°	°
1	47·8	40·3	42·4	45·5	46·6	44·0	38·7	40·6	41·3	40·7
2	54·6	41·1	47·6	53·4	54·3	52·4	46·8	50·5	49·9	49·9
3	53·9	48·4	49·6	53·7	53·0	51·5	46·8	48·9	49·0	48·8
4	51·5	39·0	47·3	47·9	47·1	39·7	43·5	40·9	38·9	36·4
5	44·6	35·8	43·4	43·7	39·6	36·7	41·9	41·0	37·5	34·1
6	39·7	32·8	37·1	39·3	39·2	36·7	35·8	37·6	36·5	34·1
7	36·7	27·4	29·7	33·0	33·9	28·6	27·3	30·3	31·3	27·2
8	45·0	25·7	35·7	40·7	43·5	41·4	35·1	40·4	43·1	39·8
9	41·4	32·3	34·4	36·8	39·6	37·6	34·1	36·8	39·2	37·4
10	38·4	36·2	36·8	37·6	37·6	36·4	36·0	36·7	35·0	34·6
11	41·1	26·5	30·8	41·1	38·1	30·3	30·5	38·9	36·8	29·8
12	41·9	30·2	36·5	41·7	41·3	39·9	35·6	40·5	40·7	39·6
13	44·6	28·0	31·3	40·5	42·2	44·6	30·9	37·9	39·7	41·8
14	50·2	44·0	49·2	50·1	48·1	47·1	48·3	48·3	46·7	46·3
15	48·0	36·0	37·3	42·7	42·7	42·5	35·5	39·2	39·4	40·5
16	51·8	42·2	47·9	50·6	46·5	43·3	47·2	47·8	43·8	40·5
17	55·0	42·4	47·4	50·1	55·0	53·8	45·4	49·3	53·2	52·8
18	55·2	49·0	53·0	53·1	52·4	49·8	51·0	51·1	50·8	48·6
19	50·2	40·3	41·1	46·7	45·6	45·5	39·1	43·0	42·8	43·7
20	48·7	42·6	43·7	47·6	47·4	45·5	42·1	43·9	43·8	42·8
21	48·6	37·9	47·1	48·4	45·7	41·3	45·4	46·1	43·9	40·0
22	51·9	37·5	46·3	50·4	51·5	43·8	45·7	48·5	49·3	42·7
23	44·0	33·2	36·7	39·8	40·4	34·1	36·0	38·6	38·8	33·6
24	43·3	30·8	33·6	38·8	42·0	42·9	33·5	37·9	40·2	40·8
25	46·8	37·7	40·0	43·8	46·4	45·2	38·4	41·4	43·8	44·2
26	45·8	42·2	43·0	44·5	44·5	42·8	42·9	44·1	44·0	42·7
27	44·9	33·5	41·3	43·3	41·6	33·8	40·3	40·9	39·2	33·0
28	39·0	31·0	31·1	32·3	34·9	39·0	30·7	31·5	34·8	38·8
29	52·7	38·6	51·2	51·4	51·4	49·4	49·7	49·5	49·0	47·9
30	49·7	40·2	41·6	44·3	45·7	41·5	40·1	41·4	42·1	39·9
31	48·4	40·5	46·4	47·5	46·6	45·9	44·7	45·0	44·0	44·1
Means	46·9	36·9	41·3	44·5	44·7	42·2	40·0	42·2	42·2	40·6

AMOUNT OF RAIN COLLECTED IN EACH MONTH OF THE YEAR 1936.

Gauges partly sunk in the Ground in the Christie Enclosure.	Monthly Amount of Rain collected in each Gauge.													Height of Receiving Surface.	
	Number of Gauge.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Sums.	Above the Ground.	Above Mean Sea Level.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	ft. in.	ft. in.
	6	3·553	1·472	0·797	1·698	0·408	3·378	2·925	0·561	3·156	1·788	3·021	1·785	24·542	0 5	149 6
	8	3·563	1·522	0·780	1·652	0·384	3·448	2·911	0·588	3·232	1·866	3·113	1·845	24·904	1 0	150 1
Number of Rainy Days (0·005in. or over).		23	14	12	14	7	16	22	9	17	14	19	16	183	..	..

MEAN HOURLY MEASURES OF THE HORIZONTAL MOVEMENT OF THE AIR, IN EACH MONTH, AND GREATEST HOURLY MEASURES, AS DERIVED FROM THE RECORDS OF ROBINSON'S ANEMOMETER.*

Hour Ending	1936												
	January.†	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the Year.
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
1h	11·2	10·4	9·2	11·0	10·0	8·7	10·9	9·0	9·4	..	11·8	13·5	10·5
2	11·8	10·2	8·9	11·3	10·0	8·5	10·7	9·0	9·4	..	11·8	13·4	10·5
3	12·2	9·9	9·0	10·5	9·8	8·1	10·5	8·7	9·3	..	11·8	12·6	10·2
4	12·5	10·2	9·0	10·8	9·6	8·2	10·5	8·5	9·2	..	12·2	13·4	10·4
5	11·9	10·2	9·4	11·3	10·1	8·0	11·0	8·6	9·1	..	11·8	13·8	10·5
6	11·5	10·1	9·0	11·2	9·8	7·8	10·7	8·5	9·2	..	11·3	13·9	10·3
7	12·0	10·0	9·3	11·2	10·0	8·6	10·9	8·5	9·9	..	11·6	13·5	10·5
8	11·6	10·3	9·3	11·7	10·3	8·6	11·5	9·0	9·9	..	11·4	13·6	10·7
9	11·8	10·8	9·5	12·2	10·6	9·0	12·1	9·8	11·0	..	11·8	13·8	11·1
10	11·3	11·2	9·9	12·9	11·1	9·4	12·5	9·7	11·6	..	11·5	13·9	11·4
11	11·7	11·8	10·4	13·0	11·4	9·8	13·3	9·9	11·7	..	11·8	14·0	11·7
12	12·0	12·6	11·1	13·3	12·2	10·1	13·9	10·5	12·4	..	12·8	14·7	12·3
13	11·1	11·9	10·7	13·4	12·5	10·8	14·7	10·6	11·9	..	12·5	14·3	12·2
14	11·4	11·6	10·5	13·1	11·9	10·9	14·2	10·8	11·9	..	12·8	13·8	12·1
15	12·8	12·0	11·4	13·6	12·7	11·3	14·0	11·2	12·0	..	12·8	13·2	12·5
16	13·1	11·6	11·4	13·3	12·3	10·7	13·9	11·5	11·3	..	12·3	12·9	12·2
17	13·4	11·4	11·1	13·4	12·1	11·8	14·1	11·4	11·5	..	12·1	12·5	12·3
18	13·3	11·0	10·9	13·5	12·1	11·4	13·1	11·5	11·1	..	12·4	12·6	12·1
19	12·9	10·7	10·3	12·7	11·8	11·3	11·6	10·9	10·5	..	12·2	13·0	11·6
20	12·5	10·7	10·3	12·2	12·0	11·3	11·9	10·5	10·2	..	11·7	12·8	11·5
21	13·0	10·8	10·4	11·3	11·5	10·0	11·5	10·3	10·3	..	11·8	12·7	11·2
22	12·7	10·4	9·5	11·5	11·2	9·1	11·1	9·9	9·6	..	11·6	12·6	10·8
23	13·0	10·1	9·4	11·2	11·0	9·4	10·9	9·8	10·0	..	12·5	12·9	10·9
24	12·1	10·1	9·3	11·0	10·4	9·2	11·0	9·5	9·9	..	12·4	13·0	10·7
Means	12·2	10·8	10·0	12·1	11·1	9·7	12·1	9·9	10·5	..	12·0	13·4	11·3
Greatest Hourly Measures	33	30	20	23	22	23	26	22	32	..	28	37	..

* The measures are derived from the motion of the cups by the formula $V = 2v + 4$, where v is the hourly motion of the cups in miles. *See* Introduction.
The instrument was not in use during the month of October, owing to the reconstruction of the hut on which it is erected.

† Means of 22 days.

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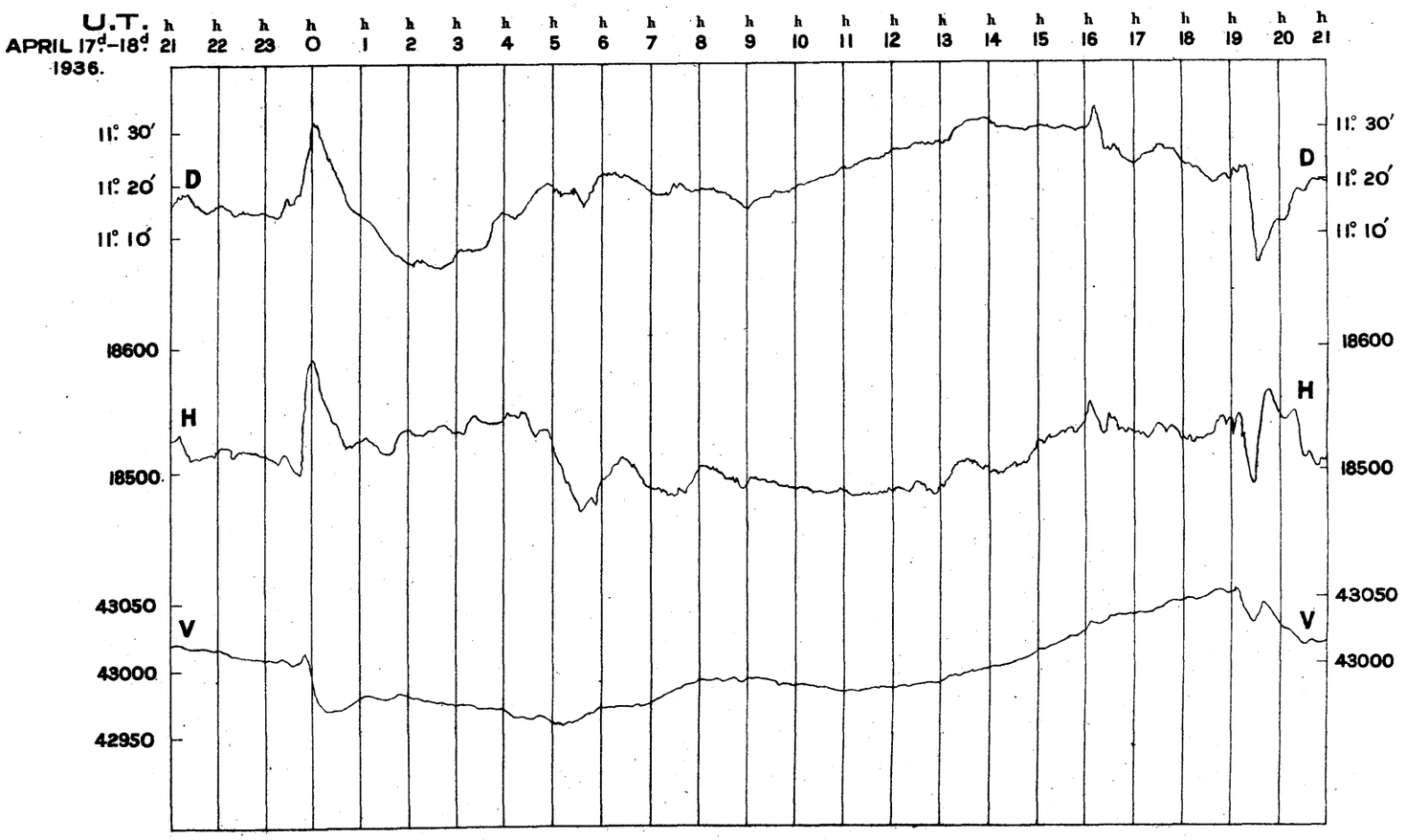
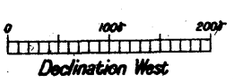
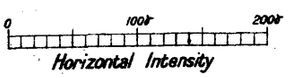
Plate I

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1936.



SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.





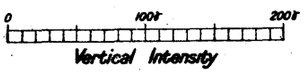


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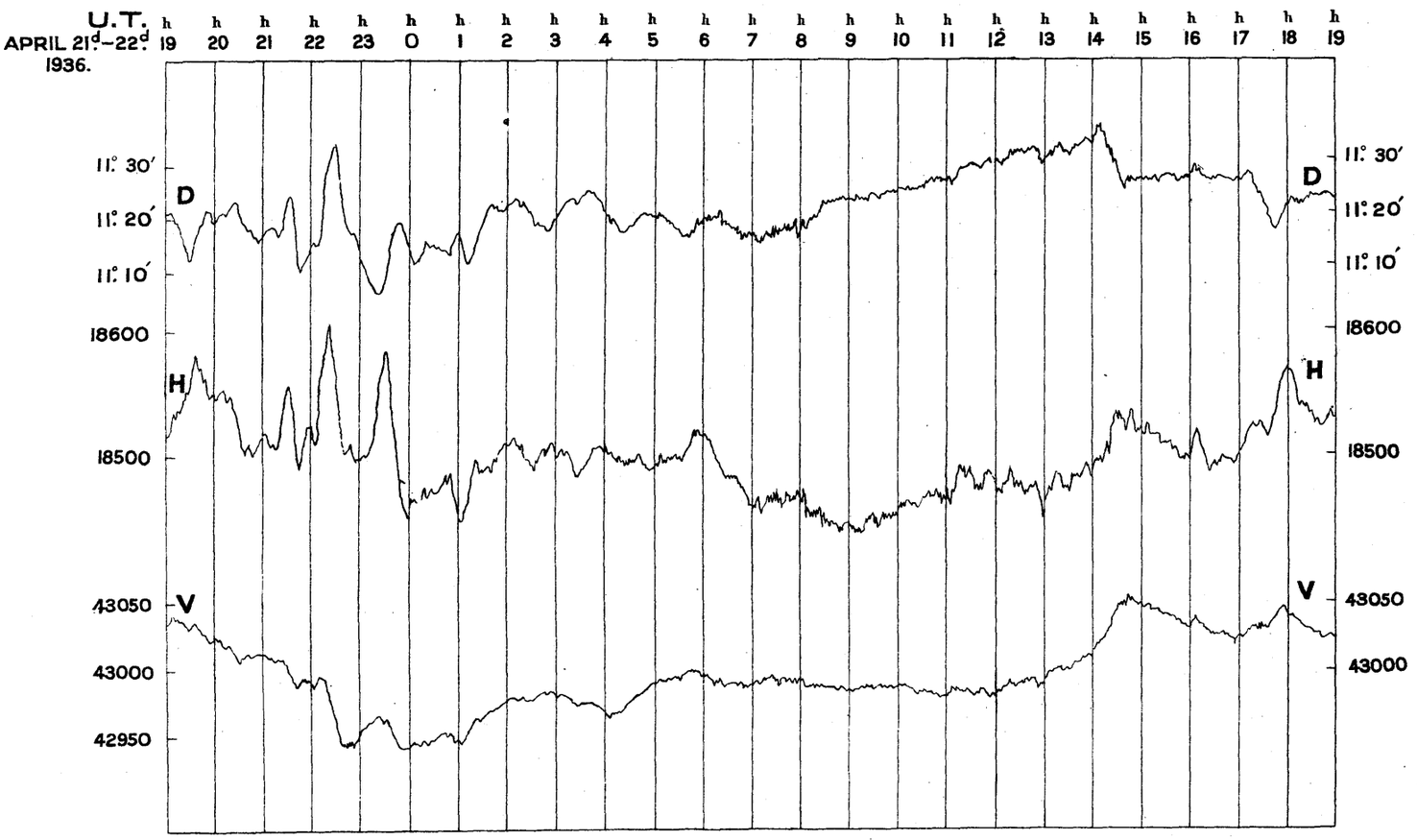
Plate II.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1936.



SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.

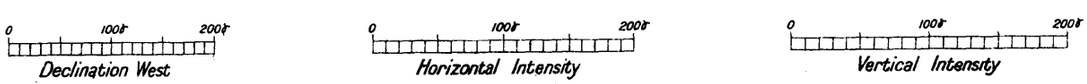
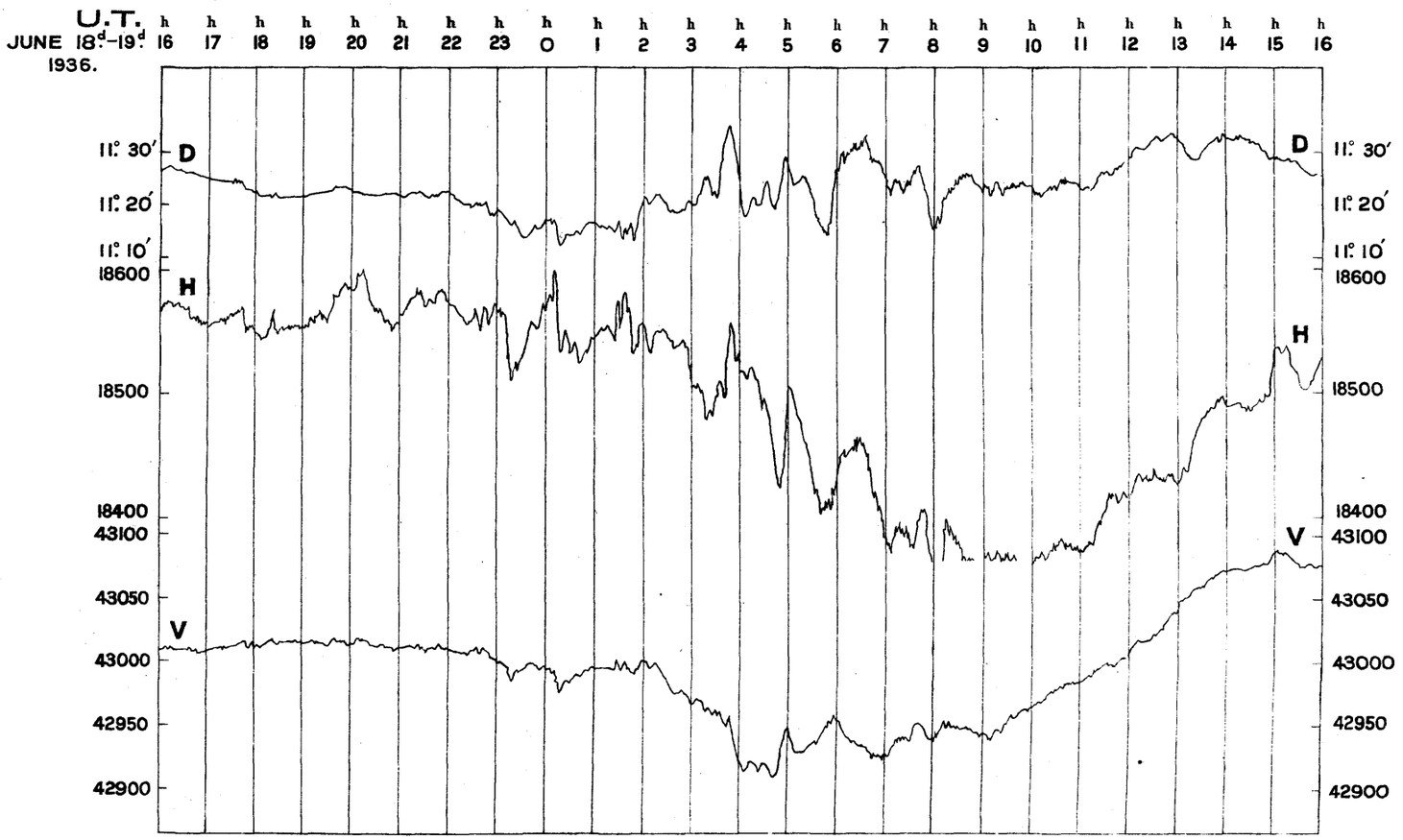


Plate III.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1936.



SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.

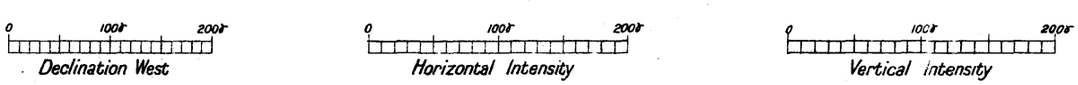
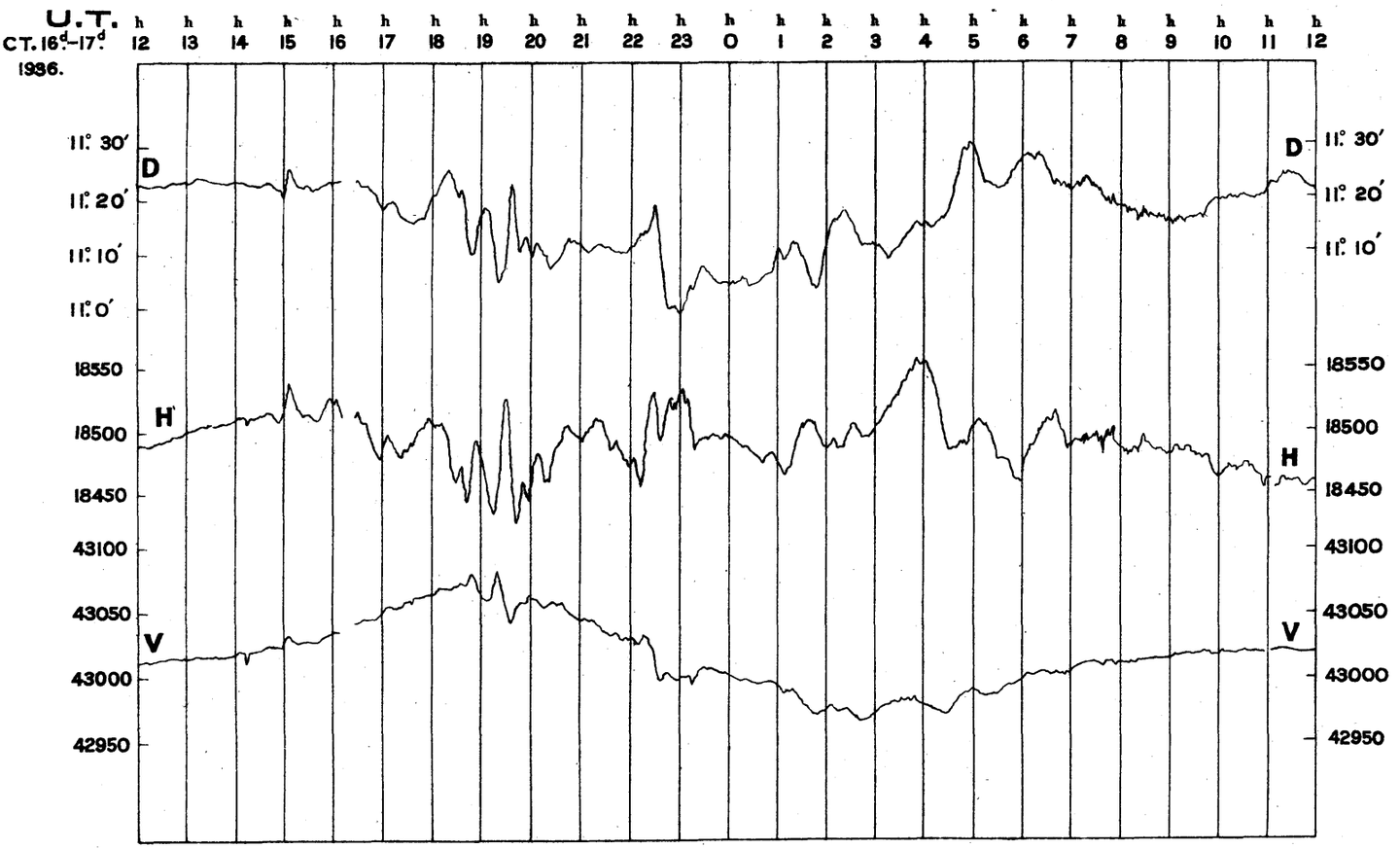


Plate IV.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1936.



SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.

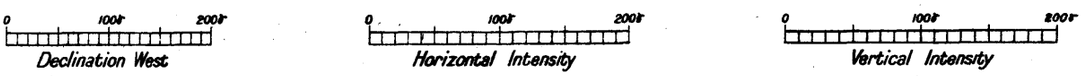
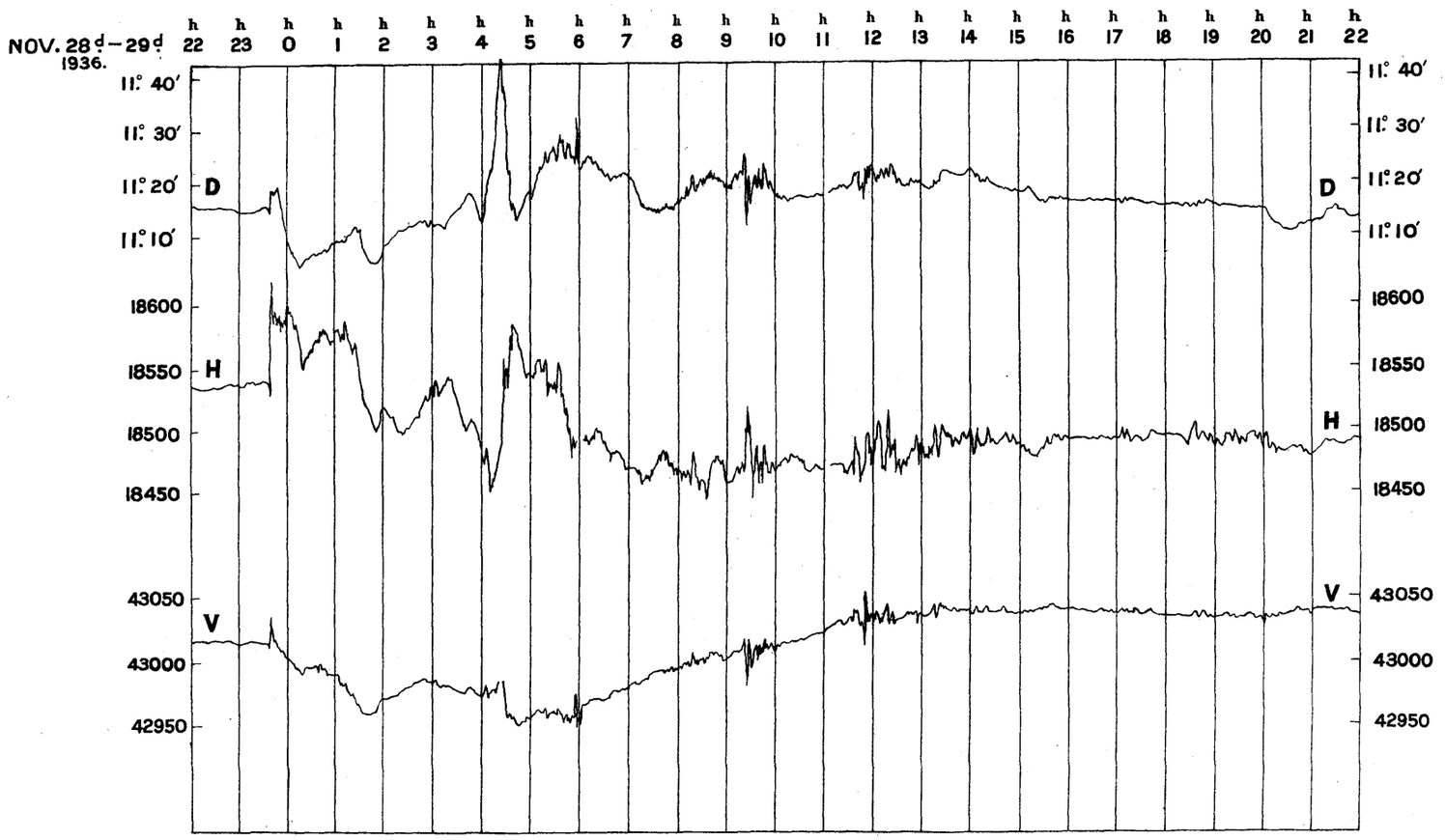


Plate V.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1936.



SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.