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RESULTS OF THE MAGNETIC & METEOROLOGICAL OBSERVATIONS

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

1935

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, 1935.

Introduction.

During the year 1935 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 and three computers. Computers employed during the year were :—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 $0^{\circ}\cdot2$ 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 1935 is based were verified in January 1935. 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 $3{\cdot}59570\ (1-4{\cdot}3t \times 10^{-6})$, 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. 21 observations of the moment of inertia of the collimator magnet were made during the year 1935. The mean observed value of log. K from these determinations was 2·42372. 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 149 determinations made during the year are +10·01 and −1719 respectively.

The values used in the reduction of the 1935 observations, however, are the mean values obtained from all the observations made during the years 1924–35. These values are: P = +9·89, Q = −1538.

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 $F=3{\cdot}59643\ (1-7{\cdot}9\ t\times10^{-6})$.

The constants of the potentiometer in use during the year for the measurement of the current were determined at the National Physical Laboratory in January 1935.

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′·610 per mm. As the beam is not normal to the drum, however, the scale value varies from 0′·605 at the top of the sheet to 0′·615 at the bottom. Expressed as magnetic intensity the corresponding mean scale-value would be 3·29γ 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 0·012 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 2·61γ 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 0·008 to 0·010 cm. 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 re cording 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 1935 was 2·46γ per mm. 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 61 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, the time-limits of the traces being determined in consultation with the Director of Val Joyeux Observatory, University of Paris, with a view to the comparison of the results of the two stations. These dates in 1935 are January 27–28, March 14–15, April 10–12, May 1–2, June 7–8, July 24–25, September 11–12, October 24–25. 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.
1936 *June* 12.

ROYAL OBSERVATORY, GREENWICH.

ABINGER MAGNETIC STATION.

Results of Magnetic Observations

1935

GREENWICH MAGNETIC AND METEOROLOGICAL RESULTS 1935

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

January. 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	35·6	36·1	36·1	37·0	36·1	35·9	36·1	36·2	37·9	40·5	38·0	37·9	37·9	37·8	37·1	36·7	36·0	35·5	35·5	34·9	31·6	33·1	33·6	35·1
2	35·0	35·7	40·1	36·7	36·0	35·0	34·8	35·1	34·7	35·4	36·2	37·4	38·6	37·9	37·3	36·1	35·8	35·7	34·9	31·4	32·8	34·7	34·8	35·0
3	35·3	36·7	36·4	35·9	35·4	35·2	35·5	35·8	35·3	34·5	36·3	37·4	37·6	37·9	37·8	36·9	36·2	35·9	35·6	34·8	31·5	32·8	33·9	33·9
4	30·6	32·2	35·3	35·8	35·6	35·3	37·1	36·3	36·7	36·7	37·4	37·0	37·0	38·0	36·6	36·2	35·1	33·0	32·5	34·5	34·5	33·4	33·5	35·3
5	35·0	35·7	36·4	35·8	35·4	35·3	35·3	35·2	34·5	34·1	35·3	36·2	36·7	37·0	36·1	35·5	35·0	35·0	34·7	34·6	31·4	32·1	34·1	34·7
6*	35·1	35·8	36·0	35·8	35·7	35·6	35·5	34·8	34·4	34·6	35·2	35·8	36·1	36·7	36·3	35·9	35·3	35·4	35·2	34·9	34·5	34·2	34·2	34·4
7*	34·9	35·1	35·8	36·0	36·0	35·9	35·9	35·8	34·6	34·6	35·4	36·6	37·0	37·0	36·5	36·4	36·4	35·6	35·1	34·4	34·4	33·7	34·1	34·5
8*	34·8	35·2	36·0	36·7	36·8	36·5	36·3	35·9	35·0	35·0	35·0	35·7	36·3	37·3	37·4	37·0	36·8	36·5	36·3	35·9	35·3	34·5	34·0	33·0	34·9
9*	34·8	35·3	35·8	35·9	36·2	36·2	36·2	35·9	35·4	35·3	36·0	36·6	36·9	37·1	36·7	36·7	36·3	36·1	35·9	35·6	35·2	34·6	33·6	34·2
10*	34·6	35·0	35·5	35·8	35·7	35·5	36·0	35·1	35·1	35·4	35·6	36·1	37·3	37·2	37·5	38·0	37·0	36·8	37·1	35·8	35·6	34·7	33·5	32·6
11	34·6	33·7	30·6	33·4	34·7	34·6	35·2	34·9	35·0	35·2	36·5	37·6	37·9	38·4	37·4	37·1	35·7	35·6	35·4	34·9	34·7	34·2	34·2	33·3
12	32·9	33·9	34·6	34·7	34·6	34·7	34·7	34·9	34·9	35·6	35·9	35·9	36·3	37·2	36·2	36·1	36·3	35·8	34·3	35·1	34·6	32·9	31·4	30·3
13	32·8	35·0	34·9	34·4	35·7	35·5	35·6	35·8	35·2	35·5	36·1	36·7	38·1	37·7	37·2	36·7	36·2	36·2	35·7	34·7	35·6	34·6	34·8	34·8
14	34·6	35·1	34·7	34·8	34·7	33·8	34·7	34·7	34·3	34·5	36·0	36·7	37·8	36·8	36·2	36·0	35·7	35·3	35·2	34·9	34·8	34·8	34·4	31·3
15	31·9	33·0	33·4	35·9	35·8	34·4	35·0	35·7	34·9	34·4	36·0	36·6	37·5	37·4	37·5	37·2	34·8	33·4	34·2	34·3	33·6	32·9	33·5	34·5
16	35·1	35·2	35·4	35·9	35·4	35·2	34·9	35·0	34·6	34·3	35·2	36·3	37·4	37·4	36·7	36·0	35·2	35·2	35·5	35·2	34·2	33·6	34·4	30·7
17**	27·7	33·2	26·8	32·7	32·0	33·6	34·6	37·2	39·7	38·1	38·0	37·4	37·7	39·6	36·3	38·0	35·0	35·5	35·1	34·7	34·3	33·1	24·2	31·3
18	28·7	33·8	36·2	32·3	33·2	32·8	33·8	34·2	34·0	34·0	36·1	37·1	38·0	38·2	35·7	36·1	35·7	32·5	34·8	34·6	29·3	33·7	34·2	33·3
19	32·0	33·7	35·3	34·9	34·9	34·2	34·2	34·4	35·2	35·3	37·0	36·6	37·2	37·2	37·3	36·3	36·3	35·8	35·8	35·2	32·7	34·1	34·1	34·1
20	33·6	34·5	34·6	34·1	34·5	34·0	35·0	33·9	34·0	34·5	35·1	35·9	36·8	37·5	37·0	36·1	35·5	35·3	35·4	35·3	33·9	34·6	34·1	34·9
21	34·8	34·3	35·2	34·9	34·7	34·2	33·9	33·9	34·0	35·7	35·0	37·5	36·9	36·6	36·0	35·5	35·8	35·5	35·8	33·4	32·9	32·1	29·5	31·3
22	32·2	27·2	29·3	32·2	33·4	33·7	35·4	34·6	34·8	35·4	36·8	36·7	37·8	37·1	36·5	36·4	37·3	36·3	36·3	35·8	34·2	32·3	30·5	29·8
23**	27·0	29·3	33·2	34·9	32·4	35·1	32·3	34·3	35·5	37·0	36·7	38·5	39·3	40·8	38·2	38·1	36·1	36·9	36·8	34·0	34·0	27·5	31·7	34·3
24**	33·7	33·3	33·6	32·9	33·1	34·2	35·2	35·0	34·9	35·9	35·8	36·5	37·5	38·0	37·5	37·7	34·4	36·0	31·3	32·7	34·0	31·6	32·2	30·8
25	33·7	34·7	35·1	34·1	34·4	34·4	34·4	34·7	35·3	36·6	36·3	37·4	37·4	37·3	37·4	36·9	36·9	36·6	35·6	32·2	33·5	34·8	33·1	31·6
26	30·7	37·4	34·2	34·6	34·2	34·4	34·4	34·9	34·1	35·4	36·6	38·3	39·6	38·3	37·5	35·7	36·1	36·2	36·1	35·7	35·2	34·2	33·4	34·0
27**	34·0	34·5	34·9	35·1	35·3	35·8	35·3	35·0	35·0	35·2	35·4	36·0	37·6	38·0	37·9	39·1	38·5	38·0	39·6	28·9	23·1	26·2	19·5	26·7
28**	28·3	26·9	23·4	24·0	25·9	29·1	31·2	31·9	32·9	34·8	36·5	37·7	39·7	39·8	37·7	36·7	36·1	36·1	36·1	36·2	35·2	35·2	35·0	35·4
29	34·5	36·0	34·9	34·5	34·7	34·9	35·0	34·7	34·9	35·1	35·4	36·4	37·9	37·8	36·7	35·9	35·4	35·4	35·2	35·2	35·2	35·0	35·0	35·1
30	34·8	35·2	35·3	35·4	35·4	35·3	35·3	35·3	36·5	36·5	37·5	39·5	39·9	39·6	37·6	36·4	34·9	34·9	34·6	34·8	34·2	33·2	34·3	35·0
31	35·1	35·3	36·2	33·7	34·1	34·8	34·3	34·2	36·2	39·8	39·1	38·4	37·4	37·3	36·3	35·3	34·9	34·3	34·3	34·4	34·7	34·7	35·2	35·4
Mean	33·2	34·1	34·4	34·5	34·6	34·7	34·9	35·0	35·2	35·6	36·3	37·0	37·7	37·8	37·0	36·6	35·9	35·6	35·3	34·5	33·6	33·3	32·8	33·3
Mean*	34·8	35·3	35·8	36·0	36·1	35·9	36·0	35·5	34·9	35·0	35·6	36·3	36·9	37·1	36·8	36·8	36·3	36·0	35·8	35·2	34·8	34·2	33·7	34·1
Mean**	30·1	31·4	30·4	31·9	31·7	33·6	33·7	34·7	35·6	36·2	36·5	37·2	38·4	39·2	37·5	37·9	36·0	36·5	35·8	33·3	32·1	30·7	28·5	31·7

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**	35·3	35·6	36·0	35·4	35·3	35·6	35·3	35·3	35·2	37·1	38·9	41·0	42·6	42·0	42·0	40·0	41·7	38·4	33·5	29·6	27·8	26·5	24·5	24·3
2**	22·6	22·3	24·0	30·6	37·0	36·6	38·5	36·6	35·1	35·1	37·1	38·3	39·8	40·9	40·7	38·6	37·5	38·1	39·4	36·8	33·6	33·3	33·6	34·4
3	35·8	35·8	35·6	35·7	35·3	35·0	34·4	34·4	34·9	35·9	37·5	39·8	40·5	37·7	36·7	35·5	35·7	34·9	33·1	33·8	32·1	31·9	32·4	33·2
4*	34·0	34·8	35·9	35·4	34·9	34·3	34·3	34·0	32·9	33·8	34·9	35·8	36·1	36·4	35·9	35·5	35·2	34·6	34·5	34·4	33·9	33·9	33·5	33·8
5	34·3	35·7	35·0	34·9	34·7	34·3	34·1	33·7	33·5	33·9	35·2	36·1	37·9	38·7	37·9	37·5	36·9	35·4	34·9	34·1	33·8	33·1	31·4	32·6
6	33·9	34·2	34·5	34·4	34·0	33·9	33·9	33·4	33·1	33·3	34·8	36·5	37·2	37·6	36·5	35·7	35·0	34·9	34·9	34·1	34·2	33·9	33·9	33·1
7	34·1	34·9	34·8	34·4	34·7	34·8	34·3	34·0	33·8	34·8	36·0	36·9	38·2	38·6	39·3	38·1	36·8	36·2	35·6	35·3	35·0	32·2	31·9	33·2
8	31·4	33·1	35·1	34·5	34·4	34·5	34·1	34·5	34·4	34·9	36·4	37·4	38·4	38·5	38·4	37·4	35·5	35·6	34·8	34·8	34·3	32·8	32·8	32·3
9	31·8	33·2	32·2	33 6	34 2	34·2	34·3	34·3	34·8	35·1	36·2	36·5	38·5	38·1	37·1	36·3	35·6	35·8	35·8	35·3	34·7	33·6	33·3	33·8
10	34·2	34·6	34·2	33·6	34·2	34·7	34·5	34·3	34·5	35·1	36·2	37·4	38·2	38·5	38·1	38·2	37·0	37·3	36·8	35·8	35·1	34·7	34·1	33·4
11*	34·2	34·2	34·5	34·2	34·7	34·7	34·8	34·2	33·6	33·8	35·2	36·5	37·1	37·1	36·8	36·1	35·5	35·1	35·0	34·8	34·6	33·7	34·1	33·3
12	31·3	31·7	33·1	33·4	33·4	33·1	33·4	33·3	33·1	34·3	35·9	37·1	37·8	37·5	37·0	36·7	36·1	36·7	36·3	35·4	34·5	34·0	33·5	33·0
†13**	33·1	33·0	33·8	32·8	31·8	33·0	32·5	32·5	33·8	33·8	34·8	39·3	—	—	—	—	—	—	36·1	30·3	28·1	21·1	23·6	20·8
14**	23·1	32·4	29·8	27·1	30·9	32·3	31·8	33·1	35·1	34·7	35·8	37·4	37·7	37·7	36·2	34·1	32·9	31·7	32·6	31·3	32·1	32·8	33·1	33·1
15	33·3	36·3	33·3	34·3	35·7	34·0	34·1	32·8	32·1	31·7	33·8	35·6	36·2	37·2	38·0	37·0	34·2	35·1	30·2	29·1	30·6	32·3	32·3	33·4
16	34·9	34·6	34·4	34·3	34·0	33·6	33·8	33·1	31·5	31·7	33·8	36·1	39·0	39·1	38·8	35·9	33·6	33·6	30·2	34·7	33·6	33·4	32·6	31·8
17	31·6	32·6	34·6	34·9	35·6	34·6	33·6	33·3	33·0	33·3	34·6	36·0	37·5	38·5	37·8	36·7	35·7	34·9	32·9	33·6	32·1	31·3	32·7	32·6
18	32·1	32·9	34·4	32·9	33·1	33·3	33·0	32·8	32·2	33·2	34·5	35·5	37·3	37·4	38·2	38·0	37·2	35·8	33·6	26·7	29·8	31·3	31·8	33·2
19*	33·3	33·3	34·4	35·3	34·3	33·8	33·8	33·4	32·5	32·5	34·3	35·5	37·1	37·9	37·0	36·0	35·7	35·4	33·3	34·3	34·0	33·5	33·4	33·7
20	33·8	34·1	34·4	34·1	33·5	33·2	32·7	32·4	31·5	31·5	33·9	35·1	35·8	36·2	38·6	38·6	36·8	36 o	31·6	28·6	30·4	29·6	29·2	27·8
21	32·7	33·8	30·3	32·8	33·2	32·3	33·7	32·7	33·0	33·0	35·5	38·8	38·0	39·2	39·1	38·4	34·0	32·1	35·7	35·3	30·7	28·9	30·7	32·5
22	33·6	31·1	31·7	35·3	33·3	34·3	34·3	33·6	32·9	33·1	34·6	35·6	35·7	36·4	36·4	36·4	35·5	35·1	32·9	32·3	32·4	33·3	33·3	33·0
23	32·7	33·2	33·3	33·4	33·3	34·0	35·4	34·0	33·2	33·3	34·6	37·2	38·2	39·2	39·4	37·4	36·6	35·6	34·4	34·1	34·1	32·8	28·5	29·2
24	30·3	30·0	32·1	33·2	33·5	33·6	33·6	33·3	33·4	33·0	35·0	36·6	38·4	39·9	40·8	38·9	38·6	35·9	32·0	33·6	31·6	31·0	30·4	30·1
25	30·8	31·5	28·3	29·0	29·3	30·2	31·2	32·6	33·8	35·0	35·9	37·3	39·0	39·8	38·6	36·0	35·8	36·1	35·8	35·6	34·8	34·2	33·8	33·2
26**	32·1	31·2	28·2	27·5	30·8	32·3	32·7	33·0	33·1	33·8	35·5	37·8	39·0	39·0	39·4	39·5	32·7	31·4	33·2	34·7	33·3	30·7	32·7	32·7
27*	33·6	33·6	33·6	33·2	33·6	33·6	33·6	33·2	32·6	32·9	34·3	35·6	37·1	37·2	36·5	35·5	34·5	34·5	34·0	33·7	33·2	33·0	33·4	33·2
28*	33·2	33·2	33·4	33·6	33·6	33·4	33·5	32·6	31·5	31·0	32·6	34·9	37·2	37·7	36·7	35·6	33·7	33·7	33·7	33·7	33·6	33·1	32·8
Mean	32·4	33·1	33·0	33·4	33·9	33·9	34·0	34·0	33·3	33·7	35·3	36·8	38·0	38·3	38·1	37·0	35·8	35·2	34·1	33·5	33·0	32·4	32·2	32·3
Mean*	33·7	33·8	34·4	34·3	34·2	34·0	34·0	33·5	32·6	32·8	34·3	35·7	36·9	37·3	36·6	35·7	34·9	34·7	34·1	34·2	33·9	33·5	33·5	33·4
Mean** 4 days	28·3	30·4	29·5	30·2	33·5	34·2	34·6	34·5	34·6	35·2	36·8	38·6	39·8	39·9	39·6	38·1	36·2	34·9	34·7	33·1	31·7	30·8	31·0	31·1

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day. † February 13 has been omitted in computing the means.

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

March. 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	33·4	33·7	33·2	33·3	33·5	32·9	32·9	32·6	31·9	32·9	36·3	39·8	43·4	42·9	40·9	38·9	36·8	35·3	33·9	32·9	34·2	34·2	34·3	33·6	
2	33·3	33·5	33·5	33·8	33·6	33·8	33·9	33·5	33·8	34·0	35·8	36·9	39·5	38·9	38·4	37·5	35·9	35·9	34·5	33·9	33·7	32·9	32·9	33·2	
3	33·7	33·6	35·7	34·2	32·8	32·8	32·6	32·1	31·8	32·3	34·8	37·1	38·7	38·3	37·8	33·8	33·5	32·9	29·8	27·8	30·8	31·8	32·4	31·2	
4*	32·4	35·8	34·8	34·1	33·4	32·9	32·8	32·0	31·7	31·8	33·4	35·7	36·8	37·8	37·1	36·1	34·8	34·1	33·7	33·2	32·8	32·8	33·1	33·4	
5	33·5	33·8	33·9	33·8	33·7	33·1	32·7	32·1	31·1	31·3	33·4	36·2	38·6	39·6	38·6	36·8	35·7	35·5	34·2	32·7	32·9	29·6	28·2	29·8	
6	31·8	32·1	31·6	31·3	32·2	31·8	32·5	31·7	30·7	31·3	33·7	36·1	38·5	38·9	38·4	36·8	35·1	34·2	34·3	31·4	30·7	31·0	30·7	30·7	
7	31·3	32·1	33·0	33·4	33·4	33·1	32·7	32·4	31·8	32·2	33·0	35·0	37·7	37·8	37·5	37·1	35·7	35·7	35·0	35·0	34·4	33·5	30·2	26·8	
8	28·0	29·7	29·4	29·9	30·6	30·9	30·6	31·3	30·7	31·2	32·9	34·2	36·9	36·9	37·1	37·1	35·6	35·0	35·0	35·7	35·0	34·0	31·6	31·5	
9	30·7	29·9	31·2	31·4	31·8	32·2	32·4	32·2	31·5	31·7	33·4	35·1	38·4	39·7	40·1	37·4	34·8	34·5	34·4	33·9	33·6	33·6	32·4	31·4	
10*	30·3	30·3	31·2	32·3	33·3	33·4	33·3	32·7	32·3	32·3	33·3	36·3	38·7	38·9	39·1	38·1	37·3	35·6	34·9	35·2	34·1	33·3	32·3	32·1	
11	30·3	30·6	32·6	32·7	32·6	32·7	31·9	31·5	32·2	33·2	36·2	37·2	40·1	40·1	40·8	39·6	38·1	35·5	34·6	34·5	34·3	34·1	33·9	33·3	
12	32·4	32·9	33·0	33·1	33·1	33·1	33·9	32·7	31·8	32·0	33·6	35·6	37·3	37·5	36·6	36·0	35·0	34·9	34·9	34·5	34·3	34·2	33·9	30·0	
13**	24·5	27·5	29·3	32·6	33·4	31·6	31·0	32·2	34·2	34·3	36·7	38·9	40·5	41·0	40·5	39·9	39·3	33·8	22·9	32·3	34·5	34·4	34·2	33·8	
14**	33·2	33·0	32·4	30·9	30·2	29·6	30·7	37·2	34·8	37·1	37·2	37·7	39·6	45·3	40·2	42·2	31·8	25·9	31·2	31·5	30·6	30·6	30·1	32·6	
15**	35·0	30·3	30·6	30·6	31·3	30·3	33·4	37·6	34·5	34·0	35·5	37·9	39·6	40·3	36·3	35·9	35·3	27·7	30·3	29·1	30·1	33·5	33·5	34·3	
16**	33·4	32·6	30·4	31·7	31·9	31·2	32·4	31·4	31·7	32·3	35·0	37·4	40·9	39·5	37·7	35·2	30·5	28·1	31·4	31·3	29·5	30·7	32·7	35·8	
17	34·1	32·6	32·1	32·3	32·6	33·1	32·6	32·2	31·3	32·4	34·6	36·9	37·7	39·0	36·1	35·0	34·2	33·2	32·7	33·2	31·9	27·5	30·7	33·9	
18	32·4	29·4	31·8	31·7	31·8	31·8	31·6	30·8	30·8	32·5	34·3	35·8	36·8	36·2	35·9	34·1	31·9	32·7	33·9	33·0	33·1	32·1	33·5	32·9	
19	32·2	29·0	31·3	32·0	32·0	31·0	31·6	30·0	30·0	31·4	35·0	38·2	40·1	39·1	37·4	35·5	34·1	33·6	33·1	31·1	31·1	29·7	29·4	31·1	
20	30·2	33·2	32·4	32·2	31·4	30·4	29·5	28·8	28·4	30·5	33·8	36·8	39·1	37·2	37·7	36·2	36·0	34·6	27·3	32·2	29·2	29·7	30·1	27·3	
21	30·3	31·3	32·2	30·8	31·3	32·3	32·8	32·2	31·2	31·3	34·2	38·3	39·4	40·9	41·3	38·7	37·7	31·6	31·2	33·3	32·9	31·7	28·4	24·4	
22	26·1	32·5	34·0	30·7	30·6	30·0	29·5	29·8	29·1	29·5	32·2	35·2	37·1	37·5	36·2	34·7	33·6	33·6	33·7	33·2	32·6	32·0	30·0	31·3	
23	32·5	32·3	33·8	33·1	32·6	32·3	31·7	30·3	29·1	29·6	32·0	35·6	37·9	39·2	38·7	37·1	35·1	33·7	33·0	32·9	32·4	30·7	32·4	31·0	
24	30·4	29·9	31·7	30·7	30·7	31·7	32·5	30·7	29·7	30·5	33·4	38·0	40·7	42·2	42·3	41·8	38·9	36·8	34·3	33·7	27·9	26·7	29·0	28·9	
25	29·2	29·7	29·8	31·3	31·8	32·2	32·4	32·1	31·8	31·2	34·4	37·6	38·9	40·4	39·8	37·5	36·1	34·4	33·8	33·3	33·2	31·9	31·6	32·3	
26	31·9	30·5	31·3	31·9	32·0	32·5	31·9	30·5	30·4	30·7	33·4	35·0	36·9	37·9	39·4	38·9	36·9	35·4	34·6	34·0	32·3	30·9	29·9	29·9	
27*	30·7	31·0	31·8	31·3	32·0	31·8	30·7	29·2	28·9	30·7	32·8	35·8	37·6	37·6	37·1	35·7	34·1	33·7	33·7	33·4	32·4	32·2	33·1	32·6	
28*	32·4	32·2	32·2	31·9	31·9	32·0	31·7	30·1	29·0	30·4	33·8	37·4	38·6	37·9	36·1	35·0	34·5	33·7	33·6	33·8	33·9	33·6	32·6	32·2	
29*	31·8	31·3	31·6	31·6	31·6	31·6	31·2	29·6	29·1	30·0	32·8	36·3	38·6	38·3	36·9	34·6	33·3	32·7	33·2	32·9	32·8	32·9	33·1	32·9	
30**	32·5	32·5	32·5	32·5	32·5	32·4	31·7	30·4	29·9	31·5	35·0	37·4	39·4	43·6	43·3	37·4	36·0	35·1	34·6	33·4	31·9	25·8	28·0	31·4	
31	33·3	33·1	32·3	32·3	32·8	32·3	31·3	30·3	29·8	31·3	33·3	36·5	39·0	38·8	38·6	35·3	33·8	33·9	33·3	33·1	32·3	32·5	32·8	32·8	
Mean	31·5	31·7	32·2	32·1	32·2	32·0	32·0	31·7	31·1	31·9	34·2	36·7	38·8	39·3	38·5	37·0	35·2	33·7	32·9	33·0	32·4	31·8	31·7	31·6	
Mean*	31·5	32·1	32·3	32·2	32·4	32·3	31·9	30·7	30·2	31·0	33·2	36·3	38·1	38·1	37·3	35·9	34·8	34·0	33·8	33·7	33·2	33·0	32·8	32·6	
Mean**	31·7	31·2	31·0	31·7	31·9	31·0	31·8	33·8	33·0	33·8	35·9	37·9	40·0	41·9	39·6	38·1	34·6	30·1	30·1	31·5	31·3	31·0	31·7	33·6	

April. 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	32·6	32·8	32·3	32·3	32·2	31·4	30·3	28·8	28·4	29·0	31·3	34·3	36·8	37·9	37·3	35·8	34·3	33·3	31·9	30·8	32·2	32·2	32·4	32·8	
2*	32·8	33·0	33·0	32·8	32·6	32·1	30·7	28·2	27·2	28·2	31·1	34·7	38·2	39·4	38·8	37·2	35·2	33·6	33·2	32·9	32·8	32·9	33·2	33·2	
3	32·9	33·0	33·1	33·0	32·4	31·9	30·2	28·1	27·2	29·2	32·3	36·1	38·1	38·4	37·6	36·1	34·1	33·1	33·1	33·2	33·2	33·2	33·3	33·3	
4	33·0	33·0	31·4	31·7	31·9	31·0	30·0	28·9	27·9	28·9	31·9	35·9	39·1	40·1	39·9	37·1	35·0	33·6	32·8	32·5	32·8	32·3	29·8	32·1	
5	32·2	32·6	32·2	31·7	31·5	30·8	30·1	28·5	27·7	28·7	32·0	35·4	37·7	38·7	38·2	36·2	34·3	33·7	33·6	33·4	32·9	32·9	33·0	31·9	
6*	31·2	31·9	32·5	32·2	32·4	32·0	30·8	29·5	29·0	29·5	31·5	33·9	37·4	38·8	37·7	36·4	35·4	34·7	34·3	33·7	33·3	32·8	32·7	32·8	
7*	32·8	32·7	32·6	32·8	32·7	32·8	31·8	29·6	28·1	28·4	29·8	33·2	37·3	39·0	38·5	36·6	34·9	33·7	33·6	33·2	32·2	32·0	31·3	31·3	
8	31·1	31·5	31·3	31·3	30·1	30·3	30·5	29·5	28·5	28·9	31·8	35·4	39·0	40·8	40·2	37·6	36·8	34·7	33·9	33·9	33·4	33·1	31·5	30·2	
9**	31·7	32·3	34·5	30·1	28·1	33·7	34·9	32·8	35·3	34·1	35·4	38·1	41·1	42·7	41·7	39·6	35·4	33·2	31·7	31·7	32·1	32·2	32·1	31·7	
10**	31·8	31·5	31·4	31·6	31·7	31·3	29·9	28·2	27·3	27·8	31·0	34·0	40·5	42·7	46·2	43·8	39·8	40·0	34·0	33·1	26·3	26·5	27·9	29·5	
11**	28·6	25·6	32·0	26·3	27·9	28·3	29·1	30·6	30·4	33·3	36·6	40·1	40·7	40·3	40·5	34·7	36·7	32·7	28·3	27·0	30·8	32·0	28·7	25·9	
12**	27·3	33·6	29·6	30·8	30·7	31·6	34·0	30·7	29·5	30·8	34·0	36·7	39·4	39·0	40·2	38·7	32·1	33·2	32·7	29·0	27·7	28·5	32·7	32·5	
13**	33·3	33·7	38·5	35·6	31·1	33·5	30·7	29·6	29·5	31·4	34·6	37·4	40·2	41·5	38·6	35·3	33·0	29·9	30·0	32·3	31·5	34·1	32·5	31·3	
14	31·8	34·0	32·8	31·4	31·0	30·8	29·9	28·8	29·4	30·9	33·5	36·7	38·6	38·2	36·4	35·4	33·5	31·2	30·9	31·4	29·7	30·3	31·7	32·0	
15	31·7	31·4	32·4	32·3	30·4	31·5	29·9	28·4	27·5	28·6	31·3	34·6	36·6	37·3	36·4	35·0	34·4	33·7	33·1	32·9	32·5	32·6	32·5	32·5	
16	32·2	32·0	31·6	31·6	31·2	30·5	32·7	31·0	28·2	29·2	31·8	33·6	35·5	36·6	36·5	36·2	34·7	32·1	32·2	31·8	32·1	32·0	30·6	27·6	
17	28·0	31·5	31·2	30·5	29·1	30·9	29·8	28·5	27·8	30·0	31·1	33·7	36·5	38·3	38·3	37·5	34·6	34·1	33·4	32·6	32·1	32·4	32·1	32·1	
18	32·1	31·8	30·7	30·9	31·8	29·3	29·3	27·3	26·4	27·5	31·1	35·0	36·4	38·2	38·1	36·4	35·4	33·5	32·4	32·0	29·3	28·4	30·5	32·9	
19	31·0	30·8	31·2	31·5	31·7	31·1	29·9	28·9	28·1	29·4	31·0	34·3	36·0	38·2	37·6	35·4	34·6	33·2	32·1	31·7	29·6	29·6	29·2	29·3	
20	30·0	30·2	31·2	31·7	31·5	31·3	30·1	28·2	27·0	27·8	30·8	34·2	36·9	38·3	37·3	35·8	34·2	33·1	32·3	31·8	31·8	32·2	31·7	31·3	
21	31·4	32·1	31·0	29·8	29·8	29·0	28·4	28·0	28·3	29·9	32·4	34·9	37·3	37·4	37·0	36·3	35·0	33·5	32·6	32·4	29·9	30·6	31·2	31·4	
22	31·1	31·5	31·0	30·5	30·1	29·3	28·2	27·0	27·1	29·1	32·1	35·1	37·9	38·5	37·1	36·0	34·9	33·7	33·0	32·9	32·1	31·1	32·1	32·1	
23	32·0	32·1	32·4	32·1	32·0	31·2	29·5	28·0	27·7	29·5	32·5	36·0	38·2	37·0	36·3	35·0	33·6	32·3	32·0	32·3	30·8	27·2	26·3	29·7	
24	31·4	30·8	32·0	30·4	29·8	29·7	29·0	28·0	27·7	28·9	31·4	34·3	37·0	37·4	36·1	34·2	33·9	33·3	32·6	32·1	32·0	29·9	31·0	30·4	
25	30·6	30·5	30·2	31·7	27·9	27·9	28·4	28·0	28·0	29·5	32·1	35·9	38·3	38·8	37·0	35·0	34·0	32·9	32·4	32·1	32·2	32·4	32·4	32·0	
26	31·9	31·6	31·5	31·3	30·5	29·9	29·9	28·8	28·8	29·9	30·9	33·2	35·5	36·8	36·4	34·9	33·9	32·9	32·0	32·0	32·2	30·1	29·6	30·2	
27*	31·1	30·0	30·2	30·2	29·5	28·9	27·9	27·5	27·5	28·7	29·9	31·3	33·5	34·9	34·9	34·7	34·5	33·9	33·0	32·7	32·6	32·6	32·2	31·9	
28*	31·6	30·8	31·0	30·2	29·8	29·4	29·2	28·9	29·4	30·2	31·8	34·0	35·6	35·7	35·0	34·8	34·3	33·8	32·8	32·5	32·7	32·7	32·4	32·1	
29	32·0	31·8	31·6	30·9	30·3	29·8	29·7	29·4	29·8	31·7	33·5	34·8	36·3	36·9	36·8	35·9	35·1	33·9	32·8	32·3	32·1	32·1	32·2	32·0	
30	31·5	31·4	31·2	31·0	30·7	30·4	29·4	28·7	28·5	30·6	34·0	38·0	40·4	40·7	39·2	36·8	35·5	33·8	33·2	33·2	33·0	32·3	32·2	32·2	
Mean	31·4	31·7	31·9	31·3	30·7	30·7	30·1	28·9	28·4	29·7	32·2	35·2	37·7	38·6	38·1	36·4	34·8	33·5	32·5	32·2	31·6	31·4	31·4	31·3	
Mean*	31·9	31·7	31·9	31·6	31·4	31·0	30·1	28·7	28·2	29·0	30·8	33·4	36·4	37·6	37·0	35·9	34·9	33·9	33·4	33·0	32·7	32·6	32·4	32·3	
Mean**	30·5	31·3	33·2	30·9	29·9	31·7	31·7	30·4	30·4	31·5	34·3	37·3	40·4	41·2	41·4	38·4	35·4	33·8	31·3	30·6	29·7	30·7	30·8	30·2	

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

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

	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.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1**	31·9	31·6	31·5	31·2	30·2	29·5	28·1	27·1	26·8	28·1	32·0	36·0	39·6	42·2	41·6	40·1	38·0	34·6	33·3	33·6	31·3	31·9	29·6	14·0	
2**	18·9	19·7	18·0	27·2	28·1	27·0	25·6	25·8	26·7	29·5	33·1	36·0	37·2	37·4	36·2	34·4	32·9	31·9	30·9	30·5	31·3	31·9	32·9	32·3	
3	31·8	31·8	31·7	31·3	30·7	29·2	28·2	28·0	28·2	29·2	32·2	35·8	37·7	37·0	36·3	34·7	33·6	32·4	32·3	32·0	31·9	31·8	31·7	31·5	
4	31·8	31·6	31·4	31·2	30·2	29·2	28·2	27·8	27·7	28·8	31·1	34·1	36·0	36·6	35·4	33·9	32·9	31·9	31·8	31·7	31·4	30·9	30·9	31·1	
5	32·2	31·6	31·4	30·9	30·1	29·2	28·0	27·6	28·1	30·1	32·7	35·1	37·1	37·6	36·0	34·8	33·8	32·8	32·8	32·5	32·2	32·2	31·6	31·5	
6*	32·3	31·3	31·7	31·5	30·8	30·2	29·3	28·2	28·0	29·3	31·2	33·9	35·4	36·7	36·3	35·1	34·0	33·0	32·4	32·2	32·1	32·1	31·9	31·8	
7	31·5	31·5	31·4	31·0	30·2	28·9	28·5	28·0	27·4	27·5	29·7	34·2	36·5	37·1	36·5	35·7	34·2	33·4	32·5	32·6	32·6	32·3	32·1	31·9	
8*	31·6	31·6	31·6	31·1	30·1	29·8	29·3	27·2	27·1	27·6	29·4	33·0	35·7	36·7	36·6	35·2	34·1	33·2	32·8	32·6	32·6	32·4	32·4	31·9	
9*	31·5	31·2	31·1	30·7	30·4	29·8	29·5	29·5	29·2	30·0	31·4	33·6	35·8	36·4	36·2	35·0	33·8	33·1	32·6	32·3	32·3	32·6	32·5	32·0	
10**	31·4	30·9	30·9	30·6	30·5	30·0	28·5	27·6	28·1	29·6	30·9	32·9	36·2	36·4	35·9	35·6	36·4	37·0	33·1	32·9	28·8	26·3	28·4	25·7	
11	23·4	25·4	27·2	28·1	27·3	26·0	26·4	27·1	27·7	29·6	32·2	34·7	35·0	35·2	36·2	34·6	34·3	34·0	31·5	31·1	32·2	31·8	31·0	28·2	
12**	27·1	28·1	28·1	28·1	27·4	28·4	28·8	29·5	29·7	31·4	33·5	36·1	37·1	37·2	36·2	34·6	33·6	32·7	32·1	32·0	31·9	28·4	28·0	29·4	
13	30·9	30·1	31·7	28·6	27·6	27·9	27·6	27·4	27·9	28·9	32·7	34·9	36·8	37·0	35·9	34·9	34·8	33·9	32·8	32·5	32·5	32·0	31·7	31·1	
14	30·1	32·8	32·8	30·8	29·8	28·7	28·5	27·5	26·6	28·2	30·2	32·5	34·5	35·4	35·5	34·5	33·4	32·3	31·3	31·3	31·4	31·4	31·3	31·4	
15	31·3	31·4	31·3	30·9	30·4	29·0	27·5	26·9	27·3	29·3	32·9	35·7	37·4	37·4	36·3	34·5	33·6	32·7	32·2	31·7	30·8	30·6	29·7	28·7	
16	31·1	30·7	27·7	29·1	29·3	28·8	32·7	33·2	30·5	32·6	34·8	38·0	38·2	40·1	38·1	36·1	34·1	32·1	31·1	31·1	31·1	30·9	31·1	30·4	
17	30·0	30·1	30·7	30·4	29·4	27·6	26·0	26·0	26·3	28·7	31·7	35·0	36·8	36·7	35·8	34·4	33·0	31·6	30·8	31·0	31·3	31·2	31·5	31·6	
18	31·5	31·2	31·1	30·7	29·9	27·9	26·4	26·0	27·0	28·8	30·6	32·6	35·1	36·3	35·7	34·0	31·8	30·8	30·7	31·2	27·6	24·3	25·0	23·7	
19	23·6	25·7	28·1	30·0	28·7	26·7	25·6	25·3	26·1	27·8	30·9	34·8	37·0	37·8	36·5	35·1	34·7	32·9	31·8	31·0	29·9	31·0	28·4	29·9	
20**	30·0	28·3	28·5	38·3	31·2	29·4	32·0	36·5	34·1	29·6	34·1	36·8	38·0	38·1	37·6	34·5	34·5	33·9	32·7	31·2	30·6	29·7	28·0	27·6	
21	28·0	29·0	30·3	30·3	29·3	28·3	26·7	25·2	24·3	26·0	28·5	31·3	33·1	34·6	36·2	35·6	35·0	33·8	30·8	30·9	30·7	30·7	28·7	26·9	
22	27·2	28·2	30·3	31·4	28·1	27·2	27·3	27·3	27·5	28·3	29·2	31·3	34·3	34·9	34·3	33·8	32·3	31·3	31·1	30·7	29·5	29·7	30·4	30·7	
23	30·5	30·4	29·8	29·9	29·3	29·3	28·8	27·7	27·8	29·3	31·9	34·7	36·0	35·7	35·3	34·2	33·5	33·3	31·8	32·3	31·3	31·6	30·6	29·9	
24*	30·4	30·3	29·9	29·8	29·5	29·5	29·3	28·4	28·3	30·3	32·9	35·8	38·4	37·6	35·8	33·8	32·3	31·8	31·6	31·5	31·8	31·7	31·6	30·7	
25*	30·5	30·2	28·9	29·0	28·0	27·1	26·7	26·3	26·2	27·3	29·1	31·7	34·4	36·0	36·2	34·2	32·8	32·4	31·9	31·5	31·6	31·8	31·4	31·4	
26	31·0	30·5	29·6	29·3	29·1	28·2	28·0	26·6	27·0	29·0	32·0	35·4	37·4	37·3	36·0	34·0	33·5	32·6	31·9	31·5	31·0	31·0	32·0	32·0	
27	31·5	31·1	31·0	30·3	28·8	28·3	28·0	27·1	28·0	30·0	32·7	32·7	34·5	36·9	36·2	34·7	33·6	32·2	32·2	32·2	32·0	31·2	31·3	31·1	
28	31·1	30·9	30·7	30·4	29·3	27·8	27·3	26·7	26·9	28·3	30·2	32·7	34·5	34·9	34·8	33·9	32·9	32·1	31·7	31·8	31·6	31·8	31·7	31·3	
29	30·9	31·1	30·6	30·4	29·4	29·0	28·7	27·9	28·0	30·3	33·3	36·0	37·6	37·6	36·6	34·6	33·1	32·5	31·7	31·7	31·1	32·1	32·2	31·7	
30	31·3	30·8	30·5	29·8	28·2	26·8	26·3	26·7	28·7	30·3	33·2	35·8	37·4	36·7	36·2	34·2	32·1	30·9	30·9	31·7	31·6	31·9	32·1	30·9	
31	30·8	30·8	30·8	30·7	31·6	31·5	29·6	28·6	28·2	29·2	31·5	34·3	35·7	36·6	36·7	35·0	33·5	32·3	31·2	29·9	30·6	31·1	31·3	31·3	
Mean	29·9	30·0	30·0	30·4	29·5	28·6	28·1	27·8	27·8	29·1	31·7	34·4	36·3	36·9	36·3	34·8	33·8	32·8	31·9	31·7	31·3	31·0	30 7	29·8	
Mean*	31·3	30·9	30·6	30·4	29·8	29·3	28·8	27·9	27·8	28·9	30·8	33·6	35·9	36·7	36·2	34·7	33·4	32·7	32·3	32·0	32·1	32·1	32·0	31·6	
Mean**	27·9	27·7	27·4	31·1	29·5	28·9	28·6	29·3	29·1	29·6	32·7	35·6	37·6	38·3	37·5	35·8	35·1	34·0	32·4	32·0	30·8	29·6	29·4	25·8	
June.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1*	31·0	31·4	31·7	31·8	29·8	27·7	25·8	24·2	24·5	26·9	30·0	33·8	35·8	36·2	36·1	34·5	32·9	31·7	31·2	30·8	30·8	31·0	30·9	31·3	
2*	31·4	31·3	31·0	31·0	29·4	27·8	26·5	25·3	25·4	26·8	30·4	34·1	37·1	37·6	37·0	35·3	33·9	32·1	31·0	30·3	30·1	30·6	30·8	31·0	
3	31·2	31·2	31·1	31·0	29·0	27·8	26·3	25·9	25·5	26·5	29·7	33·7	36·0	36·9	36·9	35·7	34·0	32·4	31·6	31·4	31·1	31·1	30·9	30·8	
4	30·5	30·6	31·0	31·3	31·4	28·5	26·4	24·9	24·6	26·5	31·5	35·6	37·6	39·2	39·0	37·6	35·6	33·3	32·2	30·2	28·4	28·6	30·6	30·4	
5	30·3	30·3	29·7	29·3	28·5	27·4	25·1	23·8	23·9	25·8	30·1	33·5	37·0	38·2	36·9	35·7	34·3	33·7	33·3	33·1	32·3	31·9	31·4	30·9	
6	30·3	30·4	29·8	29·4	27·9	26·0	24·8	24·2	25·3	29·2	32·3	35·1	37·0	38·9	39·3	37·8	35·8	33·9	32·3	31·7	30·5	30·7	29·3	30·0	
7**	29·5	29·4	30·1	29·9	28·4	26·9	26·3	26·0	27·9	29·2	31·4	34·8	39·2	40·3	40·3	38·9	37·2	35·5	31·7	27·8	25·8	25·0	24·2	20·4	
8**	13·0	16·2	17·8	24·0	24·2	24·0	23·2	23·6	26·1	29·6	31·2	33·3	36·1	38·1	38·6	38·5	37·8	36·4	34·8	33·2	32·2	31·2	29·7	28·7	
9**	27·5	25·9	27·2	27·3	26·4	26·1	24·3	24·2	25·4	26·2	29·7	33·1	37·7	39·9	38·2	35·9	36·6	38·6	35·2	29·2	31·2	30·2	30·2	33·2	
10**	27·3	26·5	27·2	27·4	29·2	28·8	27·3	29·3	28·7	30·4	32·6	33·7	36·3	36·6	36·4	35·9	33·8	34·3	30·4	30·3	31·3	31·6	31·4	31·3	
11	30·8	30·4	29·4	27·1	28·7	26·6	26·3	26·5	28·0	29·4	31·6	33·8	35·5	36·5	36·2	34·5	33·5	35·5	30·4	31·9	30·9	31·4	31·0	29·9	
12	29·6	30·1	29·9	29·5	28·2	27·0	26·4	26·7	28·6	30·2	32·6	34·6	36·0	35·6	34·2	32·9	32·9	31·0	31·6	30·6	28·1	29·7	30·7	31·7	
13	26·3	27·7	28·6	28·0	28·3	26·1	26·0	26·6	27·7	30·4	33·8	36·0	37·2	37·2	36·2	34·4	33·2	33·1	30·7	31·0	31·3	31·7	30·2	29·7	
14	32·3	29·7	29·8	29·8	27·9	26·8	26·2	26·5	27·7	29·4	31·2	33·3	34·1	34·5	34·2	34·2	33·4	32·6	32·1	31·2	30·8	30·6	30·1	29·5	
15*	29·7	29·4	29·0	28·8	27·8	26·6	25·8	25·6	25·8	26·9	29·5	31·8	33·8	35·2	35·5	34·7	32·9	32·0	31·3	30·8	30·8	30·6	29·9	30·1	
16*	29·6	29·5	29·6	29·3	28·2	26·3	25·6	25·2	25·9	27·9	31·2	34·9	37·0	36·0	35·0	33·9	33·0	32·6	32·0	31·6	31·1	30·0	30·8	30·8	
17	30·7	30·0	30·0	29·6	27·6	26·1	25·2	26·0	27·3	30·4	33·0	35·5	37·2	36·4	36·0	35·0	33·9	32·9	31·9	30·5	27·6	27·3	26·9	29·1	
18**	28·6	28·2	27·5	27·0	22·8	25·4	22·5	23·6	25·4	26·1	28·6	32·2	36·0	39·0	42·7	42·3	40·9	36·1	32·3	31·9	23·2	25·5	23·9	23·3	
19	23·2	23·4	25·7	24·4	25·4	24·4	23·4	23·4	24·1	26·4	30·9	35·4	39·5	40·5	40·0	38·5	37·5	36·2	32·0	31·7	31·5	30·8	30·6	31·2	
20	29·2	27·6	27·6	30·6	30·9	29·3	28·3	27·6	28·1	28·6	29·6	32·4	35·4	36·6	35·6	33·9	32·7	32·2	31·3	29·8	31·4	31·6	31·6	29·7	
21	29·8	28·7	29·8	29·7	28·8	28·2	26·7	25·2	25·2	26·7	29·0	31·0	32·9	35·6	36·8	37·3	35·9	32·9	30·2	30·3	30·9	31·1	31·4	31·2	
22	31·0	30·9	30·9	30·7	29·0	26·4	25·0	23·9	24·3	27·1	30·1	34·1	37·1	38·1	38·1	36·9	34·8	32·2	31·0	30·6	30·7	30·8	30·3	30·2	
23	29·8	30·0	29·9	29·4	27·5	25·3	24·9	24·7	25·1	26·9	29·5	32·8	35·9	37·2	36·1	33·9	32·0	29·7	29·5	30·2	30·6	30·6	31·0	29·7	
24	29·7	29·8	29·8	30·1	28·0	26·8	26·2	24·9	24·8	26·5	29·4	32·5	35·5	36·9	36·6	34·6	32·2	30·9	30·3	30·5	31·0	31·9	31·5	31·1	
25*	30·2	29·7	29·3	29·1	27·6	26·6	25·6	24·8	25·6	28·5	31·7	34·1	36·6	37·2	35·4	33·4	31·2	30·7	30·6	30·4	30·2	31·0	30·6	30·7	
26	29·1	29·4	28·4	28·2	27·3	25·6	25·3	25·8	26·5	28·9	31·1	33·8	35·5	36·0	36·1	34·4	32·3	30·7	29·9	30·1	30·1	30·5	31·0	31·5	
27	31·4	29·0	26·0	26·0	25·1	24·7	25·7	25·6	26·3	29·4	32·6	34·0	34·7	35·2	34·6	34·1	32·7	30·8	30·6	30·8	30·9	31·1	31·1	30·7	
28	30·4	30·4	29·6	29·4	27·4	25·3	25·3	25·5	27·3	30·3	33·4	35·8	37·6	37·6	36·4	34·3	31·2	30·2	29·8	29·4	30·5	31·7	30·6	29·8	
29	31·6	31·8	28·2	27·2	25·7	24·7	24·3	23·8	25·3	28·2	31·1	34·0	35·6	35·7	35·3	33·5	31·9	29·7	28·5	30·2	31·3	29·2	29·8	30·7	
30	30·6	32·1	30·0	29·7	27·2	25·0	24·8	25·2	27·0	29·7	32·6	34·6	36·3	37·2	35·1	33·8	32·2	31·4	30·6	27·3	28·1	29·6	30·2	30·0	
Mean	29·2	29·0	28·9	28·9	27·8	26·5	25·5	25·3	26·1	28·2	31·1	33·9	36·3	37·2	36·8	35·5	34·1	32·5	31·3	30·6	30·2	30·3	30·1	30·0	
Mean*	30·4	30·3	30·1	30·0	28·6	27·0	25·9	25·0	25·4	27·4	30·6	33·7	36·1	36·4	35·8	34·4	32·8	31·8	31·2	30·8	30·6	30·6	30·6	30·8	
Mean**	25·2	25·2	26·0	27·1	26·2	26·2	24·7	25·3	26·7	28·3	30·7	33·4	37·1	38·8	39·2	38·3	37·3	36·2	32·9	30·5	28·7	28·7	27·9	27·4	

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

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

	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	30·5	30·1	30·8	30·5	28·6	26·9	26·0	25·9	26·7	30·4	35·1	39·1	41·2	41·1	39·7	37·5	34·9	32·1	30·5	30·5	30·5	30·5	30·5	30·5	30·5
2	28·8	28·4	27·5	28·6	30·1	25·9	24·5	25·3	25·1	27·1	30·5	34·2	36·5	37·0	36·2	34·2	33·5	32·0	30·5	29·3	29·6	30·3	29·6	29·8	
3	29·4	29·7	29·3	28·2	27·1	25·8	24·8	24·5	25·3	27·8	31·1	34·4	36·4	36·3	34·9	34·6	33·6	31·8	30·6	30·2	30·1	30·5	30·7	29·9	
4	30·0	29·7	29·4	28·7	27·1	25·0	23·9	24·1	24·5	26·4	30·4	33·6	36·5	37·2	36·2	34·1	32·1	30·8	30·2	30·2	30·3	30·4	30·4	29·9	
5*	29·8	29·6	29·4	29·0	28·2	26·9	26·2	25·8	25·5	25·9	28·5	31·4	34·1	36·5	37·5	36·4	34·6	32·7	31·5	30·8	30·6	30·5	30·0	29·7	
6*	29·8	29·6	29·8	29·6	27·8	25·8	25·0	24·0	23·3	23·3	26·1	30·3	33·9	36·5	37·5	36·0	34·1	32·2	30·7	30·1	30·1	29·2	29·4	29·8	
7	29·5	29·1	29·1	29·1	29·0	27·8	26·2	25·3	24·9	26·9	29·6	32·9	35·9	37·9	38·0	36·9	34·8	32·8	31·8	31·0	31·0	31·3	26·6	26·4	
8**	27·7	27·7	26·4	26·7	24·7	25·0	25·7	26·7	30·6	34·7	34·8	38·1	40·4	38·7	39·7	37·1	34·7	34·8	32·7	31·5	30·8	30·6	30·7	30 2	
9**	29·9	29·2	28·7	28·4	25·9	24·8	24·3	23·9	24·8	27·2	30·3	33·7	36·5	38·0	36·9	35 1	32·8	31·8	31·4	31·3	31·3	31·2	29·7	27·2	
10	27·1	27·9	28·1	27·6	27·3	26·9	26·0	26·0	27·2	29·0	32·4	34·9	35·5	36·0	35·8	34·0	32·0	30·0	30·2	30·0	29·0	30·0	30·1	29·5	
11	29·3	29·1	28·4	28·0	27·2	26·0	24·6	24·5	26·1	30·0	32·4	35·3	36·9	36·4	37·3	35·2	31·6	29·7	30·0	30·3	30·4	30·4	30·3	30·0	
12	29·4	29·1	28·4	27·1	25·3	23·1	23·4	23·8	25·1	28·3	30·6	32·8	34·5	35·1	34·1	33·0	31·4	30·0	29·5	28·8	28·6	29·2	30·0	29·5	
13	29·8	29·3	28·7	28·3	27·3	26·2	26·1	26·1	26·7	27·9	30·6	34·3	35·8	36·4	36·5	35·3	32·4	30·4	29·7	29·7	29·4	29·0	29·9	30·1	
14	30·2	28·5	27·5	26·9	26·5	24·8	23·5	24·1	27·2	28·9	30·9	33·6	36·9	37·7	36·8	34·6	32·1	31·2	30·6	29·6	29·7	30·1	29·2	25·1	
15	27·1	27·8	27·7	27·1	26·2	25·2	24·8	24·2	26·2	28·2	30·8	34·0	36·7	38·0	38·3	35·7	33·5	32·2	31·1	29·8	29·8	29·9	29·7	29·8	
16	29·7	29·4	27·8	27·1	26·7	24·9	24·6	23·6	25·3	26·6	30·3	34·7	36·4	36·1	35·7	34·6	32·2	30·6	29·5	29·5	29·5	29·6	29 6	29·8	
17*	29·5	29·7	29·0	28·0	26·5	25·3	25·1	24·9	25·7	28·3	31·5	35·4	38·1	38·1	36·7	34·1	32·0	30·7	29·8	29·3	29·4	28·9	29·4	29·5	
18*	28·4	27·7	26·8	26·8	26·2	25·3	25·0	24·4	24·6	24·9	26·7	30·9	34·8	36·4	36·0	34·6	32·5	30·0	28·9	29·3	29·0	28·5	28·7	29·1	
19	29·2	29·6	29·8	24·9	24·6	25·5	26·2	25·5	24·8	28·5	31·8	35·5	38·1	39·2	40·0	36·7	32·6	30·4	29·2	28·9	29·0	28·5	28·5	28·1	
20	26·6	26·4	26·7	26·9	26·4	25·4	24·9	24·4	23·6	24·6	27·8	31·4	34·8	36·1	35·3	32·9	31·7	30·3	29·9	29·7	29·3	28·9	28·8	28·4	
21	28·2	28·3	28·2	28·1	27·3	26·3	25·4	25·2	25·7	27·2	30·7	35·7	37·2	37·2	35·9	35·6	34·5	32·5	31·2	30·5	29·6	29·8	30·2	30·1	
22**	29·1	29·1	28·5	28·1	28·4	30·1	26·5	24·9	29·1	27·3	28·6	31·9	34·9	36·7	35·2	33·1	32·8	30·5	29·5	30·1	31·2	31·2	27·0	25·1	
23	23·5	26·3	28·1	27·3	28·3	26·8	25·3	24·9	25·4	26·9	29·4	32·4	34·6	36·0	35·4	34·4	32·7	31·8	31·1	30·8	30·4	30·4	29·5	29·1	
24**	28·6	28·6	29·4	28·9	29·6	29·6	27·6	27·0	26·8	27·5	29·1	31·2	34·6	35·6	32·9	33·7	33·7	32·7	30·9	28·1	29·7	28·3	24·3	24·9	
25**	26·3	25·0	24·9	27·9	31·5	34·9	33·2	34·6	34·4	32·1	31·3	32·3	32·8	34·2	31·3	32·4	33·7	33·3	31·7	27·8	25·7	28·8	28·9	27·6	
26	28·6	27·8	28·5	29·7	27·9	26·8	26·3	25·8	25·8	26·9	28·0	29·8	31·2	31·8	31·3	30·4	30·5	29·8	29·8	29·6	29·8	29·4	29·2	28 9	
27	28·8	28·8	30·2	29·1	26·8	25·8	25·6	25·1	25·3	26·2	26·8	30·1	32·2	32·7	32·0	31·0	29·8	29·4	29·6	29·8	29·8	28·5	27·4	28·0	
28	28·6	28·9	28·9	28·8	27·9	27·7	27·3	26·4	26·9	27·7	28·9	31·0	32·6	34·3	34·2	33·2	32·1	31·0	30·0	29·5	28·4	28·2	28·9	29·5	
29	29·7	29·2	29·1	28·1	28·5	29·5	29·7	27·7	27·7	28·8	29·3	30·1	32·2	34·2	33·0	31·0	30·2	29·6	30·1	29·4	28·0	28·5	29·5	29·2	
30*	28·5	28·8	26·9	26·9	26·9	27·9	27·7	26·9	27·4	29·0	29·7	31·8	33·5	33·7	33·2	31·9	30·7	29·6	29·8	29·7	29·6	29·4	29·5	29·6	
31	29·5	29·4	29·0	28·0	27·5	26·4	25·5	25·0	25·6	27·3	30·1	32·3	33·4	33·5	32·6	31·2	31·2	30·6	31·3	31·8	31·2	30·8	30·1	29·5	
Mean	28·8	28·6	28·4	28·0	27·4	26·6	25·8	25·5	26·2	27·8	30·1	32·9	35·5	36·3	35·7	34·2	32·6	31·2	30·4	29·9	29·7	29·7	29·2	28·8	
Mean*	29·2	29·1	28·4	28·1	27·1	26·2	25·8	25·2	25·3	26·3	28·5	32·0	34·9	36·2	36·2	34·6	32·8	31·0	30·1	29·8	29·7	29·3	29·4	29·5	
Mean**	28·3	27·9	27·6	28·0	28·0	28·9	27·5	27·4	29·1	29·8	30·8	33·4	35·8	36·6	35·2	34·3	33·5	32·6	31·2	29·8	29·7	30·0	28·1	27·0	
August.	11° + Tabular Quantities.																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	27·7	25·9	26·5	28·1	27·4	26·1	26·1	28·0	28·3	29·4	31·6	33·1	35·0	36·0	35·3	33·7	32·1	30·7	29·9	30·5	30·3	30·1	30·0	29·9	
2	28·9	28·2	27·9	27·9	26·9	24·9	24·2	23·9	24·1	26·6	29·9	33·6	34·8	34·8	32·4	30·8	29·5	28·8	29·3	30·2	29·9	29·7	28·8	29·1	
3*	29·3	29·8	29·1	28·5	27·2	27·3	26·8	25·9	25·8	26·4	27·1	30·8	33·9	35·7	34·9	31·9	30·4	29·8	29·4	29·8	29·4	28·9	29·0	29·2	
4	29·1	29·0	28·5	28·0	26·8	26·1	25·0	25·0	25·7	27·4	29·8	32·1	33·6	33·8	33·4	32·0	31·1	30·4	30·0	30·1	30·4	30·1	29·5	29·2	
5	28·6	28·8	27·6	27·0	26·1	25·1	24·5	24·0	24·1	25·2	28·5	32·1	35·2	35·6	34·8	33·4	31·3	30·0	30·7	30·6	27·0	29·8	28·3	26·2	
6	26·0	27·4	27·6	27·2	26·8	25·6	25·2	25·6	26·0	28·0	30·8	33·3	35·2	35·1	33·9	31·9	31·3	31·4	31·9	31·7	30·7	29·4	29·7	29·3	
7	31·2	26·9	26·9	27·0	25·8	24·6	24·0	23·9	25·0	27·4	30·0	32·2	33·2	33·5	32·5	31·1	29·4	28·4	28·7	29·2	29·3	28·7	29·3	29·1	
8	29·2	29·1	27·6	27·2	26·7	25·6	25·4	26·0	26·9	28·4	31·0	32·7	34·0	33·9	32·5	31·1	30·1	29·5	29·5	29·7	29·4	29·7	27·0	28·5	
9	27·9	27·3	27·3	26·3	26·5	24·7	23·2	24·9	25·7	27·7	29·8	32·2	34·0	34·3	34·1	32·4	30·9	30·2	29·9	29·9	29·4	29·4	28·9	27·2	
10	27·3	27·5	26·0	27·3	26·5	25·7	25·6	25·6	26·6	29·0	31·8	32·8	33·4	33·8	33·3	31·9	30·9	30·2	29·5	29·6	29·7	29·4	29·2	27·1	
11	28·1	27·6	27·6	27·5	26·6	25·2	24·5	24·8	26·5	28·1	30·0	31·7	33·1	33·1	31·4	30·6	29·3	28·5	28·6	29·0	29·3	29·4	29·4	28·9	
12*	28·8	28·5	27·7	27·4	26·5	25·6	25·4	25·3	27·1	28·7	30·3	31·0	32·5	33·2	31·9	29·9	28·5	28·3	28·7	29·0	28·5	28·5	28·9	28·6	
13	28·4	27·5	27·4	27·8	26·8	25·4	24·5	23·8	25·3	28·3	30·7	33·0	35·3	36·4	36·3	33·9	31·6	29·9	29·2	29·2	28·7	27·3	26·6	26·6	
14*	27·4	28·0	27·9	27·2	26·7	26·1	25·6	25·1	25·9	28·8	31·7	34·1	35·2	35·0	34·0	32·0	29·7	28·1	28·1	28·9	28·9	28·9	28·6	28·1	
15	27·8	27·4	27·3	26·8	25·8	25·3	24·2	24·9	26·7	28·5	31·4	34·8	37·1	36·9	35·8	33·6	31·5	29·7	29·3	28·8	28·8	28·8	27·7	28·2	
16	27·9	27·8	28·9	27·3	26·1	23·9	22·7	22·7	24·5	26·7	30·3	31·4	34·0	34·9	34·8	32·9	30·4	28·9	28·3	28·4	24·4	27·3	28·1	28·2	
17*	28·2	28·2	27·6	26·7	25·8	25·7	25·4	25·6	26·0	27·5	30·1	33·4	35·7	36·6	35·6	33·6	31·1	29·5	29·0	29·1	28·6	28·4	28·1	27·9	
18*	28·1	28·2	28·1	27·7	27·2	26·9	25·9	24·5	24·0	26·1	29·6	34·2	36·8	36·7	34·8	32·8	31·0	29·4	29·1	29·5	29·2	28·8	28·4	28·0	
19**	27·8	27·9	27·4	27·3	26·8	25·9	24·1	23·0	23·3	25·7	29·9	35·0	37·4	37·8	35·4	33·2	31·4	30·2	29·3	29·0	28·8	27·3	23·7	25·0	
20**	24·6	25·6	25·5	25·0	25·8	26·6	27·4	24·9	28·9	29·1	31·4	33·0	34·6	35·6	33·8	32·5	30·8	28·9	29·5	29·5	27·9	26·7	27·0	27·6	
21**	26·6	23·4	26·1	28·7	26·3	25·3	26·6	27·3	28·2	30·1	32·6	33·4	34·7	34·2	32·2	31·8	29·8	28·3	29·2	29·2	29·3	29·8	27·3	26·3	
22	25·3	26·3	26·6	26·3	26·3	26·3	26·3	26·6	27·6	30·0	33·5	35·8	37·8	36·4	34·1	32·0	30·0	27·6	28·0	27·1	26·8	28·0	29·5	29·6	
23	28·5	29·9	24·4	25·9	27·0	27·0	25·9	25·6	26·9	28·9	29·2	31·6	33·2	33·5	32·9	31·3	29·1	27·8	27·6	27·6	25·9	26·9	27·5	28·2	
24	27·9	26·0	26·9	26·7	26·0	25·5	24·4	23·8	24·0	25·6	28·0	30·4	32·1	33·1	32·2	30·6	28·7	27·8	28·0	28·1	28·2	27·0	28·5	29·2	
25	29·2	27·5	22·6	21·9	21·7	23·2	22·4	23·8	25·8	27·1	28·1	30·1	32·6	33·7	32·8	31·0	29·1	28·4	28·3	28·5	29·0	29·1	29·1	28·7	
26	28·5	28·2	28·0	27·1	26·1	26·5	25·8	24·9	25·5	26·8	29·7	32·2	34·0	33·7	32·2	30·1	29·3	29·1	27·3	28·3	29·3	29·8	29·4	29·0	
27**	28·6	28·4	28·0	27·7	26·7	25·6	24·0	24·0	24·9	27·0	30·0	32·7	33·3	31·9	30·6	28·9	28·9	30·9	33·0	28·8	30·2	29·8	28·8	27·4	
28**	25·7	27·4	27·3	27·6	26·0	25·2	24·9	26·2	27·2	28·6	30·7	33·0	33·2	32·8	32·1	30·5	30·3	29·8	25·4	27·8	25·6	27·6	28·2	28·4	
29	28·5	28·5	28·6	28·8	26·5	25·5	24·1	23·6	24·7	26·9	30·4	33·7	34·8	34·9	34·0	31·6	29·6	28·7	28·6	28·6	28·6	28·6	28·6	28·6	
30	26·7	28·5	27·1	26·8	26·8	25·3	24·1	23·2	23·9	25·6	29·0	32·7	35·6	35·6	34·4	31·6	28·3	27·6	27·9	28·4	28·4	28·1	28·0	28·1	
31	28·5	28·4	29·4	29·4	27·5	25·7	24·3	23·7	24·9	27·9	30·5	32·8	34·7	34·4	32·9	30·6	28·8	28·0	27·7	27·9	27·6	27·0	27·9	28·5	
Mean	28·0	27·7	27·3	27·2	26·4	25·6	24·9	24·8	25·8	27·7	30·2	32·7	34·5	34·7	33·6	31·8	30·1	29·2	29·0	29·1	28·6	28·7	28·4	28·2	
Mean*	28·4	28·5	28·1	27·5	26·7	26·3	25·8	25·3	25·8	27·5	29·8	32·7	34·8	35·4	34·2	32·0	30·1	29·0	28·9	29·3	28·9	28·7	28·6	28·4	
Mean**	26·7	26·5	26·9	27·3	26·3	25·7	25·4	25·1	26·5	28·1	30·9	33·4	34·6	34·5	32·8	31·4	30·2	29·6	29·3	28·9	28·4	28·2	27·0	26·9	

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

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

September. 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	32·4	26·1	25·1	31·1	24·4	23·2	22·2	22·3	23·3	26·2	29·5	32·2	34·4	34·4	32·8	31·3	29·8	29·6	29·4	29·1	28·5	28·4	27·9	27·7	
2*	27·5	27·5	27·5	27·5	26·5	25·8	25·4	25·2	25·6	27·2	29·2	31·7	33·7	34·5	34·0	32·7	31·0	29·7	29·5	29·0	28·7	28·1	28·2	27·9	
3	27·7	27·8	27·7	27·8	26·1	25·7	25·5	24·7	24·9	26·9	30·2	32·9	35·8	37·3	35·9	33·3	30·7	29·5	28·8	28·8	28·7	27·5	28·2	27·9	
4	27·6	27·9	27·6	27·3	26·7	26·2	24·9	24·0	24·3	27·4	30·6	33·6	35·6	35·0	34·5	32·6	30·1	30·5	29·1	25·6	26·6	28·1	23·3	25·9	
5	26·9	27·5	26·8	28·1	23·5	23·5	23·0	23·2	24·0	26·3	29·4	32·1	33·7	34·4	32·9	31·3	30·4	29·4	29·4	29·7	27·4	25·9	25·5	26·0	
6	26·8	27·1	26·7	27·2	26·4	26·1	24·6	24·4	25·2	27·7	30·6	35·4	37·3	36·7	36·2	33·3	30·2	28·3	28·2	28·3	28·5	28·3	28·2	28·3	
7	28·4	27·8	27·2	28·2	24·2	23·8	23·1	23·6	24·7	27·1	31·5	34·4	36·5	35·4	33·0	30·4	28·4	28·1	28·8	28·9	28·9	28·9	28·6	28·6	
8*	28·2	27·6	26·8	25·8	25·5	25·8	25·6	25·4	26·3	27·4	29·8	33·0	33·9	32·9	31·0	29·5	28·3	28·1	28·8	29·2	28·9	28·5	28·5	28·3	
9	27·7	26·3	26·2	25·9	25·4	26·7	27·1	26·3	27·3	28·2	29·1	31·4	32·4	32·2	31·4	30·4	29·4	29·2	29·4	28·4	26·4	22·7	25·9	26·7	
10	27·4	26·6	27·9	27·4	25·6	24·9	24·3	24·4	25·2	28·0	30·0	33·4	34·9	34·0	32·4	29·5	29·3	29·1	28·2	23·4	27·4	28·2	24·7	25·7	
11**	23·6	22·1	23·2	22·7	22·0	24·5	24·8	27·9	27·4	27·4	30·4	33·4	36·3	41·4	33·0	34·4	32·0	33·2	20·4	23·9	22·4	26·4	19·4	23·0	
12**	31·1	25·5	21·1	19·8	31·5	31·7	22·0	20·5	22·0	24·5	27·9	30·5	31·4	31·3	30·2	28·6	26·7	26·6	26·8	26·8	24·6	25·8	26·4	26·0	
13*	26·1	25·7	25·7	25·2	24·7	24·8	24·7	24·0	24·6	25·8	27·8	29·8	31·9	32·5	31·9	30·5	27·9	27·2	27·8	27·8	27·3	27·1	27·0	27·0	
14	27·0	27·1	27·3	26·7	26·3	25·7	25·1	24·4	25·4	27·3	30·1	32·1	34·2	34·9	33·2	30·6	28·8	28·6	28·6	28·3	27·2	24·2	24·3	25·7	
15	28·4	27·0	26·8	27·1	27·0	26·7	25·4	25·4	27·1	29·2	32·5	36·5	37·7	35·8	34·5	31·5	29·5	29·7	30·0	28·4	26·5	25·8	23·8	20·9	
16	26·3	27·2	27·3	28·6	24·9	24·6	23·2	24·7	28·1	29·2	32·7	34·7	36·6	37·1	34·8	32·1	31·5	30·8	28·9	27·4	24·5	26·2	22·6	20·4	
17	25·6	26·5	20·4	22·8	24·6	28·9	27·0	29·1	29·9	30·9	32·4	35·4	35·9	35·7	36·1	32·4	28·7	27·7	26·6	24·6	24·6	24·9	26·2	26·4	
18**	29·2	24·6	24·9	25·1	26·9	26·8	28·6	29·3	31·2	31·6	32·8	35·6	35·6	35·9	32·2	30·6	29·6	28·6	28·6	28·4	27·6	25·3	23·4	23·6	
19	23·5	23·5	31·5	27·7	27·4	28·8	31·7	30·4	27·8	29·7	30·6	32·4	32·5	32·8	31·3	29·9	28·9	28·1	27·7	24·2	25·6	22·5	20·2	18·6	
20	22·3	24·6	24·2	25·4	24·6	24·7	24·3	24·0	24·0	26·2	27·1	29·9	31·6	32·0	30·8	28·7	27·6	27·7	28·0	28·0	27·9	28·0	27·7	27·9	
21*	27·0	26·3	26·1	26·0	25·6	25·9	25·6	24·8	24·2	25·2	27·4	29·0	31·4	31·5	30·7	30·0	28·8	28·3	28·1	27·5	27·4	27·2	27·1	27·1	
22*	26·7	27·3	27·0	26·6	26·3	26·1	25·3	24·8	25·2	26·2	28·5	30·9	32·3	32·2	31·3	30·0	28·8	27·9	28·2	27·4	26·8	26·6	27·3	27·5	
23**	27·8	27·2	26·5	26·7	25·5	24·8	23·7	23·3	24·5	26·3	28·0	33·4	35·4	37·3	33·6	33·5	27·8	28·0	26·2	22·6	21·2	18·8	16·6	17·5	
24	15·1	21·5	25·1	24·5	27·3	25·0	23·7	22·9	22·4	23·9	27·0	30·6	32·1	32·7	33·6	33·4	31·4	31·1	30·7	30·0	28·0	28·4	27·3	25·9	
25**	26·1	22·8	19·1	27·6	29·1	26·9	26·9	29·7	28·4	35·3	35·1	37·6	38·7	34·2	32·3	27·3	25·3	23·9	24·4	25·6	26·1	24·5	24·3	22·8	
26	28·2	26·3	26·2	32·9	28·7	29·9	28·2	22·0	21·7	23·9	26·3	30·9	32·5	34·1	31·3	29·8	27·8	28·0	27·5	26·5	25·0	25·9	26·9	27·0	
27	26·4	26·5	26·2	28·1	28·1	27·1	27·4	27·7	28·2	31·6	32·5	33·1	32·2	31·4	30·6	29·2	27·1	27·0	26·3	24·3	25·4	25·7	24·4	25·0	
28	25·0	24·5	25·3	25·3	25·4	24·4	25·1	24·9	26·7	28·4	28·4	31·0	35·6	34·2	33·0	31·4	30·4	28·3	26·2	26·8	26·9	26·5	26·4	25·4	
29	25·9	25·5	23·0	24·1	25·2	25·1	25·1	25·4	25·2	26·6	29·1	30·6	32·7	33·1	31·4	29·2	28·9	28·1	27·1	26·5	25·5	22·1	23·1	26·7	
30	26·7	26·9	27·1	27·9	28·4	30·1	28·9	28·9	28·9	29·3	32·8	35·0	36·9	36·2	36·6	33·7	27·2	28·8	22·4	21·8	23·2	20·5	17·1	26·3	
Mean	26·6	26·0	25·5	26·6	26·1	26·1	25·4	25·3	25·8	27·7	30·0	32·8	34·4	34·4	32·9	31·0	29·1	28·6	27·7	26·9	26·5	25·9	25·0	25·5	
Mean*	27·1	26·9	26·6	26·2	25·7	25·7	25·3	24·8	25·2	26·4	28·5	30·9	32·6	32·7	31·8	30·5	29·0	28·2	28·5	28·2	27·8	27·5	27·6	27·6	
Mean**	27·6	24·4	23·0	24·4	27·0	26·9	25·2	26·1	26·7	29·0	30·8	34·1	35·5	36·0	32·3	30·9	28·3	28·1	25·3	25·5	24·4	24·2	22·0	22·6	

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	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	25·1	25·5	25·5	25·9	25·9	27·1	25·8	26·2	29·5	25·9	28·4	29·6	32·0	32·4	32·0	30·5	29·2	28·5	28·6	28·9	28·3	26·3	27·1	27·4	
2	26·4	26·2	26·1	26·1	26·3	26·7	26·4	25·1	24·6	25·6	27·8	30·6	32·3	32·5	31·0	29·0	28·0	28·0	28·2	27·9	27·9	27·5	24·6	21·1	
3*	24·8	25·8	25·8	25·9	25·8	25·8	25·7	24·8	24·6	25·3	27·5	30·2	32·5	32·2	30·8	29·1	27·8	27·8	27·8	27·4	27·2	27·2	26·8	26·3	
4	25·0	25·2	25·9	26·0	26·1	26·4	26·1	24·9	23·5	23·6	25·7	28·2	30·9	32·3	32·7	31·4	30·0	29·0	29·1	26·5	25·1	26·6	27·1	26·9	
5*	26·1	25·2	25·3	25·5	25·5	25·9	25·2	24·2	23·2	24·0	26·1	29·5	31·7	32·0	31·4	30·1	28·5	28·2	28·1	27·5	27·1	27·0	26·8	26·7	
6*	26·4	26·9	26·5	26·6	26·6	26·2	25·5	24·2	23·2	23·4	25·6	28·5	31·1	32·1	31·3	29·7	28·3	28·3	28·1	27·9	27·9	27·2	27·3	27·1	
7	21·6	22·7	25·9	26·0	26·0	25·0	25·6	24·0	23·0	23·4	27·8	34·3	32·3	32·7	32 6	32·1	29·9	28·9	27·8	27·4	26·9	21·3	24·9	26·5	
8	26·7	26·1	25·9	25·9	25·8	25·4	25·1	24·2	22·8	23·8	26·8	29·6	31·4	32·3	31·4	29·2	27·8	27·5	24·2	26·7	27·3	26·4	23·5	25·1	
9*	25·8	27·2	25·4	25·2	25·2	25·4	25·1	24·1	23·1	23·5	26·8	27·9	29·9	30·8	30·6	29·1	27·9	26 8	26·8	27·1	27·2	25·8	25·8	26·0	
10	25·9	25·4	25·0	24·2	24·2	24·3	24·3	23·4	22·6	23·2	25·8	28·5	31·0	32·0	31·3	30·6	27·8	25·0	22·9	26·0	27·2	25·0	22·4	26·3	
11**	26·4	26·2	26·1	26·1	26·0	25·9	25·8	24·4	23·3	23·7	26·2	29·6	32·6	33·8	33·4	28·4	33·3	26·8	22·2	26·2	23·5	22·2	22·6	22·7	
12	23·7	23·3	24·8	26·2	26·2	26·3	25·9	25·2	24·7	25·2	27·3	29·9	31·6	31·9	31·9	30·6	28·9	28·7	28·3	27·8	27·5	27·3	27·3	27·4	
13*	27·2	26·4	26·3	24·8	25·6	26·4	26·2	24·7	23·6	23·7	26·2	29·2	31·2	32·2	31·5	30·1	28·9	29·1	28·8	28·3	27·5	27·3	27·3	27·4	
14	27·5	27·5	27·5	28·0	29·5	27·4	25·5	24·9	24·0	24·0	27·2	30·5	32·7	33·7	33·1	31·6	29·9	29·5	28·1	27·7	26·0	24·1	25·9	26·9	
15	27·1	29·8	24·9	25·0	27·6	28·6	26·6	24·3	23·0	24·5	28·6	31·1	33·3	34·0	34·9	30·2	31·1	29·8	25·0	19·4	19·8	21·9	25·5	26·4	
16	27·6	27·6	27·4	28·0	29·0	30·9	29·2	27·5	25·9	25·0	28·0	30·5	32·4	33·0	29·0	27·2	28·1	25·6	24·0	25·4	26·6	26·6	26·4	26·6	
17	25·4	25·7	26·8	27·3	27·5	26·4	27·2	25·6	24·0	24·9	27·9	31·4	33·2	33·8	34·3	29·9	29·8	29·3	26·3	24·5	23·7	22·9	25·1	25·2	
18	26·5	30·3	25·9	25·2	25·7	28·0	29·7	30·9	27·9	26·8	30·0	31·6	31·7	31·4	30·8	29·4	27·8	27·2	25·2	27·1	27·2	26·8	26·6	26·8	
19	25·8	25·8	26·6	26·5	26·8	26·5	26·1	25·0	23·3	24·4	28·2	31·2	33·6	33·7	32·2	30·2	28·7	28·4	26·7	22·7	25·2	25·7	26·1	25·7	
20**	25·2	25·6	26·8	27·0	26·5	26·5	26·5	24·7	23·7	25·9	29·7	33·0	38·5	36·9	39·8	35·3	31·8	24·6	24·2	22·1	17·4	15·8	24·8	26·7	
21**	26·9	27·0	27·0	27·3	27·2	28·0	29·0	27·8	26·3	26·3	30·2	31·3	30·2	33·8	31·8	30·1	20·9	18·3	14·8	21·1	20·9	22·9	19·1	22·7	
22	25·1	25·6	27·2	30·2	29·2	30·1	27·7	26·7	25·0	26·1	27·0	29·4	32·7	32·9	31·4	28·6	26·0	26·4	25·7	25·9	24·0	26·1	26·1	26·4	
23	26·8	26·5	29·2	28·8	27·8	26·4	25·9	24·1	22·7	23·3	26·4	30·1	31·9	32·3	31·1	29·7	28·4	27·7	27·1	26·6	25·6	26·0	26·6	27·0	
24**	27·1	27·0	26·9	27·0	26·9	26·4	28·0	35·0	31·2	29·2	29·5	32·0	33·0	33·9	37·0	34·9	33·3	30·6	28·3	27·1	26·1	25·7	25·7	25·3	
25	25·3	25·0	25·8	25·0	24·4	24·0	24·3	23·0	22·1	22·9	26·0	29·4	31·0	30·6	29·5	29·0	28·7	28·5	28·0	26·4	23·6	21·8	22·5	15·0	
26	22·3	25·0	26·9	26·9	26·0	25·2	25·4	24·4	23·1	23·5	25·8	28·1	30·4	30·7	29·8	28·5	27·6	27·2	27·1	26·7	26·3	26·1	25·5	25·4	
27**	26·4	26·9	25·4	26·4	25·1	24·6	22·9	24·1	22·5	24·3	26·7	30·7	34·6	36·9	37·6	37·0	35·2	27·5	31·7	29·2	23·3	21·6	16·5	19·8	
28	22·7	20·8	20·8	23·3	23·6	24·0	23·6	22·3	21·8	23·2	26·0	29·4	30·9	32·9	32·7	32·0	29·9	25·2	26·3	26·8	24·5	24·6	23·8	24·2	
29	25·0	25·4	27·6	25·9	25·0	25·5	25·5	24·5	23·9	24·9	29·0	31·0	32·7	32·8	31·8	26·0	26·6	27·5	26·5	25·1	25·1	25·4	25·7	25·4	
30	25·6	26·2	27·2	26·5	24·9	26·2	30·7	28·5	26·7	26·8	28·9	32·3	33·7	33·3	33·8	31·9	27·5	24·9	26·3	25·1	25·8	25·9	25·6	25·5	
31	26·9	27·3	27·2	26·5	27·3	31·3	32·3	32·3	31·6	31·2	30·5	32·3	34·2	33·4	32·0	30·6	29·6	28·0	26·9	26·5	25·5	25·0	22·7	23·6	
Mean	25·7	26·0	26·2	26·3	26 3	26·5	26·4	25·7	24·5	24·9	27·5	30·4	32·3	32·9	32·4	30·4	28·9	27·4	26·4	26·2	25·4	24·9	25·0	25·2	
Mean*	26·1	26·3	25·9	25·6	25·7	25·9	25·5	24·4	23·5	24·0	26·4	29·1	31·3	31·9	31·1	29·6	28·3	28·0	27·9	27·6	27·4	26·9	26·8	26·7	
Mean**	26·4	26·5	26·4	26·8	26·3	26·3	26·4	27·2	25·4	25·9	28·5	31·3	33·8	35·1	35·9	33·1	30·9	25·6	24·2	25·1	22·2	21·6	21·7	23·4	

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

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

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

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

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

	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	523	528	526	528	535	531	536	534	502	512	525	522	520	521	521	522	526	528	528	522	516	528	530	523	
2	526	524	532	544	537	528	531	532	527	508	507	519	523	524	523	517	526	525	520	531	526	526	528	528	
3	529	538	532	526	527	530	528	530	519	522	519	501	513	526	529	524	522	523	529	526	534	528	523	537	
4	559	518	521	525	527	529	526	532	532	524	519	510	516	516	509	511	513	520	503	515	526	523	523	531	
5	527	526	528	533	534	538	535	533	525	517	517	517	519	522	526	529	527	527	529	527	521	530	525	527	
6*	529	530	531	532	531	532	531	532	530	525	523	527	527	527	527	529	529	529	529	529	529	527	528	530	
7*	530	530	531	535	540	543	545	543	539	536	531	533	535	535	538	536	535	535	535	535	535	533	531	531	
8*	533	534	536	540	543	546	548	550	548	543	540	537	535	531	531	538	538	540	538	534	531	531	534	538	
9*	544	536	538	541	544	547	547	547	544	537	529	527	530	532	536	539	541	541	540	539	536	530	526	531	
10*	533	533	535	536	538	543	544	544	544	543	541	541	538	536	534	532	535	538	536	536	539	535	527	532	
11	529	541	522	527	532	534	535	536	537	535	533	532	523	519	520	531	533	536	533	533	531	531	530	524	
12	528	528	530	531	533	533	533	533	536	534	531	531	530	535	533	531	531	531	528	531	528	526	541	531	
13	515	521	525	527	533	538	531	533	533	531	525	523	524	521	528	529	530	528	529	526	530	526	532	530	
14	528	529	528	530	532	534	532	533	533	532	531	532	533	534	535	534	535	537	538	537	538	537	536	551	
15	519	524	523	531	538	542	540	538	536	534	524	522	516	522	528	528	512	520	520	528	528	531	526	534	
16	531	529	529	531	533	538	538	538	538	534	531	531	532	536	537	537	536	542	541	537	537	533	532	532	
17**	532	528	527	517	532	536	532	515	526	521	514	484	484	500	511	512	516	527	528	528	524	521	533	526	
18	519	511	523	523	524	533	529	533	530	524	516	514	521	516	514	530	527	527	529	520	533	522	524	534	
19	542	524	524	526	528	531	528	523	527	525	523	524	533	533	526	526	529	532	525	525	532	531	526	529	
20	526	523	537	529	531	536	522	534	529	522	520	520	524	524	527	530	532	533	532	529	524	527	527	530	
21	528	527	525	529	531	533	534	539	532	534	525	524	519	524	526	527	529	532	522	499	499	503	490	501	
22	512	508	519	512	515	519	526	523	519	520	519	511	518	520	524	517	515	527	528	526	523	523	516	506	
23**	506	512	520	526	530	534	530	533	527	534	532	529	509	504	516	516	524	523	521	512	533	534	520	520	
24**	523	521	528	529	530	532	531	529	530	532	512	519	524	527	527	513	496	510	521	537	515	519	533	516	
25	518	528	529	520	525	528	527	526	525	528	526	525	528	532	524	515	518	519	522	538	532	528	526	544	
26	522	529	528	524	527	531	529	531	529	527	518	508	511	517	523	516	528	529	531	531	532	529	540	527	
27**	526	526	527	528	531	534	537	541	540	537	533	527	527	527	536	556	553	556	536	497	476	493	481	476	
28**	474	493	503	504	517	523	507	513	505	497	497	497	509	521	527	529	529	527	526	526	526	522	526	519	
29	519	519	521	522	523	526	534	531	529	521	518	516	515	519	526	529	531	531	531	531	530	529	528	527	
30	530	530	531	533	535	537	539	534	526	523	515	514	496	505	509	519	519	524	524	525	526	528	531	529	
31	531	525	533	532	536	536	537	544	519	510	523	525	520	522	520	519	520	523	525	528	528	528	531	533	
Mean	526	525	527	528	531	534	533	533	530	527	523	521	521	524	526	527	527	530	528	527	526	526	526	527	
Mean*	534	533	534	537	539	542	543	543	541	537	533	533	533	532	533	535	536	537	536	535	534	531	529	532	
Mean**	512	516	521	521	528	532	527	526	526	524	518	511	511	516	523	525	524	529	526	520	515	518	519	511	
February.	18000 γ + Tabular Quantities (in γ).																								
1**	532	531	531	533	533	536	536	532	521	510	499	491	501	511	513	503	484	467	463	469	481	480	478	489	
2**	499	511	512	519	562	526	536	525	525	515	503	496	496	499	512	487	499	499	476	467	497	504	512	514	
3	514	515	516	520	523	525	531	533	520	507	501	491	478	496	517	514	511	515	518	521	516	514	519	521	
4*	520	524	528	526	528	531	531	533	528	519	519	517	521	525	525	525	531	530	527	526	529	527	528	531	
5	528	530	530	532	534	538	538	537	534	527	523	524	528	531	529	529	528	531	532	532	532	528	533	528	
6	534	531	532	532	533	545	546	538	532	520	513	512	520	529	533	533	533	534	532	532	533	531	532	531	
7	529	531	533	533	536	540	540	539	536	535	530	531	531	529	529	533	538	543	541	540	534	528	528	523	
8	520	525	532	534	536	536	535	531	528	525	523	520	523	534	538	528	528	538	539	539	538	537	538	538	
9	531	537	528	527	533	538	537	535	529	526	518	518	523	521	528	531	533	536	533	531	537	531	527	529	
10	531	533	528	531	531	533	538	539	533	518	520	523	528	532	536	536	512	529	533	534	533	533	533	533	
11*	533	533	533	531	532	531	534	538	538	533	528	523	524	524	531	534	533	534	537	538	537	534	535	536	
12	536	538	526	525	529	531	529	528	533	531	528	533	530	528	531	529	534	533	532	532	536	537	536	537	
†13**	534	532	537	534	527	532	538	540	538	535	532	531	—	—	—	—	—	521	509	495	538	496	493	554	
14**	502	512	538	520	528	496	510	503	502	502	498	482	491	494	504	509	512	510	522	522	535	528	528	527	
15	538	528	525	517	517	528	528	527	522	516	515	508	512	515	515	508	496	507	512	509	511	520	521	523	
16	525	526	524	525	528	532	533	527	525	523	516	509	504	512	518	517	517	516	526	525	530	529	533	528	
17	538	530	520	517	525	527	526	527	516	506	507	511	517	521	520	522	525	525	526	530	533	538	530	528	
18	526	529	550	534	536	536	542	539	529	519	513	518	531	531	531	528	526	529	527	548	526	510	521	543	
19*	526	527	529	532	531	529	531	531	529	525	524	520	528	528	523	527	530	530	526	533	536	535	534	533	
20	533	532	533	535	534	533	536	538	534	529	529	523	523	526	527	518	519	529	533	544	522	516	523	527	
21	524	541	528	525	530	531	534	540	535	523	520	489	524	529	518	518	514	512	516	526	542	541	518	517	
22	534	531	518	526	531	534	535	533	525	526	507	510	520	524	522	523	523	526	529	535	531	529	530	531	
23	529	530	535	532	539	535	532	531	535	527	521	518	518	529	533	532	529	527	529	516	513	513	547	534	
24	531	530	527	528	532	532	532	535	530	522	511	498	505	513	517	508	509	502	498	490	492	494	504	509	
25	511	533	530	528	531	532	531	526	522	530	521	523	528	531	528	527	530	534	537	540	543	543	541	537	
26**	535	536	538	535	525	541	544	537	532	518	520	507	492	499	510	505	481	499	510	520	523	517	518	525	
27*	525	525	524	526	525	527	532	531	523	519	517	516	521	521	523	525	523	525	528	531	531	531	531	529	
28*	529	529	529	529	533	533	536	536	534	528	521	515	515	523	532	531	528	528	531	533	535	533	537	535	
Mean	526	529	529	528	532	532	534	532	528	521	517	512	516	521	524	522	520	522	523	525	526	525	527	527	
Mean*	527	528	529	529	530	530	533	534	530	525	522	518	522	524	527	528	529	529	530	532	534	532	533	533	
Mean** 4 days	517	523	530	527	537	525	522	524	520	511	505	494	495	501	510	501	494	494	493	495	509	507	509	514	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day. † February 13th has been omitted in computing the means.

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

	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	533	531	531	532	533	538	539	541	536	510	515	501	488	499	511	529	528	527	507	520	533	534	533	530	
2	528	531	528	533	536	544	545	542	534	518	524	523	515	496	515	508	505	511	529	531	529	532	533	531	
3	530	534	531	531	528	531	532	534	530	524	518	515	519	528	531	515	517	514	516	537	512	525	538	528	
4*	526	533	527	529	529	532	533	533	534	527	521	517	522	528	530	526	527	529	532	532	534	533	536	535	
5	535	537	538	537	539	537	536	534	529	519	513	515	522	530	530	529	533	533	535	534	530	526	563	535	
6	537	537	533	532	530	533	536	539	533	524	518	513	521	529	531	530	531	524	524	523	526	520	526	526	
7	529	528	527	529	532	534	537	541	542	534	521	519	522	524	532	530	529	536	533	529	529	532	533	522	
8	518	519	526	526	528	527	526	526	529	526	520	516	516	521	529	532	532	532	537	524	529	521	519	524	
9	523	522	522	532	527	525	527	527	526	523	522	522	530	530	527	520	531	532	533	534	534	532	527	528	
10*	527	529	528	530	531	531	533	535	528	520	516	522	521	525	536	533	526	527	532	521	516	522	522	523	
11	522	522	527	528	528	535	533	531	531	525	525	533	535	520	512	504	504	510	523	537	535	535	535	532	
12	530	528	530	532	532	535	538	539	538	534	529	527	527	530	531	535	533	535	538	540	543	546	546	538	
13**	547	512	520	527	527	537	538	543	535	526	524	504	[514]	524	516	516	479	484	504	527	532	533	534	530	
14**	527	524	531	535	525	529	514	520	514	485	509	494	494	493	504	485	507	513	485	528	537	540	516	524	
15**	529	530	515	527	506	505	507	508	502	493	506	498	496	502	516	513	512	516	527	524	516	542	524	530	
16**	534	529	512	514	514	519	516	513	511	504	510	508	511	508	518	520	501	524	515	516	540	527	522	539	
17	533	534	524	524	511	520	516	516	517	506	501	508	523	529	532	535	529	520	527	529	522	542	538	552	
18	545	523	520	522	522	524	524	520	519	516	516	517	519	523	524	520	525	514	517	525	529	521	529	525	
19	545	524	522	524	528	529	524	515	504	495	499	503	512	522	523	524	526	525	532	514	527	525	519	518	
20	522	524	523	522	524	527	527	519	519	511	508	519	527	519	529	532	522	520	533	525	539	526	524	550	
21	531	525	526	527	527	538	536	537	533	527	525	518	516	523	516	510	514	506	529	519	522	522	540	532	
22	516	512	532	529	529	532	532	522	522	514	508	507	512	522	527	529	529	529	530	530	532	524	531	529	
23	531	529	530	534	534	536	537	533	524	513	502	503	512	527	536	537	535	533	535	538	535	529	546	541	
24	539	545	537	559	548	553	538	532	517	506	503	507	507	511	520	528	525	526	523	534	527	519	519	525	
25	527	529	527	529	529	532	536	523	529	520	509	497	506	515	511	524	529	535	537	538	537	537	530	533	
26	527	531	527	528	534	536	540	538	532	523	517	514	516	519	519	517	522	527	526	533	537	532	534	532	
27*	523	528	532	529	530	541	541	534	527	518	513	513	514	518	530	528	530	533	537	536	536	541	540	539	
28*	536	534	534	536	536	537	539	536	530	522	514	520	524	528	530	531	528	525	529	531	532	535	539	535	
29*	534	532	532	536	536	536	535	534	528	518	517	518	523	528	536	536	534	534	534	536	536	544	543	541	
30**	541	544	543	541	541	544	543	541	535	527	520	521	542	550	528	518	544	544	544	531	535	535	534	525	
31	531	534	531	529	524	531	537	531	526	510	509	514	502	510	515	510	525	532	534	534	533	534	536	536	
Mean	531	529	528	530	529	533	532	530	526	517	515	513	516	520	524	523	523	524	527	529	531	531	533	532	
Mean*	529	531	531	532	532	535	536	534	529	521	516	518	521	525	532	531	529	530	533	531	531	535	536	535	
Mean**	536	528	524	529	523	527	524	525	519	507	514	505	511	515	516	510	509	516	515	525	532	535	526	520	
April.	18000 γ + Tabular Quantities (in γ).																								
1	534	535	534	534	532	531	530	523	513	505	500	501	510	515	519	524	527	531	534	535	535	534	536	536	
2*	536	534	534	535	535	535	535	529	518	507	502	503	509	515	522	529	534	535	537	538	539	537	539	540	
3	541	540	541	541	541	542	541	535	523	512	510	513	513	528	541	544	537	539	541	544	545	545	546	544	
4	541	544	541	536	539	539	539	531	524	513	510	510	518	525	534	530	540	536	541	536	539	539	547	541	
5	540	540	537	537	536	540	535	525	514	503	499	505	516	526	536	539	541	544	545	543	541	538	542	543	
6*	537	535	540	540	541	540	538	531	522	514	507	504	508	516	524	536	540	542	543	544	542	541	541	541	
7*	542	542	542	545	546	548	550	548	537	519	503	497	501	516	531	542	545	545	545	545	546	547	545	544	
8	541	540	538	542	549	558	556	548	532	519	509	506	523	524	527	536	554	552	555	555	554	550	555	555	
9**	550	540	551	558	563	548	534	506	506	501	485	477	480	489	494	495	514	528	533	533	533	529	528	526	
10**	527	528	535	536	536	537	537	535	528	519	496	507	529	510	518	497	547	532	515	536	510	511	523	522	
11**	518	521	530	529	517	523	521	500	474	474	414	445	472	512	490	503	517	524	544	530	527	546	554	564	
12**	511	515	522	507	517	516	498	517	486	474	483	488	491	483	506	523	523	540	526	545	535	527	534	528	
13**	527	543	513	542	518	519	523	515	501	495	493	471	482	499	517	534	528	543	538	527	529	552	544	531	
14	519	522	519	519	517	517	521	517	509	496	499	503	504	503	505	514	523	527	533	528	528	534	528	531	
15	528	526	523	528	521	529	530	528	515	499	497	503	506	513	521	522	535	540	544	541	535	537	540	538	
16	535	531	530	530	532	532	527	533	535	523	515	501	509	513	519	535	527	521	520	527	528	533	535	556	
17	527	533	528	533	523	525	528	527	522	518	514	514	518	524	530	531	525	530	532	531	532	532	535	531	
18	531	532	533	533	550	525	513	521	514	505	501	496	497	517	522	527	534	529	532	539	540	533	524	546	
19	534	528	528	530	532	530	526	522	518	507	498	501	500	515	522	534	539	535	534	535	544	539	533	532	
20	545	533	527	529	530	531	531	527	517	506	493	501	514	525	533	536	531	536	538	537	535	531	532	532	
21	532	537	535	530	535	535	531	527	517	504	501	502	507	514	529	535	535	537	536	537	533	532	529	529	
22	529	530	531	530	531	529	527	523	516	508	503	505	511	521	530	538	538	534	531	537	537	539	538	536	
23	534	534	539	543	546	542	543	542	533	517	504	506	506	506	527	537	537	538	539	542	529	532	521	527	
24	532	525	529	526	526	528	526	522	514	507	500	502	508	517	530	537	547	543	539	538	539	535	530	530	
25	530	531	531	538	538	533	530	532	524	516	507	508	515	525	533	538	543	541	538	535	537	538	542	540	
26	538	535	535	533	533	533	537	536	531	519	511	513	519	523	527	532	539	543	545	544	542	544	544	539	
27*	537	535	531	532	532	533	532	529	526	521	517	516	519	523	526	530	534	539	541	541	540	539	539	539	
28*	537	535	534	534	532	534	534	534	532	528	526	526	529	532	534	537	539	540	543	544	545	545	544	543	
29	545	542	541	541	540	538	536	538	540	533	528	531	533	534	538	535	539	543	544	547	547	547	548	550	
30	547	544	543	543	543	542	542	538	532	514	515	533	540	545	543	540	549	550	545	553	553	552	556	556	
Mean	534	534	533	534	534	534	532	528	519	509	501	503	510	517	524	530	535	537	538	539	537	538	538	539	
Mean*	538	536	536	537	537	538	538	534	527	518	511	509	513	520	527	535	538	540	542	542	542	542	542	541	
Mean**	527	529	530	534	530	529	523	515	499	493	474	478	491	499	505	510	526	533	531	534	527	533	537	534	

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

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

May. 18000 γ + Tabular Quantities (in γ).

	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**	552	552	549	548	546	542	543	540	531	523	519	518	530	546	527	521	514	520	535	563	554	556	547	545	
2**	528	524	507	516	510	503	501	500	499	504	513	513	521	522	524	526	529	533	533	534	534	534	535	537	
3	539	538	533	531	532	530	532	528	526	520	519	511	504	526	532	532	532	531	528	530	532	530	527	528	
4	529	531	529	527	526	526	524	521	516	513	513	514	515	523	532	537	532	528	529	532	532	533	532	530	
5	537	533	532	532	533	532	530	526	521	514	507	508	514	525	528	533	537	539	536	537	539	538	538	539	
6*	542	541	538	539	538	539	537	535	532	519	503	505	512	521	527	533	537	539	542	542	542	542	543	543	
7	551	546	547	547	550	549	549	544	539	532	520	515	518	528	537	539	542	547	547	549	549	544	542	542	
8*	542	542	542	541	542	542	542	535	528	522	519	519	517	521	528	538	545	547	550	549	548	544	544	543	
9*	541	541	541	542	543	541	538	535	527	518	513	515	518	522	525	535	539	546	547	546	546	544	545	543	
10**	543	542	542	541	542	545	552	556	552	547	537	531	537	527	533	546	585	556	532	555	552	521	523	529	
11	539	521	528	520	522	525	533	534	533	532	525	508	508	520	524	527	536	545	541	550	544	543	549	546	
12**	531	547	551	551	537	525	510	512	505	501	506	519	524	527	532	526	537	540	539	542	542	560	537	533	
13	538	535	543	533	530	528	540	536	530	523	525	529	526	530	538	544	543	543	535	546	548	549	548	545	
14	543	544	544	543	540	538	532	535	530	525	517	518	517	522	530	532	533	536	536	536	539	538	536	536	
15	535	534	532	531	531	530	526	523	524	522	521	527	532	529	536	534	541	544	544	556	541	540	545	536	
16	545	556	549	539	538	534	509	523	506	502	505	513	527	527	512	527	542	548	546	543	545	542	540	539	
17	543	535	535	536	535	534	530	525	520	515	513	514	520	522	530	538	542	543	540	540	540	540	537	535	
18	535	535	535	534	536	533	529	525	522	517	516	520	527	530	536	540	543	548	541	540	551	540	529	530	
19	538	543	533	530	535	533	530	522	512	504	503	509	517	522	531	535	539	533	536	538	536	542	546	543	
20**	543	550	546	556	555	541	501	480	491	509	513	509	512	514	514	533	540	539	540	530	532	535	530	533	
21	527	527	527	528	530	529	527	521	508	499	497	501	501	509	521	523	534	543	542	542	536	532	536	540	
22	529	527	521	532	530	525	518	520	516	519	516	519	516	513	510	527	531	537	543	546	542	538	533	533	
23	530	533	530	529	530	526	522	514	512	517	522	518	516	520	524	538	543	547	548	548	540	535	528	526	
24*	533	533	530	532	533	533	535	531	525	520	517	520	521	530	542	546	550	553	551	547	543	540	538	533	
25*	532	537	533	535	540	546	546	540	535	525	512	512	517	526	535	535	543	553	559	559	556	553	551	548	
26	545	543	538	540	546	543	541	536	530	524	530	516	504	507	509	523	535	545	549	548	547	548	546	545	
27	543	544	543	544	545	546	547	546	543	533	533	527	525	531	530	533	542	546	556	556	556	550	547	543	
28	539	538	539	541	542	542	545	541	539	539	537	534	533	529	529	533	538	543	549	552	554	554	553	554	
29	549	548	546	546	549	549	548	540	531	527	531	531	529	528	533	528	534	548	557	551	549	551	549	548	
30	545	544	543	543	545	543	540	530	524	519	518	522	517	540	526	527	537	553	558	553	549	551	551	556	
31	547	542	540	541	544	548	549	539	530	521	515	515	517	529	539	543	552	553	545	546	543	545	546	541	
Mean	539	539	537	537	537	536	532	529	524	520	517	517	519	525	528	533	540	543	543	545	544	542	540	539	
Mean*	538	539	537	538	539	540	540	535	529	521	513	514	517	524	531	537	543	548	550	549	547	545	544	542	
Mean**	539	543	539	542	538	531	521	518	516	517	518	518	525	527	526	530	541	538	536	545	543	541	534	535	

June. 18000 γ + Tabular Quantities (in γ).

	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*	543	541	541	540	539	536	533	528	520	510	511	517	521	527	536	536	539	543	547	547	545	545	544	543	
2*	543	543	544	544	544	541	537	529	521	514	510	509	511	517	523	530	537	545	547	552	548	548	545	544	
3	547	547	546	546	545	545	540	532	525	514	514	519	523	529	539	539	542	548	551	553	551	548	548	549	
4	548	552	555	561	558	559	550	541	533	529	523	521	524	540	551	556	547	546	565	553	561	550	553	550	
5	550	554	551	550	549	551	553	547	532	522	517	517	517	527	528	558	554	546	557	559	559	558	556	554	
6	553	550	550	547	546	545	545	545	541	530	515	507	515	520	535	546	550	556	556	561	551	553	550	549	
7**	550	545	548	554	557	558	545	527	530	528	532	535	546	527	536	544	574	557	536	537	526	503	524	491	
8**	514	534	525	531	510	514	506	501	483	461	484	496	501	493	511	505	528	530	552	544	543	538	542	551	
9**	560	540	535	538	541	544	547	542	529	525	505	499	533	516	539	551	536	564	551	536	534	525	527	531	
10**	543	532	523	522	517	519	514	512	501	489	504	517	527	509	530	518	546	546	569	566	545	530	533	538	
11	538	534	532	525	519	514	509	504	500	499	499	508	519	532	535	535	567	573	556	565	538	538	535	540	
12	528	526	526	526	526	522	513	509	510	512	518	526	527	526	531	531	542	533	543	550	545	534	537	544	
13	537	526	529	524	528	521	517	515	512	511	508	524	524	531	535	543	537	537	541	542	538	537	538	533	
14	529	534	527	529	529	523	520	513	513	511	514	525	529	536	538	539	536	533	535	536	535	535	535	535	
15*	532	533	531	531	533	529	522	515	512	509	512	519	525	527	532	535	535	539	543	541	541	538	537	535	
16*	533	533	535	536	535	531	528	527	524	520	525	533	540	537	538	542	546	547	544	553	551	548	548	549	
17	554	553	548	549	548	546	541	533	522	520	527	538	542	549	553	549	542	565	568	565	560	546	530	541	
18**	538	547	545	543	529	536	529	516	505	500	496	493	496	503	530	546	552	559	565	549	512	501	492	494	
19	512	514	541	525	523	514	507	502	497	490	489	471	497	499	526	533	540	536	529	536	538	544	540	542	
20	542	539	526	520	531	539	527	520	502	495	497	497	505	512	523	532	533	544	541	541	536	536	540	536	
21	531	539	539	538	540	540	531	522	515	506	502	510	510	517	524	539	537	542	536	537	539	536	538	534	
22	531	531	531	533	536	539	537	531	516	502	488	493	504	507	517	531	536	542	548	550	547	544	544	547	
23	547	547	546	545	547	545	540	531	526	511	501	501	507	513	526	538	536	543	544	548	547	545	548	541	
24	539	538	535	539	545	545	539	531	523	515	517	522	525	526	536	542	547	547	546	547	550	550	544	542	
25*	540	538	538	540	542	541	536	532	527	520	516	514	523	529	534	538	544	547	550	556	553	550	546	544	
26	542	543	539	540	542	539	535	529	520	518	518	522	526	523	523	526	533	544	550	557	559	558	558	558	
27	563	557	544	544	544	541	534	526	520	514	513	526	541	542	539	543	541	541	551	559	555	552	551	550	
28	548	547	546	546	544	538	533	527	527	526	525	521	526	529	535	534	535	535	554	546	545	551	541	539	
29	543	543	541	539	534	531	525	520	515	515	516	517	530	538	544	543	549	542	538	540	551	548	548	544	
30	546	547	548	535	534	530	522	518	520	517	529	538	538	535	539	547	540	544	543	553	554	546	541	543	
Mean	541	540	539	538	537	536	531	524	517	511	511	514	522	524	533	538	543	546	549	549	545	541	540	540	
Mean*	538	538	538	538	539	536	531	526	521	515	515	518	524	527	533	536	540	544	546	550	548	546	544	543	
Mean**	541	540	535	538	531	534	528	520	510	501	504	508	521	510	529	533	547	551	555	546	532	519	524	521	

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

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

	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.	18000γ + Tabular Quantities (in γ).																								
1	544	543	542	538	539	539	535	528	520	512	516	509	515	529	541	542	540	544	544	550	550	552	552	553
2	553	547	547	542	542	548	538	526	513	506	506	526	544	547	548	563	557	550	544	548	546	547	542	544
3	542	539	542	543	544	543	536	530	518	513	511	512	521	531	542	548	550	544	552	555	552	550	548	550
4	544	542	542	544	544	539	534	523	518	517	518	518	531	531	538	543	537	544	544	551	552	547	543	544
5*	541	540	541	542	544	544	542	534	518	510	506	508	516	529	547	555	556	552	548	544	546	547	543	544
6*	543	543	544	542	544	542	539	534	525	516	518	520	519	526	536	542	538	542	544	550	555	554	553	552
7	550	548	548	547	547	544	542	539	528	518	517	526	529	524	530	542	543	544	545	551	554	568	555	548
8**	554	554	553	561	564	561	530	484	485	492	498	496	509	507	523	512	508	517	520	536	544	543	547	545
9**	551	553	546	542	539	528	524	523	519	514	510	506	508	510	518	523	540	534	533	539	540	541	542	546
10	527	526	530	527	524	523	519	512	507	505	503	506	517	519	529	530	531	537	543	548	547	544	542	537
11	536	537	535	535	536	533	524	514	496	481	494	520	524	537	552	537	530	543	544	552	552	548	545	543
12	539	539	536	535	539	527	526	521	517	513	511	516	521	531	539	543	540	544	543	552	550	543	540	538
13	538	536	535	534	531	529	523	521	524	529	523	518	521	535	547	540	539	542	550	550	547	552	548	547
14	547	539	534	532	535	531	523	514	512	518	522	535	538	538	551	548	548	559	558	545	552	551	546	558
15	542	540	538	540	538	532	524	516	515	518	523	533	547	540	543	549	554	548	541	537	537	537	537	536
16	539	536	533	531	531	527	523	523	513	510	509	514	520	534	547	547	545	539	538	539	542	543	542	543
17*	542	540	539	537	534	531	525	523	516	508	516	519	526	539	545	545	543	540	541	545	545	541	540	542
18*	547	542	545	543	544	543	541	538	527	519	515	512	515	519	530	530	536	540	541	546	553	551	548	547
19	547	553	566	552	540	543	540	532	530	527	525	516	510	521	536	543	538	535	534	546	540	539	538	538
20	536	540	535	534	532	534	531	531	530	523	516	502	508	521	538	545	550	546	551	551	549	546	549	547
21	546	545	545	547	547	549	542	537	534	525	519	514	514	512	519	530	529	540	556	559	553	549	548	543
22**	540	546	551	556	556	560	555	536	509	505	499	499	501	499	517	532	551	543	541	549	551	554	563	540
23	521	529	532	535	531	535	534	529	513	501	494	506	508	511	516	518	522	530	537	539	542	541	539	540
24**	539	535	537	537	539	545	548	550	529	512	516	513	504	508	516	525	518	529	534	539	552	548	572	537
25**	542	559	533	545	528	494	520	503	511	508	482	462	480	489	504	522	507	529	527	522	538	531	533	545
26	534	536	529	525	528	528	528	526	524	524	525	519	516	513	517	522	528	535	537	545	548	539	539	537
27	537	531	537	536	533	528	528	523	513	505	504	509	513	520	525	533	531	534	536	542	547	539	542	531
28	529	529	529	529	529	528	525	524	524	523	516	526	530	531	533	535	538	539	542	538	538	542	538	541
29	545	539	537	537	528	526	533	533	530	526	527	530	531	525	515	526	526	538	537	547	537	532	533	535
30*	533	539	535	535	534	529	530	527	521	513	505	511	522	531	543	542	534	539	537	539	540	542	539	539
31	538	536	535	535	535	536	535	530	523	517	509	506	517	530	532	541	539	543	559	556	556	553	553	546
Mean	541	541	540	539	538	535	532	525	518	513	511	513	519	524	533	537	537	540	542	546	547	546	545	543
Mean*	541	541	541	540	540	538	535	531	521	513	512	514	520	529	540	543	541	543	542	545	548	547	545	545
Mean**	545	549	544	548	545	538	535	519	511	506	501	495	500	503	516	523	525	530	531	537	545	543	551	543
August.	18000 γ + Tabular Quantities (in γ).																								
1	549	548	532	535	536	535	527	518	511	508	507	509	523	523	519	532	544	543	533	540	539	536	543	549
2	548	545	541	536	536	532	523	515	505	498	500	509	509	512	515	531	532	535	539	539	539	539	537	539
3*	536	537	538	539	540	541	541	538	530	520	513	510	515	523	534	538	536	540	541	547	547	545	544	544
4	543	543	544	544	544	541	535	531	530	530	529	526	525	527	533	536	540	545	553	561	556	549	548	545
5	545	543	544	545	548	547	541	530	519	515	519	530	532	532	537	545	540	540	557	556	550	553	554	552
6	543	550	543	542	540	539	533	529	525	523	526	524	534	533	527	527	537	552	558	558	558	552	548	540
7	549	541	533	538	540	535	529	521	508	501	507	518	522	524	530	540	537	542	545	547	545	540	540	540
8	538	540	535	535	535	536	533	527	521	518	518	523	531	522	516	524	536	546	549	548	547	548	547	544
9	544	539	539	535	534	535	531	524	525	524	521	529	529	531	531	531	529	540	547	547	547	547	544	547
10	539	539	536	534	540	539	536	531	527	527	526	526	525	531	534	539	542	546	543	547	549	547	544	539
11	536	539	539	538	539	535	530	524	519	518	523	535	541	539	539	539	536	534	540	547	549	546	543	542
12*	543	541	537	537	539	536	534	525	520	515	521	526	531	529	524	527	535	543	547	548	547	544	542	542
13	540	538	537	538	537	531	525	517	509	508	518	526	535	534	536	532	534	536	542	549	550	543	537	547
14*	540	540	538	541	534	530	523	516	514	521	526	527	529	536	541	545	542	538	538	545	544	543	543	543
15	544	543	539	538	535	531	526	516	515	518	518	527	537	551	562	549	540	541	545	548	545	548	540	540
16	542	543	543	541	535	535	533	532	528	524	526	518	533	535	535	535	536	543	545	550	545	538	535	536
17*	537	539	538	536	531	527	522	518	513	506	509	519	531	539	537	539	539	538	540	546	546	546	544	543
18*	540	540	540	540	540	538	539	532	524	509	505	512	522	529	531	542	544	546	542	543	546	544	544	544
19**	546	548	548	547	549	553	551	541	524	514	515	513	513	523	515	526	539	539	535	544	547	544	543	537
20**	536	534	539	540	549	539	543	534	510	500	497	501	517	513	521	532	524	536	542	539	541	539	536	536
21**	530	526	526	536	526	528	525	514	492	493	503	505	518	516	516	517	507	531	549	552	547	546	548	557
22	545	529	531	531	534	534	531	525	514	521	503	513	510	524	531	535	534	540	534	543	554	534	532	540
23	543	539	537	526	525	527	534	527	490	502	517	515	506	526	526	530	526	531	539	540	534	535	532	542
24	539	532	534	535	536	536	534	525	519	512	513	513	521	523	524	527	531	529	535	536	542	534	539	552
25	561	557	549	550	551	548	549	538	529	518	514	514	512	511	513	519	526	531	534	540	542	544	544	546
26	544	544	543	539	534	527	528	525	521	522	521	520	524	528	537	536	541	541	537	542	544	542	541	544
27**	543	541	541	538	536	532	527	520	516	516	521	535	543	547	551	548	552	566	582	546	568	560	561	564
28**	552	549	545	539	540	544	537	518	517	519	518	522	522	530	539	537	554	547	530	535	544	537	534	537
29	538	536	535	537	532	529	527	521	515	509	507	514	518	523	531	531	536	540	541	548	549	545	544	547
30	551	541	545	537	544	537	536	524	504	502	502	505	511	520	528	526	533	537	538	543	544	542	545	547
31	545	544	545	547	549	542	530	515	512	507	512	517	519	525	528	532	537	538	543	542	543	542	542	539
Mean	543	541	539	539	538	536	533	525	516	514	515	519	524	528	530	534	536	541	543	546	547	544	543	544
Mean*	539	539	538	539	537	534	532	526	520	514	515	519	526	531	533	538	539	541	542	546	546	544	543	543
Mean**	541	540	540	540	540	539	537	525	512	508	511	515	523	526	528	532	535	544	548	543	549	545	544	546

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

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

	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	566	540	528	546	546	530	532	523	517	514	517	517	522	525	534	538	544	547	547	546	546	546	545	543	
2*	540	540	540	539	538	535	531	527	519	514	513	519	528	540	540	546	544	543	545	548	546	546	545	543	
3	543	541	539	540	545	536	538	535	526	517	517	525	536	546	543	538	538	540	546	550	549	540	542	543	
4	542	538	541	538	538	535	530	522	516	509	504	504	519	531	543	546	543	544	544	543	553	548	543	536	
5	538	536	533	538	543	538	534	527	521	510	504	509	517	531	535	540	538	536	537	543	551	543	538	535	
6	532	534	532	532	534	534	532	524	518	510	501	509	518	529	527	519	530	535	540	544	544	545	543	539	
7	543	543	543	548	544	541	536	530	522	514	508	504	515	522	521	518	516	530	543	544	543	543	546	546	
8*	556	538	530	534	535	530	534	527	517	507	505	509	522	527	531	532	532	537	540	541	540	540	541	541	
9	543	541	535	535	534	532	532	527	527	528	526	528	530	532	534	539	543	550	543	546	534	531	525	534	
10	534	532	529	533	532	533	527	526	516	514	508	529	519	524	533	531	541	549	538	520	526	544	549	543	
11**	554	536	550	567	539	549	539	523	535	536	541	541	554	523	510	528	557	544	531	503	531	593	545	494	
12**	519	529	509	533	529	518	498	485	485	480	485	497	509	516	518	518	518	523	520	522	536	524	526	520	
13*	519	518	520	519	518	515	507	505	502	500	494	502	514	521	527	526	523	523	527	528	528	528	525	524	
14	523	526	527	527	525	521	515	509	504	504	503	509	524	533	536	533	531	532	536	535	535	540	529	523	
15	531	536	531	529	529	526	521	510	502	496	501	513	518	520	531	523	526	518	528	528	521	523	554	520	
16	520	531	530	535	532	526	519	505	502	505	503	506	506	509	514	518	521	519	536	528	529	522	519	514	
17	517	535	535	531	533	540	540	511	508	501	498	492	496	500	507	489	523	528	515	507	506	520	524	534	
18**	539	541	522	536	552	541	532	499	487	473	460	466	467	485	473	507	510	518	519	523	526	523	551	526	
19	523	528	533	515	541	518	513	510	501	484	469	477	492	501	502	508	514	523	529	526	523	509	502	499	
20	505	523	520	518	525	520	520	520	513	507	500	508	520	527	531	526	523	525	531	532	533	533	533	535	
21*	533	531	530	529	531	528	527	523	518	513	509	514	521	519	519	515	518	518	523	528	531	531	530	532	
22*	531	531	531	531	532	532	530	524	515	510	510	515	522	523	524	524	528	533	539	540	538	537	534	535	
23**	535	537	539	539	542	549	554	541	520	513	507	500	494	513	494	518	515	498	474	464	464	459	463	472	
24	476	479	515	513	510	509	511	510	508	505	503	504	503	510	515	523	523	515	515	505	515	529	527	530	
25**	545	534	530	526	525	507	507	489	435	437	459	468	487	494	503	472	495	499	498	511	514	536	524	519	
26	516	516	519	530	537	498	501	497	497	492	483	474	480	484	495	514	501	511	516	519	524	522	521	527	
27	529	526	521	521	529	530	526	502	475	481	483	493	498	507	506	504	499	507	516	515	516	524	528	526	
28	536	523	522	523	521	520	514	513	503	501	493	497	489	486	486	489	504	513	519	528	527	525	530	531	
29	528	544	529	524	528	531	528	518	519	504	494	494	505	504	512	515	520	525	529	526	526	526	533	524	
30	528	528	528	533	537	536	531	528	505	489	483	489	504	494	510	499	498	502	497	503	511	526	497	526	
Mean	532	531	530	532	534	529	525	516	508	502	499	504	511	516	519	520	524	526	527	527	529	532	530	527	
Mean*	536	532	530	530	531	528	526	521	514	509	506	512	521	526	528	529	529	531	535	537	537	536	535	535	
Mean**	538	535	530	540	537	533	526	507	492	488	490	494	502	506	500	509	519	516	508	505	514	527	522	506	
October.	18000 γ + Tabular Quantities (in γ).																								
1	524	532	529	528	530	513	520	501	503	501	506	503	505	509	518	525	528	534	538	546	544	527	531	534	
2	532	532	529	529	530	530	529	521	514	503	495	502	512	524	529	529	530	538	540	529	538	537	553	533	
3*	525	527	527	525	525	525	524	524	518	509	505	507	514	515	521	523	524	528	533	534	532	529	529	530	
4	527	529	529	531	534	536	537	534	526	516	506	501	508	516	524	527	534	534	540	533	537	533	534	536	
5*	533	537	532	532	531	530	529	524	517	508	503	501	506	516	524	529	532	537	537	537	534	534	532	532	
6*	532	532	532	532	534	534	533	529	520	508	506	506	510	520	530	532	534	537	542	544	545	545	544	543	
7	548	528	530	533	535	538	537	534	530	522	509	481	506	522	524	526	529	535	536	538	538	535	533	530	
8	528	527	528	530	531	534	535	532	522	511	507	508	514	522	520	527	530	530	538	534	537	536	549	535	
9*	526	532	530	527	526	528	528	522	517	509	507	496	507	512	525	525	529	530	533	533	534	533	533	533	
10	532	529	530	538	529	525	529	528	520	512	508	507	512	512	511	509	496	498	530	520	530	537	535	528	
11**	529	528	525	528	530	533	535	537	535	526	519	522	532	527	509	495	498	501	529	502	503	505	511	517	
12	538	541	518	520	522	524	525	525	522	517	513	512	513	516	522	526	527	531	533	531	531	532	534	535	
13*	536	530	536	531	526	528	532	532	525	515	510	504	505	513	518	522	529	536	539	540	534	536	536	539	
14	539	544	544	548	552	566	555	529	516	501	492	489	503	513	516	520	521	527	529	526	519	531	529	531	
15	531	540	555	528	529	536	531	526	515	500	492	482	487	507	509	503	526	514	519	533	516	509	523	531	
16	534	529	533	544	528	542	547	531	516	500	497	501	512	519	504	509	510	517	520	524	522	528	530	530	
17	535	524	527	525	531	539	527	528	515	498	486	475	487	502	513	505	518	518	526	531	526	521	533	534	
18	534	541	536	530	535	527	520	518	527	521	511	501	510	517	518	523	524	518	503	514	526	527	526	531	
19	539	524	524	530	534	536	539	529	518	509	497	487	491	500	512	520	523	528	526	526	531	524	530	544	
20**	530	521	523	526	529	534	536	529	523	525	503	481	475	484	471	465	461	482	479	487	489	482	508	510	
21**	510	508	504	504	508	513	500	511	487	476	470	467	469	492	502	504	498	502	510	490	504	513	540	490	
22	504	507	514	507	511	514	514	511	503	493	481	480	467	482	503	495	501	508	511	517	540	527	524	522	
23	522	520	523	522	519	522	519	514	506	498	493	495	503	506	511	516	522	524	527	525	529	531	529	531	
24**	535	529	524	524	527	528	525	505	485	483	475	454	445	454	467	467	464	489	493	498	507	506	506	504	
25	501	502	511	509	511	508	506	503	498	488	480	482	487	493	498	514	519	524	525	518	493	495	511	516	
26	511	506	511	510	514	514	516	512	506	496	488	484	484	490	498	508	516	523	522	522	523	522	522	522	
27**	520	519	522	527	533	530	535	527	535	527	508	511	495	484	486	488	488	501	495	483	471	480	516	502	
28	502	531	521	510	511	506	504	498	503	494	485	482	488	499	506	510	509	479	480	506	514	518	522	516	
29	516	513	516	521	520	521	522	518	512	487	487	493	493	493	491	497	500	503	507	507	520	522	521	522	
30	522	521	523	529	535	525	525	506	500	492	493	496	491	478	488	473	476	488	506	509	517	520	518	520	
31	520	525	527	527	525	530	527	504	501	497	499	493	477	493	476	504	525	525	527	535	533	530	531	529	
Mean	526	526	526	526	527	528	527	521	514	505	498	494	497	504	508	510	514	517	522	522	523	523	528	526	
Mean*	530	532	531	529	528	529	529	526	519	510	506	503	508	515	524	526	530	534	537	538	536	535	535	535	
Mean**	525	521	520	522	525	528	526	522	513	507	495	487	483	488	487	484	482	495	501	492	495	497	516	505	

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

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

	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	522	522	520	520	514	530	535	536	532	521	512	517	517	518	522	518	526	533	532	533	534	530	529	533
2	525	519	516	517	526	533	536	533	522	509	503	497	506	510	520	525	530	520	512	519	509	544	523	517
3	534	531	527	514	517	521	520	522	514	508	501	496	501	509	515	517	507	529	529	533	542	533	534	543
4*	524	524	524	525	526	528	532	531	526	516	507	502	501	510	517	521	527	531	532	533	533	534	535	532
5**	531	530	534	527	532	534	537	537	532	512	504	510	511	512	520	519	519	504	519	500	532	520	562	538
6	515	514	513	513	529	527	519	514	524	507	491	496	499	505	512	516	520	523	525	526	528	529	529	529
7	526	523	523	526	527	526	526	525	521	515	508	500	503	511	519	522	527	528	527	519	516	522	526	527
8	526	525	530	526	525	531	537	532	522	508	495	495	500	509	514	508	507	513	526	528	532	534	533	532
9	532	532	532	534	535	534	537	535	529	523	503	505	513	520	522	525	529	532	534	536	533	529	526	524
10*	524	523	526	528	528	532	530	529	524	521	519	516	519	519	524	526	529	537	535	536	536	538	539	539
11	537	537	535	536	539	540	539	539	541	532	532	522	516	522	528	532	533	529	534	517	516	519	532	534
12**	531	528	532	534	529	547	537	524	522	521	516	502	480	507	513	477	466	488	511	517	517	512	505	537
13**	498	507	505	509	511	512	524	521	514	508	492	492	500	501	495	496	490	498	516	519	519	520	535	519
14**	516	516	523	520	525	534	511	511	519	511	494	491	490	490	494	497	491	482	500	496	500	493	519	515
15	522	521	519	512	513	518	519	518	512	502	495	495	501	510	513	521	524	525	524	526	526	525	526	524
16	523	523	525	525	528	528	528	527	521	507	500	502	507	515	512	511	511	519	523	520	513	515	518	515
17*	518	514	512	515	518	520	525	528	527	520	513	511	512	515	518	523	525	528	521	523	531	532	531	531
18	528	527	528	529	528	526	527	528	525	519	513	511	518	520	521	521	516	525	536	534	536	538	533	538
19	527	520	523	526	526	532	536	526	515	512	499	484	485	491	502	505	518	518	525	527	526	528	527	527
20	526	526	525	526	531	532	531	529	520	504	504	504	491	495	487	497	507	525	524	520	526	536	535	531
21	528	528	528	528	528	531	536	525	527	515	508	501	504	511	506	504	512	525	528	528	528	531	531	529
22	528	527	527	528	528	528	525	525	521	519	515	510	513	518	515	512	522	518	526	522	525	527	530	538
23	536	528	527	528	533	532	525	525	527	518	510	507	511	515	515	518	521	523	525	528	531	531	532	533
24	533	533	532	532	531	532	532	533	531	523	525	529	527	528	528	532	533	536	532	525	528	533	532	530
25*	536	531	531	531	533	535	533	533	533	528	523	521	525	528	531	532	532	531	532	532	531	531	528	525
26*	523	523	528	528	528	530	529	529	528	519	517	519	521	524	525	528	531	533	533	536	531	524	528	530
27**	528	528	530	529	531	533	533	537	532	527	526	527	528	527	537	534	513	508	493	473	514	523	524	523
28	521	520	519	521	526	528	526	527	528	521	525	529	523	516	515	512	514	511	511	516	518	524	527	529
29	530	531	531	535	546	548	549	546	545	541	533	535	538	538	536	535	536	540	540	538	531	536	521	522
30	523	524	525	533	532	518	544	546	528	512	497	503	515	515	520	522	522	518	533	511	508	514	525	515
Mean	526	525	525	525	527	530	531	529	525	517	509	508	509	514	517	517	518	521	525	522	525	527	529	529
Mean*	525	523	524	525	527	529	530	530	528	521	516	514	516	519	523	526	529	532	531	532	532	532	532	531
Mean**	521	522	525	524	526	532	528	526	524	516	506	504	502	507	512	505	496	496	508	501	516	514	529	526
December.	18000 γ + Tabular Quantities (in γ).																								
1**	518	518	518	517	512	522	521	515	511	504	501	509	510	502	510	523	500	523	520	528	523	538	532	512
2	527	515	510	528	528	529	526	519	512	498	503	503	473	508	519	521	520	522	527	527	528	527	518	514
3	523	507	511	515	513	516	518	516	514	510	507	506	510	512	519	495	493	499	522	515	530	522	524	525
4*	520	517	523	519	518	520	520	518	516	514	514	514	518	523	525	527	523	526	527	531	531	528	528	524
5*	525	523	523	524	525	525	524	521	521	517	518	517	524	527	528	528	532	531	532	534	528	520	529	531
6*	530	528	527	528	529	531	530	528	523	520	515	510	514	520	521	522	524	526	526	524	527	530	527	524
7	524	523	521	524	528	529	527	525	524	519	514	504	502	505	519	521	524	526	527	527	530	533	528	524
8	530	531	528	526	527	530	537	535	533	528	527	524	526	530	533	533	531	522	528	530	542	531	528	529
9	528	526	527	528	532	536	536	537	535	529	520	510	509	517	520	523	528	529	530	518	516	515	523	531
10	523	524	532	531	535	539	540	539	536	529	519	511	517	524	528	528	524	514	524	526	524	520	527	527
11	530	529	527	530	533	536	537	537	527	518	514	504	515	514	515	518	522	528	531	531	529	517	526	526
12	524	528	528	531	531	532	531	530	532	530	527	523	523	524	520	507	494	514	519	507	523	522	515	519
13	522	525	531	535	543	540	532	524	522	515	509	508	498	505	516	518	515	520	524	524	524	524	524	523
14**	524	524	523	524	527	527	527	525	524	521	502	493	502	502	496	506	488	498	476	495	509	504	511	524
15	511	511	505	527	511	514	519	517	494	478	476	475	478	483	489	504	506	498	505	523	522	524	521	519
16	524	532	520	531	524	535	524	513	522	506	478	488	498	496	481	487	511	509	513	514	513	541	523	516
17	515	518	519	519	520	524	526	523	514	504	501	497	496	515	519	518	518	515	526	528	526	525	527	536
18	524	520	523	526	529	536	535	530	522	514	510	508	509	505	513	514	518	523	517	525	523	520	525	532
19	530	518	519	523	526	528	524	521	516	513	506	507	508	518	522	518	520	522	518	522	519	523	523	526
20	539	525	524	527	528	531	531	526	523	518	518	515	518	516	516	508	514	518	522	522	531	524	531	528
21	528	528	527	528	530	530	531	531	524	517	524	524	522	520	519	522	527	532	533	533	527	524	524	527
22*	533	533	532	531	532	532	532	532	530	522	522	520	527	527	529	525	527	530	530	533	532	530	529	528
23*	527	528	530	531	532	532	533	532	534	532	530	524	519	519	520	524	531	533	535	536	536	533	531	532
24	533	533	535	536	537	539	538	536	538	536	534	532	532	532	528	527	530	533	537	539	545	548	535	517
25	513	517	524	524	530	535	539	545	540	536	528	527	531	528	521	524	532	531	516	499	495	497	505	507
26**	503	506	506	517	517	525	540	541	542	534	529	526	530	521	517	515	501	517	512	506	504	506	506	496
27**	487	499	511	516	520	531	537	524	515	515	507	498	511	518	512	525	517	513	502	490	494	491	504	493
28**	491	528	518	516	515	517	515	520	529	528	489	498	522	531	522	529	527	525	520	530	525	517	518	526
29	511	514	514	514	518	520	517	515	512	511	508	508	519	516	514	524	521	523	527	528	528	527	529	519
30	514	520	520	523	524	520	519	513	515	513	502	503	514	519	520	520	523	524	511	528	527	526	524	521
31	526	520	522	524	524	525	524	518	517	509	505	507	511	518	528	529	526	520	523	524	528	533	528	523
Mean	521	522	522	525	526	529	529	526	523	517	512	510	513	516	517	519	518	521	521	523	524	523	523	522
Mean*	527	526	527	527	527	528	528	526	525	521	520	517	520	523	525	525	527	529	530	532	531	528	529	528
Mean**	505	515	515	518	518	524	528	525	524	520	506	505	515	515	511	520	507	515	506	510	511	511	514	510

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

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

	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	975	972	969	970	968	970	970	970	971	973	975	972	972	974	975	975	974	974	975	975	978	978	974	975	
2	973	971	968	962	961	965	967	970	973	974	980	979	977	978	979	980	978	976	976	977	975	974	975	974	
3	974	971	968	969	971	973	972	973	976	975	975	973	974	976	979	976	976	976	976	976	976	974	974	975	
4	960	962	968	969	970	972	972	969	969	969	969	972	976	979	982	984	983	982	981	982	978	976	976	974	
5	974	974	974	973	972	972	970	971	972	971	970	970	974	977	980	979	977	975	973	972	971	972	970	970	
6*	971	971	971	971	971	970	970	969	969	967	967	969	970	973	975	974	973	972	971	970	970	969	969	969	
7*	969	969	970	970	969	969	967	967	966	964	961	962	963	967	972	971	971	971	970	969	967	966	966	966	
8*	967	966	966	966	966	967	966	965	963	960	961	961	962	963	966	966	968	968	967	968	968	967	966	965	
9*	961	962	963	964	965	965	964	964	961	959	957	960	964	969	970	971	970	970	969	968	968	968	968	967	
10*	967	966	965	965	966	967	966	966	964	961	961	961	962	965	967	967	969	970	971	971	971	969	969	969	
11	969	962	964	968	968	969	968	968	969	969	969	965	965	971	974	975	976	974	974	974	974	973	972	972	
12	971	970	969	969	970	970	970	970	970	970	970	971	971	974	975	973	971	972	973	972	971	972	970	963	
13	967	968	969	969	969	968	968	969	970	971	971	970	965	968	973	973	973	973	973	974	974	974	974	973	
14	972	972	972	972	971	972	971	971	973	971	972	972	969	972	975	973	973	972	972	972	972	971	972	969	
15	971	971	971	971	970	970	970	970	971	971	970	970	974	977	980	980	980	982	981	980	980	978	977	977	
16	974	974	974	972	972	972	971	971	972	972	970	968	969	974	976	974	974	973	971	971	973	974	976	978	
17**	976	969	948	961	966	968	967	967	966	966	968	971	981	984	989	987	991	984	980	977	977	977	978	971	
18	966	972	969	967	971	971	971	971	971	971	970	970	971	975	981	981	977	978	976	975	976	974	975	975	
19	970	970	971	972	972	973	971	971	970	972	973	975	975	976	977	979	978	976	976	976	976	974	973	974	
20	974	975	973	971	972	971	970	971	970	969	969	970	969	971	974	975	974	974	973	972	974	974	974	973	
21	972	974	974	974	974	973	970	969	969	971	974	975	976	980	981	979	978	977	976	980	984	980	983	985	
22	981	978	979	977	978	978	974	971	971	971	971	972	976	979	979	977	981	979	978	977	977	978	978	976	
23**	972	973	971	972	972	968	967	967	966	965	962	962	964	973	977	980	981	981	981	986	980	971	972	972	
24**	974	973	972	972	974	972	971	969	972	972	971	969	968	972	975	981	987	987	985	982	979	980	972	972	
25	975	974	968	970	974	975	975	973	973	972	973	973	970	977	980	980	983	983	984	981	978	976	975	973	
26	969	966	964	968	973	973	973	973	973	970	968	970	972	975	978	978	980	978	978	977	976	976	974	973	
27**	973	973	973	973	973	973	973	972	972	972	970	969	970	975	976	972	968	968	970	980	997	985	979	978	
28**	978	980	964	967	965	962	963	967	969	974	974	974	979	984	985	983	981	980	979	979	979	979	979	978	
29	978	977	975	975	976	976	975	974	974	974	974	971	971	976	979	979	976	976	976	976	975	975	976	974	
30	974	974	973	973	974	974	974	975	976	974	971	969	974	979	981	981	980	979	978	978	979	978	976	975	
31	975	972	970	970	972	972	972	972	971	971	973	970	970	974	977	979	977	977	977	976	977	977	976	975	
Mean	972	971	969	970	971	971	970	970	970	970	970	970	971	974	977	977	977	976	976	976	976	975	974	973	
Mean*	967	967	967	967	967	968	967	966	965	962	961	963	964	967	970	970	970	970	970	969	969	968	968	967	
Mean**	975	974	966	969	970	969	968	968	969	970	969	969	972	978	980	981	982	980	979	981	982	978	976	974	
February.	42000 γ + Tabular Quantities (in γ).																								
1**	974	973	971	971	971	973	971	973	974	974	976	978	981	984	987	991	996	1007	1019	1018	1011	1003	993	985	
2**	974	964	957	953	938	942	951	959	964	964	964	969	975	979	986	989	996	998	1008	1018	1011	1001	993	987	
3	984	982	983	983	982	981	979	979	975	974	974	976	984	989	989	989	986	986	985	984	984	983	982	979	
4*	979	980	979	978	979	979	979	977	976	974	976	976	976	976	981	980	979	979	979	979	979	978	977	977	
5	976	976	976	977	978	978	976	974	974	973	973	971	973	976	981	982	980	981	980	979	978	976	976	975	
6	974	973	974	975	976	976	974	971	971	968	969	973	972	974	979	980	979	979	979	979	976	976	976	974	
7	974	974	975	976	976	977	976	975	974	971	967	969	969	971	976	975	975	975	975	974	975	976	974	974	
8	974	975	973	974	974	974	973	971	970	969	969	968	969	969	974	976	978	976	975	974	973	971	971	969	
9	969	967	967	969	970	971	970	969	970	969	969	971	973	972	975	974	974	974	974	975	974	973	973	971	
10	972	970	970	971	971	972	971	970	971	970	970	969	970	970	970	970	972	976	975	974	974	972	972	970	
11*	970	969	968	969	969	970	969	970	971	969	969	966	970	972	972	970	971	973	974	975	974	975	975	973	
12	974	968	968	971	972	974	973	974	972	967	963	964	967	970	973	975	978	977	977	978	978	978	977	977	
†13**	976	974	973	970	971	973	972	971	970	962	968	970	—	—	982	—	—	986	989	996	991	981	978	957	
14**	956	959	948	948	956	958	968	971	973	973	975	975	980	989	990	994	996	993	990	987	983	980	980	981	
15	975	971	973	975	975	975	973	975	978	977	974	973	978	980	983	988	993	992	991	991	990	985	985	983	
16	981	978	979	979	979	979	977	977	979	978	975	975	977	978	982	987	992	990	990	984	982	981	979	977	
17	976	969	972	973	974	973	976	977	978	977	976	974	974	976	978	983	983	982	981	981	978	976	976	977	
18	978	978	973	969	971	972	971	972	975	973	971	971	972	975	978	983	983	981	981	983	978	980	981	976	
19*	974	976	978	976	977	977	976	976	975	973	969	968	969	971	976	978	980	979	981	978	977	976	976	976	
20	975	975	975	975	975	975	973	974	975	974	971	970	972	975	977	980	981	981	984	980	980	981	982	977	
21	975	968	967	972	975	975	972	971	970	976	963	963	971	975	977	980	987	990	987	983	980	975	973	976	
22	973	969	971	971	969	973	972	973	972	971	971	972	971	971	975	980	981	981	980	978	976	976	976	975	
23	975	975	973	973	973	973	971	972	972	970	966	961	964	969	971	973	977	978	978	978	981	983	980	969	
24	972	970	972	972	973	972	972	972	972	969	966	966	967	972	979	987	994	997	999	1000	999	997	992	989	
25	987	980	969	971	969	969	968	967	968	968	964	962	966	968	969	977	977	975	975	975	975	975	974	973	
26**	973	973	971	971	970	969	966	969	973	975	973	968	973	982	986	990	997	1004	995	989	985	984	983	979	
27*	975	973	973	974	974	975	974	975	977	974	970	968	971	971	973	975	975	975	975	975	975	974	973	973	
28*	974	973	972	972	972	974	973	974	975	972	969	967	967	969	970	974	976	975	976	976	975	974	974	972	
Mean	975	973	971	972	972	972	972	972	973	972	970	970	972	975	978	981	983	984	984	983	982	980	979	977	
Mean*	974	974	974	974	974	975	974	974	975	972	971	969	971	972	974	975	976	976	977	977	976	975	975	974	
Mean** 4 days	969	967	962	961	959	961	964	968	971	972	972	973	977	984	987	991	996	1001	1003	1003	998	992	987	983	

* Denotes an International Quiet Day. ** Denotes an International Disturbed Day. † February 13 has been omitted, in computing the means.

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

	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	974	974	974	974	974	974	974	975	972	969	967	964	970	976	978	981	979	978	980	988	981	979	978	976
2	977	976	975	974	973	972	972	975	975	975	973	973	975	982	987	989	994	987	984	979	979	979	977	977
3	977	975	972	970	972	972	972	973	972	968	966	965	967	971	977	982	983	982	987	982	979	979	973	972
4*	976	973	973	974	975	975	973	973	974	973	972	969	973	974	978	980	983	980	979	978	977	976	975	975
5	974	974	975	974	973	973	972	972	969	965	961	956	960	965	973	977	979	977	977	976	977	977	969	968
6	969	971	973	974	974	974	972	972	969	964	961	960	964	969	974	979	983	981	981	981	983	981	980	979
7	977	977	977	978	978	977	974	971	967	963	962	959	962	967	974	979	980	979	979	979	979	977	977	974
8	975	975	975	976	975	975	973	973	970	968	964	963	962	968	974	978	981	980	980	980	980	980	982	981
9	980	980	980	978	977	976	975	973	970	968	965	963	962	968	975	975	978	978	975	975	974	973	974	973
10*	974	973	974	973	972	972	974	974	974	971	968	963	964	966	971	977	981	981	982	982	983	983	982	981
11	980	978	977	976	976	976	975	975	973	970	967	964	962	967	978	989	989	991	990	985	982	980	978	977
12	978	977	976	976	976	978	976	978	979	976	970	961	963	968	970	974	975	974	974	975	976	976	976	976
13**	974	972	974	974	965	966	966	966	966	968	966	963	966	971	983	996	1015	1023	1020	999	987	983	981	980
14**	980	979	979	973	973	974	972	964	959	962	967	964	972	984	1005	1009	1033	1026	1013	1000	983	969	972	975
15**	962	953	952	951	958	964	967	964	962	966	962	961	964	974	996	996	991	994	990	985	986	979	972	974
16**	972	970	968	972	973	973	973	977	975	974	969	967	970	978	985	992	995	1000	992	990	984	979	980	976
17	971	973	975	975	975	975	975	979	978	975	973	970	973	976	983	985	987	985	985	983	985	984	975	973
18	959	959	968	973	977	978	979	979	975	972	972	972	973	975	979	988	994	993	992	991	984	986	982	983
19	978	972	976	978	978	978	978	981	982	978	971	968	972	977	982	985	987	983	983	985	989	983	983	984
20	983	982	979	981	982	983	983	983	979	973	969	967	970	971	976	982	988	990	994	989	986	982	983	979
21	973	975	976	978	980	979	975	972	970	967	965	961	965	969	976	998	1010	1013	1005	998	993	991	986	975
22	974	971	968	970	975	976	978	978	978	975	973	971	973	976	980	985	985	982	981	980	980	980	980	979
23	978	978	978	975	977	978	977	978	977	970	964	959	958	963	971	979	981	983	981	980	979	980	978	969
24	971	963	963	953	958	961	966	971	969	965	962	961	966	973	978	986	988	991	991	986	986	984	983	980
25	979	977	975	975	976	976	977	976	971	965	962	960	962	967	975	982	984	985	983	981	980	979	978	977
26	977	975	974	977	978	976	976	974	972	967	962	963	968	972	978	986	990	990	988	985	983	982	980	979
27*	977	977	977	973	975	975	977	977	972	967	962	957	962	969	977	983	983	981	979	979	978	978	976	975
28*	975	974	974	974	975	976	977	978	975	967	960	957	965	972	977	983	984	982	983	982	981	980	979	977
29*	977	977	975	975	975	976	977	977	975	970	961	953	954	959	967	975	976	976	975	976	976	976	975	975
30**	975	973	972	972	971	972	973	975	972	965	960	957	959	965	979	982	978	974	972	972	976	977	975	972
31	973	972	972	972	972	971	975	975	972	965	962	960	960	965	973	980	984	981	979	977	977	977	976	976
Mean	975	973	973	973	974	974	974	975	972	969	966	962	966	971	978	984	988	987	986	983	981	980	978	976
Mean*	976	975	975	974	974	975	976	976	974	970	965	960	964	968	974	980	981	980	980	979	979	979	977	977
Mean**	973	969	969	968	968	970	970	969	967	967	965	962	966	974	990	995	1002	1003	997	989	983	977	976	975
April.	42000 γ + Tabular Quantities (in γ).																								
1	976	976	976	975	974	977	978	978	976	973	969	967	970	970	976	979	981	981	981	981	980	980	980	980
2*	979	978	978	977	977	978	979	980	977	972	967	961	959	961	970	975	976	977	976	976	975	975	975	975
3	976	975	975	975	974	974	975	975	970	967	965	962	963	964	969	971	973	974	971	971	971	971	971	971
4	974	972	970	972	972	973	975	975	972	967	964	960	960	965	973	976	980	978	977	976	974	972	970	967
5	968	971	971	972	973	975	976	976	971	964	958	952	957	962	967	972	972	972	972	972	972	972	971	968
6*	970	970	971	972	972	974	974	974	973	968	963	958	959	960	964	969	971	973	971	971	971	970	970	970
7*	972	972	972	972	972	972	972	973	970	966	961	954	952	957	962	970	975	975	974	972	972	971	970	970
8	970	970	971	971	971	971	970	971	971	968	959	954	959	966	973	975	978	979	976	973	973	973	973	971
9**	972	972	971	955	945	947	950	959	964	964	962	960	964	973	986	993	999	996	990	986	983	982	980	980
10**	980	980	979	978	978	982	983	982	978	969	958	960	962	965	976	984	993	1009	1021	1016	1013	1002	982	976
11**	974	958	958	960	967	970	971	972	972	967	961	967	969	978	988	1013	1002	1006	1004	998	991	973	960	957
12**	958	967	966	969	969	969	968	973	970	969	963	961	962	974	985	989	1002	1002	994	992	985	984	977	961
13**	968	956	948	949	956	966	968	970	972	973	969	967	969	974	987	1000	1002	1002	997	986	986	975	966	968
14	971	972	973	976	977	977	979	979	974	970	965	963	965	970	975	983	985	985	986	985	985	980	980	979
15	978	978	978	974	973	973	976	978	978	975	969	967	969	974	980	980	981	980	979	978	978	979	979	979
16	979	979	979	979	979	978	979	976	973	967	962	958	959	963	971	980	987	994	992	989	986	985	982	971
17	969	971	970	969	971	971	973	973	969	965	963	960	960	964	971	979	985	989	989	986	984	982	981	980
18	979	979	978	978	967	968	973	975	974	969	964	960	959	962	967	972	976	981	982	981	982	979	979	974
19	971	975	977	978	979	979	980	979	974	968	967	964	961	965	975	983	989	991	987	985	982	978	977	978
20	975	970	975	977	979	980	981	981	976	965	962	961	960	964	973	977	979	980	980	980	980	979	979	980
21	979	976	974	975	977	975	975	975	971	967	967	966	968	972	977	981	983	985	984	983	981	981	979	979
22	979	979	980	980	981	981	981	980	974	967	962	955	955	964	973	978	984	986	987	986	984	983	979	980
23	978	977	978	979	979	979	981	981	975	964	958	956	959	965	974	979	982	985	985	984	983	985	980	976
24	968	972	974	975	980	981	979	980	977	973	968	963	964	969	975	979	982	983	982	981	980	979	979	978
25	978	978	978	975	972	973	973	972	968	965	960	953	953	957	966	972	975	980	980	980	978	978	976	975
26	976	975	976	977	979	976	974	976	972	966	958	947	949	957	965	971	979	980	981	981	981	980	976	976
27*	975	974	974	976	978	976	975	975	974	969	964	959	959	961	966	971	973	976	979	977	977	977	976	976
28*	976	976	976	974	976	974	974	973	970	966	961	955	957	965	971	971	972	974	976	976	976	976	976	976
29	976	974	974	974	975	974	973	971	969	966	964	961	962	963	967	970	971	974	975	975	975	975	975	975
30	974	974	974	973	974	974	974	973	969	964	952	947	943	955	965	971	974	976	976	974	974	975	974	974
Mean	974	973	973	973	973	974	975	975	972	968	963	959	960	965	973	979	982	984	984	982	980	978	976	974
Mean*	974	974	974	974	975	975	975	975	973	968	963	957	957	961	967	971	973	975	975	974	974	974	973	973
Mean**	970	967	964	962	963	967	968	971	971	968	963	963	965	973	984	996	1000	1003	1001	996	992	983	973	968

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

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

	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**	973	973	973	973	974	974	975	975	970	965	960	958	957	965	975	979	986	992	993	990	985	982	978	956
2**	944	945	952	963	963	975	979	979	975	970	964	961	964	969	980	984	984	984	981	980	979	978	978	978
3	977	978	979	978	979	980	980	978	977	973	967	961	964	971	976	979	981	984	981	980	979	979	977	977
4	979	979	979	979	981	979	976	975	969	961	959	957	958	964	973	980	982	982	980	979	978	976	976	976
5	976	975	976	979	980	979	977	976	973	968	964	961	959	966	976	979	981	981	978	977	976	976	976	976
6*	976	976	976	976	977	976	976	971	969	964	957	954	959	965	974	979	981	982	981	979	977	976	975	975
7	975	975	976	977	977	977	976	975	972	970	962	955	950	956	964	970	976	981	979	977	976	975	975	975
8*	977	976	976	976	979	978	975	973	972	964	959	949	948	953	962	970	976	980	980	978	978	977	977	976
9*	977	977	977	978	979	978	977	974	972	968	960	952	952	961	964	971	976	980	980	979	978	978	978	977
10**	977	977	977	977	979	978	977	977	976	968	954	947	950	957	967	975	985	989	995	995	992	991	990	987
11	982	974	972	974	975	975	971	967	962	957	951	947	952	959	967	971	979	985	989	987	983	982	981	974
12**	972	973	963	962	960	962	962	964	960	953	951	949	954	963	973	976	984	985	983	981	981	979	971	973
13	975	976	974	970	972	974	975	974	972	966	959	955	964	969	974	975	976	979	977	979	976	977	976	976
14	976	975	971	969	971	971	971	971	971	968	962	959	961	970	977	980	980	982	981	979	978	978	977	977
15	978	977	977	977	978	978	978	977	974	971	964	961	959	962	967	971	976	976	978	979	978	978	976	977
16	976	968	965	968	972	974	975	966	964	954	950	946	951	959	967	977	981	983	981	978	978	976	977	977
17	976	974	976	977	979	979	977	972	969	965	961	958	959	962	970	977	979	981	979	977	974	974	974	974
18	975	975	976	976	980	979	975	975	971	962	951	948	955	961	970	977	980	982	980	979	979	975	975	974
19	971	966	963	970	974	975	975	975	973	966	959	959	965	970	979	984	985	988	988	985	983	980	977	975
20**	974	970	968	956	939	953	958	961	961	961	953	958	967	975	985	995	991	990	986	983	983	980	978	975
21	973	974	976	979	980	982	980	982	980	975	964	958	961	968	976	979	983	986	988	988	986	983	981	972
22	969	972	973	975	976	977	976	976	972	961	955	959	964	970	976	980	981	981	981	981	982	979	978	976
23	976	976	975	976	976	976	975	971	967	961	954	952	953	957	963	973	980	983	986	984	981	979	978	979
24*	978	976	977	977	980	980	977	977	975	972	963	955	954	963	972	980	984	985	985	983	980	979	977	977
25*	977	977	975	979	981	981	979	977	975	970	964	960	958	959	965	970	977	980	980	977	977	975	975	975
26	975	975	975	977	981	980	979	975	968	963	958	957	958	970	977	980	984	987	987	985	982	981	977	977
27	976	976	976	976	979	976	974	971	969	969	970	968	965	968	971	976	983	984	983	982	981	980	980	979
28	977	977	977	977	978	977	975	976	978	974	967	963	966	966	972	977	979	980	980	979	979	978	978	978
29	976	975	975	975	977	974	969	967	966	966	961	951	955	965	969	973	975	976	982	982	979	978	977	977
30	977	976	977	977	979	979	976	973	965	962	960	956	961	967	971	980	985	985	983	982	980	978	978	973
31	972	974	976	977	978	975	969	968	964	957	952	946	952	964	976	981	982	981	981	983	981	978	976	976
Mean	975	974	974	974	975	976	975	973	970	965	959	956	958	964	972	977	981	983	983	982	980	979	977	976
Mean*	977	976	976	977	979	979	977	974	973	968	961	954	954	960	967	974	979	981	981	979	978	977	976	976
Mean**	968	968	967	966	963	968	970	971	968	963	956	955	958	966	976	982	986	988	988	986	984	982	979	974
June.	42000 γ + Tabular Quantities (in γ).																								
1*	976	976	976	977	979	980	978	976	971	961	952	946	945	954	966	972	980	980	980	978	976	975	974	974
2*	974	975	975	976	976	976	976	976	972	965	961	956	955	956	966	974	979	982	981	977	975	972	972	972
3	974	975	974	975	976	976	975	972	969	964	950	947	948	953	965	971	977	980	978	975	974	974	974	973
4	972	974	974	972	972	970	972	971	970	965	958	955	956	966	970	972	976	982	985	983	982	977	974	973
5	971	971	972	973	975	977	977	974	970	960	953	953	953	958	963	977	986	984	985	980	975	975	974	973
6	972	972	972	973	975	972	972	967	965	957	945	939	939	950	960	967	977	981	980	980	977	976	975	974
7**	972	972	972	974	975	974	973	973	969	965	955	949	949	949	958	967	987	1000	1013	1016	1008	983	953	959
8**	957	952	938	932	961	974	973	973	966	964	965	965	969	974	984	986	987	986	986	986	985	983	983	981
9**	971	968	972	976	975	976	976	971	970	966	962	965	965	961	975	994	997	1001	1003	998	992	987	982	967
10**	959	963	969	972	976	975	976	974	969	964	962	966	967	972	993	1003	1013	1006	1003	996	983	983	981	982
11	979	978	979	981	986	984	983	980	978	979	975	970	976	980	987	986	997	997	1002	997	991	987	984	980
12	978	980	981	981	983	982	982	978	975	975	972	967	966	967	974	980	985	985	985	989	989	985	984	979
13	973	975	976	978	979	979	980	981	979	974	971	975	969	976	981	982	984	988	992	990	987	985	983	982
14	978	974	975	978	980	980	979	974	973	971	970	970	968	966	973	976	979	982	985	984	982	981	981	980
15*	981	981	981	981	984	981	979	977	971	966	966	966	969	974	977	979	981	984	984	984	981	980	979	979
16*	980	981	981	982	984	981	977	976	978	974	969	957	961	964	971	974	981	984	984	981	979	980	979	978
17	978	978	979	980	981	978	974	972	970	967	964	959	960	964	969	978	980	985	983	985	988	980	981	981
18**	979	979	973	970	968	968	969	972	969	968	965	960	967	977	989	1017	1039	1048	1041	1023	1007	996	989	989
19	985	983	978	980	985	986	983	980	978	974	970	965	968	968	975	980	985	996	1006	1001	993	990	988	986
20	985	980	980	985	985	984	983	985	983	981	975	970	968	968	980	990	995	996	995	997	991	988	985	985
21	975	979	980	984	985	988	990	991	988	980	972	963	963	963	970	986	999	1008	1010	1006	997	990	988	985
22	985	985	986	988	990	991	989	988	985	980	977	968	966	966	974	983	989	993	995	991	989	984	981	981
23	982	980	981	982	983	982	980	980	980	976	966	966	961	964	975	983	987	988	985	982	979	978	977	974
24	974	974	974	974	974	977	977	977	971	964	959	953	957	960	969	974	978	980	981	980	979	975	975	975
25*	975	976	974	976	977	977	977	977	970	967	963	952	953	961	969	975	980	980	977	977	978	977	977	977
26	975	975	974	976	979	979	978	978	972	966	962	961	961	971	976	978	981	978	978	978	977	976	976	975
27	974	969	972	974	978	978	976	974	969	968	967	963	966	972	981	988	987	984	984	980	980	978	978	977
28	979	978	978	979	982	981	979	977	972	968	962	961	967	967	975	979	979	981	989	990	990	985	980	978
29	969	969	966	970	973	975	976	974	969	962	957	957	963	968	975	979	983	987	989	987	984	981	980	977
30	976	976	971	972	975	980	979	973	964	963	962	960	960	958	968	976	980	984	984	984	982	979	976	977
Mean	975	975	974	976	978	979	978	976	973	969	964	960	961	965	974	981	987	990	991	989	985	981	979	977
Mean*	977	978	977	978	980	979	977	976	972	967	962	955	957	962	970	975	980	982	981	979	978	977	976	976
Mean**	968	967	965	965	971	973	973	973	969	965	962	961	963	967	980	993	1005	1008	1009	1004	995	986	978	976

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

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

	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	977	976	977	977	979	980	978	977	971	964	952	946	954	961	969	977	984	985	984	979	977	977	977	978	
2	976	974	974	976	977	976	979	979	979	978	972	964	958	964	973	979	983	988	984	983	979	978	975	978	
3	976	976	977	980	983	983	979	975	971	968	962	962	965	968	972	980	985	984	980	979	979	976	975	975	
4	974	975	975	979	980	980	980	977	970	965	962	955	956	960	965	975	980	980	980	980	979	975	975	975	
5*	975	976	976	979	981	983	980	979	972	967	964	960	960	969	975	981	981	985	987	984	980	976	976	976	
6*	976	976	976	979	981	981	981	981	979	971	963	959	961	964	966	971	978	983	983	983	980	976	975	974	
7	975	975	975	976	977	979	980	977	970	960	951	948	950	955	965	970	976	982	982	981	978	976	974	976	
8**	975	974	974	975	976	976	975	975	968	967	970	975	982	988	995	994	998	1001	1002	998	995	988	983	982	
9**	981	978	978	981	982	982	981	979	976	972	968	956	956	965	979	985	986	980	980	979	980	977	977	973	
10	972	973	972	974	978	977	979	982	977	969	967	963	963	966	969	978	979	984	984	982	980	978	978	975	
11	975	976	974	977	977	977	975	974	967	967	969	965	964	969	974	979	988	992	985	982	979	979	977	977	
12	977	978	978	978	979	975	973	969	967	968	965	961	961	963	967	970	978	984	983	982	981	980	978	978	
13	978	978	978	978	979	979	978	979	972	963	961	959	963	971	982	983	983	982	981	980	980	979	978	978	
14	977	975	976	978	980	981	978	973	964	958	957	957	961	968	976	979	983	985	982	979	980	979	980	977	
15	977	977	979	980	982	981	980	977	974	965	963	968	970	972	982	993	999	1002	997	990	986	984	982	984	
16	983	981	982	983	983	982	983	981	973	972	972	964	966	973	983	991	996	993	985	981	980	978	978	978	
17*	979	979	980	982	984	984	983	981	972	964	962	967	970	977	985	989	987	986	983	979	979	978	977	977	
18*	977	977	978	980	981	980	982	980	974	969	964	958	956	963	974	980	983	985	984	980	978	975	975	974	
19	974	975	972	965	972	969	969	969	967	964	962	957	963	971	979	988	994	995	991	986	980	979	977	975	
20	975	974	971	973	976	978	980	979	975	970	966	955	957	962	970	974	978	980	981	976	974	973	972	971	
21	971	971	971	972	973	974	976	971	961	955	943	939	946	954	959	971	976	979	981	981	978	976	974	974	
22**	975	973	973	973	976	975	975	975	970	968	963	950	950	957	967	975	986	994	992	984	979	978	975	965	
23	962	968	972	973	973	973	976	974	968	964	963	961	958	963	969	971	977	979	978	978	978	978	978	978	
24**	977	974	973	972	973	972	977	972	965	969	967	959	958	962	978	981	984	986	990	992	989	984	978	959	
25**	971	948	958	965	955	951	963	969	970	970	963	961	971	983	995	1001	1001	1002	1006	1005	1004	994	988	984	
26	974	974	975	980	983	986	985	984	982	979	974	976	979	985	982	982	984	982	982	984	982	981	981	981	
27	982	981	979	973	974	976	980	981	983	979	969	961	962	966	971	979	981	980	979	977	978	979	979	979	
28	979	980	980	979	979	980	979	979	977	974	971	972	975	976	980	983	983	982	984	983	984	982	982	982	
29	980	980	982	981	982	981	981	981	978	973	970	967	964	972	981	989	993	993	985	988	991	988	986	985	
30*	984	981	981	981	983	982	981	981	979	977	974	970	966	970	978	986	984	985	984	982	982	980	978	978	
31	979	980	981	981	981	981	982	980	971	961	955	951	958	966	973	980	978	982	981	976	974	973	973	972	
Mean	976	975	976	977	978	978	978	977	972	968	964	960	962	968	975	981	985	987	985	983	981	979	978	976	
Mean*	978	978	978	980	982	982	981	980	975	970	965	963	963	969	976	981	983	985	984	982	980	977	976	976	
Mean**	976	969	971	973	972	971	974	954	970	969	966	960	963	971	983	987	991	993	994	992	989	984	980	973	
August.	42000 γ + Tabular Quantities (in γ).																								
1	970	968	968	973	975	975	975	972	965	960	960	967	970	972	977	981	982	984	983	980	977	975	975	974	
2	975	975	976	976	979	978	978	976	967	958	952	946	956	966	971	977	978	978	976	976	976	974	973	973	
3*	974	975	974	974	976	975	977	979	977	970	962	957	960	963	969	972	975	977	975	974	973	972	970	970	
4	971	971	974	974	975	975	974	971	964	958	954	954	954	956	963	971	972	972	973	974	972	972	971	971	
5	971	970	970	971	972	974	974	974	967	959	944	937	944	956	967	974	975	975	975	976	977	975	972	970	
6	971	970	971	972	975	973	972	968	963	955	950	954	960	969	982	985	983	982	981	980	978	977	973	973	
7	967	966	968	971	976	976	975	975	973	970	965	966	966	974	981	987	986	986	982	981	978	978	977	977	
8	976	975	975	976	979	978	977	976	970	963	961	962	965	966	969	975	979	981	979	979	978	978	978	977	
9	976	976	976	977	979	977	977	976	970	967	965	959	959	965	968	974	979	978	979	982	982	979	978	979	
10	978	979	978	979	979	978	979	977	974	969	965	963	964	965	969	976	978	979	981	983	980	981	980	977	
11	978	978	979	979	980	979	979	976	974	970	970	970	970	971	975	979	980	982	980	979	979	978	978	979	
12*	979	979	980	980	981	980	978	976	976	975	971	970	968	970	977	980	980	979	977	977	978	979	979	979	
13	980	980	980	979	979	977	977	976	969	961	955	952	954	958	961	969	976	978	978	977	977	977	979	977	
14*	977	978	978	978	980	979	978	977	974	968	963	957	958	964	972	978	978	976	973	973	973	972	972	973	
15	974	974	975	975	977	976	973	971	965	957	954	957	963	971	981	983	982	980	977	975	973	972	973	974	
16	975	976	975	975	977	977	975	971	967	959	954	957	961	965	974	982	984	983	981	980	978	975	974	974	
17*	975	975	976	976	977	976	974	973	967	964	961	954	952	959	967	975	980	978	975	973	973	971	971	971	
18**	972	974	975	975	976	976	977	974	971	967	963	959	957	963	974	977	980	982	980	977	976	974	973	974	
19**	973	973	973	974	975	975	974	971	969	966	957	956	956	960	970	978	984	990	989	987	982	981	977	975	
20**	970	971	969	971	974	976	974	974	974	975	975	968	966	967	976	984	990	992	991	989	987	985	981	976	
21**	965	969	973	974	973	979	981	980	978	981	977	976	972	975	981	988	989	993	991	988	985	983	981	973	
22	966	967	971	975	977	977	978	977	975	973	963	959	959	969	976	986	996	996	991	989	983	980	980	980	
23	972	969	965	971	976	977	979	978	974	972	970	967	966	971	977	983	987	988	986	986	987	986	985	983	
24	976	976	976	976	980	985	987	984	980	976	969	969	977	985	986	986	990	990	989	988	987	985	983	982	
25	977	967	968	965	963	965	966	967	966	971	968	963	964	969	975	980	986	985	983	981	981	980	980	980	
26	981	980	979	979	979	981	981	979	976	970	965	961	963	971	978	982	984	984	982	982	981	980	980	980	
27**	981	981	980	979	980	981	983	983	978	973	967	963	969	978	980	980	980	977	971	973	980	977	980	977	
28**	974	976	976	977	979	977	976	978	975	970	965	962	965	975	981	982	989	989	993	991	982	981	981	981	
29	981	982	981	980	979	981	982	979	971	965	963	964	968	975	980	983	983	982	978	978	978	975	976	976	
30	974	974	973	975	976	979	981	981	974	965	958	958	962	970	981	989	992	990	985	981	981	979	979	979	
31	978	979	979	976	976	976	978	980	981	975	970	966	973	981	985	989	986	984	981	981	980	980	976	976	
Mean	974	974	975	975	977	977	977	976	972	967	962	960	963	968	975	980	983	983	981	980	979	978	977	976	
Mean*	975	976	977	977	978	977	977	976	973	969	964	959	959	964	972	976	979	978	976	975	975	974	973	973	
Mean**	973	974	974	975	976	978	978	977	975	973	968	965	966	971	978	982	986	988	987	986	983	981	980	976	

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

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

	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	962	962	969	966	964	971	976	977	975	971	966	959	959	966	971	976	979	979	976	976	976	975	976	976	
2*	977	977	980	980	981	982	981	977	970	965	959	960	963	967	972	975	977	981	980	979	978	977	977	977	
3	978	978	978	979	978	976	978	976	971	966	961	956	954	960	966	974	980	981	979	979	978	978	978	978	
4	979	979	979	980	983	982	982	982	979	972	959	957	963	965	970	975	980	978	975	983	984	979	976	975	
5	975	976	976	975	974	975	975	975	976	972	966	964	968	974	979	982	984	985	982	981	980	979	977	977	
6	977	977	977	978	980	982	982	980	972	962	957	957	963	971	978	981	983	982	981	980	980	979	978	978	
7	977	977	977	974	974	977	979	975	969	964	956	951	957	964	970	985	986	987	983	983	980	978	978	978	
8*	972	970	974	976	976	979	979	978	973	964	959	958	961	967	974	976	979	978	978	977	977	976	977	976	
9	978	976	977	977	977	977	975	976	976	972	967	965	965	971	975	977	977	975	975	976	980	981	982	981	
10	981	980	978	973	976	976	976	973	970	963	962	958	958	968	976	978	978	979	983	991	991	986	979	973	
11**	969	969	973	972	971	969	969	969	959	954	952	954	961	971	983	989	1001	999	1010	997	994	968	957	961	
12**	946	933	942	933	938	933	948	966	972	976	975	971	972	975	982	988	990	990	988	985	983	982	981	981	
13*	984	984	984	984	985	986	987	986	984	981	974	973	973	975	982	989	989	990	987	986	985	984	984	986	
14	987	987	985	985	986	985	984	980	975	972	970	967	967	973	980	989	990	987	987	985	986	982	982	982	
15	981	978	981	983	986	986	986	983	980	976	971	972	973	981	993	1005	1009	1002	996	994	994	992	977	971	
16	976	977	977	978	976	982	984	983	978	973	970	967	970	977	985	991	994	992	992	993	992	991	989	984	
17	980	963	965	972	977	973	972	975	972	966	962	963	973	981	997	1005	1003	1000	1000	1000	998	992	988	982	
18**	969	959	969	974	972	969	976	979	979	978	979	981	989	999	1010	1008	1001	997	994	994	992	989	981	975	
19	977	975	970	972	971	971	977	979	982	980	980	979	979	982	987	993	990	989	989	992	992	982	985	984	
20	984	980	980	983	985	987	989	992	988	981	974	970	969	970	977	982	983	982	982	984	984	984	984	984	
21*	984	983	983	983	984	984	987	986	982	975	974	969	966	971	976	981	987	988	989	988	987	986	985	984	
22*	984	984	983	983	983	983	983	981	975	970	965	960	960	963	972	980	982	984	985	986	987	986	986	986	
23**	987	986	986	984	982	980	980	979	976	969	964	959	960	970	984	1010	1021	1028	1028	1028	1021	1011	1000	993	
24	988	985	977	983	980	983	990	988	985	982	978	978	979	980	985	993	1002	1004	1007	1012	1012	1005	1000	995	
25**	990	980	977	969	960	967	978	981	974	981	982	989	997	1002	1013	1023	1029	1029	1019	1012	1008	1003	995	990	
26	985	989	992	982	971	976	984	988	989	988	984	979	989	994	1006	1016	1013	1004	999	996	995	994	994	992	
27	990	990	990	990	987	987	986	985	986	987	982	984	992	997	1000	1006	1007	1007	1003	1002	1001	998	997	993	
28	985	986	990	991	993	993	993	989	986	983	980	977	979	989	998	1009	1009	1006	1003	999	997	996	995	995	
29	994	989	984	987	988	989	992	992	989	985	981	979	981	986	995	1001	1006	1001	1001	999	998	995	988	990	
30	993	995	996	994	992	988	990	991	990	991	990	987	988	991	998	1010	1024	1023	1023	1022	1013	1001	992	978	
Mean	980	978	978	978	978	978	981	981	978	974	970	968	971	977	985	992	994	994	993	992	991	987	984	982	
Mean*	980	980	981	981	982	983	983	982	977	971	966	964	965	969	975	980	983	984	984	983	983	982	982	982	
Mean**	972	965	969	966	965	964	970	975	972	972	970	971	976	983	994	1004	1008	1009	1008	1003	1000	991	983	980	
October.	42000 γ + Tabular Quantities (in γ).																								
1	987	993	994	994	995	993	992	992	989	989	986	984	983	985	986	991	995	996	995	995	994	996	997	995	
2	995	994	994	994	994	993	994	995	994	991	984	978	976	978	981	988	993	993	993	995	993	992	990	983	
3*	987	989	989	992	992	992	993	994	991	986	977	973	976	982	989	992	992	993	994	993	992	992	993	992	
4	993	992	993	992	992	991	993	995	995	990	984	978	973	973	978	985	992	993	994	994	995	993	993	990	
5*	991	990	989	989	990	991	991	995	994	989	981	974	974	977	981	988	991	992	991	991	991	991	991	991	
6*	989	989	989	989	989	989	991	991	991	985	979	975	975	979	982	986	989	988	989	989	989	989	989	989	
7	987	987	987	987	987	990	990	992	990	982	976	973	978	982	985	990	992	991	991	992	992	995	992	992	
8	991	991	991	990	991	991	991	992	991	987	983	979	979	983	990	994	996	993	995	992	992	992	991	987	
9*	988	988	986	988	988	988	990	993	991	986	981	981	983	986	988	988	991	992	991	991	991	991	993	992	
10	991	991	990	985	983	986	988	991	991	988	986	983	985	986	993	1001	1011	1012	1006	1001	997	996	992	993	
11**	994	992	992	992	991	989	988	987	986	982	974	970	974	982	991	1010	1010	1014	1010	1003	1004	1006	1003	1000	
12	995	981	985	987	988	989	987	986	982	977	975	972	977	982	987	993	992	990	988	988	988	988	988	988	
13*	989	989	988	986	987	987	987	988	987	984	976	973	976	981	988	991	991	988	988	985	985	985	985	985	
14	986	986	986	986	983	977	976	979	983	983	978	976	977	978	984	991	995	993	992	990	993	987	987	986	
15	986	985	971	973	980	981	983	990	992	984	976	977	981	985	994	1003	1003	1001	1002	998	992	990	990	987	
16	987	985	988	985	983	978	979	980	979	976	971	973	980	986	996	1007	1006	1003	999	997	994	992	990	989	
17	987	987	988	988	989	989	989	992	991	984	974	974	981	983	993	1003	1008	1003	1002	998	995	995	983	981	
18	981	971	964	976	981	983	984	988	983	977	976	978	983	990	995	998	997	998	1003	1004	999	995	993	992	
19	987	987	988	989	988	990	990	993	993	985	981	982	985	988	992	993	992	991	993	993	992	990	990	981	
20**	978	981	983	983	983	985	986	987	987	977	970	973	990	1003	1018	1030	1027	1027	1024	1018	998	993	992	986	
21**	988	987	989	990	990	989	987	989	988	983	983	997	1005	1010	1014	1013	1020	1020	1020	1016	1012	1002	990	981	
22	993	997	991	983	987	988	994	997	1001	996	997	999	1005	1011	1011	1016	1018	1013	1011	1008	1003	997	996	997	
23	997	996	993	990	993	996	997	1000	1003	998	991	988	988	991	998	1001	999	998	997	998	998	997	996	996	
24**	993	991	991	993	993	994	996	993	993	991	990	994	1018	1022	1043	1063	1040	1028	1022	1018	1013	1011	1009	1008	
25	1008	1007	1002	1002	1001	1002	1003	1004	1002	996	991	990	996	998	1003	1004	1001	998	1000	1001	1012	1014	998	993	
26	993	997	998	997	998	998	998	998	998	991	983	986	990	996	1000	1001	1001	1000	998	998	998	998	998	998	
27**	996	996	995	992	990	991	990	987	985	980	975	973	981	994	1006	1017	1026	1033	1028	1037	1038	1031	1014	1003	
28	1002	995	994	993	994	996	997	998	997	993	990	992	992	997	1002	1005	1010	1015	1023	1016	1010	1010	1002	1002	
29	1002	1001	1000	996	997	999	997	999	1000	996	996	999	1001	1005	1011	1017	1018	1014	1011	1010	1007	1004	1002	1001	
30	1000	998	997	991	992	992	989	987	992	991	995	997	1005	1011	1023	1029	1034	1031	1022	1015	1010	1005	1002	1001	
31	1001	1001	998	997	998	997	991	990	991	989	993	999	1006	1013	1023	1022	1023	1007	1006	1003	1002	1001	999	997	
Mean	992	991	990	989	990	990	990	992	991	987	982	982	986	991	998	1004	1005	1004	1003	1001	999	997	995	992	
Mean*	989	989	988	989	989	989	990	992	991	986	979	975	977	981	986	989	991	991	991	990	990	990	990	990	
Mean**	990	989	990	990	989	990	989	989	988	983	978	981	994	1002	1014	1027	1025	1024	1021	1018	1013	1009	1002	996	

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

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

	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	998	998	998	998	998	998	993	991	991	987	986	983	986	990	998	1001	1002	1001	1001	1000	998	998	998	997	
2	995	995	996	997	997	997	996	994	994	991	988	986	987	991	993	999	1002	1003	1008	1008	1009	1000	993	996	
3	991	983	985	991	996	997	999	1002	1002	997	992	993	999	1001	1004	1005	1006	1009	1005	1004	1002	1000	1000	996	
4*	997	997	998	998	998	1000	1000	1000	1000	995	993	993	995	997	1000	1001	1003	1002	1000	1000	1000	1002	1000	1000	
5**	999	999	994	995	996	998	998	999	998	994	991	990	990	994	1000	1005	1012	1014	1015	1013	1008	1005	1002	979	
6	983	988	990	982	978	987	985	989	989	987	989	991	993	998	1000	1002	1002	1000	1000	999	999	999	999	998	
7	998	998	996	996	995	996	995	997	995	989	987	990	993	996	1000	999	998	998	998	999	1003	1001	1000	998	
8	997	995	993	992	994	997	995	995	995	991	990	990	994	998	1001	1003	1006	1005	1003	1001	1001	1000	998	998	
9	997	995	995	995	994	994	993	993	991	988	986	988	990	993	995	995	995	995	995	995	995	998	998	1000	
10*	1001	999	999	998	996	995	993	990	989	985	984	985	990	994	995	995	996	995	994	994	994	994	994	994	
11	994	994	994	993	993	992	989	986	984	981	976	978	982	986	993	995	998	997	997	999	1001	1003	998	993	
12**	988	989	989	990	988	983	984	984	986	985	984	984	992	998	1006	1020	1036	1033	1022	1012	1006	1005	1004	1000	
13**	991	994	992	998	998	999	998	1000	1002	999	995	996	996	1000	1007	1016	1022	1019	1014	1006	1003	1001	991	989	
14**	990	991	993	991	994	994	992	994	994	992	991	994	991	999	1006	1011	1018	1019	1016	1009	1006	1006	999	1000	
15	999	995	995	997	999	1000	1000	1001	1002	998	997	991	990	994	999	1002	1002	1001	1002	1000	1000	999	997	997	
16	996	995	996	996	997	997	997	997	998	996	994	992	993	1000	1001	1002	1003	1005	1005	1005	1007	1008	1005	1002	
17*	1002	1000	999	1000	1000	1000	998	997	998	996	992	991	991	993	996	998	1000	1000	1000	1001	1001	1000	998	996	
18	996	995	995	995	995	996	996	994	995	994	993	992	991	992	995	998	1000	1002	1001	998	997	996	996	995	
19	994	992	992	989	992	994	994	994	994	995	994	994	999	1002	1002	1004	1004	1003	1002	999	999	999	998	995	
20	995	995	995	995	995	995	994	993	994	996	998	998	999	1007	1008	1008	1009	1009	1005	1004	1003	1001	999	997	
21	997	996	995	995	995	994	992	994	996	998	1001	1003	1006	1006	1006	1006	1006	1005	1002	1000	1000	999	999	998	
22	999	998	997	997	997	996	996	996	997	995	995	995	997	1003	1006	1005	1005	1003	1005	1002	1002	1001	1000	997	
23	993	996	996	996	996	996	996	997	998	998	1000	1001	1002	1004	1005	1003	1003	1001	1000	999	998	998	997	997	
24	998	997	996	996	995	994	994	993	994	994	993	992	994	997	999	997	997	997	996	997	999	999	999	998	
25*	995	996	995	995	995	995	993	993	995	995	995	996	998	1002	1003	1000	999	998	997	995	997	996	997	998	
26*	999	999	998	997	996	996	994	993	991	991	989	989	990	994	999	999	999	996	995	994	994	994	997	996	
27**	997	996	996	996	996	996	995	994	995	992	990	991	992	996	999	998	999	1009	1010	1025	1019	1008	1004	1001	
28	1000	999	999	999	999	998	998	996	994	992	991	988	985	990	998	1001	1002	1004	1006	1004	1003	1001	999	997	
29	997	996	996	995	994	994	991	991	991	987	988	988	988	990	992	992	995	995	995	995	997	1003	1001	999	
30	999	997	996	995	994	993	992	988	988	989	995	996	1000	1002	1004	1002	1005	1006	1006	1008	1010	1007	1002	1000	
Mean	996	995	995	995	995	995	994	994	994	992	991	991	993	997	1000	1002	1004	1004	1003	1002	1002	1001	999	997	
Mean*	999	998	998	998	997	997	996	995	995	992	991	991	993	996	999	999	999	998	997	997	997	997	997	997	
Mean**	993	994	993	994	994	994	993	994	995	992	990	991	992	997	1004	1010	1017	1019	1015	1013	1008	1005	1000	994	
December.	42000 γ + Tabular Quantities (in γ).																								
1**	1002	1001	1001	1000	1001	998	995	991	993	998	1001	1000	1001	1006	1009	1008	1010	1013	1009	1007	1006	1005	998	998	
2	996	993	993	993	993	997	998	996	996	996	995	993	1000	1008	1006	1006	1005	1003	1003	1003	1002	1001	998	997	
3	992	989	995	996	996	998	998	998	998	996	996	995	998	1001	1001	1007	1013	1011	1011	1007	1003	1001	1001	999	
4*	998	998	996	996	997	999	998	998	996	996	994	995	996	1001	998	997	998	997	998	998	998	998	997	997	
5*	998	998	998	997	998	998	998	998	997	994	991	997	1003	1007	1006	1004	1000	1001	1002	1002	1001	1003	1003	1001	
6*	1000	999	998	998	998	999	998	998	999	1002	1001	1000	1002	1004	1002	1001	1002	1002	1001	1001	1002	1002	1002	1002	
7	1001	999	999	998	997	997	997	996	998	997	992	992	999	1004	1004	1004	1005	1002	1003	1002	1002	1001	1001	999	
8	1000	994	993	994	994	994	994	993	994	996	997	997	995	997	998	998	998	998	998	998	998	996	996	996	
9	996	996	996	994	994	993	992	991	990	991	993	991	992	998	1001	999	999	999	999	1000	1004	1005	1004	1001	
10	997	993	993	993	993	993	991	991	991	992	993	991	989	993	997	999	999	1001	1002	999	998	998	998	997	
11	996	995	997	995	995	996	994	994	994	992	992	992	993	999	1005	1005	1004	1003	1001	998	997	998	1000	997	
12	996	994	993	993	993	993	993	993	992	989	988	985	989	993	998	1002	1005	1008	1006	1004	1004	1001	1001	999	
13	998	996	993	993	993	994	993	992	991	991	993	990	989	996	1001	1003	1004	1008	1004	1002	1001	999	998	997	
14**	997	996	996	997	997	996	996	997	996	994	993	993	997	1002	1008	1016	1016	1016	1026	1021	1015	1009	1007	997	
15	996	991	989	989	993	996	994	994	997	999	1003	1006	1007	1010	1014	1014	1012	1017	1014	1009	1004	1002	999	999	
16	997	991	993	993	994	997	996	997	997	994	999	1003	1005	1008	1014	1022	1014	1014	1010	1009	1007	1004	994	996	
17	996	996	994	993	995	998	998	1001	1002	1000	999	996	999	999	999	1001	1002	1002	1002	1002	1000	1000	999	994	
18	992	992	994	995	996	995	994	993	993	994	995	997	999	1002	1004	1003	1004	1003	1003	1004	1001	1000	999	996	
19	989	988	991	992	993	994	994	996	997	997	996	995	998	1000	998	997	999	999	1001	1001	1001	1001	999	998	
20	993	992	994	994	994	995	995	997	998	999	998	997	999	1000	1000	1000	1002	1002	1002	1002	1000	999	998	998	
21	996	996	996	995	995	996	996	998	998	996	994	994	994	995	997	997	996	996	996	996	997	998	999	998	
22*	996	994	993	992	993	992	992	993	994	994	994	993	995	995	995	994	994	995	996	996	996	996	996	996	
23*	996	995	995	995	994	994	994	993	992	993	994	992	992	993	994	994	995	995	994	994	994	993	993	994	
24	995	995	993	992	991	992	991	992	992	992	995	993	996	996	996	998	996	995	995	994	993	991	992	998	
25	1003	1002	997	996	995	994	993	991	991	992	991	990	992	995	995	999	1002	1001	1004	1009	1016	1017	1013	1013	
26**	1012	1010	1009	1004	1000	997	995	989	989	992	997	998	1003	1005	1005	1005	1009	1014	1014	1016	1017	1014	1008	1003	
27**	1005	1009	1008	1003	999	999	996	991	991	995	1001	1003	1005	1008	1010	1010	1011	1015	1022	1027	1032	1035	1032	1026	
28**	1027	1019	1008	1002	1002	1003	1003	1000	998	995	995	995	1000	1002	1005	1008	1005	1008	1011	1010	1008	1008	1010	1005	
29	1005	1005	1005	1005	1006	1008	1005	1004	1002	1003	1003	1000	1003	1007	1010	1008	1010	1010	1010	1009	1005	1005	1005	1003	
30	1003	1004	1004	1005	1005	1005	1005	1004	1003	1004	1003	1002	1005	1007	1008	1008	1009	1010	1014	1013	1008	1007	1008	1005	
31	1005	1005	1005	1005	1005	1007	1005	1008	1005	1004	1005	1003	1004	1008	1009	1007	1009	1012	1014	1011	1010	1010	1008	1005	
Mean	991	998	997	996	996	997	996	996	996	996	996	996	998	1001	1003	1004	1004	1005	1005	1005	1004	1003	1002	1000	
Mean*	998	997	996	996	996	996	996	996	996	996	995	995	998	1000	999	998	998	998	998	998	998	998	998	998	
Mean**	1009	1007	1004	1001	1000	999	997	994	993	995	997	998	1001	1005	1007	1009	1010	1013	1016	1016	1016	1014	1011	1006	

* 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	36′·2	9 10	44′·2	29′·6	20 37	14′·6	524	21 56	541	479	8 56	62	973	21 9	983	952	3 35	31
2	35·7	2 21	43·1	30·0	19 40	13·1	525	3 59	553	490	10 1	63	973	15 40	985	959	4 11	26
3	35·6	13 51	38·4	29·9	20 38	8·5	526	23 50	561	488	11 47	73	974	14 8	981	966	2 12	15
4	35·2	13 30	39·1	28·5	1 9	10·6	522	0 17	575	496	18 50	79	974	15 30	988	954	1 2	34
5	35·1	13 11	37·7	28·8	20 40	8·9	527	5 40	542	512	9 35	30	973	14 44	983	966	10 56	17
6*	35·3	13 45	37·5	33·0	22 14	4·5	529	3 40	535	520	10 24	15	970	14 36	978	965	9 17	13
7*	35·5	12 32	37·8	32·8	21 39	5·0	535	6 34	549	526	0 3	23	968	16 41	974	959	10 28	15
8*	35·8	13 53	38·6	31·9	22 18	6·7	538	23 46	553	525	14 14	28	965	17 6	972	957	12 1	15
9*	35·8	13 2	37·8	32·5	22 41	5·3	538	0 10	558	521	22 57	37	965	16 11	974	954	10 23	20
10*	35·8	15 48	38·8	31·7	23 25	7·1	537	8 17	548	519	22 35	29	966	19 39	974	957	11 57	17
11	35·2	0 59	39·5	28·4	2 19	11·1	531	1 15	554	512	14 14	42	970	15 41	979	959	1 43	20
12	34·7	13 54	38·2	28·1	22 50	10·1	532	22 50	559	517	23 54	42	971	13 43	978	961	23 53	17
13	35·7	13 0	39·2	29·0	0 5	10·2	528	4 55	541	510	0 20	31	971	22 8	978	961	12 57	17
14	35·1	12 38	38·2	28·4	23 59	9·8	534	23 15	564	524	0 20	40	972	14 7	978	963	23 45	15
15	34·9	12 55	38·9	28·9	0 1	10·0	528	6 6	546	498	16 40	48	975	17 30	985	967	7 50	18
16	35·2	13 28	38·1	24·4	23 50	13·7	535	23 31	551	518	23 19	33	973	23 28	984	966	11 4	18
17**	34·4	1 39	42·0	22·0	22 44	20·0	520	0 17	557	471	12 10	86	974	16 17	995	942	2 24	53
18	34·3	13 29	39·2	25·8	20 16	13·4	524	23 57	559	499	14 33	60	973	14 40	987	963	0 14	24
19	35·2	14 25	38·3	30·0	0 11	8·3	528	0 0	554	517	10 58	37	974	15 34	982	967	0 55	15
20	35·0	13 18	38·4	32·4	7 41	6·0	528	2 39	548	515	6 29	33	972	15 24	977	966	9 50	11
21	34·6	11 29	38·8	28·0	22 15	10·8	522	7 40	544	483	22 53	61	976	20 54	990	963	7 51	27
22	34·3	12 20	38·7	25·3	1 28	13·4	519	18 28	534	499	23 23	35	977	16 16	984	967	7 51	17
23**	34·8	13 2	42·5	24·6	0 20	17·9	523	20 30	555	500	0 50	55	972	19 36	990	958	11 40	32
24**	34·5	13 4	40·6	24·4	18 55	16·2	523	19 2	560	484	16 22	76	975	17 7	991	966	12 40	25
25	35·2	11 25	39·4	30·5	19 51	8·9	526	23 40	559	509	15 33	50	976	18 17	988	966	2 33	22
26	35·5	1 16	40·2	28·8	0 21	11·4	526	22 22	561	502	11 52	59	973	16 8	984	962	1 59	22
27**	33·9	18 23	42·0	13·9	22 19	28·1	525	18 1	568	459	20 20	109	974	20 34	1002	964	18 22	38
28**	33·4	13 20	42·3	21·1	2 46	21·2	513	21 59	536	447	0 40	89	975	13 17	988	957	5 53	31
29	35·5	1 43	39·9	33·5	0 57	6·4	525	6 30	538	511	12 10	27	975	15 8	983	967	12 0	16
30	35·9	12 50	41·5	32·2	21 14	9·3	524	6 46	543	482	12 40	61	976	15 7	984	967	11 30	17
31	35·6	9 20	42·0	32·7	3 32	9·3	527	7 17	551	492	8 51	59	974	15 38	983	966	11 31	17
Mean	35·1	—	39·7	28·4	—	11·3	527	—	552	501	—	50·7	973	—	983	962	—	21·8
Mean*	35·6	—	38·1	32·4	—	5·7	536	—	549	522	—	26·4	967	—	974	958	—	16·0
Mean**	34·2	—	41·9	21·2	—	20·7	521	—	555	472	—	83·0	974	—	993	957	—	35·8
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**	35′·4	16 30	44′·3	23′·0	23 32	21′·3	505	5 48	544	451	18 3	93	986	18 40	1024	970	6 30	54
2**	35·0	15 18	42·3	20·3	0 33	22·0	508	4 13	577	447	19 34	130	977	20 0	1023	934	4 46	89
3	35·3	11 58	42·9	30·2	18 56	12·7	514	7 32	538	462	13 5	76	982	13 37	993	971	10 20	22
4*	34·7	2 16	37·1	32·4	8 55	4·7	526	7 10	538	512	11 41	26	978	15 10	984	971	9 32	13
5	35·0	13 22	39·4	28·4	22 50	11·0	531	22 46	544	520	10 58	24	977	15 9	986	968	11 58	18
6	34·6	13 5	38·4	31·9	23 15	6·5	531	6 51	549	507	11 10	42	975	15 8	984	964	9 32	20
7	35·3	14 6	40·4	30·6	22 1	9·8	534	18 46	547	515	21 40	32	974	21 50	979	965	10 24	14
8	35·0	13 20	39·7	29·6	0 11	10·1	532	23 56	548	510	0 45	38	972	16 38	981	964	9 54	17
9	34·9	12 52	40·5	30·8	0 17	9·7	530	20 48	547	512	11 7	35	971	20 5	979	964	2 10	15
10	35·6	13 52	40·4	32·8	23 47	7·6	530	15 30	544	497	16 30	47	971	17 10	978	965	14 18	13
11*	34·9	12 40	38·0	31·4	24 0	6·6	533	20 8	543	521	11 40	22	971	22 17	977	964	11 34	13
12	34·7	11 53	38·9	30·2	0 54	8·7	532	1 0	555	521	3 24	34	973	20 10	980	961	11 21	19
13**	—	20 8	42·0	16·4	23 48	25·6	—	23 9	606	478	22 39	128	—	20 2	1008	948	23 52	60
14**	32·9	13 4	41·5	20·0	0 10	21·5	511	2 30	554	470	11 43	84	975	16 37	1000	941	2 54	59
15	33·9	1 9	38·9	26·4	19 34	12·5	517	0 18	559	483	16 28	76	981	16 41	998	968	1 48	30
16	34·3	13 20	40·6	24·8	18 22	15·8	523	18 33	553	486	18 15	67	981	18 30	998	972	10 57	26
17	34·3	12 57	39·2	29·1	20 56	10·1	524	0 55	556	501	9 50	55	977	16 32	986	969	1 20	17
18	33·8	14 54	38·8	23·9	19 20	14·9	530	2 36	574	504	10 40	70	976	19 30	987	965	3 0	22
19*	34·5	13 51	38·7	30·8	18 40	7·9	529	21 0	539	516	11 24	23	976	18 50	983	964	11 20	19
20	33·3	14 49	39·9	26·5	23 38	13·4	529	19 13	558	509	21 33	49	977	18 40	989	967	10 58	22
21	34·0	11 21	40·8	27·5	2 25	13·3	525	21 4	553	469	11 35	84	975	17 0	995	960	11 18	35
22	34·0	13 40	37·7	30·2	2 1	7·5	526	0 55	544	500	10 17	44	974	17 30	985	968	1 8	17
23	34·5	13 54	40·3	25·4	22 31	14·9	529	22 41	576	501	21 14	75	973	21 37	986	959	12 1	27
24	34·1	14 13	41·8	28·5	20 43	13·3	514	1 1	540	480	19 16	60	980	18 33	1005	960	11 18	45
25	34·1	13 20	41·6	26·4	2 30	15·2	531	1 55	550	503	0 2	47	972	0 5	991	959	11 20	32
26**	33·6	15 17	40·9	26·3	2 41	14·6	519	6 2	555	455	16 40	100	979	17 5	1010	963	6 51	47
27*	34·1	12 57	37·9	31·9	9 50	6·0	525	20 59	533	512	11 22	21	974	8 30	981	965	10 57	16
28*	33·8	13 25	38·6	30·2	9 22	8·4	530	22 51	546	509	11 34	37	973	16 34	979	964	11 39	15
Mean	34·4	—	40·0	27·7	—	12·3	525	—	553	495	—	57·8	976	—	991	963	—	28·4
Mean*	34·4	—	38·1	31·3	—	6·7	529	—	540	514	—	25·8	974	—	981	966	—	15·2
Mean**	34·2	—	42·2	21·2	—	21·0	511	—	567	460	—	107·0	979	—	1013	951	—	61·8

* 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	35′3	12 48	46′7	30′8	18 56	15′9	524	23 8	541	468	12 7	73	975	19 32	991	961	11 20	30
2	34·9	12 26	41·3	31·9	21 47	9·4	526	8 0	551	478	13 12	73	978	16 37	1001	966	6 55	35
3	33·4	12 20	40·6	22·7	19 25	17·9	526	19 30	571	488	18 40	83	974	18 54	994	961	11 19	33
4*	34·0	13 42	38·7	30·4	9 0	8·3	529	22 12	539	512	11 40	27	975	16 41	986	967	11 20	19
5	33·8	13 0	40·4	26·1	21 40	14·3	532	22 10	587	510	10 41	77	971	22 0	985	954	11 56	31
6	33·2	14 2	39·7	29·3	19 42	10·4	528	7 20	545	508	11 23	37	974	20 7	986	957	11 31	29
7	33·7	13 21	38·6	25·4	23 11	13·2	530	8 0	545	514	23 58	31	974	17 4	984	954	11 57	30
8	32·9	15 22	38·2	27·4	0 48	10·8	525	18 54	542	508	21 50	34	974	22 8	985	960	12 20	25
9	33·6	14 5	41·4	29·1	1 35	12·3	527	21 0	540	511	10 59	29	974	2 38	982	958	11 53	24
10*	34·2	13 21	40·3	29·7	1 0	10·6	526	14 20	540	510	10 18	30	975	21 7	986	959	12 17	27
11	34·7	14 53	42·4	29·5	0 39	12·9	526	19 1	546	498	15 40	48	977	17 27	994	957	13 8	37
12	34·0	13 6	38·4	25·4	24 0	13·0	535	21 50	554	522	12 50	32	974	8 37	983	957	11 52	26
13**	33·9	16 6	45·5	16·3	18 32	29·2	522	0 23	568	460	18 14	108	980	17 43	1031	961	11 50	70
14**	34·0	13 39	49·6	10·6	17 5	39·0	514	17 16	571	451	14 0	120	983	16 27	1046	954	8 54	92
15**	33·6	13 31	44·9	23·6	17 39	21·3	514	21 20	551	474	9 14	77	972	15 25	1002	943	1 52	59
16**	33·1	13 5	42·0	21·6	16 54	20·4	518	23 31	560	468	16 50	92	978	17 10	1008	963	11 31	45
17	33·4	13 33	39·8	22·8	21 12	17·0	525	23 40	576	492	10 17	84	978	16 28	990	967	24 0	23
18	32·9	12 20	37·8	28·2	1 18	9·6	522	0 2	569	506	17 20	63	978	18 1	996	956	1 18	40
19	32·9	12 26	41·3	26·8	1 20	14·5	520	0 31	558	491	9 39	67	980	20 29	995	966	11 27	29
20	32·3	12 44	41·4	24·4	23 14	17·0	525	23 20	561	500	10 17	61	981	18 12	999	964	11 39	35
21	33·3	13 47	43·3	22·3	17 56	21·0	525	18 9	559	485	15 12	74	981	17 40	1019	958	11 33	61
22	32·3	13 1	38·1	23·9	0 0	14·2	524	2 24	538	503	11 2	35	977	16 8	988	967	2 30	21
23	33·3	13 58	40·0	28·0	23 53	12·0	530	22 59	564	499	10 51	65	975	17 23	986	955	11 57	31
24	33·5	14 20	43·3	23·6	20 49	19·7	527	3 18	579	494	10 50	85	973	17 34	995	949	3 32	46
25	33·6	13 40	42·0	28·3	2 12	13·7	526	21 28	544	493	11 32	51	975	17 17	988	958	10 58	30
26	33·3	14 20	40·5	28·8	22 56	11·7	528	20 50	546	509	10 57	37	977	17 5	993	959	10 57	34
27*	32·9	12 41	38·5	27·5	8 19	11·0	530	21 29	546	505	11 54	41	974	16 14	986	955	11 34	31
28*	33·4	12 25	39·5	28·4	8 20	11·1	531	22 37	545	508	10 22	37	975	16 18	986	955	11 20	31
29*	32·9	12 53	39·4	28·3	8 28	11·1	533	21 13	550	513	10 7	37	972	21 10	979	951	11 58	28
30**	33·8	13 39	46·6	24·6	21 13	22·0	536	13 27	575	487	15 0	88	972	14 40	989	951	12 12	38
31	33·5	14 17	39·9	29·1	8 17	10·8	525	6 50	543	496	9 57	47	973	16 31	989	955	11 21	34
Mean	33·5	—	41·3	26·0	—	15·3	526	—	555	496	—	59·4	976	—	994	958	—	36·3
Mean*	33·5	—	39·3	28·9	—	10·4	530	—	544	510	—	34·4	974	—	985	957	—	27·2
Mean**	33·6	—	45·7	19·3	—	26·4	521	—	565	468	—	97·0	977	—	1015	954	—	60·8
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	32′6	13 30	38′7	27′6	8 41	11′1	525	19 52	539	495	10 44	44	976	17 5	982	965	11 0	17
2*	33·2	13 52	40·3	26·6	8 19	13·7	528	20 30	543	500	11 25	43	974	7 47	981	956	11 59	25
3	33·2	13 40	39·0	26·7	8 43	12·3	535	15 4	549	505	10 23	44	971	7 29	978	959	11 31	19
4	33·0	13 54	41·1	27·0	8 23	14·1	533	22 28	549	504	10 14	45	971	17 9	982	957	12 20	25
5	32·9	13 31	39·4	27·1	7 50	12·3	532	23 0	550	493	10 19	57	969	7 3	979	951	11 20	28
6*	33·2	13 54	39·5	28·1	8 42	11·4	532	19 4	546	501	11 39	45	969	8 5	978	955	12 24	23
7*	33·0	13 55	39·8	27·4	9 10	12·4	536	7 7	553	494	12 21	59	969	17 31	978	950	11 50	28
8	33·1	13 37	42·0	27·5	9 2	14·5	541	16 18	573	500	11 16	73	970	16 16	985	952	11 20	33
9**	34·4	13 20	43·8	26·1	3 33	17·7	521	3 17	582	472	11 56	110	972	16 40	1003	942	4 49	61
10**	33·2	14 58	48·7	20·1	20 30	28·6	524	16 50	580	464	15 20	116	984	18 28	1029	954	10 35	75
11**	32·0	14 22	45·7	21·3	19 13	24·4	510	21 10	589	385	10 39	204	977	15 11	1021	949	2 0	72
12**	32·7	14 24	42·0	23·0	16 45	19·0	512	16 54	585	458	9 16	127	975	16 51	1020	951	0 3	69
13**	33·7	13 30	42·8	26·6	16 50	16·2	520	17 0	580	463	11 37	117	974	16 46	1012	943	2 32	69
14	32·5	12 21	39·9	27·7	7 20	12·2	517	21 2	547	489	9 22	58	976	17 22	988	959	11 40	29
15	32·5	13 28	38·1	26·1	8 23	12·0	525	17 53	552	493	10 40	59	976	17 48	985	965	11 52	20
16	32·2	13 0	37·1	26·5	23 28	10·6	527	23 2	567	489	11 18	78	977	17 44	997	954	11 55	43
17	32·3	13 59	39·4	26·8	8 35	12·6	527	1 34	542	510	10 40	32	974	17 50	993	957	11 58	36
18	31·9	13 53	39·1	24·1	20 42	15·0	525	4 14	566	478	12 0	88	973	18 24	986	954	12 0	32
19	31·9	13 22	39·2	27·1	8 33	12·1	526	20 44	552	493	11 49	59	977	17 43	993	957	12 0	36
20	32·1	13 58	39·2	26·1	8 40	13·1	527	0 38	564	489	10 55	75	975	18 8	984	955	11 51	29
21	32·1	12 58	38·3	27·3	8 5	11·0	527	4 51	542	496	10 16	46	976	18 8	987	963	11 58	24
22	32·2	12 58	39·8	26·0	7 40	13·8	527	16 20	546	496	10 34	50	977	18 5	991	949	11 54	42
23	31·9	12 48	39·2	25·3	22 32	13·9	530	19 10	548	497	13 10	51	976	17 55	988	951	11 56	37
24	31·8	13 6	38·2	26·9	8 6	11·3	526	16 16	556	495	10 40	61	976	16 13	986	960	11 59	26
25	32·1	12 59	40·0	27·1	5 56	12·9	531	16 10	552	502	10 38	50	971	17 40	985	950	11 57	35
26	31·9	14 20	37·6	27·8	7 23	9·8	533	22 0	550	506	10 25	44	972	18 34	984	944	12 0	40
27*	31·4	14 29	35·5	26·6	8 10	8·9	531	22 11	545	513	11 44	32	972	4 50	983	956	12 56	27
28*	32·1	12 41	36·5	28·6	7 19	7·9	536	20 59	547	523	10 16	24	972	20 33	979	952	11 49	27
29	32·7	13 57	37·7	28·6	7 42	9·1	540	23 34	556	525	10 39	31	971	21 8	978	959	11 57	19
30	33·2	13 54	41·2	27·8	8 30	13·4	542	23 37	561	510	9 58	51	969	17 57	981	941	12 20	40
Mean	32·6	—	40·0	26·4	—	13·6	528	—	557	491	—	65·8	974	—	990	954	—	36·2
Mean*	32·6	—	38·3	27·5	—	10·9	533	—	547	506	—	40·6	971	—	980	954	—	26·0
Mean**	33·2	—	44·6	23·4	—	21·2	518	—	583	448	—	134·8	976	—	1017	948	—	69·2

* 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.	
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**	32′2	13 30	45′1	7′8	23 24	37′3	538	13 30	593	462	14 55	131	974	19 10	997	* 944	23 10	53
2**	29·8	13 14	38·5	14·8	2 10	23·7	520	0 29	544	489	11 40	55	971	16 44	988	938	0 48	50
3	32·1	12 20	39·1	27·3	8 5	11·8	528	16 59	541	492	12 30	49	966	17 15	988	958	11 40	30
4	31·6	13 34	37·3	27·0	8 50	10·3	526	15 46	543	508	10 14	35	974	16 8	986	954	11 35	32
5	32·2	13 18	38·4	27·1	8 11	11·3	530	0 41	544	504	11 20	40	974	17 5	983	954	12 17	29
6*	32·1	13 28	37·5	27·2	7 34	10·3	533	0 9	555	498	11 11	57	973	17 12	986	952	11 46	34
7	32·0	13 18	37·8	26·6	8 30	11·2	541	19 34	552	511	12 2	41	972	17 35	983	948	12 21	35
8*	31·9	13 59	37·7	26·6	7 48	11·1	537	19 0	553	511	12 20	42	971	18 6	983	942	12 17	41
9*	32·2	13 59	37·2	28·6	6 52	8·6	535	17 51	553	509	10 40	44	973	17 48	983	947	11 55	36
10**	31·4	17 35	39·2	23·3	23 50	15·9	543	16 33	595	508	17 57	87	977	18 38	999	942	11 52	57
11	30·4	14 11	37·5	21·2	1 1	16·3	531	19 17	561	494	11 56	67	972	18 28	992	941	11 20	51
12**	31·2	13 20	38·6	23·6	21 24	15·0	531	21 30	604	497	9 47	107	968	17 5	987	945	11 59	42
13	31·8	13 20	38·3	26·4	7 50	11·9	537	22 37	561	516	10 34	45	973	19 9	983	950	11 22	33
14	31·3	14 28	36·2	26·0	8 0	10·2	533	20 31	541	510	10 54	31	973	17 41	984	954	10 58	30
15	31·6	13 0	38·5	26·2	7 35	12·3	534	19 13	570	517	10 32	53	974	19 10	982	955	12 58	27
16	32·6	13 54	40·7	26·6	2 36	14·1	532	1 52	567	481	10 8	86	969	17 17	985	943	11 11	42
17	31·1	12 58	37·7	25·3	7 34	12·4	532	17 41	546	509	10 32	37	973	17 40	983	955	11 57	28
18	30·0	13 50	36·7	24·0	23 59	12·7	533	20 50	565	511	10 31	54	972	17 39	985	946	10 57	39
19	30·4	13 19	38·7	23·9	0 0	14·8	530	23 4	550	497	9 48	53	974	18 10	991	955	11 16	36
20**	32·7	3 40	43·3	26·3	23 56	17·0	527	3 56	571	468	7 14	103	971	15 7	997	931	4 7	66
21	30·2	14 20	37·2	23·8	8 46	13·4	524	22 50	561	491	10 2	70	977	19 2	992	953	11 55	39
22	30·3	13 54	35·9	26·2	0 49	9·7	527	20 54	551	503	14 39	48	974	20 44	985	952	10 20	33
23	31·5	12 58	36·7	26·7	7 41	10·0	529	18 51	552	507	8 10	45	972	18 28	988	949	11 37	39
24*	31·8	12 30	39·4	27·2	8 3	12·2	535	17 2	557	514	10 1	43	975	17 8	987	952	12 20	35
25*	30·7	14 3	37·4	25·2	8 4	12·2	539	18 31	562	504	10 44	58	973	5 19	983	953	12 32	30
26	31·5	12 45	38·8	26·0	8 0	12·8	535	18 54	556	501	13 7	55	975	18 44	990	951	12 17	39
27	31·6	13 58	37·6	26·0	7 50	11·6	542	18 30	564	521	12 39	43	976	17 8	986	962	12 37	24
28	31·1	14 25	35·8	25·6	7 50	10·2	542	21 54	558	520	13 43	38	975	17 5	984	960	11 1	24
29	32·0	13 0	38·6	26·3	7 7	12·3	542	18 28	564	520	15 45	44	972	18 28	984	945	11 54	39
30	31·5	12 40	38·3	25·3	6 47	13·0	539	22 59	574	503	12 23	71	974	17 19	990	952	11 19	38
31	31·8	13 57	37·6	27·6	8 22	10·0	539	16 53	559	509	11 12	50	972	19 24	986	943	11 43	43
Mean	31·5	—	38·3	24·9	—	13·4	534	—	560	503	—	57·5	973	—	987	949	—	37·9
Mean*	31·7	—	37·8	27·0	—	10·9	536	—	556	507	—	48·8	973	—	984	949	—	35·2
Mean**	31·5	—	40·9	19·2	—	21·8	532	—	581	485	—	96·6	972	—	994	940	—	53·6
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*	30′9	14 2	36′9	23′6	7 22	13′3	535	18 31	553	504	9 40	49	971	16 43	983	941	12 21	42
2*	31·1	13 40	38·4	25·0	7 30	13·4	534	19 26	555	505	10 44	50	972	17 40	984	951	12 1	33
3	31·2	13 59	37·9	24·9	7 9	13·0	539	19 47	558	509	9 38	49	970	17 22	983	942	11 58	41
4	31·5	13 49	40·5	23·6	8 3	16·9	547	15 47	584	512	12 40	72	972	18 30	987	950	12 10	37
5	31·1	13 30	39·3	22·9	7 42	16·4	544	16 54	588	511	12 22	77	971	16 50	992	948	12 19	44
6	31·3	13 58	40·0	23·3	7 23	16·7	542	19 30	569	498	11 21	71	967	19 10	984	935	11 20	49
7**	30·7	14 6	41·8	16·1	23 7	25·7	538	12 18	605	461	15 30	144	974	19 7	1022	941	15 29	81
8**	29·2	15 53	40·5	8·7	0 38	31·8	517	18 9	566	437	9 6	129	971	16 37	992	926	3 18	66
9**	30·8	13 20	42·2	21·4	9 5	20·8	535	15 50	588	476	11 10	112	978	18 33	1009	955	13 40	54
10**	31·2	13 2	39·3	23·9	6 50	15·4	527	18 30	599	474	9 17	125	979	16 40	1020	955	0 1	65
11	31·1	13 16	38·5	25·2	3 10	13·3	530	16 57	641	484	14 18	157	984	16 56	1012	967	11 41	45
12	30·8	12 59	37·2	25·6	6 21	11·6	529	19 20	566	504	7 32	62	979	19 19	993	963	13 20	30
13	30·9	13 30	38·2	24·5	6 51	13·7	529	18 49	551	501	10 41	50	980	18 36	995	966	12 20	29
14	30·7	15 1	35·1	25·2	6 10	9·9	529	15 0	543	501	9 42	42	977	19 8	987	963	13 21	24
15*	30·2	13 57	36·1	25·1	7 40	11·0	529	18 37	547	506	9 50	41	978	17 40	987	961	10 57	26
16*	30·7	12 35	37·6	24·6	7 52	13·0	538	19 32	558	514	9 40	44	976	17 12	988	952	11 48	36
17	30·7	12 26	38·0	24·7	6 47	13·3	545	20 49	580	517	9 38	63	976	20 41	991	956	11 59	35
18**	29·8	15 50	44·2	20·7	4 23	23·5	524	19 33	606	473	19 51	133	988	18 6	1053	956	11 21	97
19	30·4	13 1	41·5	21·7	0 24	19·8	519	21 17	565	463	11 35	102	983	18 38	1010	963	13 13	47
20	30·9	13 26	37·0	26·4	1 59	10·6	526	18 25	570	490	11 17	80	984	18 26	1004	962	12 59	42
21	30·6	15 40	38·1	23·9	7 40	14·2	529	17 30	562	496	10 23	66	985	19 1	1012	958	11 58	54
22	31·0	14 2	39·3	23·2	8 1	16·1	529	19 20	553	485	10 27	68	983	18 8	996	961	13 20	35
23	30·1	13 30	38·1	23·9	6 4	14·2	534	1 28	553	497	11 47	56	978	17 11	991	959	13 17	32
24	30·5	13 54	37·9	24·0	8 8	13·9	537	21 20	554	510	9 45	44	972	18 28	984	951	11 32	33
25*	30·4	13 11	37·9	24·1	7 40	13·8	537	19 24	565	510	11 40	55	973	17 22	982	948	11 56	34
26	30·3	13 55	36·8	24·3	6 14	12·5	538	22 11	563	510	10 39	53	974	5 6	984	957	11 20	27
27	30·1	13 29	36·1	23·7	5 34	12·4	541	19 0	565	507	10 20	58	976	16 7	994	960	11 41	34
28	30·8	12 57	38·7	23·9	5 23	14·8	537	18 27	568	514	11 54	54	977	18 28	992	957	11 3	35
29	29·9	14 0	36·6	22·9	7 12	13·7	536	0 6	565	508	10 10	57	974	18 48	993	951	10 33	42
30	30·4	12 58	39·0	23·4	5 49	15·6	538	19 52	568	509	9 4	59	973	19 49	989	952	13 18	37
Mean	30·6	—	38·6	23·1	—	15·5	534	—	570	496	—	74·1	977	—	996	954	—	42·9
Mean*	30·7	—	37·4	24·5	—	12·9	535	—	556	508	—	47·8	974	—	985	951	—	34·2
Mean**	30·3	—	41·6	18·2	—	23·4	528	—	593	464	—	128·6	978	—	1019	947	—	72·6

* 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.		
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	32′·1	12 59	42′·4	25′·0	7 24	17′·4	537	22 12	558	501	12 1	57	973	17 29	989	944	11 2	45
2	29·8	13 1	38·2	23·7	6 34	14·5	541	16 2	570	501	9 57	69	976	17 30	991	956	12 20	35
3	30·3	12 54	37·1	23·7	7 38	13·4	538	19 48	560	507	9 18	53	975	16 6	989	958	10 54	31
4	30·0	12 59	37·9	23·2	7 10	14·7	537	19 28	558	511	11 15	47	973	17 37	986	955	10 58	31
5*	30·5	14 18	38·2	24·7	8 50	13·5	537	16 52	562	503	11 7	59	976	18 47	990	955	12 0	35
6*	29·8	14 9	38·5	22·4	9 23	16·1	538	19 50	560	514	10 13	46	975	18 10	987	958	12 17	29
7	30·6	13 57	39·1	23·3	22 52	15·8	541	21 16	602	514	10 21	88	971	21 11	990	947	11 28	43
8**	31·7	12 54	42·0	23·0	6 3	19·0	527	4 4	571	475	8 8	96	983	18 15	1005	965	9 43	40
9**	30·2	13 40	38·7	21·8	6 59	16·9	530	0 21	561	495	14 1	66	976	15 59	990	955	12 0	35
10	30·1	12 58	36·5	24·9	7 13	11·6	526	20 30	551	499	11 25	52	975	17 40	991	963	12 38	28
11	30·4	14 15	38·3	23·4	6 59	14·9	531	14 20	559	477	9 30	82	976	17 8	997	961	11 59	36
12	29·2	13 20	35·9	22·1	5 29	13·8	533	19 30	557	503	10 20	54	974	17 30	989	958	11 59	31
13	30·2	14 16	37·4	24·9	6 16	12·5	536	21 30	558	512	11 30	46	976	15 13	989	957	11 20	32
14	29·8	13 54	38·6	22·6	7 20	16·0	539	15 39	607	506	8 22	101	974	15 35	997	955	11 33	42
15	30·2	14 2	39·4	22·8	7 38	16·6	536	16 33	567	510	8 1	57	981	17 16	1005	960	10 23	45
16	29·7	14 6	37·1	22·3	7 24	14·8	532	16 38	556	504	8 56	52	980	16 35	1004	962	11 40	42
17*	30·2	13 6	39·1	24·1	7 21	15·0	534	15 18	551	505	9 57	46	979	15 44	993	961	10 38	32
18*	29·0	13 48	37·3	23·5	8 9	13·8	536	20 41	561	509	12 0	52	975	17 40	990	950	11 59	40
19	30·2	14 23	41·3	22·7	3 20	18·6	537	3 3	582	501	12 0	81	975	17 9	1001	956	11 40	45
20	28·8	14 2	36·9	23·0	8 7	13·9	535	16 32	559	496	11 54	63	973	18 17	987	953	11 45	34
21	30·4	12 57	38·2	24·3	6 50	13·9	538	19 11	571	505	13 4	66	968	19 10	988	938	11 48	50
22**	30·0	12 49	37·6	22·8	7 1	14·8	536	22 47	576	493	12 8	83	973	17 35	1001	947	11 52	54
23	29·6	13 27	37·1	22·2	0 20	14·9	525	23 29	547	488	10 40	59	971	16 50	985	957	12 18	28
24**	29·7	13 44	36·5	18·4	22 39	18·1	533	22 43	625	490	12 42	135	975	20 37	1008	954	23 18	54
25**	30·7	5 45	36·6	20·8	1 32	15·8	517	1 9	595	451	11 49	144	978	20 19	1013	940	1 30	73
26	28·9	13 25	32·2	24·9	7 11	7·3	529	20 10	559	509	13 18	50	981	20 8	990	972	1 38	18
27	28·7	13 31	33·3	23·9	7 40	9·4	528	22 10	556	501	10 23	55	976	8 55	988	959	11 50	29
28	29·6	14 25	35·3	25·6	7 42	9·7	532	21 0	550	511	10 42	39	979	20 10	990	968	11 15	22
29	29·7	13 24	35·3	26·4	7 40	8·9	532	19 10	557	509	14 17	48	981	17 21	997	961	12 42	36
30*	29·5	13 24	34·3	26·0	4 20	8·3	532	14 45	546	502	10 36	44	979	15 14	991	965	12 38	26
31	29·7	13 28	34·5	24·5	7 23	10·0	536	18 18	568	500	11 13	68	974	17 53	989	947	11 1	42
Mean	30·0	—	37·4	23·4	—	14·0	534	—	566	500	—	66·4	976	—	994	956	—	37·5
Mean*	29·8	—	37·5	24·1	—	13·3	535	—	556	507	—	49·4	977	—	990	958	—	32·4
Mean**	30·5	—	38·3	21·4	—	16·9	529	—	586	481	—	104·8	977	—	1003	952	—	51·2
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	30′·1	13 30	36′·9	24′·7	6 10	12′·2	531	17 6	561	502	11 10	59	973	17 31	990	959	9 22	31
2	29·0	13 45	36·2	22·8	7 50	13·4	527	0 30	551	492	9 14	59	971	5 5	984	945	11 52	39
3*	29·4	13 25	36·6	25·0	8 1	11·6	535	20 0	549	506	11 30	43	972	8 1	984	955	11 25	29
4	29·4	12 59	35·3	24·3	7 33	11·0	540	19 35	570	518	12 41	52	968	5 5	981	952	12 43	29
5	28·9	13 0	36·5	22·9	8 0	13·6	541	19 0	569	512	9 57	57	967	20 31	983	935	11 30	48
6	29·6	12 40	36·0	24·1	6 51	11·9	539	19 16	568	512	15 28	56	972	15 9	993	948	10 38	45
7	28·6	13 27	34·1	22·3	7 6	11·8	532	0 22	560	498	9 25	62	975	15 16	991	963	10 24	28
8	29·2	12 36	35·0	24·3	6 34	10·7	534	22 30	555	507	14 44	48	974	17 30	984	959	11 1	25
9	28·9	13 47	35·2	22·2	6 44	13·0	535	19 9	556	512	10 18	44	974	19 9	986	956	11 41	30
10	29·2	12 40	34·7	24·0	6 11	10·7	537	20 50	554	514	9 51	40	975	19 6	989	961	10 53	28
11	28·7	12 50	34·3	23·7	6 26	10·6	536	20 12	554	515	8 52	39	977	17 33	987	967	10 38	20
12*	28·7	13 50	34·0	24·0	7 4	10·0	535	20 0	554	512	9 24	42	977	4 47	986	967	12 58	19
13	29·2	13 51	37·5	23·0	7 9	14·5	533	19 47	556	505	9 39	51	972	4 47	984	950	11 57	34
14*	29·2	12 55	36·0	24·2	7 49	11·8	535	15 20	549	511	8 44	38	973	4 52	984	955	11 56	29
15	29·5	12 50	38·4	23·6	6 40	14·8	537	14 46	575	511	8 23	64	972	16 4	990	952	10 21	38
16	28·4	13 3	35·8	21·0	20 33	14·8	536	19 18	557	507	11 2	50	973	17 54	988	952	10 58	36
17*	29·3	13 33	37·5	24·5	6 18	13·0	533	23 20	551	502	9 50	49	971	16 7	985	951	12 20	34
18*	29·4	12 38	37·6	23·2	8 10	14·4	535	17 30	550	501	10 24	49	973	17 28	987	955	12 19	32
19**	28·9	12 49	39·8	21·7	7 50	18·1	536	5 40	561	494	12 20	67	974	17 40	995	952	12 17	43
20**	28·8	13 4	37·2	22·6	7 22	14·6	529	4 31	559	493	11 0	66	977	17 40	998	964	11 58	34
21**	29·0	12 20	35·6	22·0	1 22	13·6	525	23 7	575	488	8 40	87	979	17 21	999	963	0 29	36
22	29·3	12 24	39·3	23·2	0 48	16·1	530	20 31	569	489	9 27	80	977	16 45	1001	957	12 0	44
23	28·4	13 20	34·5	23·0	2 40	11·5	527	23 57	557	479	8 40	78	977	17 8	993	964	11 50	29
24	27·9	13 40	34·6	22·6	7 54	12·0	530	23 50	561	507	10 58	54	982	16 20	995	966	10 56	29
25	27·7	13 21	34·7	20·7	3 19	14·0	535	0 58	578	505	12 51	73	973	16 40	989	944	8 16	45
26	28·8	12 30	34·8	23·8	7 23	11·0	534	0 30	549	514	11 2	35	977	16 59	992	960	11 54	32
27**	28·8	18 32	34·4	22·9	6 41	11·5	544	18 49	606	505	19 8	101	977	7 38	988	957	19 6	31
28**	28·4	11 44	34·7	22·7	18 35	12·0	535	1 36	562	512	8 13	50	978	18 40	1004	960	12 0	44
29	29·0	12 57	35·9	22·7	7 7	13·2	531	20 30	554	503	9 57	51	977	16 20	990	960	9 56	30
30	28·4	12 55	36·9	22·3	7 47	14·6	531	0 18	559	496	11 0	63	977	16 10	995	956	11 53	39
31	28·7	13 4	35·8	22·7	7 18	13·1	533	4 46	554	502	9 18	52	979	15 17	995	964	11 24	31
Mean	28·9	—	36·0	23·1	—	12·9	534	—	561	504	—	56·7	975	—	990	956	—	33·6
Mean*	29·2	—	36·3	24·2	—	12·2	535	—	551	506	—	44·2	973	—	985	957	—	28·6
Mean**	28·8	—	36·3	22·4	—	14·0	534	—	573	498	—	74·2	977	—	997	959	—	37·6

* 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.
SEPT.	11°+	U.T. h m	11°+	11°+	U.T. h m		18000γ+	U.T. h m	18000γ+	18000γ+	U.T. h m	γ	42000γ+	U.T. h m	42000γ+	42000γ+	U.T. h m	γ
1	28′·4	0 10	36′·4	20′·9	7 19	15′·5	536	0 16	592	509	10 39	83	971	0 3	985	955	11 57	30
2*	28·9	13 32	35·1	24·3	7 19	10·8	536	15 5	551	510	9 50	41	975	6 3	986	957	10 57	29
3	29·2	13 42	38·0	23·9	7 11	14·1	538	18 50	554	509	9 50	45	973	16 39	985	954	12 40	31
4	28·5	12 54	36·3	20·3	22 47	16·0	534	19 1	575	496	11 29	79	976	20 2	989	953	11 20	36
5	27·9	13 27	35·3	22·1	7 50	13·2	532	20 32	561	496	10 41	65	976	17 7	990	963	11 56	27
6	29·2	12 20	38·2	23·5	7 21	14·7	529	21 50	552	493	10 30	59	976	16 29	987	954	10 30	33
7	28·7	12 54	38·0	22·3	6 51	15·7	532	3 35	556	497	14 55	59	974	17 13	994	949	11 33	45
8*	28·5	12 58	34·9	24·3	7 21	10·6	531	0 9	566	501	10 19	65	973	17 4	984	953	11 8	31
9	28·0	12 40	33·0	22·0	21 40	11·0	535	18 54	559	508	22 0	51	975	22 22	986	964	11 55	22
10	28·0	13 2	35·7	19·6	19 13	16·1	530	21 52	562	486	10 0	76	975	19 32	998	956	12 13	42
11**	27·3	13 36	45·2	11·8	20 52	33·4	538	21 0	650	469	14 23	181	974	18 34	1016	950	11 1	66
12**	26·6	5 17	37·6	15·6	2 13	22·0	513	3 41	555	476	7 17	79	968	16 58	996	927	3 10	69
13*	27·3	13 30	32·8	23·3	7 48	9·5	517	21 47	533	489	10 40	44	983	17 22	993	971	12 53	22
14	28·0	13 12	36·1	22·9	21 50	13·2	524	20 56	555	500	8 20	55	981	15 43	993	963	12 27	30
15	28·9	12 53	39·1	18·9	23 19	20·2	522	22 34	572	489	9 14	83	985	16 4	1019	968	11 1	51
16	28·5	12 59	38·6	19·1	23 59	19·5	519	3 52	544	494	12 41	50	982	16 58	999	966	11 39	33
17	28·5	14 40	37·7	18·3	2 22	19·4	516	6 9	552	470	15 14	82	982	16 1	1010	960	10 37	50
18**	29·0	13 53	38·5	18·8	22 0	19·7	512	22 12	572	447	14 10	125	984	14 47	1020	958	1 26	62
19	27·4	12 59	33·7	16·9	23 5	16·8	510	4 29	549	462	10 19	87	982	20 38	997	968	5 30	29
20	27·0	13 28	32·6	20·6	0 0	12·0	522	23 26	538	489	10 12	49	982	7 20	994	967	12 59	27
21*	27·4	12 44	32·5	23·6	8 53	8·9	524	0 27	538	507	10 10	31	982	18 40	995	964	12 23	31
22*	27·8	12 31	33·2	24·2	7 20	9·0	528	19 42	542	505	10 30	37	979	20 33	990	957	12 17	33
23**	26·5	13 20	44·1	13·7	22 14	30·4	509	13 20	575	447	21 40	128	991	18 18	1034	946	12 53	88
24	27·2	14 30	34·6	13·3	0 41	21·3	511	21 21	543	471	0 58	72	990	20 13	1016	970	2 30	46
25**	28·1	12 27	40·6	14·7	2 26	25·9	501	0 51	563	389	9 4	174	994	16 1	1037	957	4 20	80
26	27·8	12 51	35·4	19·9	8 7	15·5	507	4 2	555	461	12 1	94	992	15 19	1020	970	4 10	50
27	28·0	12 4	34·5	23·1	22 32	11·4	511	24 0	549	469	8 33	80	994	16 43	1012	980	10 56	32
28	27·7	12 54	37·7	23·0	0 50	14·7	512	0 5	561	472	14 56	89	993	15 40	1015	974	11 55	41
29	26·9	13 15	34·0	19·0	22 6	15·0	520	1 20	562	485	11 30	77	991	16 10	1011	975	11 30	36
30	28·4	14 30	38·7	14·9	22 40	23·8	512	21 9	550	450	15 50	100	998	16 41	1031	973	23 31	58
Mean	28·0	—	36·6	19·9	—	16·6	522	—	560	482	—	78·0	982	—	1003	961	—	42·0
Mean*	28·0	—	33·7	23·9	—	9·8	527	—	546	502	—	43·6	978	—	990	960	—	29·2
Mean**	27·5	—	41·2	14·9	—	26·3	515	—	583	446	—	137·4	982	—	1021	948	—	73·0
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	28′·0	13 29	33′·3	23′·9	9 10	9′·4	522	20 48	563	487	7 25	76	992	21 40	1001	980	12 35	21
2	27·3	13 4	33·2	19·1	23 31	14·1	527	22 31	566	491	10 35	75	990	17 21	1002	973	12 57	29
3*	27·3	12 59	33·6	22·1	0 0	11·5	523	19 14	538	501	10 32	37	989	7 22	997	971	11 37	26
4	27·3	13 21	33·1	22·6	20 0	10·5	528	18 30	544	495	11 20	49	989	20 10	999	971	13 51	28
5*	27·1	12 30	32·9	22·2	8 40	10·7	526	1 42	545	495	11 39	50	988	8 2	999	970	11 53	29
6*	27·3	13 20	32·9	22·5	9 2	10·4	530	23 0	550	501	11 27	49	987	7 42	996	972	11 19	24
7	27·0	11 42	35·7	18·2	0 54	17·5	528	0 30	568	464	11 26	104	988	21 19	999	968	11 24	31
8	26·7	13 13	34·8	22·3	22 40	12·5	528	22 10	559	501	11 14	58	990	16 37	1000	975	12 38	25
9*	26·6	14 6	32·0	22·1	9 2	9·9	524	21 7	540	489	11 15	51	989	7 43	996	976	10 56	20
10	26·0	13 28	34·0	16·7	17 59	17·3	521	21 53	565	488	17 5	77	993	18 7	1016	980	12 58	36
11**	26·6	16 24	35·3	14·7	18 23	20·6	520	18 34	566	468	15 13	98	994	17 40	1022	967	11 30	55
12	27·4	14 1	32·7	21·1	0 22	11·6	525	1 15	557	510	2 1	47	986	0 12	1002	969	11 30	33
13*	27·5	13 35	32·7	22·1	9 16	10·6	527	19 8	547	493	12 10	54	985	16 13	995	970	11 18	25
14	28·0	13 0	35·0	22·2	21 30	12·8	527	5 46	576	481	10 55	95	985	16 17	998	972	5 55	26
15	27·2	13 59	37·5	17·1	19 31	20·4	518	2 8	567	475	11 16	92	988	15 45	1010	968	2 17	42
16	27·8	5 10	36·1	19·0	18 35	17·1	522	6 21	553	489	10 58	64	988	15 9	1010	967	10 58	43
17	27·4	13 8	36·0	21·3	21 0	14·7	518	18 55	550	463	11 55	87	990	16 17	1011	969	10 59	42
18	28·2	11 40	36·0	24·2	18 30	11·8	522	1 45	561	495	11 40	66	987	19 7	1008	958	2 0	50
19	27·3	12 40	35·2	18·9	19 34	16·3	522	23 0	561	481	12 7	80	989	8 0	997	975	23 49	22
20**	27·5	14 17	43·6	11·1	20 21	32·5	502	9 33	542	441	15 54	101	995	15 28	1037	966	11 40	71
21**	25·9	13 11	35·4	4·7	18 13	30·7	499	22 50	578	465	9 52	113	998	18 4	1027	970	23 14	57
22	27·6	12 54	34·5	20·7	20 30	13·8	506	20 35	560	458	12 40	102	1000	16 42	1020	980	3 15	40
23	27·4	13 21	33·0	21·5	8 55	11·5	517	21 10	538	487	10 24	51	996	8 24	1007	985	12 33	22
24**	29·5	14 47	42·5	24·6	23 50	17·9	496	0 25	542	410	11 43	132	1009	15 10	1075	984	9 42	91
25	25·5	12 20	32·0	12·0	23 31	20·0	504	23 39	542	475	10 44	67	1001	21 38	1020	985	22 59	35
26	26·4	13 57	31·6	17·5	0 0	14·1	509	22 30	529	480	12 1	49	996	15 34	1005	980	10 57	25
27**	27·4	14 22	39·7	12·8	22 40	26·9	508	8 33	548	454	20 25	94	1002	19 40	1043	969	11 20	74
28	25·6	13 32	34·2	18·4	1 40	15·8	504	1 50	540	465	10 58	75	1001	18 40	1029	986	10 57	43
29	26·8	13 52	34·0	22·0	15 39	12·0	508	22 58	526	480	9 56	46	1003	15 53	1023	994	10 57	29
30	27·9	14 54	35·5	23·9	17 20	11·6	506	4 22	541	467	15 51	74	1004	16 19	1037	985	6 54	52
31	28·9	12 10	36·9	21·2	23 0	15·7	515	19 24	564	457	12 20	107	1002	14 40	1031	985	9 38	46
Mean	27·2	—	35·0	19·4	—	15·6	517	—	552	478	—	74·8	993	—	1013	975	—	38·5
Mean*	27·2	—	32·8	22·2	—	10·6	526	—	544	496	—	48·2	988	—	997	972	—	24·8
Mean**	27·4	—	39·3	13·6	—	25·7	505	—	555	448	—	107·6	1000	—	1041	971	—	69·6

* 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	27′·2	12 58	32′·9	23′·8	0 0	9′·1	525	5 59	544	507	10 57	37	995	16 4	1005	981	11 53	24
2	25·8	12 40	34·1	16·6	21 20	17·5	520	21 30	577	491	11 36	86	996	18 40	1015	983	12 1	32
3	25·9	0 33	33·7	21·8	0 2	11·9	521	0 24	556	486	16 38	70	998	17 8	1014	980	1 14	34
4*	26·4	12 40	32·7	22·9	8 47	9·8	524	22 32	539	497	12 15	42	999	16 40	1006	989	11 22	17
5**	25·3	13 30	35·0	10·7	18 36	24·3	524	22 53	592	476	18 22	116	1000	18 4	1022	976	23 59	46
6	26·8	3 21	34·3	18·6	0 3	15·7	517	6 0	539	484	10 14	55	993	16 41	1005	975	4 30	30
7	26·3	11 59	31·6	22·0	20 0	9·6	521	18 24	537	495	12 10	42	996	20 40	1006	984	10 57	22
8	26·7	13 2	32·9	22·5	20 32	10·4	520	20 51	542	490	10 42	52	997	16 46	1009	988	11 56	21
9	26·9	11 36	31·7	23·2	8 43	8·5	527	20 21	543	498	11 6	45	994	23 47	1003	982	9 56	21
10*	26·8	13 23	30·7	24·3	8 17	6·4	528	23 19	542	511	11 17	31	993	0 40	1004	981	10 25	23
11	26·6	12 55	32·2	18·8	23 23	13·4	531	8 38	550	508	21 6	42	992	21 18	1006	973	10 59	33
12**	26·9	14 59	35·9	8·2	23 50	27·7	515	11 14	558	445	16 14	113	1000	17 1	1041	979	10 32	62
13**	25·1	14 20	31·5	10·2	0 4	21·3	508	22 0	576	467	16 31	109	1001	16 42	1026	986	23 53	40
14**	26·3	8 8	32·5	15·8	19 40	16·7	506	5 24	541	471	17 11	70	1000	18 16	1028	984	8 11	44
15	26·3	13 10	30·6	22·9	9 3	7·7	516	22 31	528	491	10 38	37	998	17 7	1005	987	12 2	18
16	26·6	13 36	31·1	21·7	23 30	9·4	517	22 30	530	497	10 40	33	999	21 10	1012	989	11 54	23
17*	26·0	12 19	30·0	22·2	0 36	7·8	521	21 46	536	504	11 23	32	998	20 10	1006	986	11 22	20
18	26·2	13 5	31·7	14·8	23 30	16·9	526	23 30	555	507	10 58	48	996	17 51	1006	988	12 55	18
19	26·6	12 20	32·0	17·4	21 46	14·6	517	6 21	541	476	11 55	65	997	16 12	1009	987	3 39	22
20	26·5	11 48	31·7	17·3	16 54	14·4	518	21 40	547	477	14 14	70	1000	17 8	1018	990	7 50	28
21	26·2	13 53	30·0	22·6	17 10	7·4	522	6 21	542	492	11 50	50	1000	14 39	1009	988	6 56	21
22	26·0	12 47	30·0	22·3	17 55	7·7	523	23 49	558	504	11 40	54	999	14 39	1009	992	23 57	17
23	26·3	12 59	30·9	23·2	0 7	7·7	524	0 2	546	502	11 21	44	999	14 40	1008	994	23 54	14
24	26·4	12 44	30·9	23·8	7 27	7·1	530	23 56	543	520	20 10	23	996	23 50	1003	989	11 44	14
25*	26·1	12 44	30·1	23·6	23 9	6·5	530	17 0	537	519	11 40	18	997	14 7	1005	990	7 30	15
26*	25·9	13 27	29·9	23·4	23 20	6·5	527	19 20	538	513	10 23	25	995	15 39	1001	986	10 50	15
27**	26·0	18 14	32·6	14·3	19 32	18·3	523	15 6	543	443	19 29	100	1000	19 50	1037	989	10 56	48
28	25·9	17 16	29·4	22·8	21 39	6·6	521	8 0	535	500	18 9	35	998	18 30	1011	982	12 31	29
29	26·3	14 20	30·1	14·0	21 27	16·1	537	6 22	553	502	20 56	51	994	21 9	1011	984	9 34	27
30	25·7	12 10	31·2	16·3	21 32	14·9	521	6 24	561	481	11 6	80	999	21 5	1015	984	7 52	31
Mean	26·3	—	31·8	19·4	—	12·4	522	—	548	492	—	55·8	997	—	1012	985	—	27·0
Mean*	26·2	—	30·7	23·3	—	7·4	526	—	538	509	—	29·6	996	—	1004	986	—	18·0
Mean**	25·9	—	33·5	11·8	—	21·7	515	—	562	460	—	101·6	1000	—	1031	983	—	48·0
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**	25′·7	13 12	32′·4	17′·5	21 30	14′·9	516	21 40	555	465	16 41	90	1002	17 3	1020	989	7 57	31
2	26·1	11 34	32·5	16·0	23 8	16·5	517	3 50	537	451	12 22	86	999	13 14	1013	991	4 7	22
3	25·1	12 44	30·4	18·1	0 1	12·3	513	0 22	544	483	15 30	61	1000	16 20	1017	984	0 57	33
4*	26·1	12 1	30·9	23·0	0 19	7·9	522	19 44	535	509	11 14	26	997	7 8	1001	991	11 25	10
5*	25·9	12 41	28·7	23·4	2 32	5·3	525	19 40	537	495	7 51	42	1000	14 10	(1007)	(989)	9 28	(18)
6*	25·9	11 58	30·2	22·5	21 47	7·7	524	22 3	538	506	11 48	32	1001	13 40	1006	994	7 51	12
7	25·3	13 20	32·6	18·4	21 4	14·2	522	21 20	548	495	11 51	53	1000	16 5	1008	988	11 17	20
8	25·5	12 57	30·7	21·0	20 31	9·7	530	20 34	553	513	17 25	40	996	19 12	1001	989	7 54	12
9	25·1	13 26	29·4	14·4	23 40	15·0	525	23 34	542	503	21 10	39	997	21 39	1007	985	8 55	22
10	25·5	13 11	30·4	15·8	0 0	14·6	527	6 9	544	502	17 28	42	995	17 41	1004	985	12 22	19
11	25·5	13 20	30·0	13·9	22 19	16·1	525	7 10	542	498	11 28	44	997	14 37	1007	987	9 28	20
12	25·9	14 28	31·3	20·8	20 12	10·5	522	8 39	536	488	16 40	48	996	17 9	1011	981	11 38	30
13	26·6	13 27	30·6	21·9	17 16	8·7	522	5 19	549	487	12 44	62	997	17 30	1010	984	12 41	26
14**	25·0	14 18	31·4	9·1	22 41	22·3	511	23 5	568	458	18 30	110	1003	18 39	1035	989	10 58	46
15	26·2	7 0	33·2	17·1	18 15	16·1	505	3 27	544	466	11 34	78	1002	14 57	1017	982	2 3	35
16	25·5	13 2	33·2	15·2	21 31	18·0	512	21 45	574	446	14 57	128	1002	15 20	1023	985	1 29	38
17	25·1	12 7	28·9	21·0	23 7	7·9	518	22 53	550	479	11 58	71	999	8 38	1002	990	23 55	12
18	24·8	13 33	28·6	17·4	19 23	11·2	521	23 41	546	500	13 20	46	998	19 36	1004	988	23 58	16
19	25·1	12 46	29·8	18·2	0 11	11·6	520	23 12	531	500	12 17	31	996	21 18	1001	985	1 15	16
20	25·3	13 13	29·3	22·8	21 53	6·5	523	0 13	550	502	15 52	48	998	18 15	1002	989	1 3	13
21	25·3	12 48	28·8	22·3	19 37	6·5	526	18 54	536	513	9 28	23	996	8 4	999	990	11 58	9
22*	25·5	12 41	27·7	22·0	0 2	5·7	529	0 7	538	518	9 25	20	994	0 2	997	991	5 50	6
23*	25·2	13 33	27·2	23·7	7 52	3·5	530	20 23	537	515	13 3	22	994	0 13	996	988	12 6	8
24	25·0	15 21	27·1	16·7	23 30	10·4	535	21 38	560	509	23 44	51	994	23 50	1000	987	22 30	13
25	25·3	18 39	32·1	17·4	0 5	14·7	523	7 38	552	482	20 3	70	1000	20 50	1018	987	10 58	31
26**	24·9	15 31	34·4	13·1	23 15	21·3	517	6 23	551	484	23 58	67	1004	20 31	1018	986	7 50	32
27**	25·0	17 56	32·7	14·5	0 22	18·2	510	5 39	546	473	23 54	73	1010	21 56	1036	986	7 50	50
28**	23·6	11 22	34·4	14·3	2 10	20·1	519	1 31	553	462	10 52	91	1005	0 20	1028	989	10 7	39
29	24·6	12 41	29·6	15·5	22 47	14·1	518	19 50	548	498	14 18	50	1006	14 29	1012	997	12 18	15
30	24·6	11 36	28·5	17·8	18 34	10·7	518	19 46	533	495	11 7	38	1006	18 42	1017	1000	10 8	17
31	24·3	12 35	28·6	19·2	21 39	9·4	521	21 43	543	497	9 59	46	1007	18 37	1014	999	11 59	15
Mean	25·3	—	30·5	18·2	—	12·3	521	—	546	490	—	55·8	1000	—	1011	989	—	22·2
Mean*	25·7	—	28·9	22·9	—	6·0	526	—	537	509	—	28·4	997	—	1001	991	—	10·8
Mean**	24·8	—	33·1	13·7	—	19·4	515	—	555	468	—	86·2	1005	—	1027	988	—	39·6

* 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, 1935.	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.	−1·94	−0·98	−0·75	−0·57	−0·53	−0·43	−0·17	−0·10	+0·04	+0·53	+1·15	+1·89	+2·57	**+2·70**	+1·85	+1·49	+0·77	+0·44	+0·23	−0·64	−1·56	−1·80	**−2·30**	−1·80
Feb.	−2·07	−1·33	−1·44	−1·07	−0·57	−0·58	−0·49	−0·44	−1·10	−0·71	+0·85	**+2·39**	+3·54	**+3·86**	+3·63	+2·58	+1·34	+0·74	−0·34	−0·90	−1·48	−2·02	**−2·22**	−2·12
Mar.	−1·82	−1·87	−1·39	−1·43	−1·33	−1·51	−1·53	−1·86	**−2·41**	−1·73	+0·63	+3·17	+5·27	**+5·79**	+4·97	+3·42	+1·67	+0·11	−0·60	−0·59	−1·11	−1·79	−1·89	−1·98
Apr.	−1·15	−0·85	−0·65	−1·23	−1·83	−1·85	−2·43	−3·69	**−4·13**	−2·92	−0·42	+2·59	+5·10	**+6·05**	+5·49	+3·78	+2·20	+0·91	−0·04	−0·39	−0·97	−1·13	−1·20	−1·23
May	−1·53	−1·44	−1·43	−1·02	−1·99	−2·85	−3·33	**−3·68**	−3·65	−2·31	+0·23	+2·99	+4·90	**+5·47**	+4·85	+3·39	+2·31	+1·31	+0·44	+0·26	−0·19	−0·46	−0·70	−1·65
June	−1·45	−1·61	−1·79	−1·77	−2·85	−4·17	−5·12	**−5·36**	−4·53	−2·47	+0·41	+3·27	+5·67	**+6·56**	+6·19	+4·90	+3·43	+1·90	+0·70	−0·01	−0·48	−0·35	−0·55	−0·69
July	−1·23	−1·34	−1·56	−1·97	−2·58	−3·39	−4·14	**−4·48**	−3·74	−2·18	+0·15	+2·89	+5·47	**+6·30**	+5·70	+4·23	+2·63	+1·22	+0·45	−0·08	−0·28	−0·28	−0·74	−1·15
Aug.	−0·97	−1·21	−1·65	−1·76	−2·54	−3·33	−4·00	**−4·08**	−3·11	−1·26	+1·32	+3·82	+5·60	**+5·82**	+4·67	+2·86	+1·22	+0·27	+0·08	+0·18	−0·29	−0·27	−0·57	−0·73
Sept.	−1·37	−1·96	−2·54	−1·42	−1·86	−1·85	−2·58	−2·74	−2·20	−0·29	+1·99	+4·76	+6·40	**+6·45**	+4·89	+3·05	+1·09	+0·65	−0·32	−1·08	−1·53	−2·09	**−2·97**	−2·53
Oct.	−1·55	−1·20	−1·06	−0·94	−0·94	−0·70	−0·83	−1·59	**−2·71**	−2·35	+0·30	+3·11	+5·06	**+5·64**	+5·16	+3·15	+1·70	+0·14	−0·82	−1·08	−1·85	−2·34	−2·28	−2·03
Nov.	−1·41	−0·54	−0·30	−0·01	−0·06	−0·57	−0·60	−0·96	−1·51	−1·07	+0·44	+2·22	+3·44	**+3·59**	+2·96	+2·11	+0·74	+0·18	−0·23	−0·72	−1·28	−2·16	−2·15	**−2·21**
Dec.	−1·89	−1·19	−0·77	−0·94	−0·74	−0·56	−0·04	−0·14	−0·37	+0·07	+0·92	+2·30	**+3·13**	+3·01	+2·16	+1·60	+1·36	+0·62	−0·14	−0·30	−1·08	−2·00	**−2·66**	−2·46
Year	−1·53	−1·29	−1·28	−1·18	−1·49	−1·82	−2·11	−2·43	**−2·45**	−1·39	+0·66	+2·95	+4·68	**+5·10**	+4·38	+3·05	+1·71	+0·71	−0·05	−0·45	−1·01	−1·39	−1·69	−1·72
Winter	−1·83	−1·01	−0·82	−0·65	−0·48	−0·54	−0·33	−0·41	−0·74	−0·30	+0·84	+2·20	+3·17	**+3·29**	+2·65	+1·95	+1·05	+0·50	−0·12	−0·64	−1·35	−2·00	**−2·33**	−2·15
Equinox	−1·47	−1·47	−1·41	−1·26	−1·49	−1·48	−1·84	−2·47	**−2·86**	−1·82	+0·63	+3·41	+5·46	**+5·98**	+5·13	+3·35	+1·67	+0·45	−0·45	−0·79	−1·37	−1·84	−2·09	−1·94
Summer	−1·30	−1·40	−1·61	−1·63	−2·49	−3·44	−4·15	**−4·40**	−3·76	−2·06	+0·53	+3·24	+5·41	**+6·04**	+5·35	+3·85	+2·40	+1·18	+0·42	+0·09	−0·31	−0·34	−0·64	−1·06

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	+0·08	+0·10	−0·11	−0·15	−0·35	**−0·53**	−0·48	−0·51	−0·23	−0·04	+0·18	+0·34	**+0·35**	+0·29	+0·24	+0·16	+0·13	−0·08	0·00	+0·10	+0·14	+0·12	+0·11	+0·04
Feb.	−0·15	−0·38	−0·40	−0·33	−0·59	−0·57	**−0·72**	−0·61	−0·29	+0·11	+0·38	**+0·67**	+0·49	+0·25	+0·12	+0·36	+0·55	+0·42	+0·37	+0·23	+0·08	+0·13	−0·04	−0·16
Mar.	−0·35	−0·25	−0·19	−0·37	−0·26	**−0·48**	−0·45	−0·32	−0·11	+0·44	+0·49	+0·50	+0·36	+0·24	+0·22	+0·48	**+0·56**	+0·46	+0·23	0·00	−0·16	−0·23	−0·38	−0·37
Apr.	−0·39	−0·37	−0·35	−0·44	−0·42	−0·35	−0·20	+0·06	+0·58	+1·12	**+1·50**	+1·29	+0·87	+0·53	+0·25	+0·06	−0·24	−0·30	−0·34	−0·49	−0·42	−0·51	−0·62	**−0·71**
May	−0·34	−0·34	−0·23	−0·21	−0·20	−0·06	+0·11	+0·32	+0·57	**+0·72**	+0·71	+0·59	+0·52	+0·33	+0·32	+0·13	−0·18	−0·34	−0·36	**−0·56**	−0·50	−0·44	−0·35	−0·33
June	−0·51	−0·49	−0·40	−0·31	−0·18	−0·09	+0·26	+0·64	+0·99	**+1·30**	+1·17	+0·88	+0·36	+0·32	−0·03	−0·18	−0·31	−0·44	−0·58	**−0·70**	−0·53	−0·37	−0·38	−0·38
July	−0·48	−0·50	−0·42	−0·36	−0·24	−0·07	+0·16	+0·59	+0·94	**+1·15**	**+1·15**	+0·93	+0·61	+0·42	+0·03	−0·10	+0·02	−0·14	−0·30	−0·60	**−0·74**	−0·72	−0·72	−0·63
Aug.	−0·62	−0·48	−0·35	−0·29	−0·24	−0·08	+0·15	+0·64	+1·11	**+1·16**	+0·94	+0·61	+0·33	+0·24	+0·25	+0·17	+0·09	−0·21	−0·44	−0·63	**−0·73**	−0·56	−0·51	−0·64
Sept.	−0·70	−0·74	−0·62	−0·79	**−0·90**	−0·55	−0·25	+0·35	+0·84	+1·11	**+1·19**	+0·84	+0·43	+0·26	+0·32	+0·43	+0·24	+0·07	−0·05	0·00	−0·21	−0·52	−0·51	−0·34
Oct.	−0·67	−0·68	−0·71	−0·72	−0·76	**−0·83**	−0·76	−0·29	+0·15	+0·65	+0·98	**+1·26**	+1·15	+0·79	+0·75	+0·77	+0·58	+0·28	−0·04	−0·09	−0·24	−0·26	−0·72	−0·64
Nov.	−0·29	−0·23	−0·27	−0·29	−0·42	−0·59	**−0·66**	−0·56	−0·31	+0·21	+0·69	**+0·80**	+0·74	+0·56	+0·46	+0·48	+0·48	+0·27	−0·01	+0·12	−0·07	−0·22	−0·45	−0·46
Dec.	−0·05	−0·11	−0·15	−0·38	−0·44	−0·61	**−0·63**	−0·47	−0·28	+0·11	+0·53	**+0·64**	+0·51	+0·37	+0·32	+0·26	+0·30	+0·15	+0·14	+0·04	−0·09	−0·06	−0·11	−0·06
Year	−0·37	−0·37	−0·35	−0·39	**−0·42**	−0·40	−0·29	−0·01	+0·33	+0·67	**+0·83**	+0·78	+0·56	+0·38	+0·27	+0·25	+0·19	+0·01	−0·12	−0·22	−0·29	−0·30	−0·39	−0·39
Winter	−0·10	−0·16	−0·23	−0·29	−0·45	−0·58	**−0·62**	−0·54	−0·28	+0·10	+0·45	**+0·61**	+0·52	+0·37	+0·29	+0·32	+0·37	+0·19	+0·13	+0·12	+0·01	−0·01	−0·12	−0·16
Equinox	−0·53	−0·51	−0·47	−0·58	**−0·59**	−0·55	−0·42	−0·05	+0·37	+0·83	**+1·04**	+0·97	+0·70	+0·46	+0·39	+0·44	+0·29	+0·13	−0·05	−0·15	−0·26	−0·38	−0·56	−0·52
Summer	−0·49	−0·45	−0·35	−0·29	−0·22	−0·08	+0·17	+0·55	+0·90	**+1·08**	+0·99	+0·75	+0·46	+0·33	+0·14	+0·01	−0·10	−0·28	−0·42	−0·62	**−0·63**	−0·52	−0·49	−0·50

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

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

"All" Days.

NORTH COMPONENT.

Month and Season, 1935.	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.	+ 0·5	− 1·1	+ 0·9	+ 1·6	+ 4·8	+ **7·2**	+ 6·0	+ 6·3	+ 2·3	− 1·2	− 5·2	− 8·2	− **8·8**	− 6·4	− 3·6	− 2·2	− 1·0	+ 2·1	+ 0·9	+ 0·6	+ 1·0	+ 1·1	+ 1·3	+ 1·6
Feb.	+ 3·9	+ 5·5	+ 5·6	+ 4·2	+ 7·5	+ 7·5	+ **9·4**	+ 7·8	+ 4·2	− 2·5	− 9·0	−**14·9**	− 12·4	− 8·3	− 4·8	− 5·9	− 6·5	− 3·6	− 1·6	+ 0·8	+ 3·0	+ 2·0	+ 4·2	+ 4·8
Mar.	+ 6·6	+ 4·7	+ 3·3	+ 5·8	+ 4·3	+ 7·9	+ 7·5	+ 6·0	+ 2·8	− 7·4	− 12·0	−**16·2**	− 15·2	− 11·8	− 7·4	− 7·0	− 4·8	− 2·0	+ 1·5	+ 3·9	+ 5·8	+ 6·9	+ **8·4**	+ 7·8
Apr.	+ 7·0	+ 6·2	+ 5·5	+ 7·4	+ 8·0	+ 7·3	+ 6·0	+ 3·7	− 4·6	−15·6	−26·0	−**27·7**	− 23·8	− 17·7	− 9·8	− 2·7	+ 4·6	+ 7·7	+ 9·3	+10·8	+ 9·9	+10·6	+11·2	+**11·8**
May	+ 7·1	+ 6·8	+ 5·0	+ 4·5	+ 5·9	+ 5·0	+ 2·5	− 0·6	− 5·5	−11·2	−16·5	−19·3	−**19·4**	− 14·5	−10·4	− 3·9	+ 3·5	+ 7·7	+ 8·8	+**11·3**	+10·4	+ 9·1	+ 7·5	+ 7·6
June	+ 8·5	+ 8·1	+ 6·9	+ 6·1	+ 6·5	+ 6·7	+ 2·4	− 3·5	−11·1	−19·5	−22·9	−**23·3**	− 17·9	− 16·7	− 7·5	− 0·8	+ 5·1	+ 9·8	+13·8	+**15·3**	+11·8	+ 7·7	+ 7·2	+ 6·6
July	+ 8·5	+ 8·5	+ 7·8	+ 7·8	+ 7·2	+ 5·5	+ 3·2	− 3·2	−11·1	−17·6	−21·8	−**23·1**	− 20·6	− 16·3	− 6·8	− 0·9	+ 0·6	+ 5·2	+ 7·9	+11·9	+**13·4**	+12·2	+12·2	+10·7
Aug.	+ 9·9	+ 8·2	+ 6·9	+ 6·4	+ 7·0	+ 5·8	+ 3·1	− 4·4	−13·9	−18·6	−**20·2**	−18·9	− 15·9	− 12·3	− 8·6	− 3·1	+ 0·9	+ 6·2	+ 9·1	+11·4	+**12·9**	+ 9·8	+ 9·0	+10·7
Sept.	+10·8	+11·1	+10·3	+11·4	+**13·3**	+ 8·5	+ 6·0	− 2·6	−11·6	−19·0	−**24·3**	−23·1	− 17·7	− 12·9	− 8·7	− 5·3	+ 0·7	+ 3·4	+ 5·6	+ 5·6	+ 8·4	+12·0	+11·4	+ 7·7
Oct.	+10·7	+10·1	+10·1	+ 9·7	+10·6	+11·4	+10·7	+ 5·2	− 0·1	− 9·7	−19·2	−**26·4**	− 25·1	− 18·7	− 14·6	− 10·2	− 5·3	+ 0·1	+ 5·4	+ 5·7	+ 7·9	+ 8·0	+**13·3**	+11·0
Nov.	+ 5·1	+ 3·0	+ 3·3	+ 3·2	+ 5·4	+ 8·5	+ 9·1	+ 7·9	+ 5·0	− 4·2	−12·9	−**16·5**	− 16·2	− 12·1	− 8·6	− 7·3	− 4·8	− 1·2	+ 2·8	+ 1·2	+ 4·3	+ 7·0	+ **9·4**	+ 8·8
Dec.	+ 2·4	+ 2·1	+ 1·9	+ 5·1	+ 5·7	+ **8·2**	+ 7·8	+ 5·3	+ 2·6	− 3·4	−10·1	−**13·6**	− 11·5	− 7·9	− 5·7	− 3·7	− 3·9	− 0·7	+ 0·6	+ 2·0	+ 4·2	+ 4·5	+ 5·3	+ 3·7
Year	+ 6·8	+ 6·1	+ 5·6	+ 6·1	+ 7·2	+ 7·5	+ 6·1	+ 2·3	− 3·4	−10·8	−16·7	−**19·3**	− 17·0	− 13·0	− 8·0	− 4·4	− 0·9	+ 2·9	+ 5·3	+ 6·7	+ 7·8	+ 7·6	+ **8·4**	+ 7·7
Winter	+ 3·0	+ 2·4	+ 2·9	+ 3·5	+ 5·9	+ 7·9	+ **8·1**	+ 6·8	+ 3·5	− 2·8	− 9·3	−**13·3**	− 12·2	− 8·7	− 5·7	− 4·8	− 4·1	− 0·9	+ 0·7	+ 1·2	+ 3·1	+ 3·7	+ 5·1	+ 4·7
Equinox	+ 8·8	+ 8·0	+ 7·3	+ 8·6	+ 9·1	+ 8·8	+ 7·6	+ 3·1	− 3·4	−12·9	−20·4	−**23·4**	− 20·5	− 15·3	− 10·1	− 6·3	− 1·2	+ 2·3	+ 5·5	+ 6·5	+ 8·0	+ 9·4	+**11·1**	+ 9·6
Summer	+ 8·5	+ 7·9	+ 6·7	+ 6·2	+ 6·7	+ 5·8	+ 2·8	− 2·9	−10·4	−16·7	−20·4	−**21·2**	− 18·5	− 15·0	− 8·3	− 2·2	+ 2·5	+ 7·2	+ 9·9	+**12·5**	+12·1	+ 9·7	+ 9·0	+ 8·9

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

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

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

International Quiet Days.

DECLINATION WEST.

Universal Time. Hour commencing—

Month and Season, 1935.	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.	−0·79	−0·35	+0·19	+0·41	+0·45	+0·31	+0·35	−0·13	−0·73	−0·65	−0·05	+0·65	+1·29	**+1·45**	+1·17	+1·13	+0·67	+0·41	+0·21	−0·43	−0·79	−1·39	**−1·95**	−1·51
Feb.	−0·75	−0·59	−0·05	−0·07	−0·19	−0·45	−0·41	−0·93	**−1·79**	−1·61	−0·15	+1·25	+2·51	**+2·85**	+2·17	+1·33	+0·51	+0·25	−0·31	−0·23	−0·53	−0·87	−0·91	−1·05
Mar.	−1·97	−1·37	−1·17	−1·25	−1·05	−1·15	−1·55	−2·77	**−3·29**	−2·45	−0·27	+2·81	+4·57	**+4·61**	+3·77	+2·41	+1·31	+0·47	+0·33	+0·21	−0·29	−0·53	−0·65	−0·85
Apr.	−0·68	−0·90	−0·72	−0·94	−1·18	−1·54	−2·50	−3·84	**−4·34**	−3·58	−1·76	+0·84	+3·82	**+4·98**	+4·40	+3·36	+2·28	+1·36	+0·80	+0·42	+0·14	+0·02	−0·22	−0·32
May	−0·48	−0·82	−1·10	−1·32	−1·98	−2·46	−2·92	−3·82	**−3·98**	−2·84	−0·94	+1·86	+4·20	**+4·94**	+4·48	+2·92	+1·66	+0·96	+0·52	+0·28	+0·34	+0·38	+0·22	−0·18
June	−0·30	−0·42	−0·56	−0·68	−2·12	−3·68	−4·82	**−5·66**	−5·24	−3·28	−0·12	+3·06	+5·38	**+5·76**	+5·12	+3·68	+2·10	+1·14	+0·54	+0·10	−0·08	−0·04	−0·08	+0·10
July	−0·58	−0·70	−1·40	−1·72	−2·66	−3·54	−3·98	**−4·58**	−4·48	−3·50	−1·28	+2·18	+5·10	**+6·46**	+6·40	+4·82	+3·00	+1·26	+0·36	+0·06	−0·04	−0·48	−0·38	−0·24
Aug.	−0·84	−0·66	−1·12	−1·70	−2·52	−2·88	−3·38	**−3·92**	−3·44	−1·70	+0·56	+3·50	+5·62	**+6·24**	+5·04	+2·84	+0·94	−0·18	−0·34	+0·06	−0·28	−0·50	−0·60	−0·84
Sept.	−0·87	−1·09	−1·35	−1·75	−2·25	−2·29	−2·65	**−3·13**	−2·79	−1·61	+0·57	+2·91	+4·67	**+4·75**	+3·81	+2·57	+0·99	+0·27	+0·51	+0·21	−0·15	−0·47	−0·35	−0·41
Oct.	−1·11	−0·87	−1·31	−1·57	−1·43	−1·23	−1·63	−2·77	**−3·63**	−3·19	−0·73	+1·89	+4·11	**+4·69**	+3·95	+2·45	+1·11	+0·87	+0·75	+0·47	+0·21	−0·27	−0·37	−0·47
Nov.	−1·39	−0·77	−0·71	−0·65	−0·67	−0·89	−1·11	−1·21	**−1·61**	−1·07	+0·31	+1·83	+2·97	**+3·09**	+2·41	+1·63	+1·03	+0·53	+0·13	+0·01	−0·35	−0·87	−1·05	−1·05
Dec.	−1·06	−0·72	−0·66	−1·02	−1·02	−1·08	−1·06	**−1·22**	−1·02	−0·52	+0·70	+1·92	**+2·26**	+1·88	+1·32	+1·08	+0·96	+0·88	+0·50	+0·24	+0·12	−1·08	−0·68	−0·76
Year	−0·90	−0·77	−0·83	−1·02	−1·39	−1·74	−2·14	−2·83	**−3·03**	−2·17	−0·26	+2·06	+3·88	**+4·31**	+3·67	+2·52	+1·38	+0·69	+0·33	+0·12	−0·14	−0·51	−0·59	−0·63
Winter	−1·00	−0·61	−0·31	−0·33	−0·36	−0·53	−0·56	−0·87	**−1·29**	−0·96	+0·20	+1·41	+2·26	**+2·32**	+1·77	+1·29	+0·79	+0·52	+0·13	−0·10	−0·39	−1·05	−1·15	−1·09
Equinox	−1·16	−1·06	−1·14	−1·38	−1·48	−1·55	−2·08	−3·13	**−3·51**	−2·71	−0·55	+2·11	+4·29	**+4·76**	+3·98	+2·70	+1·42	+0·74	+0·60	+0·33	−0·02	−0·31	−0·40	−0·51
Summer	−0·55	−0·65	−1·05	−1·36	−2·32	−3·14	−3·78	**−4·50**	−4·29	−2·83	−0·45	+2·65	+5·08	**+5·85**	+5·26	+3·57	+1·93	+0·80	+0·27	+0·13	−0·02	−0·16	−0·21	−0·29

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	+0·11	+0·19	+0·09	−0·08	−0·24	−0·43	−0·52	**−0·54**	−0·44	−0·23	+0·02	+0·04	+0·09	+0·23	+0·31	+0·13	+0·08	+0·02	+0·07	+0·12	+0·15	+0·31	**+0·45**	+0·22
Feb.	+0·15	+0·07	−0·00	−0·02	−0·08	−0·08	−0·28	**−0·34**	−0·10	+0·21	+0·36	**+0·55**	+0·36	+0·23	+0·13	+0·05	+0·03	+0·01	0·00	−0·17	−0·28	−0·19	−0·27	−0·28
Mar.	+0·08	−0·08	−0·04	−0·17	−0·18	−0·37	**−0·40**	−0·27	+0·02	+0·45	**+0·63**	+0·38	+0·30	+0·11	−0·19	+0·08	+0·25	+0·17	−0·05	+0·06	+0·06	−0·23	−0·33	−0·26
Apr.	−0·25	−0·16	−0·15	−0·22	−0·20	−0·25	−0·24	0·00	+0·43	+0·92	**+1·23**	+1·18	+0·91	+0·52	+0·22	−0·15	−0·32	−0·40	−0·50	−0·56	**−0·57**	−0·54	−0·54	−0·52
May	−0·04	−0·10	+0·02	−0·02	−0·05	−0·14	−0·15	+0·08	+0·42	+0·85	**+1·19**	+0·90	+0·72	+0·42	+0·13	−0·08	−0·30	−0·56	**−0·71**	−0·68	−0·62	−0·48	−0·47	−0·34
June	−0·14	−0·09	−0·11	−0·11	−0·08	+0·09	+0·34	+0·64	+0·90	**+1·15**	+1·00	+0·56	+0·22	+0·14	+0·02	−0·07	−0·19	−0·40	−0·57	**−0·86**	−0·76	−0·67	−0·56	−0·50
July	−0·34	−0·32	−0·31	−0·18	−0·15	0·00	+0·15	+0·47	+0·92	**+1·30**	+1·26	+1·06	+0·67	+0·22	−0·34	−0·35	−0·22	−0·23	−0·23	−0·48	−0·73	**−0·76**	−0·62	−0·65
Aug.	−0·25	−0·25	−0·16	−0·18	−0·01	+0·12	+0·29	+0·66	+0·96	**+1·24**	+1·06	+0·65	+0·18	−0·05	+0·04	−0·16	−0·16	−0·29	−0·40	−0·72	**−0·73**	−0·66	−0·61	−0·58
Sept.	**−0·52**	−0·26	−0·13	−0·14	−0·14	+0·08	+0·24	+0·51	+0·84	+1·03	**+1·07**	+0·62	−0·01	−0·20	−0·16	−0·03	+0·01	−0·07	−0·35	−0·52	−0·50	−0·52	−0·43	−0·43
Oct.	−0·25	−0·33	−0·34	−0·18	−0·11	−0·14	−0·13	+0·13	+0·55	+1·06	+1·09	**+1·21**	+0·88	+0·55	+0·11	+0·03	−0·14	−0·42	−0·63	**−0·71**	−0 59	−0 57	−0·51	−0·56
Nov.	+0·15	+0·26	+0·17	+0·08	−0·02	−0·17	−0·28	−0·32	−0·16	+0·24	+0·53	**+0·66**	+0·60	+0·45	+0·27	+0·07	−0·10	−0·35	−0·28	−0·39	**−0·40**	−0·36	−0·39	−0·34
Dec.	−0·05	+0·01	−0·09	−0·07	−0·10	−0·15	−0·14	−0·04	+0·05	+0·30	+0·36	**+0·56**	+0·39	+0·28	+0·16	+0·09	−0·07	−0·18	−0·23	**−0·34**	−0·29	−0·10	−0·14	−0·08
Year	−0·11	−0·09	−0·09	−0·11	−0·11	−0·12	−0·09	+0·08	+0·37	+0·71	**+0·82**	+0·70	+0·44	+0·24	+0·06	−0·03	−0·09	−0·23	−0·32	−0·44	**−0·44**	−0·40	−0·37	−0·36
Winter	+0·09	+0·13	+0·04	−0·02	−0·11	−0·21	−0·31	**−0·31**	−0·16	+0·13	+0·32	**+0·45**	+0·36	+0·30	+0·22	+0·09	−0·02	−0·13	−0·11	−0·20	−0·21	−0·09	−0·09	−0·12
Equinox	−0·24	−0·21	−0·17	−0·18	−0·16	−0·17	−0·13	+0·09	+0·46	+0·87	**+1·01**	+0·85	+0·52	+0·25	−0·01	−0·02	−0·05	−0·18	−0·38	−0·43	−0·40	**−0·47**	−0·45	−0·44
Summer	−0·19	−0·19	−0·14	−0·12	−0·07	+0·02	+0·16	+0·46	+0·80	**+1·14**	+1·13	+0·79	+0·45	+0·18	−0·04	−0·17	−0·22	−0·37	−0·48	−0·69	**−0·71**	−0·64	−0·57	−0·52

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

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

International Quiet Days.

NORTH COMPONENT.

Month and Season, 1935.	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.	− 0·8	− 2·5	− 1·5	+ 0·8	+ 3·2	+ 6·2	+ 7·0	**+ 7·7**	+ 6·2	+ 2·0	− 2·6	− 3·2	− 3·8	**− 4·8**	− 4·5	− 1·9	− 0·6	+ 0·6	− 0·1	− 0·4	− 0·6	− 2·7	− 4·1	− 1·4
Feb.	− 1·2	− 0·4	+ 0·1	+ 0·3	+ 1·4	+ 2·1	+ 4·6	**+ 6·1**	+ 3·7	− 2·0	− 6·5	**−11·5**	− 9·4	− 7·4	− 4·1	− 1·6	− 0·2	+ 0·5	+ 1·5	+ 3·8	+ 5·5	+ 4·3	+ 5·3	+ 5·2
Mar.	+ 1·5	+ 2·8	+ 2·0	+ 3·5	+ 3·7	+ 6·7	**+ 7·9**	+ 7·5	+ 3·1	− 6·0	−13·0	**−14·6**	−13·7	− 9·2	− 1·5	− 1·6	− 2·2	− 0·7	+ 2·6	+ 1·2	+ 1·3	+ 5·7	+ 6·8	+ 5·6
Apr.	+ 5·8	+ 4·5	+ 4·3	+ 5·5	+ 5·8	+ 6·9	+ 7·8	+ 5·7	− 0·8	−10·7	−19·3	**−23·8**	−23·1	−17·3	− 9·8	− 1·5	+ 3·2	+ 6·0	+ 8·2	+ 9·2	**+ 9·5**	+ 9·0	+ 9·1	+ 9·0
May	+ 2·7	+ 3·8	+ 2·2	+ 3·4	+ 5·5	+ 6·9	+ 6·9	+ 3·5	− 2·0	−11·7	−21·5	**−23·2**	−22·9	−16·9	− 9·1	− 1·6	+ 5·1	+10·5	**+13·2**	+12·2	+10·6	+ 8·2	+ 8·0	+ 6·3
June	+ 3·8	+ 3·3	+ 3·6	+ 4·2	+ 6·1	+ 4·8	+ 1·8	− 2·2	− 8·0	−16·2	**−19·4**	−19·3	−16·3	−13·4	− 7·6	− 2·5	+ 3·1	+ 8·1	+10·7	**+14·7**	+12·7	+10·9	+ 9·2	+ 8·0
July	+ 6·1	+ 5·9	+ 6·6	+ 6·0	+ 7·2	+ 6·0	+ 4·1	− 0·4	− 9·1	−18·2	−21·8	**−23·5**	−21·2	−13·6	− 2·4	+ 1·9	+ 2·5	+ 5·5	+ 6·1	+ 9·0	**+12·0**	+11·7	+ 9·2	+ 9·3
Aug.	+ 5·6	+ 5·6	+ 4·9	+ 6·0	+ 5·1	+ 3·1	+ 1·1	− 4·2	−10·2	−18·0	**−19·8**	−19·1	−14·7	− 9·9	− 6·4	+ 0·7	+ 3·7	+ 6·7	+ 7·4	+11·1	**+11·7**	+10·3	+ 9·5	+ 9·5
Sept.	+ 9·4	+ 5·5	+ 4·4	+ 5·0	+ 6·0	+ 3·2	+ 1·5	− 2·5	− 9·7	−16·3	**−21·2**	−18·2	−10·7	− 6·3	− 3·2	− 1·4	+ 0·7	+ 3·2	+ 6·9	+ 9·4	+ 9·4	**+ 9·5**	+ 8·0	+ 8·1
Oct.	+ 5·4	+ 6·3	+ 6·6	+ 4·9	+ 3·8	+ 4·2	+ 4·8	+ 3·1	− 2·7	−12·5	−18·7	**−24·9**	−21·8	−15·7	− 6·7	− 2·5	+ 2·2	+ 6·4	+ 9·7	**+10·8**	+ 9·3	+ 9·4	+ 8·9	+ 9·6
Nov.	+ 0·5	− 2·1	− 1·0	+ 0·1	+ 1·3	+ 3·9	+ 4·9	+ 5·2	+ 3·3	− 4·0	−10·3	**−13·9**	−13·4	−10·0	− 5·5	− 1·8	+ 1·6	+ 5·3	+ 4·4	+ 5·9	+ 6·7	+ 6·6	**+ 7·2**	+ 6·4
Dec.	+ 2·0	+ 0·5	+ 1·6	+ 1·6	+ 2·2	+ 3·0	+ 2·8	+ 1·4	− 0·2	− 4·4	− 6·9	**−11·0**	− 8·0	− 4·9	− 2·9	− 2·0	+ 0·2	+ 2·1	+ 3·3	**+ 5·1**	+ 4·5	+ 3·2	+ 3·4	+ 2·5
Year	+ 3·4	+ 2·8	+ 2·8	+ 3·4	+ 4·3	+ 4·8	+ 4·6	+ 2·6	− 2·2	− 9·8	−15·1	**−17·2**	−14·9	−10·8	− 5·3	− 1·3	+ 1·6	+ 4·5	+ 6·2	+ 7·7	**+ 7·7**	+ 7·2	+ 6·7	+ 6·5
Winter	+ 0·1	− 1·1	− 0·2	+ 0·7	+ 2·0	+ 3·8	+ 4·8	**+ 5·1**	+ 3·3	− 2·1	− 6·6	**− 9·9**	− 8·7	− 6·8	− 4·3	− 1·8	+ 0·3	+ 2·1	+ 2·3	+ 3·6	+ 4·0	+ 2·9	+ 3·0	+ 3·2
Equinox	+ 5·5	+ 4·8	+ 4·3	+ 4·7	+ 4·8	+ 5·3	+ 5·5	+ 3·5	− 2·5	−11·4	−18·1	**−20·4**	−17·3	−12·1	− 5·3	− 1·8	+ 1·0	+ 3·7	+ 6·9	+ 7·7	+ 7·4	**+ 8·4**	+ 8·2	+ 8·1
Summer	+ 4·6	+ 4·7	+ 4·3	+ 4·9	+ 6·0	+ 5·2	+ 3·5	− 0·8	− 7·3	−16·0	−20·6	**−21·3**	−18·8	−13·5	− 6·4	− 0·4	+ 3·6	+ 7·7	+ 9·4	**+11·8**	**+11·8**	+10·3	+ 9·0	+ 8·3

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

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

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

International Disturbed Days.

DECLINATION WEST.

Month and Season, 1935.	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.	−4·06	−2·76	−3·82	−2·28	−2·46	−0·64	−0·48	+0·48	+1·40	+2·00	+2·28	+3·02	+4·16	**+5·04**	+3·32	+3·72	+1·82	+2·30	+1·58	−0·90	−2·08	−3·48	**−5·68**	−2·50
Feb.	**−5·93**	−3·83	−4·71	−4·06	−0·71	−0·01	+0·37	+0·29	+0·42	+0·97	+2·62	+4·42	+5·57	**+5·69**	+5·37	+3·84	+1·99	+0·69	+0·47	−1·11	−2·51	−3·38	−3·23	−3·08
Mar.	−1·96	−2·50	−2·64	−2·02	−1·82	−2·66	−1·84	+0·08	−0·66	+0·16	+2·20	+4·18	+6·32	**+8·26**	+5·92	+4·44	+0·90	−3·56	**−3·60**	−2·16	−2·36	−2·68	−1·98	−0·10
Apr.	−2·67	−1·87	−0·01	−2·33	−3·31	−1·53	−1·49	−2·83	−2·81	−1·73	+1·11	+4·05	+7·17	+8·03	**+8·23**	+5·21	+2·19	+0·59	−1·87	−2·59	**−3·53**	−2·55	−2·43	−3·03
May	−3·60	−3·74	−4·06	−0·38	−1·98	−2·60	−2·86	−2·16	−2·38	−1·82	+1·26	+4·10	+6·16	**+6·80**	+6·04	+4·38	+3·62	+2·56	+0·96	+0·58	−0·68	−1·82	−2·08	**−5·66**
June	−5·16	−5·10	−4·38	−3·22	−4·14	−4·10	**−5·62**	−5·00	−3·64	−2·04	+0·36	+3·08	+6·72	+8·44	**+8·90**	+7·96	+6·92	+5·84	+2·54	+0·14	−1·60	−1·64	−2·46	−2·96
July	−2·13	−2·53	−2·87	−2·45	−2·43	−1·57	−2·99	−3·03	−1·31	−0·69	+0·37	+2·99	+5·39	**+6·19**	+4·75	+3·83	+3·09	+2·17	+0·79	−0·69	−0·71	−0·43	−2·33	**−3·45**
Aug.	−2·12	−2·24	−1·92	−1·52	−2·46	−3·06	−3·38	**−3·70**	−2·28	−0·68	+2·14	+4·64	**+5·86**	+5·68	+4·04	+2·60	+1·46	+0·84	+0·50	+0·08	−0·42	−0·54	−1·78	−1·84
Sept.	+0·05	−3·07	−4·55	−3·13	−0·51	−0·57	−2·31	−1·37	−0·81	+1·51	+3·33	+6·59	+7·97	**+8·51**	+4·75	+3·37	+0·77	+0·55	−2·23	−2·05	−3·13	−3·35	**−5·49**	−4·93
Oct.	−0·94	−0·80	−0·90	−0·58	−1·00	−1·06	−0·90	−0·14	−1·94	−1·46	+1·12	+3·98	+6·44	+7·72	**+8·58**	+5·80	+3·56	−1·78	−3·10	−2·20	−5·10	**−5·70**	−5·60	−3·90
Nov.	−3·58	−0·38	+0·50	+0·38	+1·40	+0·94	+0·74	+0·32	−0·68	−1·00	+0·10	+2·66	+4·10	**+4·26**	+4·00	+2·98	+0·06	−0·08	−1·08	−2·70	−2·04	−2·62	−3·60	**−4·60**
Dec.	−3·30	−3·48	−3·42	−3·04	−1·64	−1·12	+0·76	+0·78	+0·32	+0·90	+2·06	+3·82	+4·02	**+4·08**	+2·86	+3·22	+2·82	+2·54	+1·10	+0·58	−1·30	−3·26	**−5·06**	−4·16
Year	−2·95	−2·69	−2·73	−2·05	−1·76	−1·50	−1·67	−1·36	−1·20	−0·32	+1·58	+3·96	+5·82	**+6·56**	+5·56	+4·28	+2·43	+1·06	−0·33	−1·09	−2·12	−2·62	**−3·48**	−3·35
Winter	−4·22	−2·61	−2·86	−2·25	−0·85	−0·21	+0·35	+0·47	+0·37	+0·72	+1·77	+3·48	+4·46	**+4·77**	+3·89	+3·44	+1·67	+1·36	+0·52	−1·03	−1·98	−3·19	**−4·39**	−3·59
Equinox	−1·38	−2·06	−2·03	−2·02	−1·66	−1·46	−1·64	−1·07	−1·56	−0·38	+1·94	+4·70	+6·98	**+8·13**	+6·87	+4·71	+1·86	−1·05	−2·70	−2·25	−3·53	−3·57	**−3·88**	−2·99
Summer	−3·25	−3·40	−3·31	−1·89	−2·75	−2·83	**−3·71**	−3·47	−2·40	−1·31	+1·03	+3·70	+6·03	**+6·78**	+5·93	+4·69	+3·77	+2·85	+1·20	+0·03	−0·85	−1·11	−2·16	−3·48

INCLINATION.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
Jan.	+0·59	+0·31	−0·26	−0·15	−0·61	**−0·90**	−0·62	−0·53	−0·47	−0·36	+0·07	+0·50	+0·64	+0·44	0·00	−0·11	+0·03	−0·36	−0·24	+0·24	**+0·65**	+0·33	+0·21	+0·63
Feb.	−0·70	−1·12	−1·77	−1·60	**−2·35**	−1·47	−1·82	−1·22	−0·85	−0·24	+0·20	+0·96	+1·03	+0·82	+0·32	+1·03	+1·65	+1·78	**+1·93**	+1·81	+0·68	+0·63	+0·38	−0·08
Mar.	**−1·12**	−0·69	−0·45	−0·78	−0·37	−0·61	−0·38	−0·51	−0·20	+0·65	+0·19	+0·65	+0·33	+0·29	+0·67	+1·23	**+1·57**	+1·09	+0·99	+0·07	−0·57	−0·97	−0·37	−0·64
Apr.	−0·78	−1·08	−1·21	**−1·55**	−1·25	−1·03	−0·58	+0·05	+1·10	+1·45	**+2·52**	+2·30	+1·48	+1·18	+1·08	+1·05	+0·12	−0·29	−0·20	−0·57	−0·18	−0·85	−1·39	−1·36
May	−0·65	**−0·90**	−0·66	−0·90	−0·70	−0·08	+0·64	+0·92	**+0·98**	+0·75	+0·49	+0·40	+0·07	+0·11	+0·49	+0·37	−0·23	+0·06	+0·17	−0·49	−0·41	−0·36	+0·01	−0·21
June	**−1·17**	−1·10	−0·86	−1·02	−0·39	−0·55	−0·14	+0·42	+0·98	**+1·49**	+1·15	+0·86	+0·08	+0·93	−0·02	+0·14	−0·51	−0·67	−0·87	−0·48	+0·23	+0·83	+0·30	+0·42
July	−1·16	**−1·63**	−1·22	−1·44	−1·26	−0·78	−0·55	+0·55	+1·00	+1·29	+1·55	**+1·76**	+1·51	+1·58	+1·04	+0·68	+0·66	+0·33	+0·33	−0·14	−0·75	−0·80	−1·45	−1·08
Aug.	−0·64	−0·48	−0·49	−0·48	−0·45	−0·35	−0·18	+0·57	+1·42	**+1·59**	+1·29	+0·91	+0·43	+0·36	+0·37	+0·27	+0·18	−0·36	−0·64	−0·38	**−0·87**	−0·64	−0·64	−0·86
Sept.	−1·90	−1·90	−1·42	**−2·19**	−2·06	−1·78	−1·13	+0·27	+1·20	**+1·49**	+1·29	+1·03	+0·65	+0·60	+1·37	+1·03	+0·47	+0·64	+1·16	+1·28	+0·53	−0·59	−0·47	+0·50
Oct.	−1·64	−1·39	−1·28	−1·43	−1·69	**−1·83**	−1·74	−1·47	−0·89	−0·67	+0·04	+0·67	+1·29	+1·20	+1·63	+2·21	**+2·28**	+1·38	+0·86	+1·41	+1·07	+0·77	−0·71	−0·10
Nov.	−0·57	−0·62	−0·85	−0·75	−0·85	**−1·30**	−1·07	−0·89	−0·72	−0·25	+0·31	+0·48	+0·68	+0·46	+0·34	+1·02	+1·83	**+1·86**	+0·96	+1·35	+0·17	+0·26	−0·92	−0·93
Dec.	+0·56	−0·09	−0·06	−0·34	−0·40	−0·85	**−1·14**	−1·04	−0·98	−0·69	+0·38	+0·45	−0·13	−0·03	+0·29	−0·21	+0·69	+0·19	**+0·91**	+0·65	+0·55	+0·49	+0·20	+0·32
Year	−0·77	−0·89	−0·88	**−1·05**	−1·03	−0·96	−0·73	−0·24	+0·21	+0·54	+0·79	**+0·91**	+0·67	+0·66	+0·63	+0·73	+0·73	+0·47	+0·45	+0·40	+0·09	−0·08	−0·40	−0·28
Winter	−0·03	−0·38	−0·74	−0·71	−1·05	−1·13	**−1·16**	−0·92	−0·76	−0·39	+0·24	+0·60	+0·56	+0·42	+0·24	+0·43	**+1·05**	+0·87	+0·89	+1·01	+0·51	+0·43	−0·03	−0·02
Equinox	−1·36	−1·27	−1·09	**−1·49**	−1·34	−1·31	−0·96	−0·42	+0·30	+0·73	+1·01	+1·16	+0·94	+0·82	+1·19	**+1·38**	+1·11	+0·71	+0·70	+0·55	+0·21	−0·41	−0·74	−0·40
Summer	−0·91	**−1·03**	−0·81	−0·96	−0·70	−0·44	−0·06	+0·62	+1·10	**+1·28**	+1·12	+0·98	+0·52	+0·75	+0·47	+0·37	+0·03	−0·16	−0·25	−0·37	−0·45	−0·24	−0·45	−0·43

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.	− 8·6	− 4·8	+ 0·2	0·0	+ 7·2	**+11·0**	+ 6·6	+ 5·4	+ 4·8	+ 3·4	− 3·2	− 9·6	**−10·2**	− 5·0	+ 2·6	+ 4·4	+ 2·8	+ 7·8	+ 5·6	− 0·8	− 6·0	− 3·0	− 2·2	− 9·4
Feb.	+ 6·0	+11·5	+18·8	+15·0	**+26·0**	+13·8	+20·5	+13·3	+ 9·0	+ 0·3	− 6·0	−17·0	−16·0	−10·2	− 1·2	−10·0	−17·0	−17·2	**−18·2**	−16·5	− 2·0	− 3·7	− 2·0	+ 2·8
Mar.	**+14·7**	+ 6·9	+ 3·3	+ 7·9	+ 1·7	+ 5·9	+ 2·7	+ 4·1	− 1·5	−13·9	− 7·1	**−15·9**	− 9·5	− 5·5	− 4·5	−10·5	−12·3	− 4·7	− 5·9	+ 4·3	+11·1	+14·5	+ 5·1	+ 8·7
Apr.	+ 9·1	+11·9	+12·7	**+16·9**	+12·7	+11·1	+ 5·1	− 2·9	−18·5	−24·9	**−43·8**	−39·9	−26·7	−18·9	−12·5	− 7·1	+ 8·3	+15·9	+13·7	+16·7	+ 9·3	+15·5	+ 9·1	+16·7
May	+ 7·7	+11·3	+ 7·3	+10·7	+ 6·3	− 0·5	−10·3	−14·1	**−16·1**	−14·9	−14·1	−13·7	− 6·9	− 4·5	− 5·7	− 1·3	+ 9·3	+ 5·9	+ 4·1	**+13·1**	+11·1	+ 9·5	+ 2·7	+ 3·7
June	+12·8	+11·4	+ 7·0	+ 9·4	+ 2·6	+ 6·0	0·0	− 8·6	−18·6	**−27·6**	−24·0	−20·2	− 7·6	−18·6	+ 1·0	+ 4·6	+19·0	+23·0	**+26·4**	+18·2	+13·8	− 8·8	− 4·6	− 7·2
July	+16·7	+20·9	+15·5	+19·7	+16·7	+ 9·1	+ 6·9	− 9·3	−17·9	−22·3	−27·5	**−33·3**	−28·1	−25·9	−12·9	− 5·7	− 3·7	+ 1·9	+ 2·5	+ 8·5	+16·5	+14·9	**+22·9**	+14·1
Aug.	+ 7·6	+ 5·8	+ 6·0	+ 6·2	+ 6·2	+ 5·4	+ 2·8	− 8·4	−22·0	**−25·4**	−23·0	−18·6	−11·2	− 8·0	− 5·4	− 1·8	+ 1·4	+10·0	+13·8	+ 9·4	**+15·6**	+11·4	+10·6	+12·4
Sept.	+23·9	+20·9	+15·5	**+25·7**	+22·9	+18·3	+11·5	− 7·1	−22·1	**−26·7**	−24·1	−20·1	−12·3	− 8·3	−14·9	− 5·9	+ 4·5	+ 1·9	− 6·1	− 9·9	− 0·3	+12·5	+ 7·3	− 8·3
Oct.	+20·0	+16·2	+14·8	+17·0	+20·6	**+22·8**	+21·4	+17·0	+ 8·2	+ 2·6	− 9·8	−17·8	−21·6	−16·6	−17·8	−21·0	**−23·0**	− 9·8	− 3·6	−12·8	−10·0	− 7·6	+11·4	− 0·2
Nov.	+ 5·6	+ 6·6	+ 9·6	+ 8·6	+10·4	**+16·8**	+13·2	+10·8	+ 8·6	+ 0·6	− 8·8	−10·8	−13·4	− 7·8	− 3·4	−10·6	**−19·4**	−19·2	− 7·4	−14·2	+ 1·2	− 1·6	+13·8	+11·2
Dec.	− **9·9**	+ 0·5	+ 0·7	+ 3·5	+ 3·7	+ 9·9	**+13·5**	+10·5	+ 9·7	+ 5·9	− 8·9	− 9·7	+ 0·5	+ 0·3	− 3·1	+ 5·1	− 7·9	+ 0·7	− 8·5	− 4·7	− 3·5	− 3·3	− 0·3	− 4·3
Year	+ 8·8	+ 9·9	+ 9·3	**+11·7**	+11·4	+10·8	+ 7·8	+ 0·9	− 6·4	−11·9	−16·7	**−18·9**	−13·6	−10·8	− 6·5	− 5·0	− 3·2	+ 1·4	+ 1·4	+ 0·9	+ 4·7	+ 4·2	+ 6·2	+ 3·4
Winter	− 1·7	+ 3·5	+ 7·3	+ 6·8	+11·8	+12·9	**+13·5**	+10·0	+ 8·0	+ 2·6	− 6·7	**−11·8**	− 9·8	− 5·7	− 1·3	− 2·8	−10·4	− 7·0	− 7·1	− 9·1	− 2·6	− 2·9	+ 2·3	+ 0·1
Equinox	**+16·9**	+14·0	+11·6	+16·9	+14·5	+14·5	+10·2	+ 2·8	− 8·5	−15·7	−21·1	**−23·4**	−17·5	−12·3	−12·4	−11·1	− 5·6	+ 0·8	− 0·5	− 0·4	+ 2·5	+ 8·7	+ 8·2	+ 4·2
Summer	+11·2	+12·4	+ 9·0	+11·5	+ 8·0	+ 5·0	− 0·2	−10·1	−18·7	**−22·6**	−22·2	−21·5	−13·5	−14·3	− 5·8	− 1·1	+ 6·5	+10·2	+11·7	+12·3	**+14·8**	+ 6·8	+ 7·9	+ 5·8

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

International Disturbed Days.

NORTH COMPONENT.

Month and Season, 1935.	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.	− 4·1	− 1·8	+ 4·3	+ 2·4	+ 9·7	**+11·5**	+ 7·0	+ 4·8	+ 3·2	+ 1·2	− 5·6	−12·6	**−14·5**	− 10·3	− 1·0	+ 0·3	+ 0·8	+ 5·2	+ 3·8	+ 0·2	− 3·7	+ 0·8	+ 3·9	− 6·5
Feb.	+12·2	+15·4	+23·5	+19·8	**+26·2**	+13·5	+19·7	+12·7	+ 8·4	− 0·8	− 8·7	−21·4	**−21·6**	− 16·1	− 6·9	−13·9	−18·8	−17·6	−18·3	−15·0	+ 0·7	− 0·0	+ 1·5	+ 6·0
Mar.	+16·5	+ 9·4	+ 6·1	+ 9·9	+ 3·6	+ 8·6	+ 4·6	+ 3·9	− 0·8	−13·8	−10·3	**−20·1**	−16·1	− 14·2	−10·7	−15·0	−13·0	− 0·8	− 1·9	+ 6·5	+13·4	**+17·1**	+ 7·1	+ 8·6
Apr.	+11·8	+13·7	+12·5	+19·1	+16·0	+12·5	+ 6·6	+ 0·2	−15·1	−22·5	**−43·6**	−43·4	−33·9	− 27·1	−21·1	−12·6	+ 5·8	+15·0	+15·4	+19·2	+12·9	+17·9	**+21·3**	+19·6
May	+11·4	**+15·1**	+11·5	+10·9	+ 8·3	+ 2·3	− 7·0	−11·5	−13·2	−12·7	−15·2	**−17·8**	−13·4	− 11·7	−12·1	− 6·0	+ 5·2	+ 3·0	+ 3·0	+12·2	+11·6	+11·3	+ 4·9	+ 9·7
June	+18·1	−16·7	+11·6	+12·7	+ 7·0	+10·3	+ 6·0	− 3·1	−14·3	−24·9	−23·9	−23·1	−14·7	**−27·3**	− 8·6	− 4·1	+11·2	+16·3	**+23·1**	+17·7	+ 5·4	− 6·9	− 1·9	− 3·9
July	+18·7	+23·2	+18·3	+21·9	+19·0	+10·6	+10·0	− 5·9	−16·1	−21·1	−27·4	**−35·9**	−33·3	− 32·0	−17·8	− 9·6	− 7·0	− 0·5	+ 1·6	+ 9·1	+16·9	+15·1	**+24·9**	+17·5
Aug.	+ 9·7	+ 8·1	+ 7·9	+ 7·7	+ 8·7	+ 8·6	+ 6·4	− 4·3	−19·1	−24·2	**−24·8**	−23·2	−17·3	− 14·0	− 9·6	− 4·6	− 0·2	+ 8·9	+13·0	+ 9·1	**+15·7**	+11·8	+12·3	+14·1
Sept.	+23·4	+23·8	+20·1	**+28·6**	+23·0	+18·5	+13·8	− 5·5	−20·8	**−27·8**	−27·2	−26·8	−20·6	− 17·3	−19·7	− 9·4	+ 3·6	+ 1·3	− 3·6	− 7·5	+ 3·1	+15·9	+13·1	− 2·8
Oct.	+20·6	+16·7	+15·5	+17·3	+21·3	**+23·5**	+21·9	+16·8	+10·1	+ 4·1	−10·8	−21·7	**−28·1**	− 24·6	−26·7	−26·8	−26·4	− 7·7	− 0·2	−10·2	− 4·3	− 1·3	+17·2	+ 4·0
Nov.	+ 9·4	+ 6·9	+ 8·9	+ 8·0	+ 8·7	+15·5	+12·2	+10·2	+ 9·2	+ 1·7	− 8·7	−13·5	−17·6	− 12·2	− 7·7	−13·6	**−19·1**	−18·7	− 6·1	− 11·0	+ 3·4	+ 1·3	**+17·4**	+15·9
Dec.	− 6·1	+ 4·2	+ 4·4	+ 6·7	+ 5·4	+10·9	**+12·4**	+ 9·5	+ 9·2	+ 4·8	−10·9	**−13·6**	− 3·8	− 4·1	− 6·1	+ 1·5	−10·8	− 2·1	− 9·5	− 5·2	− 2·0	+ 0·3	+ 5·2	+ 0·3
Year	+11·8	+12·6	+12·1	**+13·8**	+13·1	+12·2	+ 9·5	+ 2·3	− 4·9	−11·3	−18·1	**−22·8**	−19·6	− 17·6	−12·3	− 9·5	− 5·7	+ 0·2	+ 1·7	+ 2·1	+ 6·1	+ 6·9	+10·6	+ 6·9
Winter	+ 2·9	+ 6·2	+10·3	+ 9·2	+12·5	**+12·9**	+12·8	+ 9·3	+ 7·8	+ 1·7	− 8·5	**−15·3**	−14·4	− 10·7	− 5·4	− 6·4	−12·0	− 8·3	− 7·5	− 7·8	− 0·4	+ 0·6	+ 7·0	+ 3·9
Equinox	+18·1	+15·9	+13·6	**+18·7**	+16·0	+15·8	+11·7	+ 3·9	− 6·7	−15·0	−23·0	**−28·0**	−24·7	− 20·8	−19·6	−16·0	− 7·5	+ 2·0	+ 2·4	+ 2·0	+ 6·3	+12·4	+14·7	+ 7·4
Summer	+14·5	**+15·8**	+12·3	+13·3	+10·8	+ 8·0	+ 3·9	− 6·2	−15·7	−20·7	−22·8	**−25·0**	−19·7	− 21·3	−12·0	− 6·1	+ 2·3	+ 6·9	+10·2	+12·0	+12·4	+ 7·8	+10·1	+ 9·4

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.	−23·2	−15·5	−20·1	−12·0	−11·6	− 1·2	− 1·2	+ 3·6	+ 8·4	+11·2	+11·4	+14·0	+19·9	**+25·6**	+18·1	+20·5	+10·2	+13·7	+ 9·5	− 4·9	−12·2	−19·0	**−30·4**	−15·1
Feb.	**−30·1**	−17·9	−21·1	−18·3	+ 1·4	+ 2·7	+ 6·0	+ 4·2	+ 4·0	+ 5·2	+12·7	+20·0	+26·2	+28·0	**+28·1**	+18·3	+ 7·1	+ 0·2	− 1·1	− 9·1	−13·7	−18·6	−17·5	−15·7
Mar.	− 7·4	−11·8	−13·3	− 9·1	− 9·3	−12·9	− 9·2	+ 1·2	− 3·8	− 1·9	+10·0	+18·9	+31·5	**+42·5**	+30·4	+21·4	+ 2·3	−19·7	**−20·2**	−10·6	−10·3	−11·3	− 9·5	+ 1·2
Apr.	−12·3	− 7·5	+ 2·5	− 9·0	−15·0	− 5·9	− 6·9	−15·5	**−18·5**	−14·1	− 2·8	+13·5	+32·6	+38·7	**+41·0**	+26·1	+13·2	+ 6·3	− 7·2	−10·4	−16·8	−10·4	− 9·1	−12·7
May	−17·5	−17·5	−20·0	+ 0·1	− 9·2	−13·8	−17·2	−14·2	−15·8	−12·6	+ 3·9	+19·0	+31·2	**+35·1**	+30·8	+22·9	+21·0	+14·7	+ 5·9	+ 5·7	− 1·4	− 7·7	−10·5	**−29·2**
June	−24·7	−24·7	−21·8	−15·2	−21·4	−20·5	**−29·7**	−28·2	−23·0	−16·3	− 2·9	+12·3	+34·0	+40·9	**+47·3**	+43·0	+40·4	+35·5	+18·7	+ 4·4	− 7·7	−10·4	−13·9	−17·1
July	− 7·9	− 9·2	−12·1	− 9·0	− 9·5	− 6·5	−14·4	**−17·9**	−10·5	− 8·1	− 3·5	+ 9·2	+22·9	**+27·6**	+22·5	+19·1	+15·6	+11·9	+ 4·7	+ 2·0	− 0·5	+ 0·7	+ 7·8	−15·4
Aug.	− 9·7	−10·7	− 9·0	− 6·8	−11·8	−15·1	−17·3	**−21·2**	−16·4	− 8·7	+ 6·7	+20·8	**+28·8**	+28·4	+20·3	+13·4	+ 7·4	+ 6·4	+ 5·4	+ 2·3	+ 0·9	− 0·6	− 7·3	− 7·3
Sept.	+ 5·0	−12·1	−21·0	−11·4	+ 1·9	+ 0·6	− 9·9	− 8·7	− 8·7	+ 2·7	+12·8	+30·8	+39·7	**+43·4**	+22·1	+16·7	+ 5·0	+ 3·3	−13·0	−12·8	−16·6	−15·2	−27·6	**−27·7**
Oct.	− 1·0	− 1·0	− 1·8	+ 0·3	− 1·2	− 1·1	− 0·5	+ 2·6	− 8·6	− 7·2	+ 4·0	+17·5	+29·8	+37·5	**+41·8**	+26·5	+14·2	−11·4	−17·1	−14·2	−29·0	**−31·6**	−27·3	−20·7
Nov.	−17·8	− 0·7	+ 4·6	+ 3·7	+ 9·5	+ 8·3	+ 6·5	+ 3·8	− 1·9	− 5·2	− 1·2	+11·9	+19·0	**+21·0**	+20·5	+13·6	− 3·5	− 4·2	− 7·2	−17·1	−10·5	−14·2	−16·3	**−22·1**
Dec.	−19·4	−18·3	−17·9	−15·4	− 7·9	− 4·0	+ 6·7	+ 6·2	+ 3·6	+ 5·9	+ 9·1	+18·3	+21·4	**+21·6**	+14·5	+18·0	+13·3	+13·6	+ 4·1	+ 2·1	− 7·6	−17·9	**−26·8**	−22·9
Year	−13·8	−12·2	−12·6	− 8·5	− 7·0	− 5·8	− 7·3	− 7·0	− 7·6	− 4·1	+ 5·0	+17·2	+28·1	**+32·5**	+28·1	+21·6	+12·2	+ 5·9	− 1·5	− 5·6	−10·5	−13·0	−17·0	**−17·1**
Winter	−22·6	−13·1	−13·6	−10·5	− 1·9	+ 1·5	+ 4·5	+ 4·5	+ 3·5	+ 4·3	+ 8·0	+16·1	+21·6	**+24·1**	+20·3	+17·6	+ 6·8	+ 5·8	+ 1·3	− 7·3	−11·0	−17·4	**−22·8**	−19·0
Equinox	− 3·9	− 8·1	− 8·4	− 7·3	− 5·9	− 4·8	− 6·6	− 5·1	− 9·9	− 5·1	+ 6·0	+20·2	+33·4	**+40·5**	+33·8	+22·7	+ 8·7	− 5·4	−14·4	−12·0	−18·2	−17·1	**−18·4**	−15·0
Summer	−15·0	−15·5	−15·7	− 7·7	−13·0	−14·0	−19·7	**−20·4**	−16·4	−11·4	+ 1·1	+15·3	+29·2	**+33·0**	+30·2	+24·6	+21·1	+17·1	+ 8·7	+ 2·6	− 2·2	− 4·5	− 9·9	−17·3

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

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 Greenwich Mean Midnight, and converted into arc at the rate of 15° to each hour.

Month and Season.	North Intensity.								West Intensity.								Vertical Intensity.							
	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
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
"ALL" DAYS.																								
Jan.	+ 3·1	+ 2·1	− 3·9	− 0·9	+ 1·4	− 0·9	+ 0·1	− 0·2	− 9·3	− 0·8	− 0·1	+ 3·3	− 1·2	+ 0·0	+ 0·6	+ 1·0	+ 0·1	− 3·6	− 0·9	+ 0·5	+ 0·6	− 0·8	− 0·4	+ 0·0
Feb.	+ 6·7	+ 4·5	− 3·6	− 1·0	+ 1·9	− 1·6	− 0·9	+ 1·5	−10·7	− 3·1	+ 1·0	+ 6·0	− 1·3	− 2·7	+ 0·9	+ 1·4	+ 1·3	− 5·9	− 2·5	− 0·5	+ 0·9	− 0·2	− 0·3	− 0·0
Mar.	+ 9·3	+ 2·5	− 4·0	− 2·0	+ 2·0	− 1·9	− 0·4	+ 1·0	−11·7	− 7·5	+ 4·5	+ 8·1	− 3·1	− 4·8	+ 0·9	+ 2·0	+ 3·1	− 6·2	− 5·4	+ 0·9	+ 2·6	− 0·1	− 0·8	− 0·3
Apr.	+14·9	− 2·0	− 8·7	+ 0·1	+ 3·3	− 1·9	− 0·2	+ 0·5	− 7·1	−12·3	+ 4·9	+11·5	− 3·1	− 4·7	+ 1·4	+ 1·7	+ 4·7	− 4·4	− 6·3	− 0·2	+ 2·6	+ 0·3	− 1·0	+ 0·2
May	+12·0	− 2·3	− 6·3	− 0·6	+ 1·3	+ 0·2	+ 0·2	+ 0·2	− 7·9	−13·9	+ 5·2	+ 8·5	− 4·4	− 2·9	+ 0·5	+ 0·6	+ 6·6	− 4·1	− 6·7	+ 0·5	+ 2·5	− 0·5	− 0·8	+ 0·0
June	+13·9	− 4·4	− 7·9	+ 1·8	+ 0·7	− 0·4	+ 0·9	+ 1·2	− 9·1	−19·4	+ 7·9	+11·2	− 3·6	− 2·8	+ 0·4	− 0·5	+ 5·9	− 5·5	− 8·3	− 0·4	+ 1·9	+ 0·5	− 0·1	− 0·3
July	+15·1	− 3·2	− 6·0	+ 0·9	+ 0·9	− 1·9	− 0·6	+ 0·3	− 8·3	−16·3	+ 7·3	+ 9·7	− 3·4	− 3·7	− 0·0	+ 0·8	+ 5·1	− 3·9	− 6·8	+ 0·9	+ 2·4	− 0·2	− 0·5	− 0·1
Aug.	+13·9	− 3·4	− 5·1	+ 1·4	− 0·2	− 1·5	+ 1·3	+ 0·7	− 8·3	−13·4	+ 9·4	+ 6·7	− 4·9	− 2·6	+ 0·9	+ 0·9	+ 4·6	− 3·3	− 5·8	+ 1·2	+ 2·4	− 0·9	− 0·7	− 0·1
Sept.	+15·4	− 0·4	− 5·6	+ 2·4	+ 0·3	− 2·6	+ 0·3	+ 0·3	−14·0	− 8·3	+ 6·7	+ 8·4	− 4·9	− 2·5	+ 2·2	+ 1·3	+ 3·2	− 7·6	− 6·1	+ 0·2	+ 2·5	− 0·5	− 1·2	+ 0·2
Oct.	+15·6	+ 3·6	− 6·7	− 1·5	+ 2·6	− 1·2	− 0·3	+ 0·7	− 9·7	− 5·4	+ 3·2	+10·2	− 0·3	− 4·0	+ 2·1	+ 2·3	+ 1·9	− 6·8	− 4·8	+ 1·0	+ 2·5	− 0·5	− 1·2	+ 0·4
Nov.	+ 8·9	+ 3·1	− 4·6	− 2·7	+ 2·9	− 2·0	− 0·2	+ 0·5	− 7·5	− 2·1	+ 1·3	+ 6·8	− 2·7	− 1·8	+ 0·8	+ 1·8	+ 1·3	− 4·8	− 2·5	+ 0·6	+ 0·8	− 0·4	− 0·5	− 0·0
Dec.	+ 6·3	+ 2·6	− 4·2	− 1·2	+ 1·4	− 2·0	− 0·6	+ 0·5	− 9·7	− 1·8	− 0·3	+ 3·9	− 1·8	− 0·6	+ 0·8	+ 1·8	+ 0·8	− 4·7	− 1·1	+ 0·2	+ 0·2	− 0·5	− 0·1	+ 0·1
Year	+11·3	+ 0·2	− 5·6	− 0·2	+ 1·5	− 1·5	− 0·0	+ 0·6	− 9·4	− 8·7	+ 4·2	+ 7·9	− 3·1	− 2·9	+ 0·9	+ 1·3	+ 3·2	− 5·1	− 4·8	+ 0·4	+ 1·8	− 0·3	− 0·6	0·0
W.	+ 6·3	+ 3·1	− 4·1	− 1·5	+ 1·9	− 1·7	− 0·4	+ 0·6	− 9·3	− 2·0	+ 0·5	+ 5·0	− 1·7	− 1·3	+ 0·8	+ 1·5	+ 0·9	− 4·8	− 1·8	+ 0·2	+ 0·6	− 0·5	− 0·3	+ 0·0
Eq.	+13·8	+ 0·9	− 6·3	− 0·1	+ 2·1	− 1·9	− 0·1	+ 0·6	−10·7	− 8·4	+ 4·9	+ 9·6	− 3·4	− 4·3	+ 1·7	+ 1·8	+ 3·2	− 6·3	− 5·6	+ 0·5	+ 2·6	− 0·2	− 1·0	+ 0·1
S.	+13·7	− 3·3	− 6·4	+ 0·9	+ 0·7	− 0·9	+ 0·5	+ 0·6	− 8·4	−15·8	+ 7·5	+ 9·0	− 4·1	− 3·0	+ 0·4	+ 0·5	+ 5·6	− 4·2	− 6·9	+ 0·5	+ 2·3	− 0·3	− 0·5	− 0·1
QUIET DAYS.																								
Year	+ 8·9	− 0·6	− 5·6	− 0·1	+ 1·8	− 1·2	− 0·3	+ 0·8	− 5·1	− 9·4	+ 4·0	+ 7·3	− 3·1	− 3·1	+ 1·1	+ 1·4	+ 4·2	− 1·2	− 4·1	+ 0·6	+ 2·0	− 0·2	− 0·7	+ 0·0
W.	+ 3·8	+ 1·2	− 3·8	− 1·5	+ 1·6	− 0·6	− 0·3	+ 0·5	− 4·7	− 2·9	+ 0·6	+ 4·0	− 2·0	− 1·1	+ 0·9	+ 1·1	+ 1·3	− 1·7	− 1·1	+ 0·8	+ 0·6	− 0·7	− 0·2	+ 0·3
Eq.	+10·6	− 0·6	− 5·9	+ 0·1	+ 2·4	− 1·6	− 0·5	+ 1·2	− 5·0	−10·5	+ 4·0	+ 7·8	− 3·5	− 4·4	+ 1·8	+ 1·7	+ 5·1	− 0·7	− 4·8	+ 0·1	+ 2·7	− 0·2	− 0·9	+ 0·2
S.	+12·3	− 2·4	− 7·1	+ 0·9	+ 1·3	− 1·3	− 0·2	+ 0·8	− 5·5	−15·0	+ 7·7	+ 9·9	− 3·7	− 4·0	+ 0·7	+ 1·4	+ 6·3	− 1·3	− 6·6	+ 0·9	+ 2·6	+ 0·2	− 0·8	− 0·3
DISTURBED DAYS.																								
Year	+14·8	+ 2·3	− 5·5	+ 0·1	+ 1·0	− 1·8	− 0·1	− 0·3	−17·0	− 8·7	+ 2·8	+ 7·8	− 2·3	− 3·8	+ 0·9	+ 1·1	+ 1·5	−12·9	− 6·7	− 0·0	+ 1·9	+ 0·2	− 0·8	+ 0·1
W.	+ 7·1	+ 8·2	− 3·2	− 0·9	+ 2·2	− 2·7	− 2·2	− 0·1	−18·3	− 1·8	− 1·9	+ 4·8	− 1·4	− 2·2	+ 1·2	+ 1·7	+ 1·4	−11·6	− 2·9	− 0·9	+ 0·4	− 0·3	− 0·4	− 0·1
Eq.	+19·3	+ 1·9	− 6·6	− 1·2	− 1·0	− 2·6	+ 0·8	− 0·8	−17·9	− 6·0	+ 7·7	+10·7	− 1·3	− 6·2	+ 0·9	+ 2·2	− 0·1	−16·6	− 8·3	+ 1·7	+ 3·1	+ 0·5	− 1·1	+ 0·4
S.	+17·9	− 3·3	− 6·5	+ 2·2	− 0·1	− 0·1	+ 1·2	+ 0·1	−14·8	−18·4	+ 2·7	+ 8·0	− 4·2	− 3·1	+ 0·5	− 0·6	+ 3·5	−10·5	− 8·5	− 0·8	+ 2·3	+ 0·1	− 0·7	− 0·1

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

Values of c_n, α_n in the series $\Sigma\, c_n \sin(nT + \alpha_n)$, 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 Intensity.								West Intensity.								Vertical Intensity.							
	c_1	a_1	c_2	a_2	c_3	a_3	c_4	a_4	c_1	a_1	c_2	a_2	c_3	a_3	c_4	a_4	c_1	a_1	c_2	a_2	c_3	a_3	c_4	a_4
	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
"ALL" DAYS.																								
Jan.	3·7	55·8	4·0	257·9	1·7	124·1	0·2	145·2	9·3	265·6	3·3	358·7	1·2	273·2	1·2	34·8	3·6	178·1	1·0	299·7	1·0	145·5	0·4	274·2
Feb.	8·1	56·6	3·7	255·2	2·5	131·0	1·7	329·1	11·1	254·4	6·1	10·1	3·0	207·0	1·6	34·1	6·0	168·0	2·5	259·5	0·9	104·8	0·3	267·3
Mar.	9·7	75·4	4·5	244·6	2·8	134·6	1·0	341·5	13·9	237·8	9·3	30·1	5·7	213·6	2·2	26·5	6·9	154·1	5·5	279·7	2·6	93·8	0·9	250·1
Apr.	15·0	97·9	8·7	271·2	3·8	121·2	0·5	334·9	14·2	210·3	12·5	23·9	5·6	214·2	2·2	40·9	6·4	133·6	6·3	269·2	2·6	84·7	1·0	284·4
May	12·2	101·3	6·4	265·4	1·3	84·8	0·2	41·3	16·0	210·0	9·9	32·3	5·3	238·3	0·7	42·0	7·7	122·3	6·7	274·8	2·6	101·3	0·8	272·9
June	14·6	108·1	8·1	283·8	0·7	119·5	1·5	39·7	21·5	205·6	13·7	35·9	4·5	233·7	0·6	143·3	8·1	133·2	8·3	268·0	2·0	76·3	0·3	195·5
July	15·4	102·2	6·1	279·6	2·1	155·7	0·6	301·7	18·3	207·4	12·1	37·8	5·1	223·7	0·8	359·4	6·4	127·6	6·9	278·4	2·4	96·2	0·5	259·8
Aug.	14·3	104·1	5·3	286·5	1·5	189·0	1·5	62·7	15·8	212·4	11·5	55·3	5·6	243·6	1·3	45·5	5·6	126·2	6·0	282·2	2·6	112·1	0·7	267·2
Sept.	15·4	92·0	6·1	294·1	2·6	174·7	0·4	41·7	16·3	239·8	10·8	39·6	5·5	243·7	2·5	60·7	8·3	157·6	6·1	272·8	2·6	102·6	1·2	280·1
Oct.	16·0	77·5	6·9	258·6	2·9	115·5	0·7	341·8	11·1	241·5	10·7	18·4	4·0	185·0	3·1	43·7	7·1	164·8	4·9	282·7	2·5	101·6	1·2	288·5
Nov.	9·4	71·0	5·3	239·7	3·6	126·2	0·6	343·4	7·8	254·9	7·0	11·6	3·2	236·9	2·0	25·3	4·9	165·2	2·6	284·6	0·9	120·4	0·5	267·2
Dec.	6·8	68·2	4·4	254·8	2·4	146·2	0·8	307·6	9·8	259·6	3·9	355·8	1·9	253·0	2·0	25·3	4·8	170·4	1·1	282·4	0·5	158·0	0·2	314·4
Year	11·3	89·3	5·6	268·5	2·1	135·3	0·6	357·7	12·8	227·8	8·9	29·1	4·2	228·3	1·6	38·1	6·0	147·7	4·8	275·7	1·9	100·8	0·6	271·5
W.	7·0	64·1	4·3	250·9	2·5	132·3	0·7	326·7	9·5	258·6	5·0	6·0	2·1	235·1	1·7	28·5	4·8	169·8	1·8	278·0	0·8	131·5	0·3	274·9
Eq.	13·8	86·5	6·3	269·9	2·8	133·9	0·6	348·4	13·6	232·2	10·7	27·7	5·4	219·8	2·5	43·7	7·0	153·3	5·6	275·5	2·6	95·7	1·0	278·1
S.	14·1	103·9	6·5	278·8	1·1	144·4	0·8	38·5	17·9	208·4	11·7	40·4	5·1	235·4	0·6	43·8	7·0	127·5	6·9	275·2	2·3	98·1	0·5	258·7
QUIET DAYS.																								
Year	8·9	94·4	5·6	269·5	2·1	124·7	0·9	349·9	10·7	208·6	8·3	29·9	4·4	225·5	1·8	40·7	4·4	106·1	4·2	278·6	2·0	97·0	0·7	274·9
W.	3·9	72·8	4·1	249·5	1·8	112·2	0·6	324·6	5·6	238·7	4·1	8·6	2·2	242·7	1·4	41·8	2·1	143·0	1·4	305·6	0·9	137·5	0·4	321·9
Eq.	10·7	93·5	5·9	271·3	2·9	125·2	1·2	340·1	11·6	205·9	8·7	27·7	5·6	219·5	2·5	48·3	5·1	98·0	4·8	271·8	2·7	95·3	1·0	283·6
S.	12·5	101·6	7·1	278·4	1·9	137·3	0·8	348·0	15·9	200·6	12·5	38·5	5·5	223·9	1·6	28·4	6·4	101·7	6·6	278·7	2·6	52·3	0·8	250·4
DISTURBED DAYS.																								
Year	15·0	80·1	5·5	271·9	2·1	151·4	0·2	195·0	19·1	243·3	8·3	20·7	4·5	212·4	1·4	41·4	13·0	173·7	6·7	270·7	1·9	85·4	0·8	277·8
W.	10·9	41·2	3·3	255·8	3·5	141·7	2·2	269·9	18·4	264·8	5·1	339·5	2·6	213·4	2·1	36·5	11·7	173·5	3·0	252·9	0·5	122·0	0·4	262·3
Eq.	19·4	84·8	6·7	260·9	2·8	160·2	1·1	135·8	18·9	251·4	13·2	36·3	6·3	193·5	2·4	24·5	16·6	180·6	8·5	282·1	3·1	82·2	1·2	289·0
S.	18·2	100·8	6·9	289·6	0·1	237·5	1·2	85·9	23·6	219·2	8·5	19·4	5·2	235·0	0·8	140·0	11·1	161·9	8·6	265·4	2·3	87·7	0·8	264·6

TABLE X.—RANGE of MEAN DIURNAL INEQUALITIES for the MONTHS, YEAR and SEASONS of 1935.

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	5·00	0·88	13·2	3·40	0·99	14·0	10·72	1·55	21·2	16·0	26·0	7·8	12·5	18·6	8·8	26·0	56·0	16·8
February	6·08	1·39	21·7	4·64	0·89	15·6	11·62	4·28	44·2	24·3	31·0	14·1	17·6	23·5	8·0	47·8	58·2	44·2
March	8·20	1·04	19·5	7·90	1·03	20·0	11·86	2·69	30·6	24·6	42·2	24·8	22·5	41·0	21·6	37·2	62·7	41·0
April	10·18	2·21	37·7	9·32	1·80	33·2	11·76	4·07	60·2	39·5	53·4	24·8	33·3	47·9	18·0	64·9	59·5	40·8
May	9·15	1·28	28·4	8·92	1·90	37·0	12·46	1·88	29·2	30·7	48·4	27·5	36·4	46·0	27·4	32·9	64·3	33·4
June	11·92	2·00	38·5	11·42	2·01	35·2	14·52	2·66	54·0	38·6	62·9	30·7	34·1	60·6	26·6	50·4	77·0	48·2
July	10·78	1·89	35·5	11·04	2·06	35·8	9·64	3·39	56·2	36·5	56·7	26·3	35·5	61·3	22·2	60·8	45·5	33·8
August	9·90	1·89	33·2	10·16	1·97	31·8	9·56	2·46	41·0	33·1	53·0	22·5	31·5	54·8	19·6	40·5	50·0	23·2
September	9·42	2·09	34·1	7·88	1·59	30·8	14·00	3·68	52·4	37·6	48·5	26·3	30·7	42·6	20·2	56·4	71·1	45·0
October	8·35	2·09	34·6	8·32	1·92	34·8	14·28	4·11	45·8	39·7	42·1	23·0	35·7	43·1	17·0	51·6	73·4	48·2
November	5·80	1·46	23·0	4·70	1·06	18·6	8·86	3·16	36·2	25·9	27·8	12·9	21·1	23·2	8·8	36·5	43·1	28·6
December	5·79	1·27	19·2	3·48	0·90	14·6	9·14	2·05	23·4	21·8	28·6	9·8	16·1	17·2	5·2	26·0	48·4	23·0
Year	8·38	1·62	28·2	7·60	1·51	26·8	11·54	3·00	41·2	30·7	43·4	20·9	27·3	40·0	17·0	44·3	59·1	35·5
Winter	5·67	1·25	19·3	4·06	0·96	15·7	10·09	2·76	31·3	22·0	28·4	11·2	16·8	20·6	7·7	34·1	51·4	28·2
Equinox	9·04	1·86	31·5	8·36	1·59	29·7	12·98	3·64	47·3	35·4	46·6	24·7	30·6	43·7	19·2	52·5	66·7	43·8
Summer	10·44	1·77	33·9	10·39	1·99	35·0	11·55	2·60	45·1	34·7	55·3	26·8	34·4	55·7	24·0	46·2	59·2	34·7

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

Month, 1935.	"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	−0·00	+0·3	−0·0	−0·26	+0·6	−0·4	+1·14	− 1·2	−0·6
February	−0·08	−0·0	−0·1	−0·12	+3·8	−0·2	+0·06	− 6·6	+3·2
March	−0·01	−0·0	+0·1	+0·88	+3·2	+1·0	+1·48	− 4·0	−0·6
April	−0·02	+0·6	−0·1	+0·26	+2·8	−0·6	+0·12	− 5·6	−0·4
May	−0·03	−0·4	+0·1	+0·14	+4·8	−0·8	−1·36	− 8·2	+2·4
June	−0·03	+0·1	+0·0	+0·06	+4·8	−1·0	−0·86	− 9·8	+3·0
July	−0·06	+0·1	−0·2	0·00	+3·4	−2·2	−1·20	− 5·0	−2·6
August	+0·06	+0·2	−0·1	+0·06	+2·4	−1·2	−0·48	0·0	−0·8
September	−0·16	−0·9	+0·5	+0·18	−0·6	+2·0	−2·94	−24·4	+2·2
October	−0·04	+0·0	+0·5	+0·26	+3·2	+1·2	−2·24	−18·0	+6·0
November	+0·03	−0·3	+0·1	+0·72	+4·2	−2·0	−0·36	− 5·2	−1·2
December	−0·04	+0·3	+0·1	+0·22	+0·8	+0·2	−0·78	+ 2·2	−2·4
Year 1935	—	—	—	+0·20	+2·8	−0·3	−0·62	− 7·2	+0·7

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

Month, 1935.	Declination (West).	Inclination.	Horizontal Intensity.	North Intensity.	West Intensity.	Vertical Intensity.	Total Intensity.
	° ′	° ′					
January	11 35·1	66 40·6	·18527	·18150	·03721	·42973	·46796
February	11 34·4	66 40·9	·18525	·18148	·03716	·42976	·46798
March	11 33·5	66 40·8	·18526	·18150	·03712	·42976	·46799
April	11 32·6	66 40·6	·18528	·18153	·03708	·42974	·46798
May	11 31·4	66 40·2	·18534	·18160	·03703	·42973	·46799
June	11 30·6	66 40·3	·18534	·18161	·03698	·42977	·46804
July	11 30·0	66 40·3	·18534	·18162	·03695	·42976	·46803
August	11 28·9	66 40·3	·18534	·18163	·03689	·42975	·46802
September	11 28·0	66 41·3	·18522	·18152	·03682	·42982	·46803
October	11 27·2	66 41·9	·18517	·18148	·03677	·42993	·46811
November	11 26·3	66 41·7	·18522	·18154	·03673	·42997	·46817
December	11 25·3	66 41·9	·18521	·18154	·03668	·43000	·46819
Year 1935	11 30·3	66 40·9	·18527	·18155	·03695	·42981	·46804

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

1935 Day	January	February	March	April	May	June	July	August	September	October	November	December
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	11. 29·4	11. 27·3	11. 22·9	11. 23·4	11. 24·1	11. 24·8	11. 20·5	11. 19·1	11. 19·3	11. 18·3	11. 17·6	11. 16·6
2	29·8	27·9	22·9	23·2	23·9	25·1	20·5	18·7	19·8	17·9	17·8	16·0
3	29·9	27·7	22·8	23·1	23·7	25·0	20·4	19·0	19·4	17·8	17·9	15·6
4	29·7	27·9	22·8	22·9	23·9	25·2	20·4	18·9	19·6	18·1	18·2	15·7
5	28·9	28·0	22·6	22·5	24·3	25·3	20·6	19·3	19·3	18·1	18·1	15·1
6	28·0	27·9	22·7	22·4	24·4	25·3	20·2	19·2	19·4	18·2	17·7	14·9
7	28·0	27·6	22·8	22·8	24·6	25·3	19·7	19·6	18·9	17·8	17·5	15·0
8	27·9	27·2	22·6	22·9	24·6	25·2	19·7	19·7	18·5	17·8	17·6	15·0
9	27·4	27·1	22·3	23·2	24·6	25·2	19·9	20·0	18·4	17·7	17·8	15·3
10	27·6	27·3	22·3	23·5	24·4	25·2	20·0	19·8	18·4	—	17·8	15·3
11	27·7	27·1	22·0	23·8	24·2	25·5	20·0	19·5	18·3	18·3	17·7	15·3
12	27·7	27·1	21·9	23·5	24·0	25·6	20·2	19·5	18·5	18·3	17·8	15·4
13	27·6	27·4	{22·0 / 22·3}	23·4	23·9	25·7	20·3	19·4	19·0	18·1	17·4	15·2
14	27·7	23·1	22·1	23·3	23·6	25·8	20·7	18·9	19·2	18·5	17·2	15·2
15	28·2	23·0	22·2	23·5	23·1	25·8	20·7	18·7	19·5	19·0	17·4	15·1
16	28·2	23·8	22·4	23·6	23·1	26·2	20·8	19·0	19·0	19·0	17·3	14·7
17	28·1	23·5	22·8	23·5	23·0	25·9	20·0	19·1	18·6	18·9	17·2	14·7
18	28·3	23·2	22·9	23·4	22·7	{25·6 / 19·3}	19·7	19·2	18·6	18·8	17·2	14·8
19	28·2	23·4	23·1	23·6	22·8	19·5	19·4	19·4	18·9	18·8	17·2	14·6
20	28·0	23·6	23·2	23·7	23·2	19·8	19·4	19·6	19·0	18·2	17·3	14·8
21	27·9	23·7	23·3	24·2	23·3	19·7	19·1	19·8	18·9	15·8	17·2	14·6
22	27·7	23·5	23·6	24·0	23·3	20·1	19·1	20·0	19·4	15·6	17·1	14·6
23	27·8	22·9	23·7	24·1	23·3	20·7	19·5	19·9	18·6	16·0	16·9	14·3
24	27·9	22·9	23·7	23·9	23·5	20·8	19·7	20·2	18·3	16·1	16·6	14·3
25	28·4	22·7	23·8	24·0	23·9	21·2	19·8	20·2	18·5	15·9	16·2	14·3
26	28·0	22·8	23·9	23·9	24·0	21·0	19·9	20·0	18·0	15·9	15·9	14·7
27	28·1	22·4	23·7	23·9	24·1	20·6	19·7	20·0	18·1	16·6	16·4	15·1
28	27·5	22·8	23·6	23·8	24·3	20·3	20·1	19·2	18·9	16·9	16·2	15·3
29	26·9		23·6	23·8	24·6	20·2	20·1	18·7	19·2	17·2	16·5	15·9
30	26·8		23·3	24·2	25·0	20·3	19·7	18·5	18·9	17·3	16·2	15·8
31	27·4		23·3		24·7		19·2	19·0		17·4		16·0

June 23. Temperature raised to 21°·0. October 21. Temperature lowered to 16°·0. December 5. Temperature lowered to 11°·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.

U.T., 1935.	No. of Obs.	Observed Horizontal Intensity.	Deduced Value of Base Line.
		γ	γ
Jan. 1. 11 46–12 1	8	18521	18694
2. 11 41–11 54	8	18520	18694
3. 16 57–17 19	10	18522	18692
4. 16 21–16 34	8	18513	18692
5. 12 26–12 40	8	18518	18692
7. 14 44–15 2	8	18539	18694
8. 11 57–12 12	8	18534	18693
9. 11 38–11 53	8	18526	18694
10. 11 40–11 55	8	18541	18695
11. 11 47–12 0	8	18529	18695
12. 9 43– 9 57	8	18533	18695
14. 12 54–13 7	8	18533	18695
15. 11 55–12 7	8	18519	18693
16. 10 54–11 6	8	18529	18696
17. 11 12–11 31	10	18480	18694
18. 10 5–10 18	8	18516	18694
19. 12 54–13 5	8	18534	18695
21. 17 8–17 23	8	18531	18695
22. 12 26–12 54	16	18517	18694
23. 10 39–10 58	10	18530	18695
24. 12 44–12 58	8	18526	18696
25. 10 24–10 35	8	18527	18695
26. 10 39–10 50	8	18514	18695
28. 12 20–12 32	8	18504	18693
29. 9 40– 9 52	8	18519	18693
30. 10 23–10 34	8	18515	18693
31. 12 22–12 34	8	18520	18695
Feb. 1. 10 33–10 46	8	18498	18695
2. 9 59–10 21	8	18510	18699
2. 12 41–12 56	8	18496	18698
4. 11 13–11 34	8	18517	18695
5. 12 50–13 4	8	18530	18697
6. 10 38–10 51	8	18513	18696
7. 10 48–11 0	8	18529	18694
7. 11 30–11 45	8	18528	18692
8. 12 19–12 36	10	18519	18695
9. 10 24–10 46	8	18515	18693
11. 14 41–14 57	8	18531	18694
12. 10 14–10 27	8	18528	18694
13. 10 53–11 5	8	18532	18695
14. 10 33–10 47	8	18490	18679
14. 16 58–17 11	8	18506	18679
15. 10 22–11 5	18	18512	18678
16. 11 20–11 32	8	18510	18679
18. 12 47–13 0	8	18532	18680
19. 11 11–11 46	16	18519	18680
20. 11 0–11 12	8	18525	18679
20. 16 30–16 43	8	18519	18681
21. 11 41–11 55	8	18490	18679
22. 10 47–10 59	8	18509	18681
23. 10 48–11 1	8	18510	18681
25. 11 32–11 45	8	18524	18681
26. 11 8–11 41	16	18507	18681
27. 11 42–11 56	8	18519	18683
28. 11 3–11 22	10	18517	18682
Mar. 1. 9 53–10 5	8	18513	18683
2. 12 13–12 27	8	18526	18683
4. 15 45–15 58	8	18521	18683
5. 11 17–12 00	16	18516	18683
Mar. 6. 11 22–11 35	8	18512	18683
7. 12 38–12 54	10	18522	18683
8. 12 52–13 5	8	18517	18683
9. 11 36–11 49	8	18524	18684
11. 13 0–13 14	8	18524	18686
12. 10 58–11 13	8	18528	18685
13. 11 21–11 53	16	18504	18684
13. 14 48–15 24	16	18508	18699
14. 11 41–11 58	10	18490	18700
15. 11 20–11 34	8	18497	18700
16. 10 15–10 26	8	18509	18698
18. 11 52–12 4	8	18520	18699
19. 11 3–11 34	16	18502	18699
20. 12 25–12 27	2	18526	18700
20. 12 58–13 0	2	18528	18700
20. 15 50–16 12	10	18535	18700
21. 11 45–11 58	8	18512	18699
22. 11 18–11 31	8	18506	18699
23. 9 36– 9 48	8	18509	18698
25. 13 9–13 21	8	18516	18699
26. 11 20–11 35	8	18513	18698
27. 11 47–12 1	8	18510	18698
28. 11 32–12 3	16	18523	18698
29. 11 33–11 51	10	18519	18698
30. 11 29–11 44	8	18521	18699
Apr. 1. 11 17–11 31	8	18501	18698
2. 10 58–11 34	16	18502	18696
3. 11 17–11 32	8	18512	18697
4. 11 38–11 53	8	18512	18699
5. 12 45–12 58	8	18520	18699
6. 11 14–11 28	8	18503	18699
8. 14 53–15 8	8	18528	18699
9. 12 39–13 10	16	18484	18699
9. 16 27–16 33	4	18513	18698
10. 10 41–10 54	8	18483	18697
11. 10 13–10 35	10	18408	18698
12. 10 19–10 37	8	18486	18699
13. 10 7–10 20	8	18493	18698
15. 13 44–13 58	8	18517	18699
16. 9 23– 9 59	16	18519	18697
17. 9 19– 9 42	10	18518	18698
18. 9 17– 9 29	8	18504	18697
19. 9 24– 9 38	8	18510	18699
20. 9 36– 9 48	8	18501	18697
22. 9 57–10 10	8	18504	18696
23. 10 48–11 0	8	18504	18697
24. 9 14– 9 48	16	18507	18696
25. 9 16– 9 29	8	18518	18697
26. 9 15– 9 36	10	18521	18697
27. 9 14– 9 26	8	18521	18696
29. 9 12– 9 25	8	18535	18697
30. 10 2–10 16	8	18513	18697
May 1. 11 13–11 42	16	18515	18696
2. 14 14–14 28	8	18523	18697
3. 9 53–10 9	10	18518	18696
4. 9 52–10 6	8	18513	18697
7. 10 6–10 19	8	18524	18697
8. 9 4– 9 40	16	18521	18694
9. 9 7– 9 25	10	18518	18695
May 10. 9 17– 9 37	8	18547	18696
11. 8 52– 9 7	8	18532	18696
13. 14 40–15 14	16	18538	18696
14. 9 13– 9 37	10	18526	18696
15. 9 3– 9 18	8	18524	18697
16. 9 0– 9 13	8	18507	18697
17. 10 30–10 44	8	18513	18698
18. 8 57– 9 11	8	18521	18697
20. 9 45–10 6	8	18514	18697
21. 9 14–10 19	16	18495	18695
22. 9 17– 9 39	10	18517	18697
23. 9 1– 9 15	8	18515	18697
24. 9 8– 9 21	8	18520	18697
25. 9 1– 9 16	8	18528	18697
27. 13 38–13 51	8	18527	18697
28. 11 54–12 7	8	18537	18696
29. 10 25–10 57	16	18532	18694
30. 9 48– 9 58	8	18517	18694
31. 10 35–10 52	10	18516	18694
June 1. 10 11–10 24	8	18511	18695
3. 14 34–14 51	8	18540	18696
4. 10 25–10 38	8	18524	18695
5. 10 27–10 58	16	18517	18693
6. 10 18–10 33	10	18516	18694
7. 10 19–10 31	8	18528	18693
8. 10 18–10 30	8	18487	18694
11. 14 2–14 34	16	18526	18693
12. 10 36–10 48	8	18518	18692
13. 10 26–10 42	10	18507	18692
14. 10 22–10 35	8	18513	18693
15. 10 13–10 25	8	18512	18692
17. 9 17–19 49	16	18519	18692
18. 10 34–10 50	10	18496	18692
18. 13 31–13 44	8	18516	18704
19. 9 8– 9 20	8	18488	18703
20. 15 37–15 49	8	18534	18702
21. 10 30–10 45	8	18500	18701
21. 14 0–14 15	5	18522	18704
22. 9 34– 9 45	8	18499	18703
24. 11 17–11 35	8	18524	18728
25. 10 38–10 51	8	18516	18727
26. 10 25–10 37	8	18516	18726
27. 10 25–10 58	18	18514	18726
28. 10 58–11 11	8	18520	18727
29. 9 22– 9 42	8	18514	18728
July 1. 11 35–11 48	8	18507	18727
2. 10 13–10 43	16	18505	18726
3. 9 14– 9 28	8	18510	18727
4. 10 7–10 24	10	18516	18727
5. 11 4–11 17	8	18505	18727
6. 9 22– 9 39	8	18517	18727
8. 14 4–14 18	8	18524	18728
9. 14 38–14 53	8	18528	18728
10. 10 22–10 35	8	18503	18728
11. 11 14–11 28	8	18524	18730
12. 10 13–10 44	16	18507	18726
13. 9 45– 9 59	8	18527	18726
15. 13 34–13 50	8	18538	18728

June 23. 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., 1935.	No. of Obs.	Observed Horizontal Intensity.	Deduced Value of Base Line.
		γ	γ
July 16. 10 22–10 36	8	18506	18721
16. 15 55–16 3	4	18546	18723
17. 10 7–10 36	16	18512	18721
18. 9 45–10 5	10	18517	18723
19. 10 18–10 32	8	18523	18723
19. 14 47–15 1	8	18541	18724
20. 9 46– 9 59	8	18518	18723
22. 11 33–11 45	8	18500	18724
23. 11 14–11 29	8	18510	18723
24. 10 3–10 40	10	18516	18721
25. 9 21– 9 39	8	18511	18723
26. 10 48–11 2	8	18519	18721
27. 9 22– 9 42	8	18503	18721
29. 19 9–19 23	8	18551	18722
30. 13 39–13 58	8	18534	18721
30. 15 29–15 42	8	18542	18721
31. 9 33– 9 47	8	18515	18723
Aug. 1. 9 37– 9 51	8	18508	18724
2. 16 1–16 9	4	18528	18724
3. 9 12– 9 26	8	18520	18724
6. 14 54–15 12	8	18636	18724
7. 10 43–10 57	8	18510	18722
8. 10 2–10 35	16	18516	18722
9. 13 50–14 8	8	18533	18723
10. 10 10–10 25	8	18526	18723
12. 16 33–16 46	8	18533	18722
13. 10 17–10 32	8	18517	18722
14. 11 18–11 49	16	18526	18724
15. 10 0–10 12	8	18521	18725
16. 15 7–15 25	10	18534	18725
17. 10 8–10 22	8	18507	18723
19. 16 24–16 37	8	18540	18723
20. 10 9–10 22	8	18497	18724
21. 10 58–11 28	16	18501	18722
22. 10 22–10 39	10	18504	18723
23. 11 14–11 27	8	18525	18724
24. 10 11–10 26	8	18512	18722
26. 16 22–16 35	8	18542	18723
27. 10 18–10 50	16	18521	18722
28. 9 33–10 9	16	18520	18723
29. 10 0–10 33	16	18507	18724
30. 8 59– 9 14	8	18503	18725
31. 9 39– 9 52	8	18508	18723
Sept. 2. 8 44– 8 55	8	18517	18723
3. 8 38– 8 50	8	18522	18722
4. 9 23– 9 41	8	18510	18724
5. 9 13– 9 46	16	18508	18723
6. 9 6– 9 18	8	18515	18723
Sept. 7. 8 38– 8 48	8	18521	18723
9. 8 49– 9 1	8	18528	18724
10. 8 15– 8 26	8	18516	18724
11. 9 16– 9 30	8	18535	18724
12. 8 49– 9 14	16	18481	18723
13. 9 14– 9 29	8	18500	18723
14. 9 16– 9 27	8	18504	18724
16. 8 59– 9 14	8	18506	18724
18. 9 29– 9 41	8	18475	18724
19. 9 31– 9 57	16	18482	18725
20. 9 3– 9 15	8	18510	18724
21. 9 49–10 1	8	18510	18723
23. 14 41–14 58	8	18504	18724
23. 15 7–15 22	8	18508	18722
24. 9 53–10 5	8	18505	18724
26. 19 56–20 6	6	18520	18726
27. 9 54–10 4	8	18482	18726
28. 10 21–10 34	8	18491	18725
30. 16 21–16 34	8	18498	18722
Oct. 1. 9 37–10 5	16	18504	18724
2. 9 20– 9 38	8	18501	18724
3. 15 3–15 17	8	18524	18726
4. 11 7–11 21	8	18498	18724
5. 11 59–12 11	8	18504	18725
7. 13 0–13 12	8	18519	18726
8. 12 8–12 20	8	18518	18726
9. 16 12–16 25	8	18520	18727
10. 13 0–13 25	16	18512	18725
11. 12 53–13 6	8	18529	18726
12. 12 36–12 49	8	18513	18727
14. 11 23–11 36	8	18488	18728
15. 17 6–17 21	8	18520	18727
16. 10 51–11 4	8	18495	18727
17. 14 58–15 52	12	18508	18727
18. 15 48–16 18	16	18524	18726
19. 12 51–13 3	8	18491	18727
21. 15 32 15 53	8	18498	18703
22. 12 38–12 51	18	18465	18698
22. 16 9–16 23	8	18497	18698
23. 14 39–14 52	8	18514	18700
24. 10 52–11 5	8	18485	18699
25. 12 11–12 24	8	18486	18699
26. 12 44–12 57	8	18487	18700
28. 15 53–16 5	8	18503	18699
29. 11 10–11 24	8	18492	18697
30. 16 13–16 26	8	18475	18697
31. 12 26–12 39	8	18481	18697
Nov. 1. 12 41–12 54	8	18517	18697
2. 12 30–12 58	16	18510	18697
Nov. 4. 16 49–17 5	8	18527	18696
5. 11 50–12 10	12	18509	18695
5. 16 20–16 46	8	18537	18696
6. 11 50–12 42	16	18497	18695
7. 16 53–17 4	8	18530	18697
8. 15 54–16 9	8	18509	18697
9. 12 34–12 46	8	18517	18696
11. 15 17–15 30	8	18532	18695
12. 10 48–10 59	8	18510	18695
13. 11 20–11 44	16	18491	18696
14. 11 29–11 41	8	18493	18698
15. 14 35–14 46	8	18514	18696
16. 15 11–15 24	8	18512	18695
18. 15 34–15 48	8	18523	18695
19. 16 4–16 17	8	18512	18695
20. 15 38–16 5	16	18498	18695
21. 15 6–15 18	8	18499	18695
22. 12 54–13 4	8	18514	18695
23. 13 10–13 21	8	18513	18695
25. 11 34–11 49	8	18522	18696
26. 15 56–16 9	8	18530	18695
27. 10 45–11 0	8	18526	18694
28. 11 26–11 58	16	18529	18694
29. 11 3–11 16	8	18537	18695
30. 11 46–12 0	8	18515	18696
Dec. 2. 16 11–16 25	8	18521	18696
3. 15 41–16 11	16	18493	18694
4. 12 49–13 2	8	18519	18695
5. 12 50–13 2	8	18526	18673
5. 16 5–16 18	8	18522	18672
6. 11 44–12 4	10	18512	18670
7. 12 41–12 53	8	18504	18670
9. 16 27–16 40	8	18529	18670
10. 11 47–12 46	16	18515	18670
11. 13 1–13 13	8	18518	18671
12. 12 42–12 58	10	18523	18670
13. 10 52–11 4	8	18507	18670
14. 12 38–12 50	8	18504	18670
16. 15 10–15 23	8	18476	18669
17. 14 43–15 59	10	18520	18670
18. 12 51–13 5	8	18509	18671
19. 11 31–11 44	8	18508	18672
20. 10 57–11 27	16	18517	18670
21. 12 58–13 16	8	18524	18671
23. 17 6–17 19	8	18532	18696
24. 15 24–16 4	16	18529	18697
27. 11 44–11 58	10	18506	18694
28. 11 38–11 50	8	18497	18693
30. 16 39–16 52	8	18524	18692
31. 11 45–13 7	18	18510	18693

October 21. Temperature lowered to 16°·0.

December 5. Temperature lowered to 11°·0.

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

U.T., 1935.	Observed Horizontal Intensity.	Deduced Value of Base Line.
	γ	γ
Jan. 2. 14 54–16 24	18521	18696
5. 10 18–11 29	18519	18694
8. 10 32–11 41	18544	18698
9. 10 8–11 16	18532	18698
10. 10 13–11 21	18549	18702
11. 10 13–11 23	18537	18699
12. 10 45–11 50	18532	18696
14. 14 30–15 47	18537	18698
15. 14 36–15 44	18532	18699
16. 14 33–15 35	18541	18699
17. 14 40–15 41	18518	18695
18. 10 25–11 29	18515	18697
19. 10 11–11 24	18524	18696
23. 14 37–15 45	18519	18696
24. 10 4–11 14	18522	18694
25. 10 39–11 32	18527	18698
26. 9 43–10 32	18528	18699
31. 15 44–16 42	18516	18691
Feb. 1. 15 9–16 1	18503	18696
2. 10 52–11 44	18494	18692
4. 15 3–16 26	18528	18696
5. 14 18–15 16	18535	18699
6. 14 51–16 16	18532	18696
7. 12 15–13 16	18536	18700
8. 14 37–15 43	18538	18700
12. 11 45–12 38	18536	18700
13. 9 40–10 33	18534	18699
14. 14 39–15 47	18508	18681
15. 14 40–15 43	18514	18682
18. 14 35–15 39	18535	18686
19. 14 35–15 37	18528	18683
20. 9 58–11 10	18531	18682
21. 10 12–11 14	18524	18687
22. 9 59–11 22	18519	18691
23. 9 49–10 40	18535	18693
25. 15 3–16 3	18529	18682
26. 11 40–12 27	18504	18687
27. 10 49–11 35	18511	18678
28. 10 12–11 1	18516	18677
Mar. 1. 10 37–11 47	18510	18683
2. 9 53–11 11	18526	18685
4. 10 2–11 5	18515	18677
Mar. 5. 10 1–11 10	18510	18680
6. 9 39–10 24	18519	18682
7. 9 59–10 56	18516	18678
8. 10 59–11 41	18506	18673
11. 11 10–11 54	18530	18681
12. 9 28–10 16	18538	18689
13. 9 29–10 16	18533	18688
14. 12 19–12 58	18497	18703
15. 9 46–10 29	18516	18707
16. 12 1–13 25	18522	18710
18. 15 7–16 4	18524	18704
19. 14 32–15 29	18529	18705
21. 15 7–16 4	18515	18704
22. 14 57–15 49	18529	18699
25. 15 54–16 50	18529	18698
Apr. 2. 14 39–15 39	18529	18699
5. 14 59–15 59	18544	18703
8. 15 22–16 19	18552	18703
11. 14 33–15 47	18492	18703
12. 14 44–15 41	18525	18705
13. 11 11–12 0	18477	18705
15. 14 30–15 29	18527	18703
17. 13 38–14 38	18535	18705
24. 13 44–14 44	18536	18704
26. 13 56–14 49	18531	18700
29. 13 58–14 56	18548	18707
May 1. 13 44–14 43	18557	18707
3. 10 57–11 50	18525	18709
7. 13 36–14 32	18546	18710
8. 13 41–14 56	18531	18701
10. 13 37–14 40	18540	18706
14. 13 34–14 34	18538	18707
15. 13 32–14 33	18543	18707
17. 13 48–14 46	18539	18709
21. 14 36–15 43	18533	18709
23. 13 45–14 42	18537	18712
24. 14 8–15 15	18554	18708
25. 10 13–11 9	18518	18703
27. 14 26–15 32	18537	18704
28. 10 7–11 5	18538	18697
29. 9 13–10 12	18533	18701
30. 10 0–10 51	18524	18699
31. 9 12–10 19	18520	18696
June 1. 8 55–9 58	18512	18695
4. 9 15–10 11	18531	18696
5. 9 14–10 16	18520	18694
6. 9 4–10 5	18532	18698
7. 9 6–10 8	18528	18694
8. 9 8–10 9	18464	18692
12. 9 25–10 23	18512	18690
13. 9 12–10 15	18513	18696
14. 9 7–10 9	18513	18694
15. 8 51–10 0	18515	18697
17. 15 6–16 2	18551	18695
18. 9 9–10 14	18501	18694
21. 9 11–10 13	19504	18703
25. 13 39–14 43	18537	18731
26. 9 9–10 11	18521	18730
27. 9 3–10 8	18515	18728
28. 9 11–10 25	18530	18732
July 1. 14 45–15 47	18550	18736
2. 13 58–14 59	18560	18740
3. 13 40–14 37	18549	18737
4. 8 54–9 52	18521	18731
5. 13 57–15 1	18555	18737
9. 10 2–11 0	18524	18743
10. 10 45–11 37	18522	18745
11. 13 40–14 43	18563	18743
12. 13 32–14 39	18553	18746
13. 10 8–10 58	18538	18742
15. 14 24–15 22	18559	18746
Nov. 1. 15 40–16 45	18527	18699
2. 10 3–11 5	18503	18697
2. 11 53–13 0	18504	18697
4. 10 19–11 17	18508	18697
4. 14 49–15 49	18525	18701
5. 9 59–11 19	18507	18698
5. 14 51–15 48	18526	18700
6. 10 5–11 21	18495	18699
6. 14 36–15 52	18516	18695
7. 10 13–11 12	18512	18700
23. 10 54–12 0	18507	18697

June 23. Temperature raised to 21°·0.

October 21. Temperature lowered to 16°·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.

U.T., 1935.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Jan. 1. 10 24–10 53	8	42976	43196
1. 15 24–15 49	8	42973	43195
2. 10 58–11 23	8	42979	43194
3. 14 46–15 26	10	42977	43195
4. 15 39–16 2	8	42983	43196
5. 11 48–12 10	8	42971	43197
7. 10 52–11 18	8	42962	43201
14. 10 50–11 8	8	42976	43213
15. 11 17–11 39	8	42969	43209
15. 16 35–16 46	4	42979	43210
16. 11 44–12 4	8	42968	43210
17. 10 32–10 55	10	42967	43209
18. 11 44–12 4	8	42968	43207
19. 11 43–12 8	8	42974	43209
21. 19 40–20 14	8	42981	43209
22. 10 39–11 8	8	42973	43210
23. 11 24–11 52	10	42963	43213
24. 11 41–12 10	8	42969	43212
25. 9 53–10 18	8	42973	43214
26. 11 19–11 42	8	42975	43217
28. 11 19–12 3	10	42976	43215
29. 10 0–10 5	2	42977	43216
29. 13 50–14 11	6	42981	43217
20. 9 44– 9 59	6	42971	43214
31. 12 44–13 3	8	42971	43214
Feb. 1. 9 49–10 20	8	42976	43215
2. 11 54–12 21	8	42975	43215
4. 12 3–12 45	8	42977	43214
5. 11 8–11 49	8	42973	43216
6. 11 37–12 4	8	42971	43212
7. 15 37–15 59	8	42975	43214
8. 10 47–11 25	12	42966	43211
9. 11 24–11 49	8	42971	43215
11. 12 42–13 9	8	42970	43215
12. 10 51–11 28	8	42965	43220
12. 16 59–17 30	8	42978	43220
13. 10 1–10 40	8	42968	43219
14. 11 8–11 35	8	42974	43217
15. 11 25–11 59	10	42972	43218
16. 10 10–10 39	8	42977	43219
18. 16 8–16 33	8	42984	43218
19. 10 21–10 54	8	42969	43217
20. 10 0–10 26	8	42972	43214
20. 17 5–17 17	4	42985	43218
21. 10 22–10 53	8	42964	43217
22. 10 23–10 41	8	42971	43217
23. 10 3–10 31	8	42967	43217
25. 10 28–10 50	8	42965	43219
26. 10 19–10 52	8	42963	43220
27. 10 22–10 51	8	42972	43220
28. 10 14–10 47	10	42971	43221
Mar. 1. 10 20–10 41	8	42969	43222
2. 11 37–11 57	8	42977	43226
4. 15 1–15 31	8	42981	43223
5. 10 25–10 49	8	42962	43224
6. 10 8–10 33	8	42962	43225
7. 11 23–11 54	10	42960	43225
8. 10 9–10 39	8	42963	43225
9. 10 20–10 48	8	42965	43226
11. 14 52–15 17	8	42982	43224

U.T., 1935:	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Mar. 12. 10 15–10 40	8	42969	43228
13. 10 7–10 36	8	42965	43228
14. 10 50–11 26	10	42963	43229
15. 10 9–10 36	8	42964	43229
16. 9 51–10 8	8	42972	43230
18. 10 50–11 13	8	42971	43231
19. 10 15–10 47	8	42971	43229
20. 10 13–10 52	10	42967	43226
21. 11 12–11 33	8	42960	43224
22. 10 6–10 30	8	42973	43225
23. 9 58–10 15	8	42970	43225
25. 12 1–12 34	8	42962	43223
26. 12 49–13 9	8	42968	43223
27. 14 43–15 12	8	42981	43222
28. 14 50–15 19	8	42979	43220
29. 14 40–15 1	8	42973	43225
30. 12 46–13 8	8	42961	43221
Apr. 1. 10 7–10 34	8	42972	43225
1. 15 20–15 49	8	42978	43129
2. 10 17–10 49	8	42966	43128
3. 11 42–12 29	8	42962	43127
4. 10 53–11 25	8	42961	43130
5. 11 16–11 41	8	42954	43132
5. 15 20–15 48	8	42971	43130
6. 10 5–10 38	8	42966	43134
6. 12 30–12 49	8	42960	43134
8. 11 26–11 53	8	42954	43135
9. 10 53–11 28	8	42960	43136
10. 11 8–11 27	8	42960	43136
11. 10 56–11 29	10	42965	43132
12. 10 56–11 20	8	42959	43132
13. 10 42–11 4	8	42968	43133
15. 11 33–11 58	8	42956	43131
16. 10 15–10 42	8	42962	43131
17. 10 1–10 35	10	42964	43133
18. 9 47–10 9	8	42968	43132
19. 9 52–10 14	8	42967	43133
20. 10 7–10 30	8	42963	43134
22. 10 29–10 56	8	42961	43132
23. 13 46–14 28	8	42970	43130
24. 10 7–10 32	8	42968	43130
25. 9 49–10 14	8	42963	43133
26. 9 57–10 27	10	42962	43134
27. 9 50–10 11	8	42965	43133
29. 9 50–10 16	8	42967	43134
30. 10 34–10 56	8	42950	43134
May 1. 10 10–10 32	8	42960	43132
2. 14 46–15 11	8	42982	43133
3. 10 22–11 3	10	42965	43132
3. 11 25–11 37	4	42967	43139
4. 10 23–10 47	8	42961	43135
7. 10 35–10 56	8	42961	43133
8. 9 54–10 24	8	42960	43135
9. 9 44–10 18	10	42963	43135
10. 9 56–10 24	8	42959	43137
11. 9 18– 9 51	8	42957	43137
13. 13 37–13 59	8	42967	43136
14. 9 52–10 37	12	42963	43139
15. 9 39–10 3	8	42967	43136

U.T. 1935	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
May 16. 9 40–10 1	8	42950	43140
17. 10 55–11 16	8	42958	43140
18. 9 24–10 56	8	42961	43143
20. 10 30–11 10	8	42958	43144
21. 10 50–11 12	8	42963	43144
22. 9 52–10 25	12	42953	43141
23. 9 40–10 6	8	42957	43142
24. 9 44–10 9	8	42970	43145
25. 9 40–10 4	8	42966	43144
27. 10 6–10 28	8	42973	43146
28. 11 24–11 46	8	42964	43142
29. 11 10–11 38	8	42951	43140
30. 9 11– 9 28	8	42963	43141
31. 11 9–11 38	10	42945	43140
June 1. 10 33–10 55	8	42950	43137
3. 15 5–15 23	8	42966	43135
4. 10 48–11 9	8	42958	43140
5. 11 34–11 53	8	42953	43139
6. 10 43–11 8	10	42944	43140
7. 10 43–11 0	8	42958	43142
8. 10 46–11 6	8	42967	43139
11. 14 49–15 11	8	42988	43139
12. 11 3–11 25	8	42971	43140
13. 11 8–11 33	10	42976	43139
14. 10 47–11 11	8	42969	43136
15. 10 36–10 57	8	42964	43138
17. 10 6–10 27	8	42967	43139
18. 11 6–11 33	10	42958	43137
19. 9 45–10 7	8	42972	43137
20. 9 4– 9 27	6	42980	43135
21. 11 9–11 33	8	42962	43136
22. 10 2–10 21	8	42976	43136
24. 11 53–12 22	8	42955	43160
25. 11 3–11 32	8	42952	43160
26. 10 51–11 19	8	42961	43163
27. 11 14–11 43	10	42963	43163
28. 11 23–11 44	8	42961	43163
29. 8 54– 9 15	8	42964	43165
July 1. 13 45–14 10	8	42961	43166
2. 10 56–11 16	8	42968	43167
3. 9 50–10 12	8	42962	43166
4. 10 33–10 58	10	42960	43170
5. 11 33–12 5	8	42956	43169
6. 10 2–10 31	8	42962	43169
9. 8 51– 9 18	8	42973	43172
10. 9 1– 9 27	8	42973	43174
11. 10 33–10 57	8	42971	43174
12. 9 42–10 4	8	42970	43175
13. 9 1– 9 28	8	42964	43173
15. 11 52–12 15	8	42962	43170
16. 9 50–10 12	8	42969	43171
17. 8 46– 9 18	8	42963	43174
18. 8 49– 9 18	8	42971	43177
19. 8 49–10 25	10	42965	43180
20. 9 5– 9 38	8	42974	43183
22. 10 16–10 36	8	42969	43186
26. 9 16– 9 58	8	42977	43184
27. 8 46– 9 13	8	42982	43185
29. 8 49– 9 12	8	42973	43185

June 23. 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., 1935.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Aug. 2. 15 41–15 46	4	42978	43188
3. 8 29– 8 47	8	42981	43194
3. 10 50–11 25	8	42965	43197
6. 14 15–14 39	8	42982	43192
7. 9 34–10 0	8	42969	43193
8. 9 19– 9 49	8	42964	43193
9. 11 39–12 4	8	42955	43192
10. 9 18– 9 45	8	42967	43192
12. 16 4–16 25	8	42978	43194
13. 9 14– 9 39	8	42960	43196
14. 10 41–11 2	8	42961	43199
15. 9 17– 9 51	8	42958	43200
16. 14 29–14 55	8	42977	43200
17. 9 36– 9 57	8	42966	43202
19. 15 52–16 17	8	42983	43202
20. 9 36–10 0	8	42977	43203
21. 9 42–10 17	8	42983	43203
22. 9 46–10 12	8	42966	43200
23. 10 34–10 58	8	42967	43200
24. 9 32– 9 59	8	42975	43202
26. 15 48–16 14	8	42983	43203
27. 9 19– 9 43	8	42973	43204
28. 14 4–14 24	8	42981	43206
29. 11 38–12 1	8	42965	43210
30. 10 32–10 51	8	42960	43213
30. 14 9–14 33	8	42981	43211
31. 10 15–10 38	8	42971	43210
Sept. 2. 8 21– 8 38	8	42970	43211
3. 9 0– 9 19	8	42965	43212
4. 8 59– 9 18	8	42976	43215
4. 14 48–15 12	8	42973	43191
5. 8 50– 9 7	8	42975	43190
6. 8 41– 9 1	8	42973	43194
7. 9 5– 9 21	8	42967	43195
9. 8 23– 8 44	8	42977	43199
10. 8 34– 8 49	8	42968	43198
11. 8 22– 8 45	8	42961	43201
12. 9 38– 9 53	8	42977	43200
13. 8 50– 9 6	8	42981	43199
14. 9 37– 9 53	8	42974	43204
16. 8 35– 8 54	8	42977	43203
17. 9 18– 9 47	8	42969	43206
18. 8 39– 8 58	8	42980	43205
19. 9 2– 9 23	8	42981	43205
20. 9 49–10 5	8	42976	43205
21. 9 4– 9 35	8	42977	43204
23. 13 42–14 3	8	42973	43205

U.T., 1935.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Sep. 24. 9 23– 9 41	8	42981	43206
26. 20 13–20 23	4	42995	43215
27. 9 22– 9 42	8	42985	43215
27. 15 24–15 35	4	43005	43217
28. 9 39–10 2	8	42982	43217
30. 15 49–16 11	8	43015	43216
Oct. 1. 9 4– 9 30	8	42989	43219
2. 9 46–10 4	8	42991	43224
3. 15 27–15 46	8	42994	43225
4. 11 41–12 0	8	42977	43226
5. 11 22–11 44	8	42975	43227
7. 12 31–12 49	8	42980	43226
8. 12 40–13 3	8	42970	43219
9. 12 11–12 33	8	42984	43228
10. 12 36–12 54	8	42983	43226
11. 12 18–12 41	8	42971	43226
12. 12 1–12 25	8	42979	45232
14. 10 48–11 10	8	42976	43231
15. 16 32–16 53	8	43000	43229
16. 10 15–10 37	8	42973	43232
17. 16 12–16 33	8	43008	43229
18. 14 40–15 5	8	42995	43229
19. 12 17–12 44	8	42985	43229
21. 11 53–12 22	8	43003	43225
21. 16 35–16 56	8	43019	43221
22. 11 14–11 43	8	42999	43223
23. 12 41–13 5	8	42989	43223
24. 10 21–10 44	8	42992	43225
25. 11 41–12 2	8	42992	43223
26. 12 7–12 25	8	42988	43223
28. 14 57–15 19	8	43006	43221
29. 10 24–10 57	8	42996	43221
30. 15 27–16 3	8	43029	43220
31. 11 44–12 5	8	42998	43222
Nov. 1. 11 44–12 13	8	42986	43226
2. 11 28–11 47	8	42988	43225
4. 16 15–16 25	8	43003	43225
5. 12 59–13 17	8	42991	43225
6. 13 4–13 20	8	42996	43226
7. 16 25–16 42	8	42998	43225
8. 11 47–12 24	8	42990	43223
9. 12 5–12 25	8	42991	43227

U.T., 1935.	No. of Obs.	Observed Vertical Intensity.	Deduced Value of Base Line.
		γ	γ
Nov. 11. 14 46–15 6	8	42991	43223
12. 11 8–11 33	8	42986	43228
13. 10 55–11 14	8	42987	43218
14. 10 47–11 11	8	43000	43232
15. 12 45–13 3	8	42993	43230
16. 14 45–15 4	8	42999	43225
18. 16 8–16 26	8	43001	43231
19. 12 45–13 5	8	43000	43228
20. 12 39–13 4	8	43002	43228
21. 11 42–12 2	8	43004	43231
22. 11 59–12 21	8	42996	43231
23. 12 40–13 0	8	43004	43234
25. 10 55–11 16	8	42994	43234
26. 15 5–15 43	8	43003	43239
27. 9 36– 9 56	4	42997	43242
27. 10 6–10 18	6	42993	43240
28. 10 35–10 58	8	42993	43239
29. 10 25–10 47	8	42987	43236
30. 11 0–11 28	8	42990	43232
Dec. 2. 16 38–17 14	8	43003	43236
3. 14 58–15 21	8	43004	43240
4. 11 18–11 51	12	42994	43238
5. 12 13–12 36	8	43002	43211
5. 14 49–15 13	8	43000	43208
5. 16 32–16 58	8	43000	43213
6. 10 34–10 55	8	42997	43206
7. 10 41–10 58	6	42993	43211
9. 12 36–13 8	10	42995	43210
10. 10 18–11 14	8	42994	43211
11. 12 27–12 51	8	42996	43212
12. 11 46–12 3	8	42985	43210
13. 10 13–10 43	8	42994	43210
14. 11 46–12 3	8	42992	43209
16. 17 31–17 49	5	43010	43208
17. 10 43–11 14	8	42999	43213
18. 12 16–12 45	8	42997	43208
19. 10 42–11 15	10	42997	43211
20. 10 24–10 47	8	42999	43211
21. 11 32–11 56	8	42993	43213
23. 16 31–16 52	8	42997	43214
24. 12 59–13 18	6	43000	43216
27. 10 55–11 25	10	43002	43215
28. 12 31–12 51	8	43000	43216
30. 16 6–16 26	8	43010	43217
31. 10 27–11 2	10	43001	43212

Oct. 21. Temperature lowered to 16°·0.

December 5. Temperature lowered to 11°·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.

1935 Day	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	43196	43220	43215	43127	43128	43132	43164	43195	—	43213	43216	—
2	196	214	228	121	126	—	167	—	43218	213	216	43231
3	191	—	—	121	130	132	165	205	219	—	—	235
4	192	208	224 / 217	125 / 117	133	140	162	—	223	—	217	232
5	195	206	216	129	—	131	161	—	201	—	218	202
6	—	213	220	133	—	132	166	198	205	—	221	197
7	192	217	215	—	135	133	—	197	196	—	219	198
8	200	220	219	129	136	134	169	196	—	224	223	—
9	201	230	219	135	130	—	171	198	211	223	218	208
10	200	—	—	122	128	—	172	199	198	219	—	201
11	200	229	220	131	133	129	175	—	195	223	230	202
12	206	222	223	123	—	130	171	203	200	223	227	204
13	—	225	221	121	131	130	176	205	205	—	223	205
14	207	214	219	—	136	131	—	200	201	229	219	201
15	204	225	221	130	135	133	172	207	—	226	218	—
16	204	207	220	124	143	—	176	206	198	224	220	204
17	207	—	—	127	139	139	173	207	196	227	—	203
18	211	206	221	127	144	140	178	—	203	226	219	—
19	208	210	220	132	—	134	183	208	207	226	223	208
20	—	212	222	128	153	—	187	208	195	—	225	207
21	210	215	223	—	152	129	—	207	203	223	228	205
22	218	212	218	135	145	131	187	208	—	224	224	—
23	211	209	225	126	144	—	186	204	204	215	220	210
24	217	—	—	127	145	160	186	207	201	219	—	210
25	214	213	221	129	148	156	186	—	—	221	223	—
26	214	207	220	129	—	161	186	208	—	217	227	—
27	—	219	221	126	147	161	188	208	209	—	227	205
28	216	216	216	—	143	163	—	213	212	217	235	208
29	209		219	125	138	165	195	215	—	221	226	—
30	220		217	130	135 / 134	—	188	216	213	223	234	203
31	214		—		133		195	215		218		201

June 23. Temperature raised to 21°·0. October 21. Temperature lowered to 16°·0. December 5. Temperature lowered to 11°·0.

From February 7 to March 1 and from April 4 to April 23 the Inductor formerly in use at Greenwich was employed in the observation of Inclination.

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 1925–1935.

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

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 1935.

January.—Conditions during the first five days were rather unsteady. Prominent waves occurred in H at $1^d.8^h$ (-60γ) and $4^d.0^h$ ($+60\gamma$), and in D at $1^d.9^h$ ($+8'$). The period from 6^d. to 10^d was nearly quiet, but unsteadiness returned on 11^d, the movements frequently being of an oscillatory type during the ensuing six days. On 17^d a disturbance began at 0^h and lasted with diminishing intensity until about $19^d.0^h$. In the early stages there were movements of $\pm 10'$ in D, a wave in V (-35γ) and considerable unsteadiness in H. Relatively quiet conditions were attained during 20^d, but marked unsteadiness began again at $21^d.18^h$ and gradually increased until 25^d, after which it rapidly diminished, to die away at $27^d.0^h$. At $27^d.14^h.50^m$ sudden movement in all traces indicated the approach of the most considerable disturbance of the month. This began approximately three hours later and comprised ranges of about $25'$ in D, 120γ in H and 40γ in V. The traces are reproduced in Plate I. Quiet conditions set in at $29^d.3^h$, but lasted for little more than twenty-four hours, after which slight general unsteadiness prevailed for the remainder of the month.

The range in declination during the month was from $11°.13'{\cdot}9$ on 27th to $11°.44'{\cdot}2$ on 1st; in horizontal intensity, from ·18447 on 28th to ·18575 on 4th; in vertical intensity, from ·42942 on 17th to ·43002 on 27th.

February.—A disturbance began at $1^d.17^h$ and lasted until $2^d.20^h$. It was marked in the early stages by a steady decrease in D ($24'$) and in V (75γ). The former recovered quickly between $2^d.3^h$ and $2^d.4^h$, the recovery being followed immediately by a wave in H ($+65\gamma$). The latter recovered only gradually. Conditions remained slightly unsteady until the afternoon of 13th, when the most active disturbance of the month began with little or no warning. Unfortunately an adjustment of the H variometer was being carried out on the same afternoon and all recording was suspended between 12^h and 17^h. The beginning of the disturbance may have been missed in consequence. In D there was a rapid decrease of $22'$ from 20^h to $20\frac{1}{2}^h$, followed by a number of oscillations until $14^d.0^h$, after which a steady increase restored the normal value by $14^d.1\frac{1}{2}^h$. In H oscillation was both greater and more irregular. The largest wave occurred between $13^d.22\frac{3}{4}^h$ and $14^d.1^h$ and corresponded to $+120\gamma$. V decreased 40γ between $13^d.20^h$ and $23\frac{1}{2}^h$, afterwards fluctuating about the diminished value until $14^d.6^h$. The disturbance virtually ceased at $14^d.6^h$, but considerable unsteadiness was apparent throughout the next six days. Individual movements did not exceed $10'$ in D or 60γ in H, however, while V was relatively quiescent. After a nearly quiet interval from $19^d.0^h$ to $20^d.18^h$, a period of renewed and increased unsteadiness set in, lasting until $27^d.0^h$. At $23^d.22^h$ a movement of $+75\gamma$ occurred in H and several other movements of over 50γ were shown between 21^d and 26^d, with corresponding movements in D up to $10'$. From $27^d.0^h$ to the end of the month conditions remained quiet.

The range in declination recorded during the month was from $11°.16'{\cdot}4$ on 13th to $11°.44'{\cdot}3$ on 1st; in horizontal intensity, from ·18447 on 2nd to ·18606 on 13th; in vertical intensity, from ·42934 on 2nd to ·43024 on 1st.

March.—The general characteristic of the traces during the month was a kind of undulation which was more or less regular and persisted through other and larger movements. Isolated waves occurred in H or D on most days during the first ten, but were of no special significance. More active disturbance began about $13^d.0^h$. There was a range of $30'$ in D on 13^d between 16^h and $18\frac{1}{2}^h$, and a marked surge in V ($+60\gamma$) between 14^h and 20^h. H also moved irregularly through about 80γ in the same interval. From $14^d.6^h$ to $22^d.4^h$ considerable disturbance was almost continuous. The principal movements on 14^d—15^d are reproduced in Plate II. A few of the more prominent features on the succeeding days will be mentioned. $15^d.17^h$—19^h wave in D ($-10'$); $16^d.16\frac{1}{2}^h$ wave in D ($-10'$) and in H (-60γ); $17^d.23^h$—$18^d.1^h$ wave in H ($+50\gamma$); $21^d.13^h$—16^h rapid increase in V (40γ); $21^d.17^h$—19^h wave in D ($-15'$); $22^d.1^h$—3^h wave in D ($+10'$). The period $22^d.6^h$ to $23^d.18^h$ was quiet. Further unsteadiness then set in—of the same general character as before, but of smaller range—which lasted until $28^d.0^h$. Two and a half days of quiet conditions then occurred which terminated at $30^d.12^h.14^m$ with an abrupt movement in all traces. This was followed for about two hours by rapid irregular oscillation, the ranges being greatest in H ($\pm 30\gamma$). The disturbance was quite short-lived and culminated with a wave in H (-60γ) at $14\frac{1}{2}^h$—16^h. By $31^d.12^h$ conditions were quiet again.

The range in declination during the month was from $11°.10'{\cdot}6$ to $11°.49'{\cdot}6$, both on 14th; in horizontal intensity, from ·18451 on 14th to ·18587 on 5th; in vertical intensity, from ·42943 on 15th to ·43046 on 14th.

April.—Excepting a period from 10th to 13th inclusive, the month was one of relatively quiet conditions. From $8^d.12^h$ there was some unsteadiness which increased between $9^d.2^h$ and 6^h (when there was also a temporary decrease of 30γ in V) and finally, after a lull of about twenty-four hours, developed into a considerable and prolonged disturbance. The disturbance was fully active within two hours of its commencement at $10^d.10^h$. Many movements exceeded 50γ in each direction in H, the largest of them being a wave of -100γ at $11^d.10^h$—12^h. The movements in D and V were less pronounced, but there was a range of $28'$ between $10^d.15^h$ and $20\frac{1}{2}^h$ in D, and V rose and fell 70γ between $10^d.13^h$ and $11^d.2^h$. A notably rapid increase in V (40γ) took place at $11^d.14\frac{3}{4}^h$ and was accompanied, by associated movements in the other two traces, $-15'$ in D and a wave in H (-70γ). Further prominent movements in the H trace occurred at $11^d.23\frac{1}{2}^h$ and at $12^d.16\frac{1}{2}^h$. The disturbance declined after $13^d.6^h$ and had practically died out by $14^d.0^h$. The traces are reproduced in Plates III and IV. Isolated bays appeared in one or more traces on 16th, 18th, 20th, 24th.

With these exceptions the conditions were increasingly steady, a state of almost complete quiescence being reached on 26th. This was maintained until $30^d.8^h$ when signs of unsteadiness once again made their appearance. At intervals during the month the slight continuous undulation mentioned in March recurred. The dates on which this was most in evidence were 3rd, 8th, 10th, 15th, 18th and 29th.

The range in declination during the month was from 11°.20′·1 to 11°.48′·7, both on 10th; in horizontal intensity, from ·18385 to ·18589, both on 11th; in vertical intensity, from ·42941 on 30th to ·43029 on 10th.

May.—At $1^d.12^h.48^m$ there was a sudden movement in all traces leading a short period of considerable activity—chiefly in H, which varied over a range of 130γ in two hours. Further activity developed at $1^d.23^h$ and lasted until $2^d.4^h$. In this case D and V were chiefly affected, being temporarily diminished by 15′ and 30γ, respectively, while all traces showed rapid minor oscillation, not only during the disturbed period, but for roughly thirty hours beyond it. The traces are reproduced in plate V. The conditions then became practically quiet and so remained until $10^d.11^h$, though slight continuous undulation appeared in the early hours of 7th and 8th. During the remainder of the month there was general unsteadiness, varying in amplitude, but seldom dying out altogether. A prominent surge in H (+70γ) occurred at $10^d.16^h$—18^h and a steep wave (+60γ) at $12^d.21\frac{1}{2}^h$. At $20^d.2^h$—4^h a wave in D (+15′) was followed at 3^h—5^h by a wave in V (−35γ). At $20^d.5\frac{1}{2}^h$ H diminished 80γ in 100 minutes. Undulation was present on 12th, 13th, 21st and 27th to 30th. The quietest days after 10th were 17th and in the period 23^d to 28^d.

The range in declination during the month was from 11°.7′·8 to 11°.45′·1 both on 1st; in horizontal intensity, from ·18462 on 1st to ·18604 on 12th; in vertical intensity, from ·42931 on 20th to ·42999 on 10th.

June.—The first three days were quiet. Irregular oscillation began at $4^d.0^h$ and later merged into slight general unsteadiness which lasted till $7^d.12^h$. Then began a period of moderate disturbance extending, with a relatively quiet interval $11^d.0^h$—12^h, over four and a half days. The movements were greatest during the earlier stages. There were many oscillations in H between $7^d.12^h$ and 23^h—several over 60γ in either direction, the largest being +120γ at $7^d.22\frac{1}{2}^h$. V showed a general increase of 70γ between $7^d.14^h$—19^h and then an oscillatory decline of 90γ between 19^h and 23^h, after which it fluctuated irregularly until $8^d.3^h$, finally increasing 40γ between $8^d.3^h$ and 5^h. D was approximately 20′ below normal value from $7^d.23^h$ to $8^d.3^h$. The traces are reproduced in Plate VI. Movements were still vigorous in H during the latter halves of 9th, 10th and 11th, there being a range of over 150γ within three hours on the last named day. Corresponding to these there was a temporary general increase in V of about 50γ each day. On 12th, 13th and 14th there was some unsteadiness with minor oscillation in the traces, followed by two days of practically quiet conditions. Unsteadiness was resumed on 17th, and for a period between $18^d.13^h$ and 21^h was marked by prominent oscillation in all traces, and a general increase in H and V amounting to 100γ and 80γ, respectively. A large double wave in H at $18^d.18\frac{1}{2}^h$ showed a range of 120γ in about 15 minutes. V declined rapidly after this movement and was normal again by 22^h. Unsteadiness or minor oscillation, or both, prevailed to a certain extent through the remainder of the month. The period 22^d to 27^d was, however, a relatively quiet one.

The range in declination during the month was from 11°.8′·7 on 8th to 11°.44′·2 on 18th; in horizontal intensity, from ·18437 on 8th to ·18641 on 11th; in vertical intensity, from ·42926 on 8th to ·43053 on 18th.

July.—There was no disturbance of considerable dimensions during the month, but the general condition was by no means quiet. Small nearly regular undulation appeared at frequent intervals. An abrupt movement in all traces occurred at $7^d.21^h.10^m$ (+50γ in H). It was not followed, however, by anything more than marked unsteadiness, although H diminished 90γ between $8^d.6^h$ and 8^h. Other days on which there was slightly increased activity were 14th, 19th, 22nd. The most active period in the month was that between $24^d.20^h$ and $25^d.4^h$. There were several waves during this period exceeding 50γ in the H trace—one at $24^d.23^h$ was +80γ—and V was similarly affected, the largest wave in this case being at $25^d.1^h$ (−35γ). The traces are reproduced in Plate VII.

The range in declination during the month was from 11°.18′·4 on 24th to 11°.42′·4 on 1st; in horizontal intensity, from ·18451 on 25th to ·18625 on 24th; in vertical intensity, from ·42938 on 21st to ·43013 on 25th.

August.—Quiet conditions prevailed during the first half of the month, there being scarcely any noteworthy movements before 19th. Slight unsteadiness was shown on 5th and 6th and again on 15th and 16th. The period from $19^d.12^h$ to $23^d.12^h$ was rather more disturbed, but few of the irregularities exceeded 20γ. After $23^d.12^h$ there was a return to the moderately quiet conditions with which the month opened and these persisted until the end with the exception of a brief interval lasting from $27^d.17^h$ to $27^d.22^h$. This was remarkable for a few brisk oscillations in H preceded by an abrupt movement in all traces at $27^d.17^h.32^m$, resembling the "sudden commencement" of a disturbance.

The range in declination, during the month was from 11°.20′·7 on 25th to 11°.39′·8 on 19th; in horizontal intensity, from ·18479 on 23rd to ·18606 on 27th; in vertical intensity, from ·42935 on 5th to ·43004 on 28th.

September.—During the first hour of the month all traces moved sharply, a wave of +60γ in H being accompanied by a decrease of 25γ in V. Similar movements followed about three hours later, after which quiet conditions set in until $4^d.18^h$. There were periods of unsteadiness at intervals between $4^d.18^h$ and $10^d.0^h$, but no disturbance of importance. By $10^d.18^h$ activity was pronounced in all traces, and gradually increased to the dimensions of a moderate storm. The later and most active stages are illustrated in Plate VIII. The disturbance died away with great rapidity between $12^d.6^h$ and 7^h. After a short quiet interval fresh activity was registered at $15^d.21^h$, preceded, eight hours earlier, by an increase of 40γ in V. During the next three days several movements exceeded 50γ in H and 10′ in D, while the daily range in V averaged about 50γ. A further short interval of quiet then occurred, terminated at $23^d.11^h$ by the commencement of the second active period of the month. This activity lasted until $26^d.18^h$ and was characterised by the large number of small oscillations superposed on the major movements of the traces. During the early stages there was a steady increase in V of about 70γ, and several violent fluctuations in H occurred between $23^d.12\frac{1}{2}^h$ and 16^h. Later in the disturbance H diminished 120γ between

$25^d.6\frac{3}{4}^h$ and 9^h, while a range of 20′ in D occurred between $25^d.2\frac{1}{2}^h$ and 4^h. Activity gradually declined after $26^d.6^h$ to a condition of moderate unsteadiness. Fresh activity developed about $30^d.12^h$. A general decrease of 20′ in D took place between 15^h and 23^h and was accompanied by movements ranging through 100γ in H and 50γ in V, but by midnight the disturbance was virtually over.

The range in declination during the month was from 11°.11′·8 to 11°.45′·2, both on 11th; in horizontal intensity, from ·18389 on 25th to ·18650 on 11th; in vertical intensity, from ·42927 on 12th to ·43037 on 25th.

October.—There was a little unsteadiness during the evenings of 1st and 2nd, and a few isolated movements occurred on succeeding days, but conditions were relatively quiet in general until 8th. Unsteadiness then became persistent, and gradually increased until 11th, on which day there were waves exceeding 10′ in D and 50γ in H. On 12th, 13th and 14th a large number of quite small oscillations appeared in all traces, superposed later on larger movements. A period of minor general disturbance lasted from $15^d.0^h$ to $20^d.9^h$ and then developed to one of marked activity. The climax was reached about $21^d.18^h$—24^h, during which interval several movements exceeding 15′ in D were recorded and the range in H exceeded 100γ. By $22^d.12^h$ there was a return to slight general unsteadiness, interrupted between $24^d.6^h$ and 18^h by a series of rather sharp movements. During this period of twelve hours H was specially affected, ranging through 120γ, but V also rose and fell about 60γ in the latter half. The traces are reproduced in plate IX. A short disturbance extending from $25^d.19^h$ to $26^d.1^h$ included a conspicuous wave in D (−15′) and was followed by a train of continuous small waves in H lasting about ten hours. From $27^d.0^h$ until the end of the month all traces were subject to nearly continuous minor disturbance, this being particularly marked between $28^d.16^h$ and 23^h. The only period in the whole month which could be described as really quiet was from $5^d.10^h$ to $6^d.22^h$.

The range in declination during the month was from 11°.4′·7 on 21st to 11°.43′·6 on 20th; in horizontal intensity, from ·18410 on 24th to ·18578 on 21st; in vertical intensity, from ·42958 on 18th to ·43075 on 24th.

November.—From 1st to 3rd small irregular movements were frequent, the most prominent being at $3^d.0^h$. A brisk little disturbance—the most active in the month—took place between $5^d.16^h$ and $6^d.8^h$ and included several waves of about 10′ in D, with some exceeding 50γ in H. The period from $6^d.12^h$ to $11^d.18^h$ was quiet. Activity began during the evening of 11th and increased during the 12th. A rise of over 50γ in V between $12^d.13^h$ and $12^d.17^h$ and a conspicuous wave in D (−18′) at $12^d.23^h$ were the chief features. Activity slowly subsided after $14^d.0^h$ and relative quiet was restored at about $15^d.8^h$. A further period of general unsteadiness began at $18^d.12^h$ and lasted until $21^d.18^h$. This was followed by another nearly quiet interval of six days. At $27^d.18^h$ a prominent but isolated movement occurred in all traces: −12′ in D, −80γ in H and +30γ in V. There was no other movement of note until $29^d.20^h$, when a period of small and rather rapid irregular oscillation set in, which lasted over the end of the month.

The range in declination during the month was from 11°.8′·2 to 11°.35′·9, both on 12th; in horizontal intensity, from ·18443 on 27th to ·18592 on 5th; in vertical intensity, from ·42973 on 11th to ·43041 on 12th.

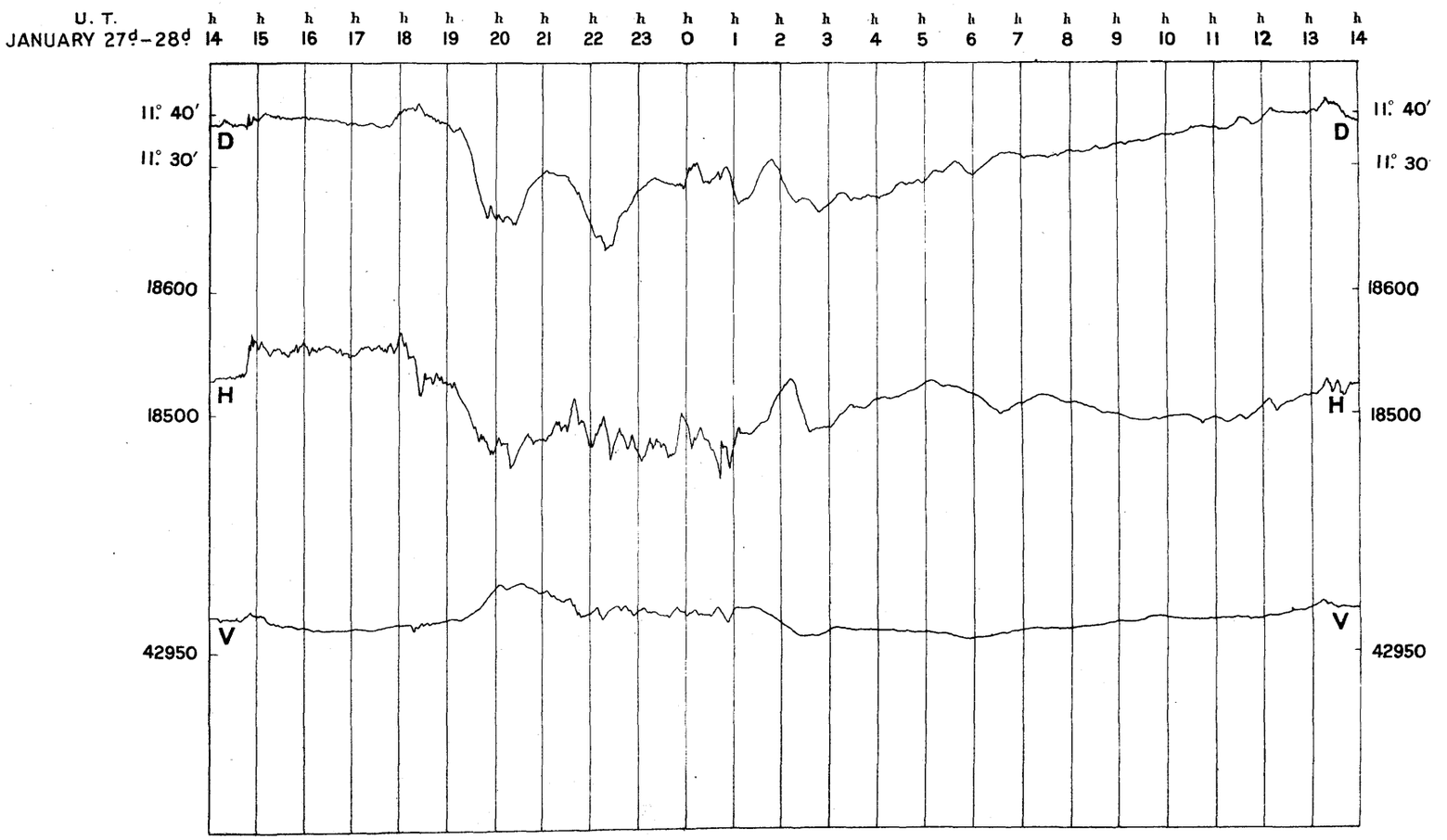
December.—During the first three days there was considerable unsteadiness in all traces. At $1^d.16\frac{1}{2}^h$ movements of −10′ in D and −60γ in H occurred, and a further movement of +60γ in H took place at $2^d.13^h$. Other prominent waves appeared at $3^d.0^h$ and $3^d.16^h$. Irregular minor oscillation was general on most days of this month; but after 3rd no conspicuous movement was apparent until $11^d.22^h$, when there was a wave in D (−10′). Unsteadiness then increased somewhat until the beginning of a moderate disturbance at $14^d.14\frac{1}{2}^h$. The disturbance did not last for more than about twelve hours. The principal movements occurred at $14^d.23^h$ and were a wave in D (−15′) and a wave in H (+90γ). Considerable unsteadiness persisted for two more days and then declined to an occasional isolated wave. The period from $21^d.0^h$ to $24^d.20^h$ was practically quiet. General unsteadiness then set in which rapidly increased during 26th. On 27th and 28th several movements approaching 10′ in D and exceeding 50γ in H were shown. The unsteadiness diminished after 28th but did not wholly disappear before the end of the month.

The range in declination during the month was from 11°.9′·1 on 14th to 11°.34′·4 on 26th and 28th; in horizontal intensity, from ·18446 to ·18574, both on 16th; in vertical intensity, from ·42981 on 12th to ·43036 on 27th.

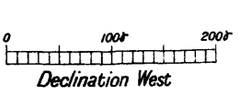
The absolute maximum and minimum values respectively of the elements, recorded during the year were:
Declination, 11°.49′·6 on March 14th; 11°.4′·7 on October 21st.
Horizontal intensity, ·18650 on September 11th; ·18385 on April 11th.
Vertical intensity, ·43075 on October 24th; ·42926 on June 8th.

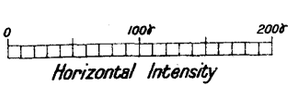
Plate I.

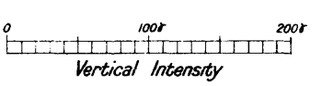
MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



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







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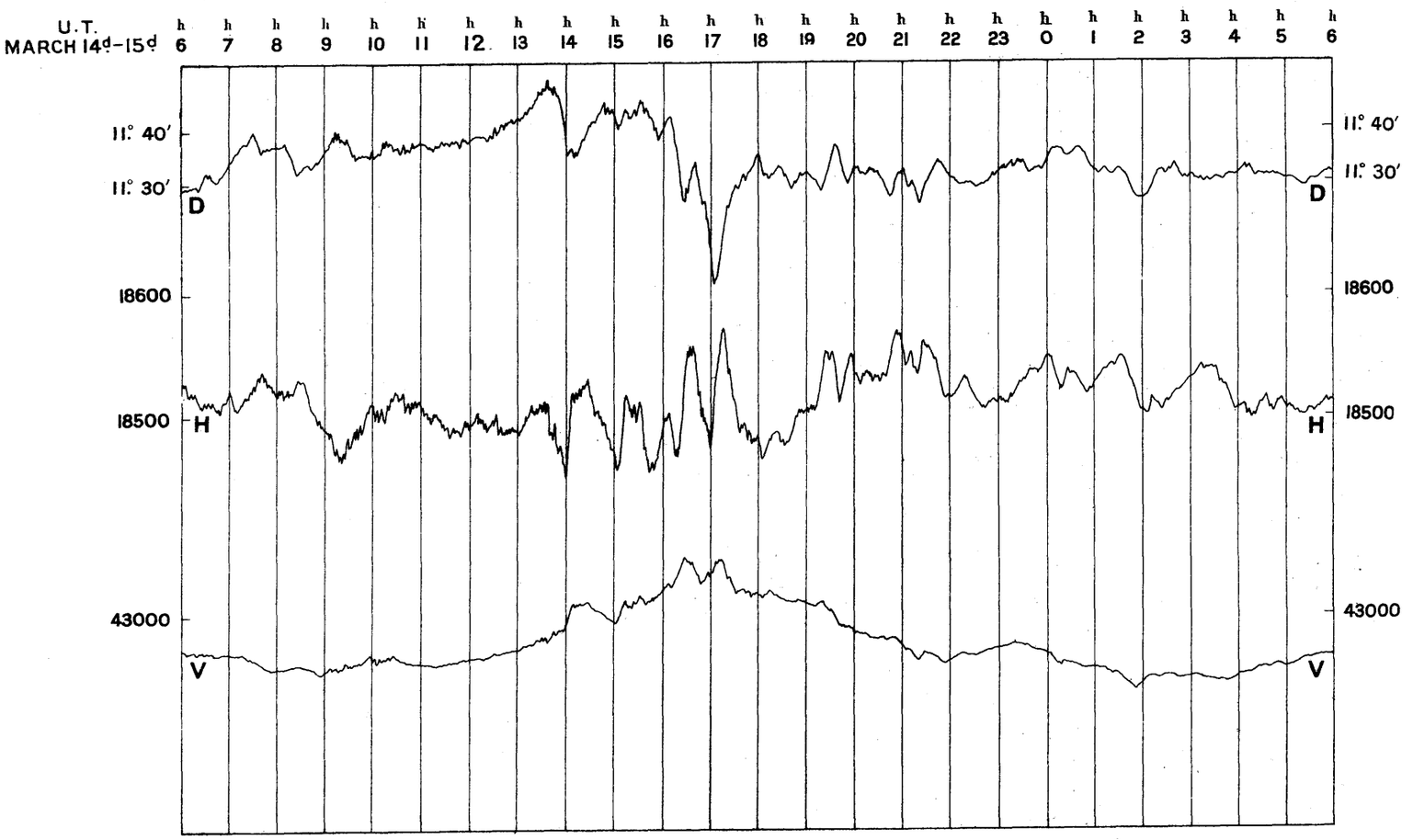
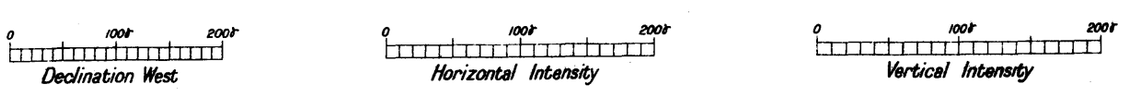
Malby & Sons, Lith.

Plate II.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



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



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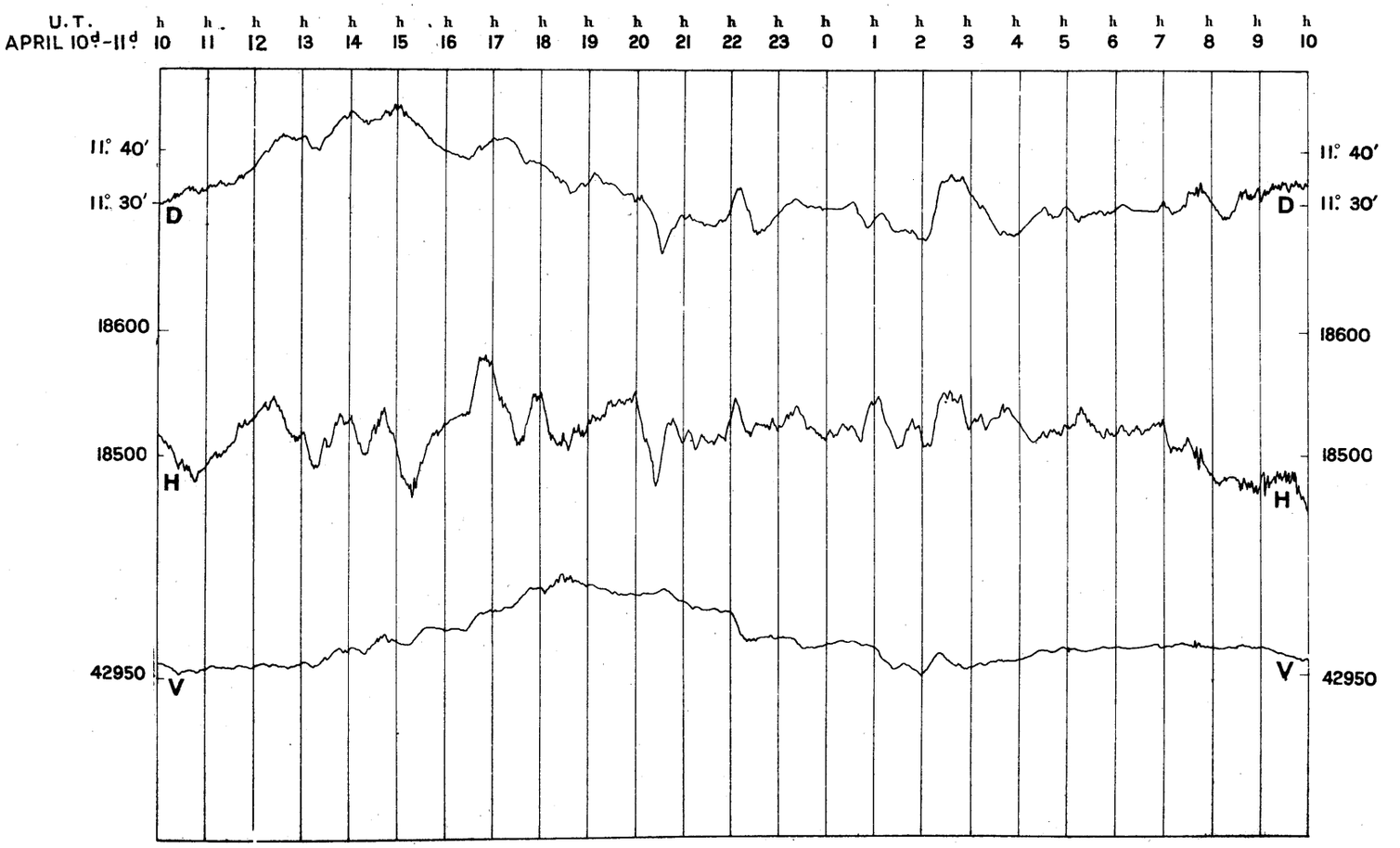

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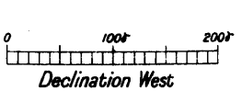
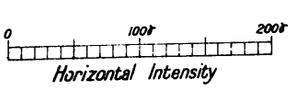




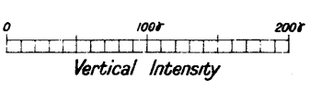
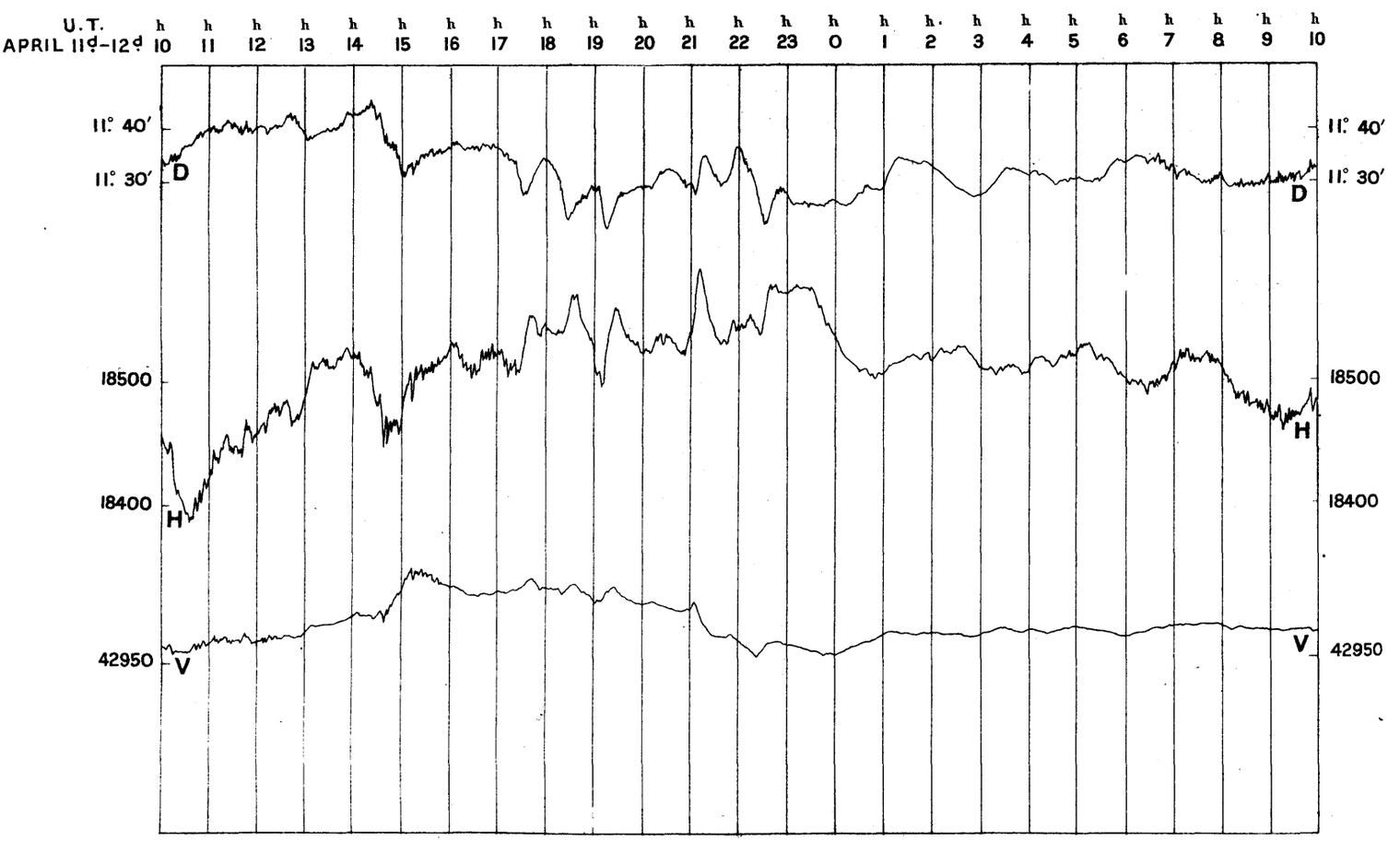
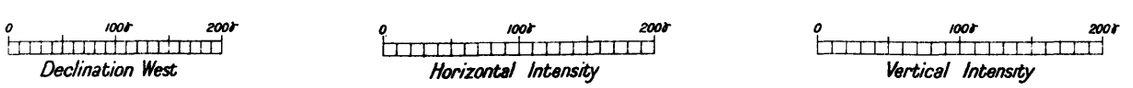


Plate IV.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



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



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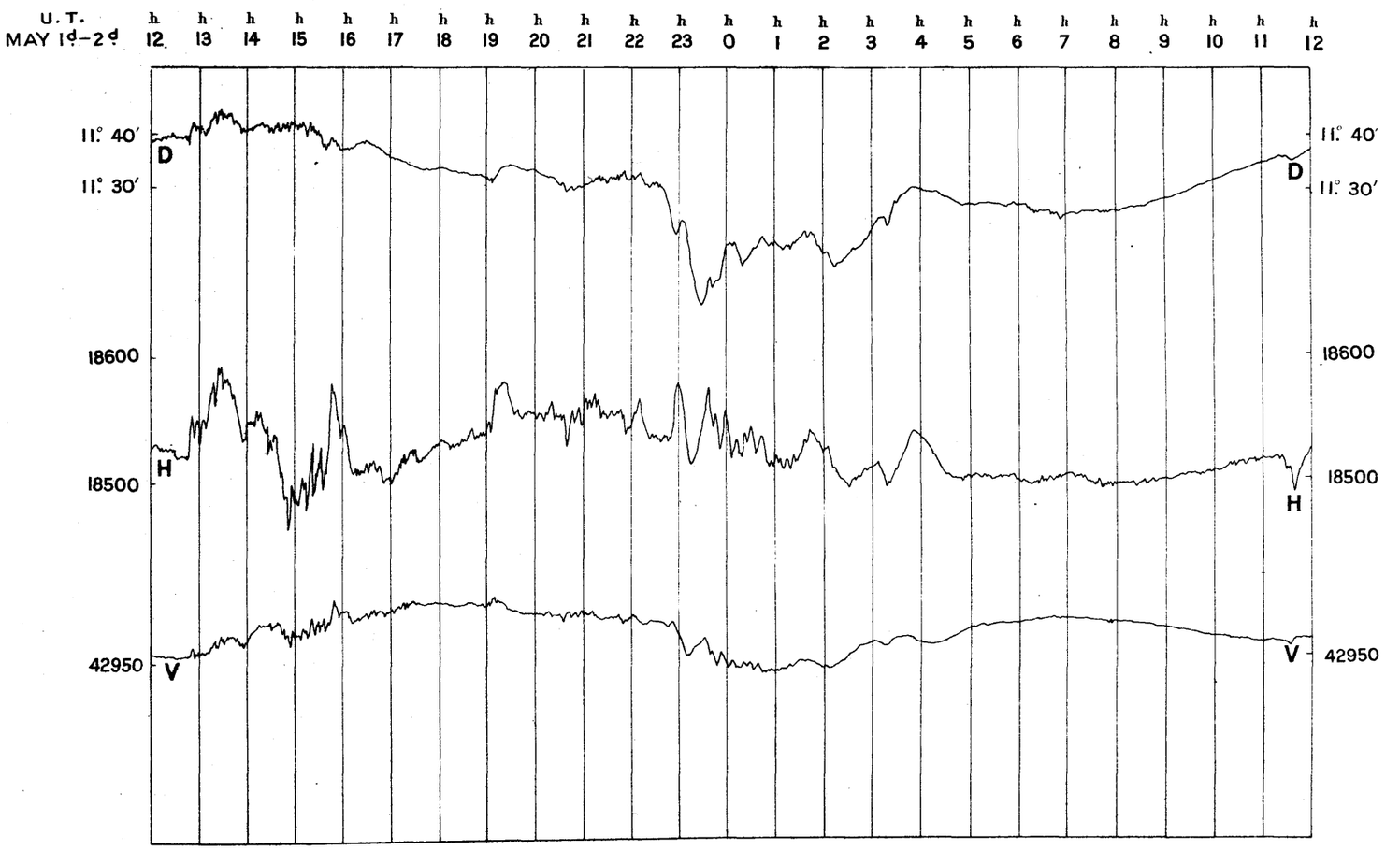
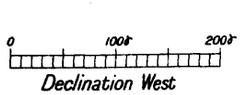
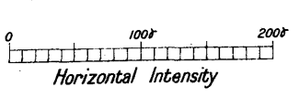


SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.





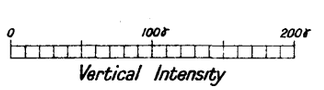
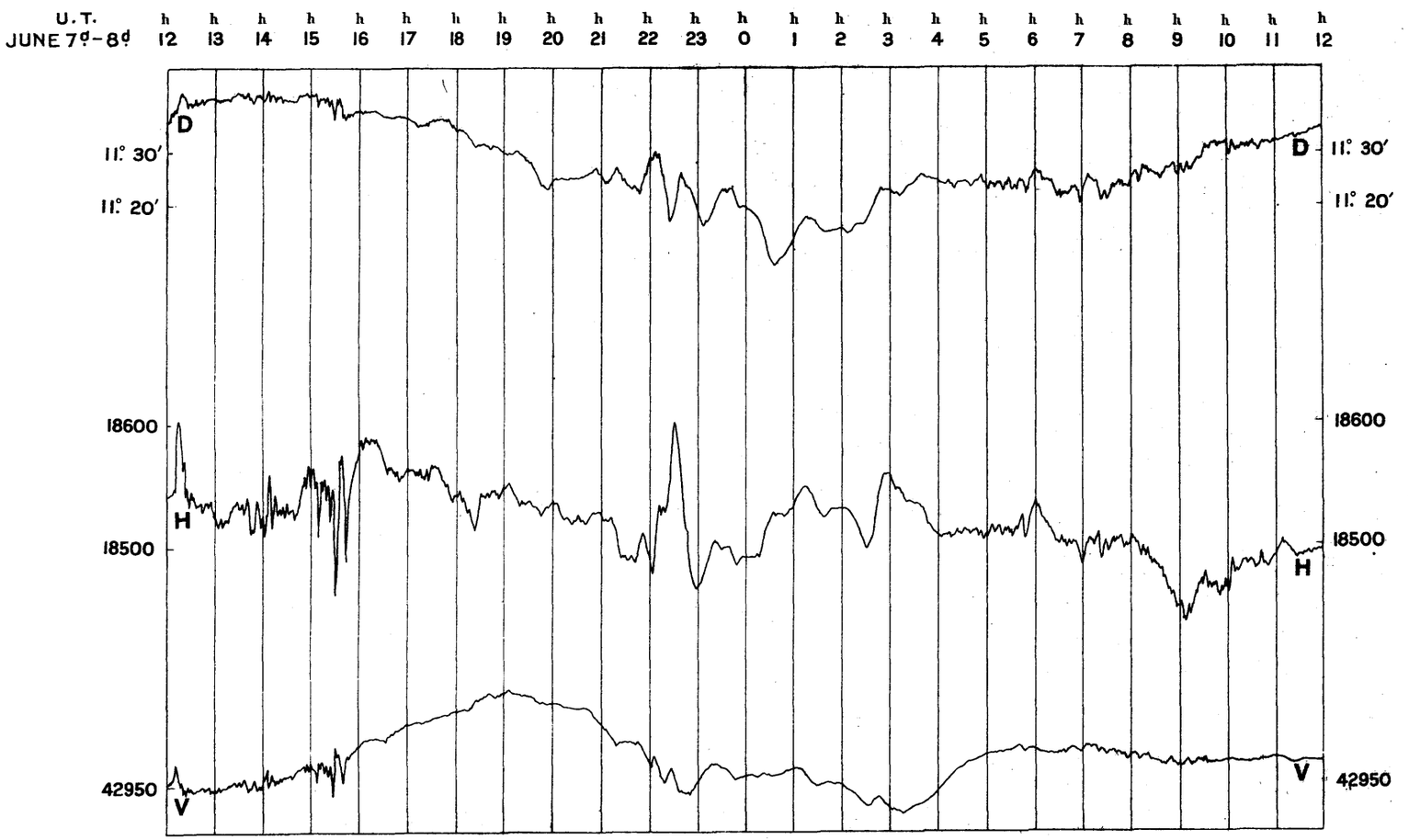
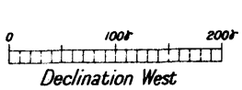


Plate VI.

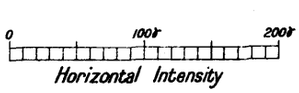
MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



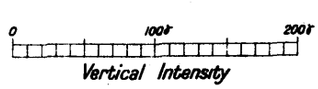
SCALES FOR MAGNETIC ELEMENTS IN C.G.S. UNITS.



Declination West



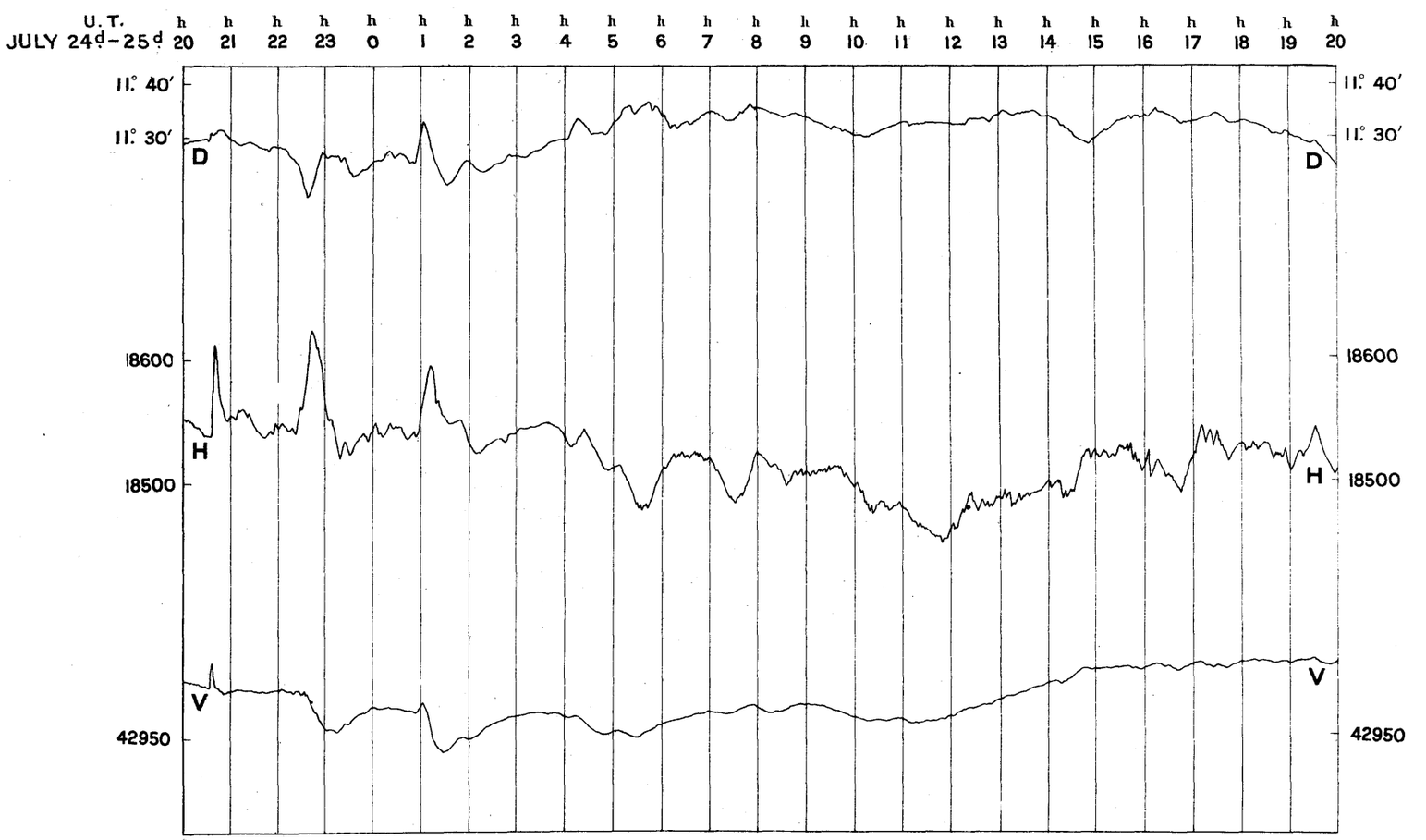
Horizontal Intensity



Vertical Intensity

Plate VII.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



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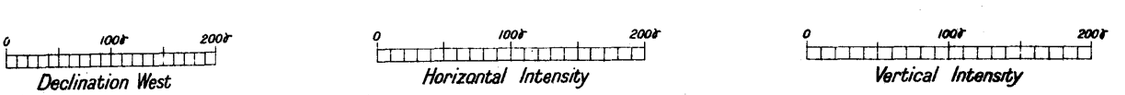
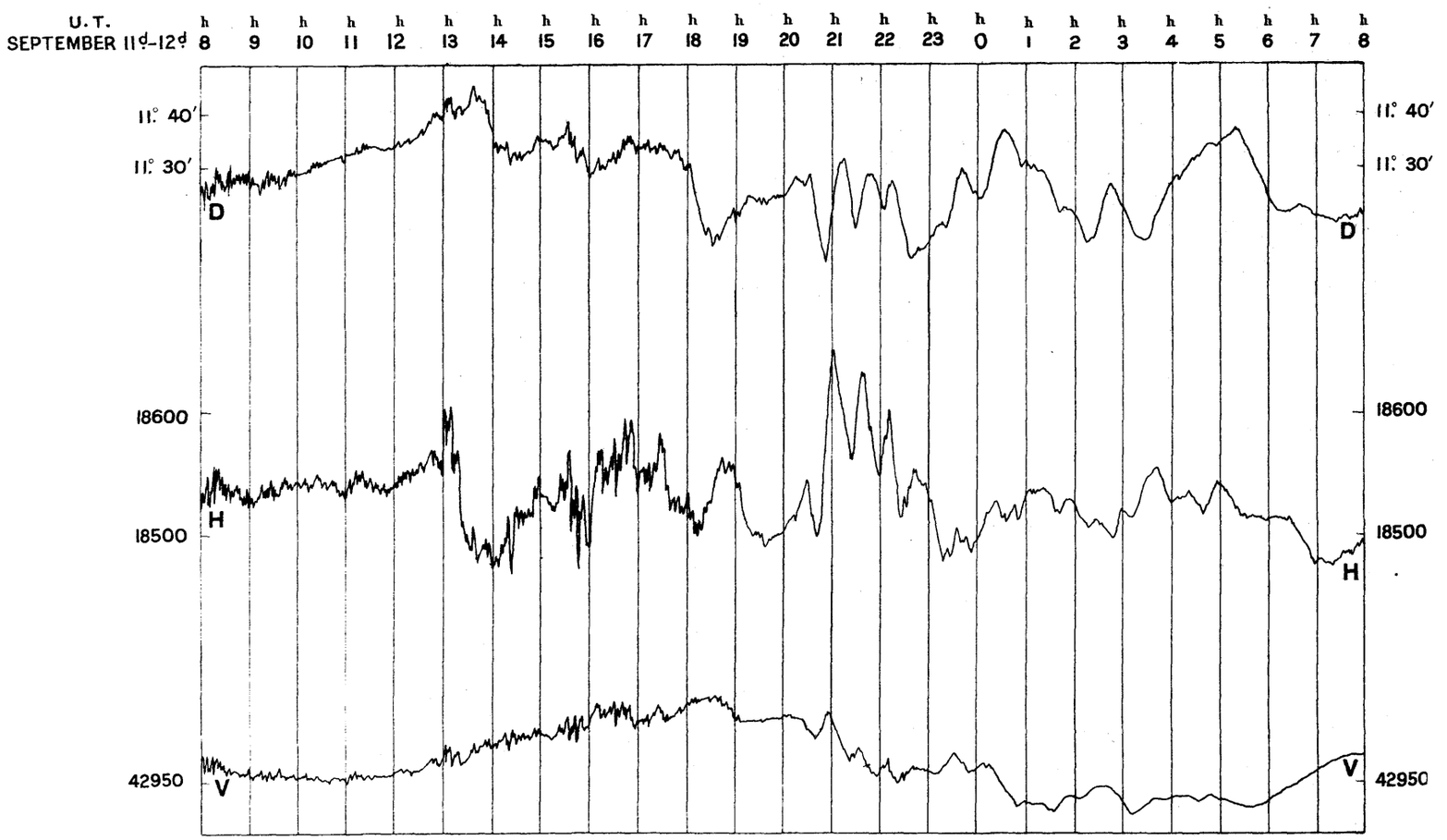


Plate VIII.

MAGNETIC DISTURBANCES AS RECORDED AT THE ABINGER MAGNETIC STATION IN THE YEAR 1935.



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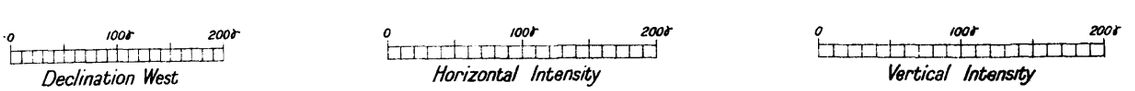

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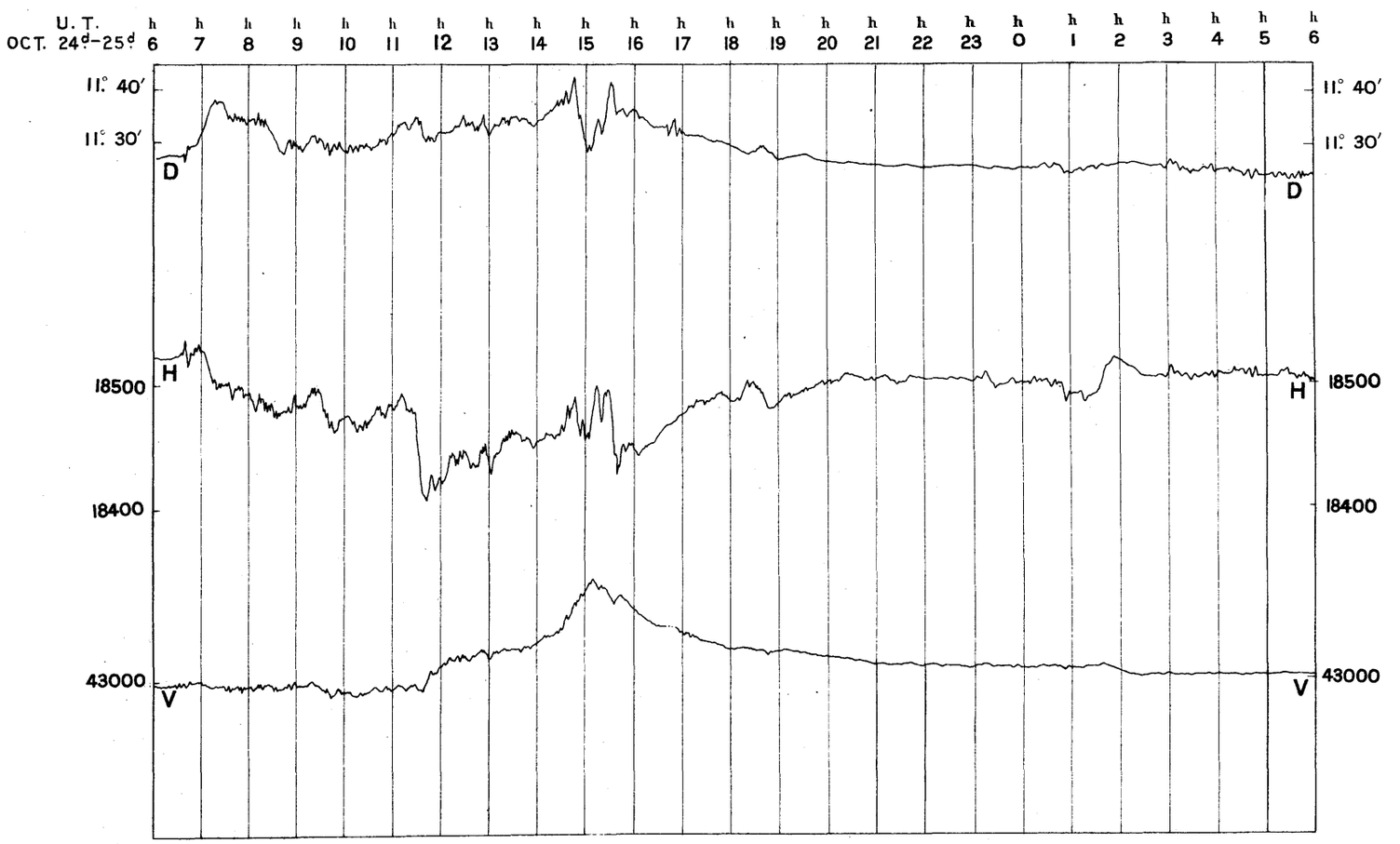

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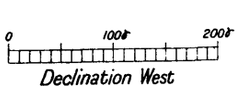

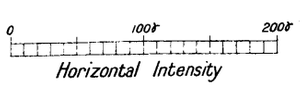

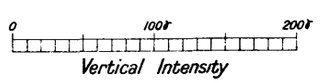

GREENWICH METEOROLOGICAL OBSERVATIONS, 1935.

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 1935.

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 $-0°{\cdot}4$ 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 $-0°{\cdot}2$ 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 1935 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 ten selected sunshine cards taken from the months of January, July and September, 1935, have been made at the Meteorological Office. These showed general agreement with the Greenwich estimations, though the latter, on two days of very intermittent sunshine, showed an excess of more than five per cent. of the total given as 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 deduced 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 $0^{in.}\cdot005$.

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 $_0$ indicates " slight "
A letter repeated indicates " continuous "

CLOUD FORMS (*)

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

ADDITIONAL SYMBOLS

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

H. SPENCER JONES,
ASTRONOMER ROYAL.

1936, *April* **23.**

ROYAL OBSERVATORY, GREENWICH.

Results of Meteorological Observations

1935

MONTH and DAY, 1935.	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	29·964	53·7	47·8	5·9	50·4	+11·8	49·5	48·6	1·8	4·8	0·9	93	53·7	44·8	48·3	0·161	0·0	7·9
2	30·190	53·5	49·0	4·5	51·7	+13·3	51·0	50·4	1·3	2·9	0·3	95	53·8	48·0	48·4	0·114	0·0	7·9
3	30·285	51·5	47·4	4·1	50·5	+12·2	49·0	47·4	3·1	5·2	1·4	89	52·8	45·9	48·6	0·004	0·0	7·9
4	30·039	47·6	43·7	3·9	45·9	+ 7·6	42·7	38·5	7·4	11·3	3·6	75	54·8	38·5	48·7	0·000	2·0	8·0
5	29·886	44·2	37·9	6·3	41·1	+ 2·9	37·3	31·1	10·0	12·8	8·1	67	51·5	31·8	48·6	0·000	0·3	8·0
6	29·734	41·0	34·2	6·8	37·8	− 0·3	35·9	32·8	5·0	7·7	2·3	82	49·2	27·4	48·3	0·044	0·2	8·0
7	29·845	37·1	33·2	3·9	35·4	− 2·6	34·4	32·7	2·7	3·3	0·8	90	41·5	27·7	48·1	0·023	0·0	8·0
8	30·045	37·6	28·0	9·6	34·7	− 3·2	34·1	33·1	1·6	3·2	0·8	94	48·2	27·1	48·1	0·000	0·0	8·1
9	30·219	35·2	26·8	8·4	31·1	− 6·8	30·8	30·1	1·0	3·6	0·3	96	38·8	26·4	47·7	0·000	0·0	8·1
10	30·295	43·8	34·8	9·0	39·1	+ 1·2	37·5	35·2	3·9	6·9	1·5	86	62·3	32·8	47·3	0·000	0·7	8·1
11	29·994	46·1	37·3	8·8	42·1	+ 4·2	40·5	38·3	3·8	8·4	1·6	86	52·9	35·4	47·1	0·251	0·0	8·2
12	29·700	38·7	32·1	6·6	36·5	− 1·4	34·2	30·0	6·5	8·5	3·0	77	47·2	27·6	46·8	0·005	1·7	8·2
13	29·742	42·0	31·7	10·3	36·6	− 1·4	35·5	33·6	3·0	5·9	0·2	89	48·8	27·2	46·8	0·042	0·7	8·2
14	29·852	52·0	42·0	10·0	48·9	+10·9	46·6	44·1	4·8	7·8	0·2	83	57·8	40·9	46·7	0·030	0·0	8·3
15	30·285	48·3	38·9	9·4	44·5	+ 6·4	43·4	42·1	2·4	4·5	1·0	91	52·5	29·6	46·3	0·001*	0·0	8·3
16	30·417	47·0	34·6	12·4	42·4	+ 4·1	41·3	39·8	2·6	5·1	0·7	91	51·0	28·9	46·2	0·000	0·0	8·3
17	30·405	46·1	41·6	4·5	43·4	+ 4·9	41·8	39·7	3·7	7·0	0·7	87	67·2	37·1	46·2	0·004	0·7	8·4
18	30·438	43·7	39·8	3·9	41·9	+ 3·3	39·4	35·6	6·3	8·7	2·5	78	55·8	37·9	46·2	0·000	0·1	8·4
19	30·469	41·6	36·2	5·4	40·1	+ 1·4	38·3	35·7	4·4	6·4	1·5	84	45·8	28·7	46·1	0·000	0·0	8·5
20	30·498	42·9	37·5	5·4	40·4	+ 1·6	38·5	35·7	4·7	6·0	1·8	83	59·7	34·0	46·0	0·000	0·1	8·5
21	30·467	43·4	40·3	3·1	41·7	+ 2·9	40·3	38·4	3·3	5·2	1·4	88	48·5	37·5	46·1	0·011	0·0	8·5
22	30·413	48·1	40·1	8·0	43·2	+ 4·4	40·8	37·3	5·9	7·9	1·8	80	61·9	32·3	46·1	0·016	0·0	8·6
23	30·339	45·0	39·0	6·0	42·4	+ 3·5	40·0	36·4	6·0	7·8	3·1	79	49·1	32·6	46·1	0·000	0·0	8·7
24	30·080	47·2	36·4	10·8	43·0	+ 4·1	41·7	39·9	3·1	4·5	0·9	89	49·6	29·1	46·1	0·035	0·0	8·7
25	29·217	49·8	33·9	15·9	44·1	+ 5·0	41·8	38·7	5·4	11·8	3·3	81	56·8	30·8	46·0	0·154	0·2	8·8
26	29·288	41·5	32·6	8·9	36·8	− 2·5	34·5	30·3	6·5	14·5	1·8	77	45·6	30·5	45·9	0·103	0·0	8·8
27	29·847	36·1	30·4	5·7	33·4	− 6·1	32·4	30·6	2·8	5·8	1·0	90	60·8	27·7	45·7	0·174	1·6	8·9
28	30·093	36·6	26·6	10·0	31·4	− 8·2	29·5	25·6	5·8	10·5	1·5	79	60·6	21·6	45·6	0·000	—	—
29	30·108	37·4	25·4	12·0	31·7	− 8·0	30·6	28·4	3·3	11·3	0·4	88	54·3	19·1	45·2	0·000	2·9	9·0
30	30·006	41·9	30·0	11·9	36·3	− 3·4	35·3	33·5	2·8	5·6	0·3	90	49·7	23·3	45·0	0·032	0·5	9·0
31	29·935	45·7	41·3	4·4	43·1	+ 3·4	40·3	36·3	6·8	10·6	1·1	77	70·2	35·1	44·9	0·050	3·8	9·1
Means	30·068	44·1	36·5	7·6	40·7	+ 2·1	39·0	36·4	4·2	7·3	1·6	85·0	53·3	32·2	46·7	Sum 1·254	0·5	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.

*Rainfall (Column 16). The amount entered in January 15 is derived from dew.

The mean reading of the *Barometer* for the month was 30·068in., being 0·267in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 53°·7 on January 1; the lowest in the month was 25°·4 on January 29; and the range was 28°·3.
The mean of all the highest daily readings in the month was 44°·1, being 1°·0 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 36°·5, being 2°·8 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 7°·6, being 1°·8 less than the average for the 65 years, 1841–1905.
The mean for the month was 40°·7, being 2°·1 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
Jan. 1	0·0	0·00	0·0	0·00	WSW	WSW : NW : NNW	1·5	0·20	317	c r$_o$	c i r r$_o$ m	r$_o$ r$_o$ r i r$_o$ m	d$_o$ d$_o$ m$_o$
2	0·0	0·00	0·0	0·00	Calm : NW	NNW	1·1	0·08	212	c r$_o$ r m$_o$	o d$_o$ r r$_o$ f m	o d$_o$ d$_o$ m	o d$_o$ d$_o$ m$_o$
3	..	..	..	..	NNW : WNW	WNW : W	1·4	0·07	254	o d$_o$ d$_o$ m$_o$	o *Ast* m$_o$	o c *Stcu* m$_o$	c
4	8·0	0·58	6·9	0·50	WNW : NW	NW : NNW	6·7	1·12	402	c b	b c m$_o$	c b *Frcu* m$_o$	b c
5	..	..	..	..	NW	NNW	4·5	0·51	340	c	bc c *Ci Frcu*	c *Frcu* m$_o$	c
6	3·3	0·24	2·4	0·17	NNW : N	N	2·0	0·26	292	c b x	c d$_o$ m$_o$	c *Acu* r d$_o$ m$_o$	c d$_o$ p
7	0·8	0·06	0·2	0·01	N	N : NNE	1·0	0·15	258	c b x c	c b c m	c *Nbst* rs r c m	c m
8	4·2	0·30	3·1	0·22	NE : ENE	Calm	0·6	0·01	193	c d$_o$ o	o c *Stcu* m f	c *Stcu* f	c b x m$_o$ f
9	0·9	0·07	0·6	0·04	Calm	Calm	0·0	0·00	129	FF x	F c *Acu* f	c *Stcu* f	c f d$_o$ c m
10	8·7	0·63	7·5	0·55	SW : SSW	SSW	1·3	0·13	249	c m$_o$	c *Stcu* m$_o$	c *Stcu* b c m$_o$	c b
11	9·6	0·70	8·8	0·64	SSW	SSW : WSW	10·3	1·53	421	b c d$_o$	d$_o$ r c *Stcu*	c r$_o$	rs R b
12	12·5	0·94	11·7	0·88	WSW : WNW	NW : WNW	9·7	1·09	409	b c	c r$_o$ s$_o$ bc m	c *Stcu* b c m$_o$	bc m$_o$ b x
13	0·0	0·00	0·0	0·00	WSW	WSW : Calm	0·2	0·01	227	b x	c b f	b c d$_o$ f	d$_o$ f dd m
14	0·3	0·02	0·3	0·02	NW : NNW	NNW : N	3·0	0·36	335	dd c m	c *Stcu* m$_o$	c *Stcu* m$_o$	c m$_o$
15	7·7	0·58	6·0	0·45	N : NW	NW : Calm	0·1	0·02	192	c b w c	c b f	b f m	f F c m w
16	2·7	0·20	2·5	0·19	WSW : Calm	NW : NNW	0·2	0·01	203	c w m$_o$	o g f	o f c *Acu* b m	b m c F m w
17	0·5	0·04	0·5	0·04	N : NNE	NNE	3·2	0·29	300	c m$_o$ w	c m c *Frcu*	c *Frcu*	c d d$_o$
18	0·0	0·00	0·0	0·00	NNE : NE	NE	3·7	0·46	347	d$_o$ c	c *Stcu*	c *Stcu*	c
19	1·7	0·13	0·3	0·02	NE	NE : ENE	1·3	0·17	261	c	c *Stcu*	c d$_o$ c	c w m$_o$
20	0·0	0·00	0·0	0·00	NE : NNE	NNE	1·6	0·08	225	c	c o c *Stcu* m	c d$_o$ m$_o$	d$_o$ c m$_o$
21	0·4	0·03	0·1	0·01	N	NNE : N	1·9	0·23	276	c o d$_o$ m	c d$_o$ m	c *Nbst* d$_o$ m$_o$	c m$_o$
22	3·4	0·26	1·5	0·12	N : NNE	N	1·6	0·14	240	c i d	c i d c *Stcu* m	c *Acu* b m	b c m
23	10·2	0·78	9·4	0·72	Calm : NW	W : WSW	1·0	0·07	229	c m	c m	c b c f	c bc f
24	0·5	0·04	0·3	0·02	WSW	WSW	5·2	0·30	323	bc w	c d f	c *Nbst* r$_o$ d m	c
25	8·3	0·64	7·5	0·57	WSW : W	W	16·0	2·70	579	c	c q r c	c q r bc	b c rs c
26	5·4	0·43	4·3	0·35	W : N	N	17·0	3·23	543	bc q	c i r$_o$ s$_o$	c *Nbst* i r$_o$ s$_o$ s	s b i s$_o$
27	9·3	0·75	9·0	0·72	N	N : NNE	4·7	1·16	418	s$_o$ s s$_o$ c	c s$_o$ c *Frcu*	c *Frcu*	s$_o$ c s b
28	6·7	0·53	3·9	0·45	NNE : N	N : Calm	1·2	0·12	237	b	b f m	b m	b c m
29	0·0	0·00	0·0	0·00	Calm	NE : Calm	0·3	0·01	159	c m x	b FF	b m$_o$ c m	c m f
30	1·7	0·13	1·3	0·11	Calm : SW	SW : WSW	0·5	0·05	232	o d ff	ff	o b c *Acu* f m	c d m
31	6·8	0·54	3·4	0·27	W : NW	NW : WNW : W	2·3	0·39	342	c r r$_o$ c m	c b *Frcu* m$_o$	b c *Stcu* m$_o$	c m$_o$
Means	3·9	0·30	3·2	0·24	..	..	..	0·48	295				
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°·0, being 1°·8 higher than
The mean *Temperature of the Dew Point* for the month was 36°·4, being 1°·3 higher than
The mean *Degree of Humidity* for the month was 85·0, being 1·8 less than
The mean *Elastic Force of Vapour* for the month was 0·215in., being 0·010in. 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 0·062. The maximum daily amount of *Sunshine* was 3·8 hours on January 31.

The highest reading of the *Solar Radiation Thermometer* was 70°·2 on January 31 ; and the lowest reading of the *Terrestrial Radiation Thermometer* was 19°·1 on January 29.

The *Proportions of Wind* referred to the cardinal points were N. 42, E. 7, S. 9, W. 28, calm or nearly calm conditions, 14, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 17·0 lbs. on the square foot on January 26. The mean daily *Horizontal Movement of the Air* for the month was 295 miles ; the greatest daily value was 579 miles on January 25, and the least daily value was 129 miles on January 9.

Rain (0·005in. or over) fell on 16 days in the month, amounting to 1·254in., as measured by gauge No. 6 partly sunk below the ground ; being 0·627in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1935.	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
Feb. 1	29·845	49·0	39·9	9·1	44·1	+ 4·5	41·3	37·4	6·7	8·9	3·7	77	54·7	34·1	44·8	0·037	0·0	9·1
2	29·674	56·8	42·9	13·9	50·0	+10·5	45·6	40·3	9·7	18·6	4·9	69	72·9	36·3	44·8	0·000	0·5	9·2
3	29·818	52·8	40·5	12·3	46·9	+ 7·4	44·0	40·5	6·4	10·0	3·2	78	66·1	35·0	44·8	0·001	0·0	9·3
4	29·721	51·2	42·0	9·2	47·6	+ 8·1	45·3	42·6	5·0	9·0	1·4	82	62·9	36·1	44·9	0·075	0·1	9·3
5	29·665	47·9	39·6	8·3	43·9	+ 4·3	40·4	35·3	8·6	14·4	3·6	71	78·0	33·3	45·1	0·044	4·0	9·3
6	29·599	42·3	35·5	6·8	39·3	− 0·3	37·0	33·3	6·0	12·9	0·6	79	48·3	33·0	45·1	0·151	0·0	9·4
7	30·148	39·8	31·9	7·9	35·3	− 4·2	31·6	24·7	10·6	17·4	2·0	65	70·8	24·8	45·1	0·000	3·8	9·5
8	30·115	37·0	29·9	7·1	33·4	− 5·9	31·3	27·2	6·2	12·8	0·3	80	66·9	24·2	44·9	0·003	0·8	9·5
9	30·082	37·1	28·3	8·8	32·2	− 6·9	30·2	26·3	5·9	14·4	0·3	79	74·6	22·0	44·7	0·000	4·9	9·6
10	30·076	41·8	32·9	8·9	37·1	− 1·8	35·2	32·0	5·1	7·9	3·6	82	47·8	31·1	44·4	0·004	0·0	9·6
11	30·026	49·4	40·5	8·9	43·8	+ 5·0	41·3	37·9	5·9	10·8	3·3	79	62·3	36·6	44·2	0·008	0·2	9·7
12	29·800	51·0	42·7	8·3	45·7	+ 6·9	43·6	40·9	4·8	8·0	2·5	83	76·7	39·3	44·1	0·004	0·5	9·8
13	29·499	51·6	42·8	8·8	47·1	+ 8·1	46·0	44·7	2·4	4·3	0·8	91	62·0	39·4	44·1	0·147	0·0	9·8
14	29·603	52·1	41·6	10·5	47·2	+ 7·9	42·6	36·3	10·9	19·3	5·1	66	94·8	36·0	44·3	0·000	5·2	9·9
15	29·715	54·5	39·1	15·4	46·7	+ 7·3	45·1	43·2	3·5	6·0	2·2	87	53·5	34·7	44·4	0·171	0·0	10·0
16	29·478	56·0	48·0	8·0	53·0	+13·5	49·3	45·4	7·6	12·5	4·4	75	81·3	43·7	44·6	0·052	1·3	10·0
17	29·941	51·9	41·4	10·5	46·0	+ 6·4	41·7	35·6	10·4	15·0	5·0	67	72·6	35·6	44·8	0·000	1·3	10·1
18	29·993	51·8	41·8	10·0	46·3	+ 6·8	43·2	39·2	7·1	12·5	4·7	76	76·3	37·2	45·0	0·000	0·3	10·1
19	29·735	50·6	44·9	5·7	47·6	+ 8·1	45·2	42·4	5·2	7·3	3·2	82	64·6	43·7	45·0	0·000	0·0	10·2
20	29·353	52·1	46·8	5·3	49·7	+10·2	47·6	45·3	4·4	7·7	2·3	85	56·0	45·1	45·1	0·118	0·0	10·3
21	29·108	51·3	41·6	9·7	47·1	+ 7·5	43·2	38·2	8·9	18·5	4·6	70	96·3	38·1	45·2	0·068	5·8	10·3
22	28·745	49·7	33·9	15·8	42·4	+ 2·7	40·1	36·7	5·7	13·4	2·4	80	84·2	29·4	45·3	0·253	0·6	10·4
23	28·832	46·7	31·1	15·6	38·0	− 1·8	35·7	31·8	6·2	12·0	3·0	78	91·2	27·8	45·3	0·000	2·9	10·5
24	28·964	47·8	29·9	17·9	40·2	+ 0·2	38·8	36·9	3·3	11·6	0·8	87	82·6	26·4	45·3	0·279	3·3	10·5
25	28·683	45·2	37·8	7·4	41·0	+ 0·9	39·2	36·7	4·3	7·0	2·9	84	60·6	35·2	45·2	0·212	0·0	10·6
26	29·436	43·7	30·0	13·7	36·8	− 3·4	33·9	28·8	8·0	15·0	2·5	72	91·3	24·2	45·1	0·000	6·4	10·7
27	29·184	47·6	34·3	13·3	39·7	− 0·6	38·1	35·9	3·8	11·8	1·7	86	74·2	29·2	45·0	0·457	0·2	10·7
28	28·960	51·6	39·2	12·4	43·1	+ 2·8	41·7	39·8	3·3	8·2	1·5	88	97·8	36·1	44·8	0·070	0·7	10·8
Means	29·564	48·6	38·2	10·3	43·3	+ 3·7	40·7	37·0	6·3	11·7	2·7	78·5	72·2	33·8	44·8	Sum 2·154	1·5	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 relates 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 29·564in., being 0·245in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 56°·8 on February 2; the lowest in the month was 28°·3 on February 9; and the range was 28°·5.

The mean of all the highest daily readings in the month was 48°·6, being 3°·4 higher than the average for the 65 years, 1841–1905.

The mean of all the lowest daily readings in the month was 38°·2, being 4°·0 higher than the average for the 65 years, 1841–1905.

The mean of the daily ranges was 10°·3, being 0°·7 less than the average for the 65 years, 1841–1905.

The mean for the month was 43°·3, being 3°·7 higher than the average for the 65 years, 1841–1905.

MONTH and DAY 1935.	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	2·7	0·21	1·4	0·11	WSW	WSW	5·5	0·77	410	c m$_o$	c i r$_o$ m$_o$	c *Nbst* dd m$_o$	c
2	..	..	..	..	WSW	NW : W	10·0	1·93	502	c	c *Frcu*	c y	c b
3	2·6	0·21	1·9	0·15	W : WSW	W : WSW	7·1	1·32	450	b c	c *Stcu* m	c *Stcu* d$_o$ m$_o$	c
4	3·1	0·25	2·4	0·19	WSW : NNW	NNW : SW	3·8	0·46	303	c d d$_o$	c r c *St* m	c b c m	c f r$_o$
5	0·0	0·00	0·0	0·00	NNW : NW	WNW : WSW	2·8	0·45	355	c b w	b m z$_o$	b c y z$_o$	c rr
6	2·7	0·22	2·0	0·16	SSW : NE	NE	12·2	2·43	493	r c r d$_o$	d c i d$_o$	c *Nbst* i r$_o$ c	c
7	8·3	0·66	6·7	0·53	NE	ENE : NNE	2·2	0·26	286	c bc	bc *Stcu* y	c s$_o$ b	b x c m$_o$
8	12·1	0·97	11·7	0·93	NNE : NE	ENE : NE	3·6	0·54	332	c s$_o$ c	c i s$_o$	c s$_o$ bc *Frcu* b	b x
9	1·2	0·10	0·4	0·04	NE	NE	1·4	0·15	276	b x	b m c *Acu*	c *Acu*	c
10	0·5	0·04	0·5	0·04	Calm : SW	WSW	0·2	0·03	220	o	o m f	o c *Acu* f	c r$_o$ d$_o$ f
11	6·2	0·52	3·7	0·31	W : WSW	WSW : SW	0·8	0·11	289	c m	o f c dd f	c *Acu* m	c b m c
12	5·7	0·48	4·1	0·34	SW	SW : WSW	4·8	0·99	417	c	c *Stcu*	c d$_o$ c b	b c d$_o$
13	7·0	0·58	6·1	0·51	SW : SSW	SW : WSW	5·1	0·43	351	c bc	c d$_o$ rr	dd d$_o$ f b m$_o$	b c *lu-ha* r$_o$
14	10·6	0·89	9·1	0·76	WSW : W	WNW : WSW	6·5	1·31	463	c b	b c *Frcu* b y	bc *Ci* b y	b c *lu-ha*
15	0·0	0·00	0·0	0·00	WSW : SSW	SW : WSW	10·0	1·80	484	b w c	c *Ast* rr	rr d$_o$d$_o$	c q
16	8·2	0·71	7·5	0·65	WSW	SW : WSW	21·0	6·48	743	c q	c *Stcu* q	c d$_o$ q	c q R c
17	6·9	0·60	5·6	0·49	NW : W	WSW	8·0	0·98	428	c b	b c *Acu* m$_o$	c m$_o$	c
18	0·0	0·00	0·0	0·00	SW	WSW : SW	5·0	0·88	376	c *lu-ha*	c *Stcu*	c *Stcu*	c
19	0·3	0·03	0·1	0·01	SW	SW : SSW	3·4	0·96	400	c	c *Stcu*	c *Ci Frst*	c r$_o$
20	3·1	0·27	1·9	0·02	SSW	SSW	15·1	3·36	555	c	c r$_o$ c	c *Nbst* r$_o$ rr q	rr d c
21	3·3	0·28	2·9	0·26	SSW : SW	WSW : SW	11·2	2·28	531	c r c	c bc *Frcu* y	bc p$_o$ b y	b c d$_o$d$_o$
22	11·2	0·98	9·5	0·82	SSW : SW	NW : WSW	7·6	1·35	412	d$_o$d$_o$ r$_o$r$_o$	r$_o$r$_o$ c *so-ha* r	c q R d$_o$ b	b c
23	..	..	..	..	WSW : W	NW : NE : Calm	3·4	0·32	280	c x	c b c *Frcu Ci*	c	c
24	5·1	0·47	4·2	0·39	Calm : SSW	S : SW	19·6	0·58	304	c *lu-ha* b x m$_o$	b *Ci* c	r c r$_o$ r R	c R r q c
25	2·6	0·25	2·1	0·19	SW	W : NNE	6·5	0·85	383	c r$_o$ c	c *Nbst* i r	c *Nbst* r$_o$ g h m$_o$	rr c m$_o$
26	8·9	0·81	7·8	0·71	N	N : SW : S	2·2	0·20	267	c b x	b *Frcu* z$_o$	b z$_o$ y	b f b x
27	3·5	0·32	2·2	0·20	S : SSE	SSW	9·1	1·13	376	b x c	rs ss rr	rr c P c	c i r
28	2·5	0·23	1·3	0·12	SSW	SSW : Calm	1·2	0·11	237	c i r	c *so-ha prhn* r$_o$	c *Cist prhn*	c w
Means	4·5	0·39	3·7	0·31	..	..	..	1·16	390				
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°·7, being 3°·0 higher than
The mean *Temperature of the Dew Point* for the month was 37°·0, being 2°·0 higher than
The mean *Degree of Humidity* for the month was 78·5, being 5·1 less than
The mean *Elastic Force of Vapour* for the month was 0·220in., 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 8·0.

The mean prportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·154. The maximum daily amount of *Sunshine* was 6·4 hours on February 26.

The highest reading of the *Solar Radiation Thermometer* was 97°·8 on February 28; and the lowest reading of the *Terrestrial Radiation Thermometer* was 22°·0 on February 9.

The *Proportions of Wind* referred to the cardinal points were N. 14, E. 7, S. 29, W. 45, calm or nearly calm conditions, 5, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 21·0 lbs. on the square foot on February 16. The mean daily *Horizontal Movement of the Air* for the month was 390 miles; the greatest daily value was 743 miles on February 16, and the least daily value was 220 miles on February 10.

Rain (0·005in. or over) fell on 15 days in the month, amounting to 2·154in., as measured by gauge No. 6 partly sunk below the ground; being 0·674in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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
Mar. 1	29·091	48·8	36·9	11·9	41·7	+ 1·3	39·7	36·8	4·9	11·6	1·2	83	88·2	31·0	44·7	0·000	0·9	10·9
2	29·559	47·7	37·3	10·4	42·0	+ 1·6	40·6	38·7	3·3	6·5	0·9	88	58·7	29·3	44·7	0·000	0·0	10·9
3	29·862	44·7	38·0	6·7	41·2	+ 0·7	40·4	39·4	1·8	3·1	0·0	93	55·8	33·9	44·7	0·152	0·0	11·0
4	30·122	50·4	31·8	18·6	41·7	+ 1·0	38·1	32·5	9·2	18·0	3·2	69	95·6	26·7	44·7	0·000	5·6	11·1
5	30·213	52·6	30·1	22·5	41·2	+ 0·3	39·0	35·7	5·5	15·0	2·2	81	95·6	25·7	44·7	0·002	2·9	11·1
6	30·275	47·1	39·1	8·0	43·2	+ 2·2	40·7	37·1	6·1	9·9	1·2	79	69·5	35·7	44·6	0·063	0·1	11·2
7	30·420	49·8	34·1	15·7	41·7	+ 0·7	38·6	33·7	8·0	15·8	1·2	73	108·6	27·9	44·5	0·000	7·6	11·3
8	30·455	38·3	30·7	7·6	34·8	− 6·3	33·3	30·5	4·3	11·1	0·5	84	58·3	26·2	44·3	0·007	0·0	11·3
9	30·312	34·6	29·1	5·5	32·3	− 8·7	30·2	26·1	6·2	11·3	1·5	78	56·6	26·1	44·2	0·002	0·5	11·4
10	30·059	38·2	31·2	7·0	33·8	− 7·1	31·6	27·4	6·4	8·2	4·8	78	49·5	29·9	44·1	0·000	0·2	11·4
11	30·168	40·8	33·9	6·9	36·7	− 4·3	33·9	28·7	8·0	12·5	4·5	73	90·8	26·8	43·9	0·000	1·8	11·5
12	30·332	51·2	32·1	19·1	40·0	− 1·1	35·5	27·1	12·9	34·0	1·9	60	109·5	25·7	43·9	0·000	9·2	11·6
13	30·149	49·0	32·0	17·0	38·7	− 2·6	36·2	32·0	6·7	17·5	0·6	76	107·0	27·2	43·6	0·002*	6·7	11·6
14	29·902	42·9	33·8	9·1	38·4	− 3·1	36·7	34·1	4·3	5·8	0·3	84	50·9	28·0	43·5	0·000	0·0	11·7
15	29·725	53·3	35·3	18·0	41·8	+ 0·1	39·0	34·6	7·2	21·4	0·7	76	102·3	29·3	43·6	0·000	6·1	11·8
16	29·374	56·8	33·0	23·8	45·0	+ 3·1	42·4	38·8	6·2	14·4	0·0	79	87·6	23·2	43·6	0·000	0·3	11·8
17	29·534	54·1	42·9	11·2	47·5	+ 5·5	46·0	44·3	3·2	7·7	0·2	88	64·8	36·9	43·7	0·224	0·0	11·9
18	29·895	58·4	37·4	21·0	47·4	+ 5·4	45·1	42·4	5·0	12·8	0·9	82	96·5	28·4	43·9	0·001*	3·7	12·0
19	29·886	60·9	33·7	27·2	47·3	+ 5·4	44·0	39·9	7·4	19·8	0·7	75	112·2	26·9	44·1	0·000	9·5	12·0
20	29·807	64·6	39·0	25·6	51·1	+ 9·2	46·6	41·3	9·8	21·8	1·2	69	105·5	30·0	44·3	0·000	5·6	12·1
21	29·838	67·0	38·0	29·0	52·9	+11·0	47·6	41·4	11·5	23·4	3·0	65	118·6	27·9	44·6	0·000	9·9	12·2
22	29·718	56·0	43·6	12·4	50·0	+ 8·0	46·6	42·6	7·4	10·6	4·5	76	91·8	39·5	44·7	0·020	1·2	12·2
23	29·715	54·9	43·0	11·9	48·3	+ 6·1	46·0	43·4	4·9	13·1	2·2	83	85·1	39·0	45·0	0·126	0·0	12·3
24	29·980	60·8	46·9	13·9	53·4	+11·0	48·4	42·8	10·6	19·5	3·5	67	107·9	42·1	45·2	0·001	7·3	12·4
25	30·139	58·1	42·5	15·6	51·3	+ 8·6	47·7	43·6	7·7	13·6	2·6	75	99·9	37·4	45·3	0·000	0·4	12·4
26	30·149	61·0	39·9	21·1	48·4	+ 5·4	46·0	43·3	5·1	11·4	0·9	82	106·8	35·3	45·6	0·000	2·3	12·5
27	30·181	56·9	38·8	18·1	47·9	+ 4·6	44·1	39·2	8·7	17·2	1·6	72	110·0	28·1	46·0	0·000	6·9	12·6
28	30·198	58·6	36·3	22·3	47·8	+ 4·1	43·8	38·6	9·2	17·1	0·7	70	103·4	24·5	46·0	0·000	4·4	12·6
29	30·177	53·6	39·4	14·2	46·7	+ 2·6	42·7	37·4	9·3	14·3	6·4	69	100·8	33·4	46·1	0·000	1·5	12·7
30	30·160	47·8	38·3	9·5	42·6	− 1·9	39·7	35·4	7·2	11·6	4·7	75	55·1	35·3	46·0	0·007	0·0	12·7
31	29·866	56·9	42·6	14·3	48·9	+ 4·0	44·9	39·9	9·0	13·6	3·6	71	105·6	41·6	46·1	0·000	1·5	12·8
Means	29·976	52·1	36·8	15·3	44·1	+ 2·2	41·1	37·1	7·0	14·3	2·0	76·5	88·7	30·9	44·6	Sum 0·607	3·1	11·8
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.

*Rainfall (Column 16). The amount entered on March 13 is derived from hoar frost, and that on March 18 from dew.

The mean reading of the *Barometer* for the month was 29·976in., being 0·223in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 67°·0 on March 21; the lowest in the month was 29°·1 on March 9; and the range was 37°·9.

The mean of all the highest daily readings in the month was 52°·1, being 2°·3 higher than the average for the 65 years, 1841–1905.

The mean of all the lowest daily readings in the month was 36°·8, being 1°·7 higher than the average for the 65 years, 1841–1905.

The mean of the daily ranges was 15°·3, being 0°·6 greater than the average for the 65 years, 1841–1905.

The mean for the month was 44°·1, being 2°·2 higher than the average for the 65 years, 1841–1905.

MONTH and DAY 1935.	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	5·2	0·47	3·7	0·34	Calm : NW : WSW	SSW : SE : E	0·5	0·03	194	c w m。	c b c f	c *Ast*	c
2	1·4	0·13	1·2	0·11	N	N : Calm	0·3	0·03	181	c w	c *Stcu* m	c *Stcu* m	c r。m
3	5·0	0·46	4·2	0·39	Calm	SE : Calm	1·7	0·03	172	c o d。	o *St* m	o d。dd m	r d m
4	9·3	0·87	8·2	0·76	NW : NNW	NW : SW	1·0	0·11	244	c b	b f c *Frcu* y	bc *Frcu* y	b f m x
5	7·4	0·69	4·6	0·43	SW : WSW	WSW : W	1·7	0·15	293	b x c	c m b *Frcu*	b c *so-ha* y r。b	b c m。
6	1·3	0·12	1·0	0·09	W : WSW	N : NNE : Calm	0·6	0·06	199	c m	c f dd c	c *Stcu* b c	c
7	10·0	0·93	9·8	0·91	Calm : E	ESE : E	1·3	0·05	194	c	c b *Frcu* y	b c *Stcu* b y	b
8	4·5	0·42	3·9	0·37	ENE : E	ENE : NE	6·3	0·48	308	b x	c *Stcu*	c i s。	c s。b
9	0·0	0·00	0·0	0·00	ENE : NE	ENE : E	13·4	2·89	519	c	c *Nbst* i s。	c *Stcu*	c
10	1·9	0·19	1·5	0·15	E : ENE	ENE : E	8·0	1·85	455	c	c *Stcu*	c	c
11	10·3	1·00	10·3	1·00	ENE	ENE : NE	7·9	1·60	425	c	c *Stcu*	c *Stcu Ci*	b m。
12	10·3	1·00	10·3	1·00	NE : ENE	NE	5·6	0·50	345	bx	b y	b z。y	b z。
13	5·7	0·56	5·6	0·55	NE : ENE	ENE : NE	1·8	0·17	282	b z。x	b c m b z。	b z。y	b m。w
14	0·0	0·00	0·0	0·00	NNE	Calm	0·3	0·02	190	c m	o *Ast* m	o *Ast* m f	o m。
15	10·3	1·00	8·4	0·82	Calm	SSE : ESE	0·7	0·03	187	o m。	c b *Frcu* z。	b z。y	b c w m
16	0·9	0·09	0·7	0·08	Calm : SE	SSE : S	1·9	0·03	195	c x m	c *so-ha* m。	c *Ast*	c r。d。
17	6·8	0·70	6·7	0·68	Calm	Calm : WNW	0·1	0·01	150	c	c d。c m f	c o GR c f	c
18	9·7	1·00	9·7	1·00	Calm	WSW : SSW	0·6	0·02	211	c b w m	c *Stcu* f m	c b *Frcu* z。	b *lu-ha* w
19	8·9	0·92	5·8	0·59	Calm : SSW	S : SE	1·0	0·10	220	b x f	bc *Ci* v	b c *Cist* y	c *lu-ha* w
20	9·7	1·00	9·7	1·00	Calm : SW	SW	0·5	0·04	209	c *lu-ha* w m	c *so-ha* z。y	c *so-ha* b z。y	b m
21	5·3	0·54	4·3	0·44	SW : Calm	SW	1·1	0·10	234	b w m	b *Ci* y	b y	b c
22	9·1	0·94	8·5	0·86	SW	SW : WSW	4·0	0·50	342	c b	bc *Acu* c	c d。c	c p d。b
23	5·2	0·57	4·4	0·48	WSW	SW : WSW	7·2	1·64	495	b c	c *Nbst* r。	r r。	r。c b
24	0·9	0·10	0·1	0·01	WSW : NW	NW : WSW	2·3	0·41	345	bc c	bc *Ci so-ha* y	c *Ci so-ha* y	c d。c
25	8·2	0·89	8·2	0·89	WSW	WSW	2·7	0·36	366	c	c *Cist*	c	c b
26	8·1	0·88	6·1	0·67	WSW	WSW	0·7	0·06	294	b w o	o *St* c m。	c *Stcu*	c b
27	8·5	0·92	8·3	0·90	WSW : NW	N : Calm	1·1	0·05	217	b c m。	c b *Frcu* y	b *Frcu* y	b
28	5·1	0·56	0·0	0·00	WSW	W : NW	0·6	0·04	227	b x c m f	c f b z。	b z。y	b z。
29	2·3	0·25	1·0	0·11	NNW : NNE	NNE : ESE	2·3	0·17	267	b c	c *Stcu*	c *Stcu*	c
30	0·0	0·00	0·0	0·00	Calm : SSW	SW : WSW	1·6	0·13	259	c	c *Nbst* d c	c *Nbst* r。c	c
31	0·9	0·10	0·1	0·01	WSW : WNW : W	W : NW	1·7	0·22	337	c	c *Stcu* m。	c *Cist so-ha* b	b c
Means	5·6	0·56	4·7	0·47	..	..	..	0·38	276				
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 41°·1, being 1°·7 higher than
The mean *Temperature of the Dew Point* for the month was 37°·1, being 1°·5 higher than
The mean *Degree of Humidity* for the month was 76·5, being 1·6 less than
The mean *Elastic Force of Vapour* for the month was 0·221in., being 0·012in. 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 0·262. The maximum daily amount of *Sunshine* was 9·9 hours on March 21.

The highest reading of the *Solar Radiation Thermometer* was 118°·6 on March 21; and the lowest reading of the *Terrestrial Radiation Thermometer* was 23°·2 on March 16.

The *Proportions of Wind* referred to the cardinal points were N. 15, E. 20, S. 17, W. 28, calm or nearly calm conditions, 20, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 13·4 lbs. on the square foot on March 9. The mean daily *Horizontal Movement of the Air* for the month was 276 miles; the greatest daily value was 519 miles on March 9, and the least daily value was 150 miles on March 17.

Rain (0·005in. or over) fell on 7 days in the month, amounting to 0·607in., as measured by gauge No. 6 partly sunk below the ground; being 0·913in. less than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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	29·733	52·9	41·3	11·6	48·1	+ 2·8	43·0	36·0	12·1	19·1	3·0	63	105·2	37·0	46·2	0·047	2·3	12·9
2	29·760	47·7	37·2	10·5	40·7	− 5·0	37·1	31·3	9·4	15·8	3·0	68	103·1	31·5	46·2	0·068	3·7	12·9
3	29·833	46·9	34·0	12·9	38·6	− 7·4	35·7	30·7	7·9	14·4	2·7	73	106·3	28·0	46·1	0·017	5·2	13·0
4	29·602	44·2	32·8	11·4	36·7	− 9·5	34·6	30·9	5·8	8·5	0·4	79	56·1	28·4	46·1	0·143	0·0	13·1
5	29·517	48·9	30·7	18·2	38·0	− 8·3	34·6	28·4	9·6	16·9	2·4	68	97·9	26·2	46·0	0·101	6·4	13·2
6	29·598	52·9	32·9	20·0	42·4	− 3·9	37·9	30·3	12·1	20·1	4·6	62	97·9	29·7	45·9	0·013	7·5	13·2
7	29·420	57·7	40·3	17·4	46·5	+ 0·2	44·7	42·5	4·0	16·7	0·9	86	106·7	39·7	45·8	0·504	2·7	13·3
8	29·424	53·8	41·0	12·8	47·6	+ 1·5	45·4	42·9	4·7	15·4	0·7	83	99·4	38·8	45·7	0·469	4·2	13·3
9	29·422	58·2	43·4	14·8	52·4	+ 6·4	50·8	49·2	3·2	6·8	0·1	89	83·9	42·9	45·9	0·167	0·0	13·4
10	29·369	59·5	48·1	11·4	53·9	+ 8·0	50·4	46·9	7·0	14·5	2·0	77	94·7	45·1	46·1	0·184	1·5	13·5
11	29·528	60·0	41·1	18·9	51·6	+ 5·8	45·9	38·7	12·9	21·5	3·7	61	120·1	31·8	46·3	0·112	7·2	13·5
12	29·554	53·6	37·1	16·5	44·5	− 1·4	40·8	35·3	9·2	15·2	3·5	70	101·8	27·1	46·4	0·000	0·9	13·6
13	29·767	57·0	32·8	24·2	44·6	− 1·5	41·4	36·9	7·7	19·4	0·3	74	117·3	24·9	46·8	0·057	5·2	13·7
14	29·544	55·8	38·5	17·3	45·3	− 1·1	43·1	40·2	5·1	15·7	0·6	83	97·9	32·6	46·9	0·188	4·0	13·7
15	29·668	61·1	34·2	26·9	46·1	− 0·7	43·8	40·9	5·2	16·0	0·0	82	116·1	27·0	46·9	0·011	2·3	13·8
16	29·230	53·9	41·1	12·8	47·5	+ 0·3	44·5	40·8	6·7	18·5	0·5	77	113·5	36·8	46·9	0·223	5·1	13·9
17	29·185	57·0	39·6	17·4	46·3	− 1·3	42·3	36·9	9·4	24·5	2·5	69	115·2	35·2	47·0	0·016	7·6	13·9
18	29·425	58·9	43·6	15·3	48·5	+ 0·5	45·7	42·4	6·1	19·6	1·9	79	112·7	38·4	47·1	0·085	2·6	14·0
19	29·558	60·7	45·2	15·5	51·6	+ 3·3	48·9	46·0	5·6	13·6	1·0	81	102·2	42·1	47·2	0·099	2·5	14·1
20	29·455	63·2	43·9	19·3	51·4	+ 2·9	48·5	45·4	6·0	13·4	2·6	80	120·1	39·2	47·4	0·032	2·0	14·1
21	29·383	62·0	43·1	18·9	51·6	+ 2·9	47·2	42·1	9·5	17·2	2·9	70	120·7	38·6	47·6	0·006	5·0	14·2
22	29·532	60·9	42·2	18·7	49·7	+ 1·0	46·5	42·7	7·0	15·5	1·6	77	120·1	31·9	47·9	0·000	5·6	14·2
23	29·768	63·6	39·6	24·0	52·0	+ 3·4	47·4	42·1	9·9	19·6	0·2	69	130·2	27·9	48·1	0·000	11·9	14·3
24	29·933	54·8	40·7	14·1	48·3	− 0·3	45·0	40·9	7·4	14·1	1·7	75	105·4	33·3	48·1	0·000	3·2	14·4
25	29·897	48·5	41·3	7·2	45·1	− 3·5	43·3	40·9	4·2	6·8	0·4	86	57·1	34·2	48·1	0·360	0·0	14·4
26	29·918	55·5	44·3	11·2	46·4	− 0·2	45·9	43·1	5·3	8·8	1·6	81	114·9	40·8	48·1	0·000	3·3	14·5
27	30·039	49·4	43·1	6·3	45·9	− 2·8	43·5	40·5	5·4	6·5	2·4	81	67·1	42·2	48·1	0·000	0·0	14·6
28	30·149	50·8	42·5	8·3	46·2	− 2·6	43·6	40·3	5·9	8·3	1·7	80	65·2	36·4	48·1	0·000	0·0	14·6
29	30·126	61·9	42·5	19·4	50·7	+ 1·7	47·9	44·8	5·9	10·7	2·0	80	100·0	33·8	48·2	0·000	0·3	14·7
30	29·988	62·7	42·5	20·2	50·2	+ 1·1	47·1	43·5	6·7	16·9	0·0	78	117·3	34·0	48·3	0·000	1·3	14·7
Means	29·644	55·8	40·0	15·8	47·0	− 0·3	43·9	39·8	7·2	15·0	1·7	76·0	102·2	34·5	47·0	Sum 2·902	3·5	13·8
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 29·644in., being 0·111in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 63°·6 on April 23; the lowest in the month was 30°·7 on April 5; and the range was 32°·9.
The mean of all the highest daily readings in the month was 55°·8, being 1°·4 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 40°·0, being 1°·0 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 15°·8, being 2°·4 less than the average for the 65 years, 1841–1905.
The mean for the month was 47°·0, being 0°·3 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
April 1	4·0	0·46	3·8	0·43	W : NNW	NW : NNW	4·2	0·74	400	c	c *Stcu* y	c *Stcu Acu* y	c d r
2	8·5	0·97	8·2	0·94	NNW : N	N : NNW	8·7	1·32	427	c b c	c p$_o$ y	c *Nbst* p r s	c b
3	3·9	0·44	1·6	0·18	NNW : N	N	5·0	0·68	352	b c	c *Stcu*	c *Nbst* p h	c b c
4	8·7	1·00	8·7	1·00	WSW	NNW : W	4·5	0·16	314	c m$_o$	c s$_o$ r$_o$ r m$_o$	c *Nbst* rr g m	b x m$_o$
5	6·7	0·77	6·6	0·76	WSW : WNW	NW : W	6·0	0·62	411	b x	b c *Frcu* y	c p$_o$ p	c r r$_o$ b
6	0·0	0·00	0·0	0·00	WSW : W	W : SW	4·3	0·53	371	b	b c *Frcu* y	c *Frcu* y	c r
7	0·4	0·05	0·3	0·04	SE : SW : W	WSW : SW	8·9	0·83	376	r dd rr	r d$_o$ c *Stcu*	c rr	rr c rr
8	0·0	0·00	0·0	0·00	SW : WNW : W	WSW : SW	3·5	0·39	340	rr r$_o$ c	c *Nbst* d$_o$	c r b c *Ci so-ha*	c rr
9	0·5	0·06	0·3	0·04	S : SW	SW	6·6	1·35	449	rrc	c r c r$_o$	r$_o$ c r r$_o$	r r$_o$ c d$_o$
10	5·3	0·65	4·4	0·53	SW	SW	14·9	3·67	596	c d$_o$ c	c q r c	c q	c r$_o$ c q r
11	6·1	0·74	5·8	0·71	SW : WSW	WSW : W	13·5	2·58	525	c q	c r c p$_o$	c *Frcu* b y	b y
12	8·3	1·00	8·1	0·98	Calm : NE	NE : NNE	2·3	0·23	279	b c	c	c *Ci Stcu* y	c b
13	1·9	0·25	1·2	0·16	Calm : SE	S : SSE	0·8	0·07	211	b x	b c *Ci so-ha* y	c *Ci so-ha* c	c d$_o$ r c
14	7·7	1·00	7·7	1·00	Calm : WSW	Calm : Var.	0·6	0·03	182	c	c b m c *Ci Frcu*	c r R h t l c	c b
15	0·0	0·00	0·0	0·00	Calm : SW	SW : SSW	1·8	0·08	229	b w m	b f c *Stcu*	c *Ci so-ha*	c rr
16	6·7	0·87	6·4	0·82	SSE : SW : WSW	SW : SSW	11·0	1·51	455	rr r$_o$	c *Nbst* q r b	bc q r h b c	c b c p$_o$
17	..	..	..	..	SSW : WNW	WSW : SW	3·6	0·30	341	b c	c r c *Frcu y*	c *Frcu* y	c i r$_o$ *lu-ha*
18	0·5	0·06	0·3	0·05	WSW	WSW : SW	5·1	0·77	423	b c	c *Acu* y	c *Nbst* r$_o$ r h r	r c d r
19	3·7	0·48	3·3	0·42	SW : WSW	SW : S	4·6	0·53	355	r r$_o$ c	c *Acu Frst*	c *Nbst* r$_o$ c	c b
20	7·0	1·00	6·9	0·98	Calm : ESE	S : SSE	2·0	0·10	235	b c d$_o$ c	c *so-ha Nbst*	c r	c b
21	3·5	0·50	3·3	0·47	ESE : S	S : SSW	3·6	0·30	280	b w c	c *Acu*	c d$_o$ c b	b c r$_o$
22	6·5	0·92	6·4	0·91	S : SSW	SSW	2·0	0·18	266	c b	b c *Cu Frcu* y	c p$_o$ c b	b w
23	7·0	1·00	6·8	0·98	Calm	E : NE	0·7	0·06	203	b c b w m	b c *Cu* y	bc Ci *Frcu* b y	b
24	2·9	0·41	2·9	0·41	NNE	NNE : N	3·0	0·35	300	b w c	c *St Frst*	c *Stcu* b	b c
25	0·0	0·00	0·0	0·00	NNW : N	NNW : N : NNE	2·4	0·39	315	c	c r$_o$ c	c rr r$_o$ c	c p c
26	0·0	0·00	0·0	0·00	NNE	N : NNE	2·5	0·45	335	c	c *Stcu*	c *Acu Ci*	c
27	0·0	0·00	0·0	0·00	N : NNE	NNE	1·7	0·30	317	c	c *St Frst*	c *St Frst*	c
28	0·0	0·00	0·0	0·00	N : NNE	N : NE	1·6	0·13	241	c d$_o$	c d$_o$	c *St Frst*	c
29	6·5	1·00	2·5	0·38	Calm	Calm : SSE : SSW	0·3	0·03	176	c	c m c	c *Acu Stcu*	c b
30	0·0	0·00	0·0	0·00	WSW : Calm	Calm : ESE	1·9	0·05	193	b c w f	c f m z$_o$	c *Acu* z$_o$ y	c d$_o$
Means	3·7	0·47	3·3	0·42	..	..	..	0·62	330				
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 43°·9, being equal to
The mean *Temperature of the Dew Point* for the month was 39°·8, being 0°·2 higher than
The mean *Degree of Humidity* for the month was 76·0, being 1·5 greater than
The mean *Elastic Force of Vapour* for the month was 0·246in., 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 8·0.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·250. The maximum daily amount of *Sunshine* was 11·9 hours on April 23.

The highest reading of the *Solar Radiation Thermometer* was 130°·2 on April 23; and the lowest reading of the *Terrestrial Radiation Thermometer* was 24°·9 on April 13.

The *Proportions of Wind* referred to the cardinal points were N. 26, E. 8, S. 26, W. 29, calm or nearly calm conditions, 11, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 14·9 lbs. on the square foot on April 10. The mean daily *Horizontal Movement of the Air* for the month was 330 miles; the greatest daily value was 596 miles on April 10, and the least daily value was 176 miles on April 29.

Rain (0·005in. or over) fell on 21 days in the month, amounting to 2·902in., as measured by gauge No. 6 partly sunk below the ground; being 1·336in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY 1935.	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	30·055	53·0	39·3	13·7	46·1	− 3·2	43·1	39·2	6·9	12·9	1·9	77	85·3	33·4	48·2	0·066	0·0	14·8
2	30·018	65·0	35·2	29·8	50·9	+ 1·4	45·1	37·5	13·4	22·1	1·9	60	123·1	26·6	48·4	0·000	9·2	14·8
3	29·817	67·0	44·4	22·6	55·0	+ 5·2	47·1	37·1	17·9	35·6	7·4	51	129·8	37·3	48·6	0·000	10·3	14·9
4	29·748	65·2	46·8	18·4	55·1	+ 5·1	50·0	44·7	10·4	24·0	3·4	68	131·0	38·7	48·8	0·000	5·2	14·9
5	29·920	71·9	45·1	26·8	58·5	+ 8·2	53·3	48·4	10·1	19·2	1·4	69	129·0	35·9	49·0	0·000	4·0	15·0
6	30·097	75·7	46·9	28·8	61·3	+10·8	53·2	45·2	16·1	30·3	1·2	55	140·2	36·0	49·4	0·000	12·6	15·1
7	30·202	63·5	47·8	15·7	54·0	+ 3·3	48·9	43·3	10·7	18·1	4·6	67	131·8	37·9	49·5	0·000	4·5	15·1
8	30·248	57·7	46·8	10·9	51·0	− 0·0	46·4	40·9	10·1	12·9	6·7	69	112·0	45·0	49·7	0·000	0·9	15·2
9	30·109	59·9	44·8	15·1	50·4	− 0·8	44·5	36·6	13·8	29·4	6·6	60	123·1	39·8	50·0	0·000	8·7	15·2
10	29·987	62·6	43·6	19·0	52·7	+ 1·2	46·1	37·8	14·9	31·6	3·7	57	120·8	38·9	50·1	0·000	13·3	15·3
11	29·962	66·7	44·1	22·6	53·1	+ 1·3	47·3	40·4	12·7	27·7	5·0	62	125·8	39·8	50·3	0·000	11·0	15·4
12	29·991	55·9	41·9	14·0	48·1	− 4·0	42·8	35·4	12·7	19·6	4·7	61	106·9	36·0	50·2	0·000	1·9	15·4
13	30·009	51·9	38·3	13·6	44·6	− 7·8	40·1	33·3	11·3	19·9	4·3	65	115·5	29·8	50·3	0·000	3·9	15·5
14	29·877	49·9	36·7	13·2	41·2	−11·4	38·1	33·1	8·1	17·6	1·8	73	102·0	29·1	50·3	0·128	3·9	15·5
15	29·850	55·9	38·3	17·6	44·7	− 8·1	40·9	35·3	9·4	20·8	1·3	69	108·5	28·0	50·2	0·220	4·8	15·6
16	29·875	49·6	33·6	16·0	42·4	−10·6	38·4	32·0	10·4	19·1	3·8	66	107·8	23·6	50·1	0·006	2·0	15·6
17	29·711	55·0	28·2	26·8	41·4	−11·7	36·8	28·7	12·7	26·4	1·9	60	110·6	20·6	50·1	0·000	10·3	15·7
18	29·704	54·6	34·6	20·0	43·3	−10·0	39·1	32·5	10·8	24·6	1·5	66	117·8	25·8	50·0	0·028	9·3	15·7
19	29·759	52·4	33·9	18·5	43·8	− 9·7	41·5	38·4	5·4	20·8	1·7	81	89·1	27·0	49·8	0·154	1·1	15·8
20	29·810	60·4	45·0	15·4	48·6	− 5·2	47·1	45·4	3·2	11·0	0·0	89	114·2	41·4	49·8	0·300	1·2	15·8
21	30·003	58·0	40·4	17·6	48·8	− 5·4	44·7	39·5	9·3	16·4	0·9	70	115·1	35·6	49·8	0·000	9·4	15·9
22	30·006	54·4	41·1	13·3	47·4	− 7·2	42·3	35·0	12·4	17·7	6·9	60	110·8	38·1	49·8	0·000	4·3	15·9
23	29·787	65·0	42·2	22·8	53·8	− 1·1	48·0	41·2	12·6	22·6	4·1	63	125·9	38·0	50·0	0·000	7·6	16·0
24	29·799	69·0	50·1	18·9	57·7	+ 2·4	50·9	43·6	14·1	25·3	5·2	60	128·1	45·7	50·1	0·007	4·2	16·0
25	29·856	68·0	46·5	21·5	56·3	+ 0·8	51·5	46·7	9·6	22·6	1·2	70	126·8	43·7	50·1	0·537	3·7	16·0
26	29·928	67·1	44·4	22·7	54·1	− 1·7	49·2	43·9	10·2	18·0	3·6	69	128·0	41·6	50·3	0·000	9·2	16·1
27	29·893	60·2	44·8	15·4	52·7	− 3·3	50·0	47·3	5·4	8·3	2·7	82	107·9	40·1	50·5	0·000	0·1	16·1
28	29·824	66·0	50·4	15·6	57·5	+ 1·3	54·2	51·2	6·3	12·7	2·2	79	117·3	46·3	50·8	0·000	0·1	16·1
29	29·750	71·2	48·1	23·1	58·8	+ 2·4	53·8	49·1	9·7	17·0	3·6	70	130·7	45·4	51·0	0·000	11·9	16·2
30	29·709	69·5	49·1	20·4	56·5	− 0·2	52·0	47·7	8·8	17·4	2·9	72	131·7	47·1	51·2	0·000	3·7	16·2
31	29·802	53·6	47·1	6·5	50·5	− 6·6	49·0	47·4	3·1	6·2	0·7	89	61·1	46·4	51·2	0·110	0·0	16·3
Means	29·907	61·2	42·6	18·6	51·0	− 2·1	46·3	40·6	10·4	20·3	3·2	68·0	116·4	36·7	49·9	Sum 1·556	5·6	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 temperature 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 29·907in., being 0·106in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 75°·7 on May 6; the lowest in the month was 28°·2 on May 17; and the range was 47°·5.
The mean of all the highest daily readings in the month was 61°·2, being 2°·7 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 42°·6, being 1°·1 lower than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 18°·6, being 1°·6 less than the average for the 65 years, 1841–1905.
The mean for the month was 51°·0, being 2°·1 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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				
May 1	6·2	0·95	5·1	0·78	SE	ESE	2·0	0·18	227	c d$_o$	r d$_o$ c *Stcu*	c *Stcu*	c bc
2	0·3	0·04	0·2	0·03	Calm : S	SSW : Calm	0·8	0·07	196	bc b	b c *Acu Ci* y	c *Acu* y	c
3	6·5	1·00	4·5	0·70	Calm : SE	SE : ESE : E	4·8	0·57	273	c	b bc *Ci* y	bc *Cist* y	c b
4	4·7	0·78	2·8	0·46	ENE : E	E : Calm	4·0	0·26	253	b c	c *so-ha* bc y	bc c y *so-ha* z$_o$	c b
5	5·5	0·92	2·6	0·44	Calm	Var. : Calm	0·2	0·01	140	b w c m	c *so-ha* m z$_o$ y	c *Cist* z$_o$ y	c b
6	6·0	1·00	6·0	1·00	Calm : NE	NE : E	1·0	0·05	181	b w	b z$_o$ y	b y	b
7	0·1	0·02	0·0	0·00	NNE : NE	ESE : NE	2·1	0·25	261	b c m$_o$	c *Ast Cist* y	bc *Ci* c y	c b c
8	0·0	0·00	0·0	0·00	NE	NNE : NE	2·7	0·47	322	c	c *Stcu*	c *Acu*	c
9	6·0	1·00	6·0	1·00	NE	ENE : NE	6·5	1·09	373	c	c *Stcu* y	c b *Frcu* y	b
10	1·4	0·24	1·3	0·23	NE : ENE	ENE : E : NE	6·0	1·30	406	b	b *Ci* y	b *Ci* y	b y c
11	3·6	0·62	2·7	0·48	NE	NE : ESE : NE	3·1	0·56	347	c	c b *Ci* y	b c b y	b
12	4·7	0·81	3·2	0·55	NE	NE : NNE	3·0	0·74	362	c	c *Stcu* y	c *Stcu* y	c b c
13	5·0	0·87	2·2	0·38	NNE : NE	N : SSW	1·6	0·15	245	c	c *Stcu* y	c *Stcu* y	c *lu-ha*
14	0·0	0·00	0·0	0·00	WSW : NW : NNE	NNE : N	9·2	0·77	346	c r$_o$ r	rr c p s$_o$ h	c *Ci Cunb* b	c dd
15	3·0	0·52	0·9	0·15	N : NNE	N : E : SSE	7·3	0·84	347	c d	r c r$_o$ r c	c *Ci Frcu* y	c b c
16	5·7	1·00	5·7	1·00	SW : N	NNE : N	3·6	0·63	329	c	c d c	c r$_o$ c y	c b
17	4·1	0·71	4·0	0·70	SW	S : SE : ENE	1·5	0·17	252	b x m	b c *Frcu* y	c *Stcu* b y	b c r$_o$
18	4·2	0·80	3·8	0·73	NE : NNE	NNW	3·4	0·29	284	c b bc	c *Frcu* y	c r c	c r d b
19	1·1	0·20	1·0	0·18	WSW : SW	SSW : SW	1·9	0·17	271	b	b c *so-ha* r$_o$	rr dd	d c
20	2·3	0·45	1·9	0·36	SW	SSW : Var. : Calm	1·8	0·11	226	c r c	c r$_o$	r$_o$ c rr r$_o$ m$_o$	r$_o$ c m$_o$
21	0·5	0·10	0·4	0·08	NE	NE	3·7	0·57	342	c b bc	bc c *Frcu* y	c *Acu Frcu* y	c
22	1·9	0·37	1·6	0·30	NE	NE	4·8	0·97	411	c	c *Stcu* y	c *Stcu* y	c b
23	0·2	0·04	0·1	0·01	NNE : NE	NE	7·3	1·56	457	b c	c b y	b *Ci Frcu* c	c r$_o$ c
24	0·0	0·00	0·0	0·00	NNE : NE	NE : NNE	9·1	1·65	462	c d$_o$ c	c *Acu* y	c *Acu Cicu* y	c r$_o$ r c
25	4·0	0·80	3·5	0·69	NNE : NE : ENE	ENE : NE	8·0	1·02	381	c rr	rr c *Acu*	c *Acu Ci* y	c b c
26	4·9	0·97	4·5	0·90	NE : NNE	NE : NNE	1·7	0·38	325	c	c bc *Acu*	b y	b c
27	4·5	0·89	4·1	0·82	NNE	NE : NNE	1·5	0·17	261	c	c *Nbst*	r$_o$ c *Ast*	c
28	3·3	0·65	2·7	0·54	NNW : NNE	NE : E	1·3	0·07	210	b c o m	o c *Acu* m$_o$	c *Acu*	c b
29	1·5	0·31	1·4	0·29	NNE : N	N : NE	1·9	0·29	292	b c	c bc *Frcu*	b *Frcu* y	b c
30	0·3	0·05	0·1	0·01	NNE : NE	ENE : ESE : Calm	1·2	0·14	236	c	c *Acu*	bc c *Acu* y	c
31	0·0	0·00	0·0	0·00	NE : Calm	Calm	0·2	0·01	161	o d$_o$ rr d	d d$_o$ o m$_o$	o m$_o$	o m$_o$
Means	3·0	0·52	2·3	0·41	..	..	..	0·50	296				
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°·3, being 2°·7 lower than
The mean *Temperature of the Dew Point* for the month was 40°·6, being 4°·2 lower than
The mean *Degree of Humidity* for the month was 68·0, being 5·9 less than
The mean *Elastic Force of Vapour* for the month was 0·253in., being 0·045in. 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 7·0.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·357. The maximum daily amount of *Sunshine* was 13·3 hours on May 10.

The highest reading of the *Solar Radiation Thermometer* was 140°·2 on May 6; and the lowest reading of the *Terrestrial Radiation Thermometer* was 20°·6 on May 17.

The *Proportion of Wind* referred to the cardinal points were N. 38, E. 34, S. 9, W. 5, calm or nearly calm conditions 14. The whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 9·2 lbs. on the square foot on May 14. The mean daily *Horizontal Movement of the Air* for the month was 296 miles; the greatest daily value was 462 miles on May 24, and the least daily value was 140 miles on May 5.

Rain (0·005in. or over) fell on 10 days in the month, amounting to 1·556in., as measured by gauge No. 6 partly sunk below the ground; being 0·359in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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	29·754	64·8	50·0	14·8	54·8	− 2·6	52·7	50·7	4·1	8·6	0·8	86	110·7	47·7	51·7	0·067	1·7	16·3
2	29·569	70·0	50·0	20·0	57·9	+ 0·1	54·0	50·5	7·4	18·0	0·4	76	125·4	45·0	52·0	0·058	6·0	16·3
3	29·565	67·5	48·1	19·4	56·3	− 1·8	51·5	46·7	9·6	18·6	2·2	70	132·8	43·4	52·1	0·003	8·5	16·4
4	29·508	64·0	49·1	14·9	55·3	− 3·0	52·1	49·0	6·3	13·4	2·2	80	101·5	45·0	52·2	0·008	0·4	16·4
5	29·349	67·8	47·1	20·7	54·1	− 4·3	51·6	49·3	4·8	13·3	0·4	84	120·8	43·1	52·2	0·426	2·8	16·4
6	29·608	65·0	49·1	15·9	55·5	− 2·8	52·8	50·4	5·1	16·6	0·7	83	117·9	45·3	52·5	0·150	1·3	16·4
7	29·518	66·3	53·1	13·2	57·2	− 1·0	53·4	49·8	7·4	17·5	1·5	77	120·1	49·7	52·5	0·088	5·3	16·5
8	29·785	64·7	47·7	17·0	57·2	− 0·9	51·6	45·9	11·3	21·7	2·6	66	124·0	37·3	52·7	0·074	8·0	16·5
9	29·917	70·1	40·1	30·0	56·1	− 1·9	50·9	45·5	10·6	21·1	0·9	68	132·2	28·2	53·0	0·000	10·8	16·5
10	29·596	75·8	53·0	22·8	59·9	+ 1·8	56·9	54·4	5·5	13·7	0·6	82	132·3	49·9	53·1	0·700	2·3	16·5
11	29·544	64·7	49·3	15·4	56·1	− 2·1	52·4	48·8	7·3	16·3	2·9	77	121·2	45·0	53·1	0·069	5·7	16·5
12	29·680	64·0	49·1	14·9	55·4	− 3·0	52·3	49·4	6·0	12·7	2·4	80	116·4	44·8	53·3	0·045	5·2	16·6
13	29·713	68·1	51·0	17·1	58·2	− 0·3	53·4	48·9	9·3	21·0	0·6	71	122·1	44·3	53·5	0·092	8·1	16·6
14	29·650	69·6	48·6	21·0	57·1	− 1·6	54·1	51·4	5·7	15·5	1·1	82	128·3	45·4	53·8	0·061	3·1	16·6
15	29·544	68·5	47·7	20·8	56·0	− 2·8	52·3	48·7	7·3	16·4	1·0	77	129·1	42·1	54·0	0·021	5·0	16·6
16	29·574	66·6	51·3	15·3	56·5	− 2·4	52·2	48·1	8·4	18·8	1·6	73	126·9	45·5	54·0	0·095	8·5	16·6
17	29·722	69·6	49·3	20·3	57·5	− 1·5	52·8	48·4	9·1	18·5	1·5	71	121·9	44·2	54·3	0·134	5·3	16·6
18	29·675	68·0	51·1	16·9	59·2	− 0·0	56·6	54·5	4·7	12·7	0·4	85	115·9	48·8	54·5	0·159	2·6	16·6
19	29·948	69·6	52·7	16·9	59·0	− 0·5	56·9	55·2	3·8	11·0	0·8	87	117·9	52·2	54·5	0·096	0·5	16·6
20	29·857	65·6	57·2	8·4	59·7	− 0·2	58·6	57·8	1·9	4·5	0·0	93	90·3	56·0	54·8	0·081	0·0	16·6
21	29·895	78·6	58·4	20·2	66·3	+ 6·0	63·2	61·1	5·2	11·2	1·2	83	134·2	49·7	55·0	0·000	8·0	16·6
22	29·927	82·7	56·3	26·4	69·5	+ 8·9	65·2	62·5	7·0	14·6	0·1	79	138·9	46·9	55·3	0·000	14·2	16·6
23	29·934	80·8	59·6	21·2	71·2	+10·3	64·4	59·9	11·3	25·4	1·0	68	138·5	51·8	55·6	0·000	14·7	16·6
24	29·793	83·9	60·0	23·9	72·7	+11·5	65·5	60·9	11·8	23·1	2·0	66	140·6	52·0	56·1	0·000	14·9	16·6
25	29·669	83·3	62·0	21·3	69·4	+ 8·0	65·8	63·6	5·8	18·7	1·0	82	141·1	55·8	56·6	0·386	7·3	16·6
26	29·796	75·6	60·1	15·5	67·1	+ 5·6	61·8	58·1	9·0	17·4	0·8	73	134·9	54·8	57·0	0·000	12·9	16·6
27	29·949	71·4	57·6	13·8	63·4	+ 1·8	59·2	56·1	7·3	11·5	4·4	77	115·3	49·7	57·1	0·000	1·9	16·6
28	30·205	78·8	51·1	27·7	65·0	+ 3·4	58·8	53·9	11·1	19·8	3·2	67	144·7	41·7	57·6	0·000	11·4	16·6
29	30·152	79·6	54·4	25·2	67·6	+ 6·0	60·9	56·0	11·6	22·7	1·6	66	141·3	45·1	58·1	0·000	14·5	16·6
30	29·943	78·5	55·3	23·2	67·6	+ 6·1	60·6	55·3	12·3	24·7	0·9	65	136·9	44·3	58·0	0·000	13·7	16·6
Means	29·745	71·4	52·3	19·1	60·6	+ 1·2	56·5	53·0	7·6	16·6	1·4	76·5	125·8	46·5	54·3	Sum 2·813	6·8	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 29·745in., being 0·077in. lower than the average for the 65 years, 1841–1905.

Temperature of the Air.

The highest in the month was 83°·9 on June 24; the lowest in the month was 40°·1 on June 9; and the range was 43°·8.
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°·3, being 2°·4 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 19°·1, being 1°·7 less than the average for the 65 years, 1841–1905.
The mean for the month was 60°·6, being 1°·2 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
June 1	0·0	0·00	0·0	0·00	Calm	Calm : E	0·8	0·03	164	o m	o m$_o$	o c *Acu*	c r
2	4·1	0·91	3·8	0·84	Calm : SSW	SW	2·1	0·21	247	r$_o$ r$_o$	c m c *Ci*	c *Ci* y	c b
3	3·9	0·86	3·2	0·72	SW	SW : SSW	4·5	0·37	295	b c m$_o$	c *so-ha* p$_o$	c *Cunb* p$_o$ t	c b
4	2·3	0·51	2·1	0·48	SSW	SSW : SSE	2·4	0·15	247	b c	c *so-ha*	c *Nbst* r$_o$r$_o$ c	c r bc
5	4·0	0·88	3·5	0·78	Calm : Var.	SSW : WSW	0·6	0·06	220	b c o r	o r R r$_o$ c	c r$_o$ c *Frcu*	c r$_o$ r t l b c
6	0·0	0·00	0·0	0·00	WSW : SW	SSW	4·8	0·97	377	c	c *Ci Frcu*	c r$_o$ rr	r r$_o$
7	2·9	0·65	2·4	0·53	SSW	SW	12·1	3·06	515	r r$_o$	r r$_o$ c *Frcu*	c *Frcu*	r$_o$ c b
8	4·5	1·00	4·5	1·00	SW	SW : WSW	6·5	1·24	396	b c	c r c y	c r c *Frcu*	c b
9	0·3	0·07	0·1	0·03	SW : Calm : SE	SE : E	1·8	0·15	215	b	b c b y	bc c *Ci so-ha* y	c
10	3·2	0·70	2·7	0·60	Var.	SW : SSW	2·0	0·14	243	c t l RR	d c *Acu*	c *Nbst* r$_o$ c	c b c
11	4·0	0·89	3·5	0·77	SSW : SW	SW	10·3	1·04	363	c r$_o$ r$_o$	c p c	c r	c b
12	1·7	0·38	1·6	0·36	SSW	SW : SSW	4·1	0·88	357	b c d$_o$	c *Nbst* r$_o$ i r	c r c *Frcu*	c b c
13	2·7	0·61	2·4	0·53	SSW : SW	SW : SSW : S	4·1	0·55	310	c r r$_o$	c *Frcu Ci*	c *Cist so-ha* y	c *lu-ha*
14	..	..	..	..	S : SW	SSW	2·2	0·27	272	c r c	c *Cunb Ci*	c r$_o$r$_o$	r$_o$r$_o$ c b
15	0·2	0·04	0·1	0·03	SSW : SW	SW : WSW	1·5	0·15	246	b c	c *Cunb* p	c *Cunb* r R t l c	c
16	3·5	0·77	3·0	0·67	WSW : SW	SW : WSW	3·7	0·37	329	c r d$_o$ c	c *Cunb* p	c i r t l	c b
17	0·0	0·00	0·0	0·00	WSW	SW : SSW : SSE	2·6	0·34	310	c	c p	c *Cist so-ha*	c d$_o$ rr
18	0·0	0·00	0·0	0·00	SSE : SW	WSW : W	4·0	0·52	327	r c r$_o$	c *Nbst* i r	c *Nbst* R r c	c p$_o$ b c r
19	0·0	0·00	0·0	0·00	N : Calm	Calm : SW	1·0	0·08	198	c i r	c *Ast*	c d$_o$	d$_o$ c d
20	0·0	0·00	0·0	0·00	SW	SSW : SW	2·0	0·24	287	c i d	c d d$_o$	r c i d	c p$_o$ c
21	4·5	1·00	4·5	1·00	SW	WSW : Calm	0·5	0·06	213	c	c *Stcu*	c b *Frcu*	*b*
22	3·9	0·87	3·6	0·81	Calm : SE	ESE	1·6	0·16	213	b w m$_o$	b *Ci*	b	b w
23	4·5	1·00	4·5	1·00	Calm : ESE	E : Calm	2·1	0·21	216	b c m	b *Ci* y	b *Ci* y	b
24	4·5	1·00	4·5	1·00	Calm : ENE	E	2·7	0·23	251	b	b m z$_o$ y	b *Frcu* y	b
25	1·4	0·30	0·9	0·20	E : ENE	E : Calm : SSW	4·7	0·08	213	b m	b bc *Cunb*	c t R t l c r	c r c
26	3·4	0·76	2·7	0·60	SSW : SW	SSW	3·2	0·38	284	c	b v	b c v	c v b c
27	4·4	0·98	4·3	0·96	SSW : SW	SW	2·4	0·35	296	c	c *Stcu*	c *Stcu*	c b
28	4·2	0·95	4·2	0·95	WSW	W : Calm	1·3	0·07	211	b	b c *Frcu Ci*	c *Frcu*	c b
29	4·5	1·00	4·5	1·00	Calm : SE	ESE : E	1·6	0·17	228	b m	b *Frcu* y	b y	b
30	4·3	0·95	4·0	0·90	E	E : ENE	2·3	0·26	262	b	b *Ci* y	b *Ci* y	b
Means	2·7	0·59	2·4	0·54	..	..	..	0·43	277				
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°·5, being 1°·6 higher than
The mean *Temperature of the Dew Point* for the month was 53°·0, being 2°·2 higher than
The mean *Degree of Humidity* for the month was 76·5, being 3·3 greater than
The mean *Elastic Force of Vapour* for the month was 0·405in., being 0·030in. 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 6·5.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·412. The maximum daily amount of *Sunshine* was 14·9 hours on June 24.

The highest reading of the *Solar Radiation Thermometer* was 144°·7 on June 28; and the lowest reading of the *Terrestrial Radiation Thermometer* was 28°·2 on June 9.

The *Proportions of Wind* referred to the cardinal points were N. 2, E. 14, S. 40, W. 30, calm or nearly calm conditions, 14, 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 June 7. The mean daily *Horizontal Movement of the Air* for the month was 277 miles; the greatest daily value was 515 miles on June 7, and the least daily value was 164 miles on June 1.

Rain (0·005in. or over) fell on 19 days in the month, amounting to 2·813ins., as measured by gauge No. 6 partly sunk below the ground; being 0·775in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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	29·749	78·4	56·4	22·0	67·6	+ 6·1	62·4	58·8	8·8	18·5	2·2	74	127·4	46·4	58·2	0·000	4·6	16·6
2	29·844	76·3	60·4	15·9	66·4	+ 4·8	62·0	59·0	7·4	19·2	0·6	77	139·8	56·7	58·3	0·330	6·4	16·6
3	30·072	76·9	58·1	18·8	65·0	+ 3·2	59·3	54·9	10·1	15·1	3·6	70	135·6	52·2	58·5	0·000	3·1	16·5
4	30·045	78·1	58·2	19·9	67·8	+ 5·7	62·5	58·9	8·9	14·8	3·3	73	131·1	52·3	58·8	0·000	7·4	16·5
5	29·999	75·8	60·0	15·8	66·2	+ 3·9	61·3	57·8	8·4	15·6	1·9	75	138·6	54·2	58·9	0·000	8·3	16·5
6	29·999	74·1	56·0	18·1	63·6	+ 1·2	55·6	48·4	15·2	23·5	5·3	58	136·9	45·4	59·0	0·000	12·7	16·5
7	30·061	72·9	51·1	21·8	62·7	+ 0·3	56·7	51·6	11·1	22·3	2·1	67	138·3	37·2	59·0	0·000	14·0	16·5
8	30·041	71·3	47·4	23·9	59·6	− 2·8	54·6	50·0	9·6	21·5	1·1	71	143·4	34·3	59·0	0·000	14·5	16·4
9	29·911	80·0	52·1	27·9	66·1	+ 3·7	59·2	53·7	12·4	25·4	0·4	65	139·7	40·1	59·2	0·000	12·4	16·4
10	29·902	87·1	53·1	34·0	71·0	+ 8·5	62·0	55·4	15·6	26·4	3·0	57	145·5	44·1	59·3	0·000	10·4	16·4
11	29·985	81·3	61·1	20·2	70·3	+ 7·6	64·3	60·4	9·9	19·3	3·3	71	128·0	51·2	59·4	0·012	5·0	16·3
12	29·996	80·9	60·6	20·3	69·4	+ 6·5	63·1	58·8	10·6	23·9	2·7	69	124·6	54·6	59·3	0·000	4·0	16·3
13	29·985	85·7	59·1	26·6	71·9	+ 8·8	64·6	59·8	12·1	27·2	0·5	65	138·3	50·1	59·7	0·000	13·0	16·3
14	29·982	86·6	56·5	30·1	71·5	+ 8·2	61·3	53·5	18·0	35·3	1·1	53	142·9	44·1	59·8	0·000	13·2	16·3
15	30·004	84·7	58·4	26·3	71·0	+ 7·6	62·1	55·6	15·4	27·3	3·0	58	130·2	51·1	59·8	0·000	8·4	16·2
16	29·917	85·1	62·8	22·3	72·4	+ 9·0	59·9	49·5	22·9	37·3	4·6	44	143·3	55·6	60·0	0·000	12·1	16·2
17	29·808	79·7	57·1	22·6	65·9	+ 2·5	58·4	52·2	13·7	23·7	4·0	61	138·4	51·1	60·0	0·000	3·4	16·1
18	29·677	69·6	53·8	15·8	60·5	− 2·8	55·4	50·9	9·6	19·1	4·4	71	120·7	46·6	60·0	0·064	3·4	16·1
19	29·599	71·9	51·1	20·8	59·6	− 3·6	55·3	51·5	8·1	21·0	1·7	74	127·7	46·4	60·0	0·010	2·3	16·1
20	29·494	73·5	55·2	18·3	62·0	− 1·2	57·6	54·1	7·9	16·0	1·4	75	126·5	48·6	60·0	0·139	4·9	16·0
21	29·928	74·7	50·7	24·0	61·0	− 2·2	53·0	45·1	15·9	29·1	5·0	55	139·1	44·7	59·9	0·000	9·0	16·0
22	30·081	76·0	57·0	19·0	66·2	+ 3·1	60·0	55·3	10·9	17·4	4·6	68	122·0	51·6	59·9	0·000	3·0	16·0
23	30·105	81·7	55·1	26·6	68·6	+ 5·6	63·0	59·2	9·4	19·9	0·7	72	142·1	46·9	59·9	0·000	8·4	15·9
24	30·063	82·8	54·0	28·8	68·2	+ 5·3	61·3	56·3	11·9	25·0	1·3	66	139·6	43·3	59·9	0·000	9·8	15·9
25	30·046	79·2	56·4	22·8	65·3	+ 2·6	59·1	54·3	11·0	24·3	2·0	68	136·7	44·2	60·0	0·000	10·7	15·8
26	29·986	78·7	55·5	23·2	65·0	+ 2·5	58·1	52·4	12·6	29·7	1·8	64	137·4	43·9	60·0	0·000	9·4	15·8
27	29·911	79·5	54·5	25·0	66·7	+ 4·3	60·3	55·5	11·2	22·1	2·2	67	135·3	47·2	60·0	0·000	7·9	15·7
28	29·843	81·2	62·6	18·6	70·0	+ 7·7	62·0	56·2	13·8	26·0	1·9	62	140·8	57·9	60·1	0·000	7·2	15·7
29	29·922	74·6	57·0	17·6	65·4	+ 3·1	56·1	47·7	17·7	28·6	9·9	53	139·8	49·3	60·3	0·000	10·7	15·6
30	30·018	72·8	49·1	23·7	61·4	− 0·9	52·0	42·1	19·3	36·4	5·0	48	132·9	36·8	60·2	0·000	13·2	15·6
31	30·029	73·7	45·6	28·1	59·2	− 3·0	52·1	44·8	14·4	29·4	2·8	59	133·5	33·7	60·5	0·000	13·3	15·5
Means	29·936	78·2	55·7	22·5	66·0	+ 3·4	59·2	53·7	12·4	23·9	2·8	64·8	135·4	47·2	59·6	Sum 0·555	8·6	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 29·936in., being 0·130in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 87°·1 on July 10; the lowest in the month was 45°·6 on July 31; and the range was 41°·5.
The mean of all the highest daily readings in the month was 78°·2, being 4°·0 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 55°·7, being 2°·4 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 22°·5, being 1°·6 greater than the average for the 65 years, 1841–1905.
The mean for the month was 66°·0, being 3°·4 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
July 1	0·3	0·06	0·2	0·05	NE	E : Calm : SSW	1·3	0·05	215	b	c *Ci Acu*	c *Ci Acu*	c r$_o$
2	0·2	0·04	0·1	0·03	NW : W	WSW	2·9	0·37	324	c r$_o$ r t l R R	c *Acu*	c *Frcu* y	c
3	2·3	0·52	2·1	0·46	WSW	WSW	2·0	0·20	290	c	c *Stcu*	c *Stcu*	c b c
4	4·5	1·00	4·5	1·00	WSW : W	W : WNW	4·4	0·80	404	c	c *Stcu*	c bc *Stcu*	bc b
5	1·6	0·36	1·4	0·31	WSW : W	W : NNW	4·6	1·04	430	b w	c b *Frcu*	b c *Ci Stcu*	c r$_o$ c
6	4·7	1·00	4·7	1·00	NNW	N : NNW	3·4	0·33	275	c	c bc *Frcu* y	b y	b
7	4·7	1·00	4·7	1·00	Calm : NE : E	E : ESE	2·0	0·21	228	b	b y	b y	b w
8	4·6	0·98	4·5	0·95	Calm : ESE	ESE : E	1·6	0·14	225	b w	b c bc y	b c b *Frcu* y	b
9	4·7	1·00	4·7	1·00	Calm : ENE	E : ESE	1·0	0·07	206	b m w	b *Ci* z$_o$ y	b z$_o$ y	b z$_o$
10	4·2	0·87	4·1	0·86	Calm	SW : Calm	0·5	0·01	181	b m z$_o$	bc *Cu* z$_o$ y	bc c *Cu* y	c
11	1·6	0·34	1·1	0·22	Calm	Calm : NE	0·6	0·01	181	bc z$_o$	bc z$_o$ c y	c *Stcu* y	c r c z$_o$
12	4·7	1·00	4·7	1·00	NNE : NE	E	2·4	0·19	265	c z$_o$	c r$_o$ c *Acu*	c *Acu* b y	b
13	5·3	1·00	5·3	1·00	ENE : E	E : ESE	2·0	0·13	229	b m	b z$_o$ y	b z$_o$ y	b
14	..	..	..	..	Calm : ENE	E : ESE	0·8	0·07	205	b	b y	b v y	b c y
15	5·1	0·98	3·7	0·70	NE : Calm	Calm : SW	0·3	0·02	196	c m	bc z$_o$ y	bc *Ci* z$_o$ y	bc z$_o$
16	5·1	0·97	4·8	0·88	WSW : N : WNW	W	1·8	0·17	258	bc z$_o$	c b y	b c *Acu* b y	b y
17	4·4	0·84	3·9	0·74	WSW	W : NW	4·7	0·55	343	b c	c r$_o$	c *Stcu* y	c b
18	5·3	1·00	5·3	1·00	WSW : SW	W : NW : WSW	3·0	0·15	254	b *lu-ha* c	c *Stcu*	c *Acu Cunb* i r	c p b
19	0·0	0·00	0·0	0·00	SW : WSW	SW	2·1	0·28	281	b *lu-ha* c	c *Acu Cu*	c i r$_o$	c i r
20	5·7	1·00	5·7	1·00	SSW : SW	WSW : NW	3·7	0·60	343	c i r dd	dd c *Nbst*	c p t l c	c b
21	1·8	0·32	1·4	0·25	W : WSW : WNW	W	3·3	0·45	341	b *lu-ha* c	c *Cu* v y	c *Cu* v y	c v c
22	3·4	0·60	3·4	0·60	W : Calm	WSW	0·6	0·03	190	c	c z$_o$	c *Stcu* y	c
23	5·7	1·00	5·7	1·00	Calm : SW	S : Calm	0·4	0·01	174	c b w m$_o$	b c z$_o$ y	c *Stcu* b z$_o$ y	b
24	5·7	0·99	5·7	0·99	Calm : NE	E : NE	1·3	0·10	206	b w m	b c z$_o$ y	c b *Frcu* z$_o$ y	b z$_o$
25	4·4	0·76	3·4	0·61	NE	NE : Calm	1·0	0·11	231	b c m	c b z$_o$ y	b *Frcu* y	b
26	5·7	1·00	5·7	1·00	Calm : N	NNW : SSE	1·3	0·10	229	b c b	b c *Cist so-ha* y	b *Ci* c y	c b
27	2·4	0·38	2·3	0·37	SW : WSW	WSW	4·1	0·57	348	b	b c *Ci Stcu* y	c y	c b c
28	0·2	0·03	0·2	0·03	WSW	W : WSW : WNW	3·3	0·55	363	c m$_o$	c *Cu* v y	c *Ci Frcu* v y	c v y
29	3·6	0·57	3·5	0·56	NW : NNW	NNW : NE	3·0	0·30	291	c	c b *Frcu* y	b c y	c
30	6·3	1·00	6·3	1·00	Calm : N	N : NE : E	1·8	0·10	195	c b	b z$_o$ y	b y	b
31	6·3	1·00	6·3	1·00	Calm	NNE : Calm	0·7	0·05	182	b	b m$_o$ b y	bc *Stcu* b y	b
Means	3·8	0·72	3·6	0·69	..	..	..	0·25	261				
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 59°·2, being 1°·3 higher than
The mean *Temperature of the Dew Point* for the month was 53°·7, being 0°·4 lower than
The mean *Degree of Humidity* for the month was 64·8, being 8·4 less than
The mean *Elastic Force of Vapour* for the month was 0·415in., being 0·006in. 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 5·4.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·532. The maximum daily amount of *Sunshine* was 14·5 hours on July 8.

The highest reading of the *Solar Radiation Thermometer* was 145°·5 on July 10; and the lowest reading of the *Terrestrial Radiation Thermometer* was 33°·7 on July 31.

The *Proportions of Wind* referred to the cardinal points were N. 17, E. 19, S. 11, W. 33, calm or nearly calm conditions, 20, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 4·7 lbs. on the square foot on July 17. The mean daily *Horizontal Movement of the Air* for the month was 261 miles; the greatest daily value was 430 miles on July 5, and the least daily value was 174 miles on July 23.

Rain (0·005in. or over) fell on 5 days in the month, amounting to 0·555in., as measured by gauge No. 6 partly sunk below the ground; being 1·844in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.					
	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.	Of the Earth 4 ft. below the Surface of the Soil.			
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Aug. 1	29·950	71·1	46·1	25·0	57·8	— 4·4	52·2	46·6	11·2	24·6	1·7	67	130·2	35·0	60·3	0·000	1·5	15·5
2	29·961	74·9	48·2	26·7	60·4	— 1·7	53·9	47·8	12·6	27·8	2·2	63	142·2	37·0	60·3	0·000	13·9	15·4
3	30·022	71·5	49·1	22·4	59·2	— 2·9	55·3	52·0	7·2	18·7	0·9	77	115·7	38·2	60·2	0·000	0·1	15·4
4	30·060	80·5	48·9	31·6	62·1	— 0·0	56·7	52·1	10·0	22·0	0·2	70	135·9	38·3	60·2	0·000	3·9	15·3
5	30·129	83·6	51·3	32·3	66·4	+ 4·3	59·2	53·5	12·9	26·9	1·0	63	137·2	41·8	60·2	0·000	8·2	15·3
6	30·196	83·3	56·9	26·4	69·4	+ 7·2	62·3	57·3	12·1	28·0	0·3	65	143·5	47·1	60·2	0·000	6·7	15·2
7	30·076	86·5	56·6	29·9	70·9	+ 8·7	62·5	56·4	14·5	29·0	3·5	60	135·5	47·2	60·1	0·000	6·9	15·1
8	29·830	87·7	58·9	28·8	72·0	+ 9·7	63·2	57·1	14·9	30·7	4·5	59	141·5	50·2	60·3	0·000	7·7	15·1
9	29·809	74·8	60·4	14·4	68·2	+ 5·9	62·0	57·6	10·6	17·2	3·9	69	114·9	49·9	60·3	0·000	2·6	15·0
10	29·946	85·6	52·0	33·6	68·8	+ 6·5	58·1	48·9	19·9	35·7	5·9	49	137·8	41·3	60·4	0·000	13·7	15·0
11	29·800	84·0	55·8	28·2	68·9	+ 6·5	59·4	51·6	17·3	36·5	4·2	54	147·4	50·7	60·6	0·000	9·3	14·9
12	29·596	75·2	52·7	22·5	63·3	+ 0·8	58·1	53·9	9·4	23·7	0·9	72	102·9	43·6	60·5	0·084	0·0	14·9
13	29·739	70·0	48·8	21·2	59·5	— 3·0	52·7	45·9	13·6	29·3	1·5	61	134·8	38·0	60·5	0·000	8·1	14·8
14	29·876	70·5	45·1	25·4	58·8	— 3·7	52·8	47·1	11·7	20·4	3·5	64	119·1	34·9	60·5	0·000	4·5	14·7
15	29·976	70·7	57·3	13·4	63·0	+ 0·6	54·3	45·8	17·2	24·1	8·1	53	113·2	52·8	60·5	0·000	1·6	14·7
16	29·970	71·0	52·6	18·4	63·4	+ 1·1	57·8	53·2	10·2	14·9	4·2	70	117·4	43·0	60·3	0·000	1·7	14·6
17	29·915	80·0	54·0	26·0	65·9	+ 3·8	58·9	53·2	12·7	23·2	2·8	64	137·1	47·1	60·3	0·000	3·9	14·6
18	29·886	79·8	57·6	22·2	66·2	+ 4·3	59·9	55·1	11·1	22·2	3·2	68	141·8	52·0	60·2	0·012	1·7	14·5
19	29·932	82·7	54·1	28·6	67·2	+ 5·5	60·4	55·3	11·9	24·1	2·1	66	138·4	48·2	60·3	0·000	10·2	14·4
20	29·989	87·9	56·9	31·0	69·9	+ 8·4	62·2	56·7	13·2	26·8	2·5	62	143·9	50·4	60·4	0·000	10·4	14·4
21	29·831	87·1	56·6	30·5	71·6	+10·3	61·9	54·7	16·9	30·3	2·3	55	137·2	47·2	60·6	0·000	12·2	14·3
22	29·734	90·9	58·6	32·3	72·8	+11·7	62·9	56·0	16·8	33·5	3·7	55	139·4	48·3	60·8	0·000	12·7	14·3
23	29·682	71·8	57·2	14·6	63·3	+ 2·4	61·4	60·1	3·2	7·0	1·2	89	93·0	47·3	60·7	0·377	0·0	14·2
24	29·641	65·3	54·9	10·4	60·5	— 0·3	59·9	59·5	1·0	3·0	0·0	96	83·6	52·2	60·7	0·776	0·0	14·1
25	29·821	70·6	52·2	18·4	60·3	— 0·4	57·3	54·8	5·5	18·3	0·0	82	101·9	45·2	60·7	0·000	2·2	14·1
26	29·646	76·4	51·0	25·4	63·2	+ 2·5	59·9	57·5	5·7	16·5	0·0	81	120·9	44·6	60·7	0·001*	7·6	14·0
27	29·322	65·5	49·3	16·2	60·0	— 0·6	55·3	51·1	8·9	19·4	1·5	73	104·4	38·4	60·6	0·200	6·0	14·0
28	29·318	70·9	42·0	28·9	53·9	— 6·5	49·1	43·9	10·0	22·3	0·9	69	131·5	32·0	60·5	0·000	4·7	13·9
29	29·509	69·7	45·2	24·5	55·7	— 4·6	50·0	43·9	11·8	23·2	1·6	64	126·8	39·1	60·3	0·000	7·6	13·8
30	29·634	66·1	51·6	14·5	57·1	— 3·0	53·9	51·0	6·1	13·8	0·0	80	103·6	48·2	60·1	0·693	1·0	13·8
31	29·623	75·9	60·2	15·7	64·6	+ 4·7	60·7	57·9	6·7	16·9	1·2	79	128·1	56·6	60·1	0·043	7·3	13·7
Means	29·820	76·8	53·0	23·9	64·0	+ 2·4	57·9	52·8	11·2	22·9	2·2	67·7	125·8	44·7	60·4	Sum 2·186	5·7	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.

*Rainfall (Column 16). The amount entered on August 26 is derived from dew.

The mean reading of the *Barometer* for the month was 29·820in., being 0·030in. higher than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 90°·9 on August 22; the lowest in the month was 42°·0 on August 28; and the range was 48°·9.

The mean of all the highest daily readings in the month was 76°·8, being 4°·1 higher than the average for the 65 years, 1841–1905.

The mean of all the lowest daily readings in the month was 53°·0, being equal to the average for the 65 years, 1841–1905.

The mean of the daily ranges was 23°·9, being 4°·2 greater than the average for the 65 years, 1841–1905.

The mean for the month was 64°·0, being 2°·4 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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				
Aug. 1	6·3	1·00	6·3	1·00	Calm	E : SE	0·7	0·01	172	b w	c *Ci Stcu* y	c *Ci* y	c b
2	6·2	0·99	6·2	0·99	ENE : NNE	NE : Calm	1·4	0·07	210	b	b bc *Cu* y	bc *Frcu* b y	b
3	5·5	0·80	5·5	0·80	Calm	NNE : E : Calm	0·5	0·04	171	b w c m_o	c *Acu* z	c *Stcu* y	bc
4	6·5	0·97	6·5	0·97	Calm : WSW	SW	0·3	0·04	184	b c	c bc *Frcu* y	bc y c	c b
5	6·4	0·95	5·6	0·82	Calm : N	Calm	0·1	0·00	151	b z	b c y	c *Frcu* y	c b
6	6·7	1·00	6·5	0·97	Calm : NE	NE : Calm : S	0·2	0·02	164	b f	b m c y	c *Acu Cu* y	c b
7	6·1	0·91	5·7	0·80	S : Calm	Calm : SSW	0·2	0·01	173	b	b z_o y	b c *Stcu* z_o y	c b z_o
8	1·6	0·24	1·2	0·18	SSW : Calm	SE : E : SSE	1·2	0·07	180	b z_o	b bc *Frcu* y	c b *Ci* y c	c
9	6·7	1·00	6·7	1·00	Calm : NNW	NNW : NW	0·6	0·10	222	c	c *Stcu* z_o	c *Stcu* z_o b y	b
10	7·1	0·98	6·5	0·89	Calm : WSW	SW	2·0	0·13	241	b z_o	b y	b *Cicu* y	b y
11	6·3	0·88	5·6	0·75	SW : WSW	WSW : SW	0·9	0·07	233	b	b c *Acu* y	c bc *Acu* y	c
12	0·0	0·00	0·0	0·00	Calm	N : NNE	3·6	0·35	254	c	c *Ast Frst* m_o	c *Ast Frst* y	c r r_o
13	7·3	1·00	7·3	1·00	NNE	NNE : Calm	3·3	0·56	317	c	c *Stcu* y	c *Stcu* v y	b
14	0·0	0·00	0·0	0·00	Calm : NNW	NW : Calm	1·0	0·07	201	b c	c *Cu Frcu* y	c *Stcu* y	c
15	1·4	0·19	1·1	0·15	NNW : Calm	NW : WSW	0·5	0·02	187	c	c *Stcu* y	c *Stcu* y	c
16	2·1	0·30	1·8	0·24	WSW : W	WSW	0·5	0·05	207	c	c *Cu Frcu*	c *Stcu*	c
17	0·0	0·00	0·0	0·00	Calm : WSW	WSW : SW	0·4	0·03	189	c *lu-ha*	c r_o c *Cist*	c y	c
18	7·2	0·93	6·9	0·89	WSW	WSW : SW	0·9	0·05	222	c r d	c *Acu* y	c r_o c	c b
19	7·5	0·96	6·9	0·89	WSW	WSW	1·0	0·06	235	b	b c *Ci so-ha* y	c *Acu Ci* b y	b c *lu-ha*
20	7·7	1·00	7·7	1·00	WSW : Calm	SSW : SSE	0·3	0·03	187	b	b *Ci* y	b c b y	b
21	7·7	1·00	7·7	1·00	SE : Calm : SSW	SSW : SSE	1·5	0·13	223	b m_o	b y	b *Frcu* y	b
22	6·3	0·87	5·8	0·80	Calm : SSW	SSW	2·2	0·22	239	b m_o	b y	b y	b
23	0·0	0·00	0·0	0·00	Calm : E	SSE : SSW : Calm	1·0	0·05	187	bc c r_o	t l R r c	c i r	c
24	3·8	0·48	2·4	0·30	Calm	SW : Calm	1·4	0·05	184	c d_o R rr	rr m	r m c R r	i r c
25	6·8	0·85	6·5	0·81	Calm	Calm	0·0	0·00	145	c	c r_o	c r_o c b	c b
26	0·0	0·00	0·0	0·00	Calm : W	SW : SSW	1·8	0·10	217	b m w	b f m_o	b m_o c	c
27	8·0	1·00	8·0	1·00	SSW : SW : NW	NW : WSW	3·0	0·33	297	c rr	b c *Ast*	c r_o b y	b
28	8·0	1·00	7·9	0·99	Calm : SW	SW : Var.	1·7	0·03	186	b	b c *Cu* y	c *Cunb* y	c t l b
29	2·5	0·32	0·7	0·08	WSW	WSW	0·7	0·10	243	b w	c b c y	c *Stcu* y	c
30	1·7	0·21	1·2	0·15	SSW	SSW : SE : WSW	3·8	0·47	296	c	c r_o c *Cist so-ha*	c r R R	r d c
31	1·6	0·19	1·3	0·15	SW	SW	5·7	0·80	348	i r c	c *Ci Frst*	c i r_o	c
Means	4·7	0·65	4·4	0·60	..	..	..	0·13	215				
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°·9, being 0°·4 higher than
The mean *Temperature of the Dew Point* for the month was 52°·8, being 1°·5 lower than
The mean *Degree of Humidity* for the month was 67·7, being 9·1 less than
The mean *Elastic Force of Vapour* for the month was 0·402in., being 0·022in. 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 6·2.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·393. The maximum daily amount of *Sunshine* was 13·9 hours on August 2.

The highest reading of the *Solar Radiation Thermometer* was 147°·4 on August 11; and the lowest reading of the *Terrestrial Radiation Thermometer* was 32°·0 on August 28.

The *Proportions of Wind* referred to the cardinal points were N. 9, E. 7, S. 22, W. 27, calm or nearly calm conditions, 35, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 5·7 lbs. on the square foot on August 31. The mean daily *Horizontal Movement of the Air* for the month was 215 miles; the greatest daily value was 348 miles on August 31, and the least daily value was 145 miles on August 25.

Rain (0·005in. or over) fell on 7 days in the month, amounting to 2·186in., as measured by gauge No. 6 partly sunk below the ground; being 0·158in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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	29·674	71·6	58·1	13·5	64·2	+ 4·4	61·4	59·5	4·7	9·1	0·0	85	105·6	54·5	60·0	0·240	1·5	13·6
2	29·645	70·9	54·4	16·5	62·4	+ 2·7	58·4	55·3	7·1	16·8	0·8	77	122·8	49·8	60·1	0·030	6·9	13·6
3	29·734	74·4	51·1	23·3	60·9	+ 1·3	56·5	52·8	8·1	19·4	1·3	74	129·5	46·1	60·0	0·000	8·9	13·5
4	29·597	70·4	51·8	18·6	59·1	− 0·4	55·6	52·7	6·4	17·3	1·0	79	120·0	46·7	60·0	0·147	4·7	13·5
5	29·666	72·1	51·3	20·8	58·8	− 0·6	54·6	50·9	7·9	19·2	0·6	75	136·0	45·5	60·0	0·434	5·0	13·4
6	29·850	67·6	50·1	17·5	57·7	− 1·5	52·4	47·2	10·5	19·3	0·7	68	116·3	43·8	59·8	0·000	9·1	13·3
7	30·014	66·9	45·5	21·4	55·6	− 3·4	49·8	43·5	12·1	21·5	3·5	64	128·1	32·1	59·7	0·000	9·4	13·3
8	30·033	68·7	42·4	26·3	55·4	− 3·4	51·1	46·8	8·6	16·4	1·5	73	126·4	32·0	59·5	0·000	8·8	13·2
9	30·001	66·2	47·8	18·4	56·6	− 2·0	52·6	48·7	7·9	16·2	1·4	75	105·7	38·7	59·4	0·000	0·6	13·1
10	30·070	69·0	43·0	26·0	55·1	− 3·3	49·9	44·4	10·7	20·9	2·6	67	126·8	31·5	59·3	0·000	6·1	13·0
11	29·837	71·7	44·6	27·1	57·7	− 0·4	52·4	47·2	10·5	20·0	2·5	68	123·8	34·8	59·2	0·000	9·4	13·0
12	29·618	76·7	48·0	28·7	60·3	+ 2·3	56·5	53·3	7·0	14·8	1·4	78	132·4	37·4	59·1	0·000	5·7	12·9
13	29·679	71·1	54·0	17·1	61·9	+ 4·1	57·0	52·9	9·0	18·8	1·9	72	126·9	50·2	59·1	0·002	3·3	12·9
14	29·697	72·3	53·0	19·3	61·1	+ 3·4	57·0	53·7	7·4	17·7	2·0	76	123·6	49·7	59·1	0·035	7·8	12·8
15	29·458	65·1	52·3	12·8	58·3	+ 0·7	55·7	53·5	4·8	7·7	0·3	84	107·0	47·9	59·0	0·033	1·8	12·7
16	29·321	65·4	52·1	13·3	57·7	+ 0·2	53·1	48·8	8·9	17·7	2·4	72	110·8	46·1	59·0	0·131	4·8	12·7
17	29·117	65·9	53·9	12·0	58·8	+ 1·6	52·9	47·3	11·5	17·7	7·1	65	117·1	48·1	58·9	0·008	7·3	12·6
18	29·600	64·4	51·1	13·3	56·7	− 0·2	52·2	47·9	8·8	18·5	4·5	72	118·8	45·6	58·8	0·005	6·6	12·5
19	29·488	73·3	55·6	17·7	63·4	+ 6·9	58·7	55·1	8·3	19·9	1·8	74	124·3	52·3	58·9	0·290	7·8	12·5
20	29·832	73·4	52·2	21·2	63·0	+ 6·8	60·1	57·9	5·1	9·4	1·8	84	123·9	41·7	58·7	0·027	2·9	12·4
21	29·945	70·0	49·1	20·9	59·5	+ 3·6	57·6	56·2	3·3	7·6	0·0	89	116·7	39·0	58·5	0·004	3·2	12·3
22	29·611	64·8	50·0	14·8	59·9	+ 4·3	57·4	55·3	4·6	13·1	0·0	85	99·0	45·2	58·7	0·216	1·5	12·3
23	29·844	64·5	44·6	19·9	53·0	− 2·4	49·1	45·0	8·0	18·7	2·1	74	118·8	38·7	58·7	0·000	9·5	12·2
24	29·673	61·9	45·0	16·9	54·2	− 1·1	52·7	51·3	2·9	9·0	1·2	90	87·5	35·0	58·5	0·345	0·0	12·2
25	29·732	59·8	44·3	15·5	54·2	− 1·0	48·5	42·0	12·2	18·4	3·4	64	113·5	33·7	58·3	0·000	8·7	12·1
26	29·903	61·9	38·1	23·8	51·2	− 4·0	47·7	43·7	7·5	16·8	0·9	76	99·6	28·6	58·2	0·002	1·1	12·0
27	29·729	73·6	55·5	18·1	62·2	+ 7·1	59·7	57·9	4·3	11·7	0·5	86	121·9	52·7	58·1	0·012	3·3	11·9
28	29·652	72·8	57·6	15·2	63·3	+ 8·4	60·9	59·2	4·1	14·8	0·5	87	120·6	54·7	58·0	0·282	4·7	11·9
29	29·649	58·8	49·6	9·2	55·5	+ 0·8	53·9	52·5	3·0	8·3	0·9	90	85·6	49·8	57·9	0·423	1·8	11·8
30	29·474	60·1	47·4	12·7	54·0	− 0·4	51·1	48·3	5·7	11·6	1·5	81	107·7	43·0	58·1	0·239	1·9	11·8
Means	29·705	68·2	49·8	18·4	58·4	+ 1·2	54·6	51·0	7·4	15·6	1·7	76·8	116·6	43·2	59·0	Sum 2·905	5·1	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 29·705in., being 0·113in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 76°·7 on September 12 ; the lowest in the month was 38°·1 on September 26 ; and the range was 38°·6.

The mean of all the highest daily readings in the month was 68°·2, being 0°·9 higher than the average for the 65 years, 1841–1905.

The mean of all the lowest daily readings in the month was 49°·8, being 0°·7 higher than the average for the 65 years, 1841–1905.

The mean of the daily ranges was 18°·4, being 0°·2 greater than the average for the 65 years, 1841–1905.

The mean for the month was 58°·4, being 1°·2 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
Sept. 1	6·8	0·80	6·2	0·73	SW : SSW	SE : Calm : SSW	0·9	0·10	212	c	c *Acu*	c P	P t l R b
2	8·5	1·00	8·5	1·00	SSW : SW	SW : SSW	3·6	0·47	322	b	c r bc *Cunb*	bc *Cunb* p	b
3	4·1	0·48	3·4	0·40	SSW : SW	SW	3·0	0·33	276	b w	b c *Cunb*	c *Cu Frcu*	c
4	6·9	0·81	6·7	0·79	SSW : SW	WNW : WSW	1·7	0·17	268	c r b c	c r c *Cunb*	c *Frcu* y	c p b
5	3·1	0·37	3·0	0·35	SW : WSW	WSW : N	2·8	0·33	266	b c d c	c *Frcu Ci*	c *Stcu* y	r$_o$ rr c
6	7·0	0·83	6·5	0·76	NNW : W	NW : WNW : N	1·1	0·21	239	c m	c b c	c bc *Frcu* y	b c
7	9·3	1·00	9·3	1·00	Calm	N : ENE	1·3	0·16	204	c b w m$_o$	b bc *Frcu* y	bc b y	b
8	6·3	0·68	2·7	0·29	Calm : E	ESE : E	0·8	0·11	193	b w m$_o$	b c *Frcu Ci*	c y	c
9	4·6	0·49	4·0	0·43	Calm	E	0·8	0·07	176	c bc w m	c *Stcu* m c	c *Stcu*	c
10	5·1	0·56	4·6	0·50	Calm	SE : ESE	0·9	0·09	167	c b w m$_o$	c *Acu* y	c b y	b c
11	7·3	0·79	6·3	0·68	Calm : S	S : SSE	1·0	0·05	185	c b w	c b *Cu* y	b *Frcu* y	b c
12	6·8	0·73	6·0	0·65	Calm :SSE	SSW : S	1·7	0·30	208	c w	c b c *Acu*	c *Acu*	c b w
13	8·8	0·95	8·3	0·90	SSW : WSW	SW : SSW	2·6	0·71	331	c d	c b c *Acu Cicu* y	c *Acu* y b	b c *lu-ha*
14	7·3	0·75	5·4	0·55	SSW : SW	SW	5·1	0·89	343	c *lu-ha* w	b c *Frcu*	c r c b	b c *lu-ha*
15	9·7	0·99	9·7	0·99	SSW : S	SW	4·2	0·70	334	c	c r$_o$ d$_o$ p	c *Nbst* r$_o$ bc	b
16	3·3	0·34	2·5	0·26	SW : WSW	SW : SSW	18·0	1·70	434	b	b c *Nbst*	c r$_o$	i d c i r q
17	9·1	0·93	8·5	0·87	SW : WSW	WSW : SW	20·5	4·77	636	c i r q	c p q	c p bc y	b
18	0·0	0·00	0·0	0·00	WSW	WSW : SW	6·0	1·13	405	b c p$_o$ bc	bc *Cunb Ci*	c p c	c r$_o$
19	5·4	0·55	4·8	0·49	SW : WSW	WSW	19·0	3·60	573	rr r$_o$	r$_o$ c bc	b *Cu* y	b c
20	8·7	0·89	8·5	0·87	SW	SW : W : Calm	3·5	0·51	322	c	o d c	c *Stcu*	b c
21	7·0	0·70	5·9	0·59	Calm : ESE	SE : ESE	0·2	0·00	181	c m f w	c d$_o$ c	c *Stcu*	b w c d
22	6·9	0·69	6·6	0·66	ESE : SW : WSW	W : WSW	4·1	0·47	347	c m$_o$	c r R r$_o$	c r c	c r r$_o$ b
23	5·9	0·59	5·6	0·56	WSW : W	W : WSW	1·3	0·09	284	b c b	b m$_o$	bc *Stcu Cu* y	b
24	2·2	0·22	1·5	0·15	SSW	SSW : SW : WSW	4·5	0·44	323	c r	c r c	rr	r d$_o$ c b
25	10·0	1·00	10·0	1·00	NW : NNW	NW	6·4	0·63	347	c b	b c *Frcu* y	c b y	b w
26	0·0	0·00	0·0	0·00	SW : Calm	SSW	0·5	0·01	198	b w x m	c b c *Acu* y	c d$_o$	o i d
27	1·3	0·13	1·1	0·11	SSW : SW	SW : SSW	0·9	0·08	273	o i d	o i d c	c *Acu*	d d$_o$
28	1·8	0·18	1·1	0·11	S : SSW	SSW	0·7	0·04	232	d R d d$_o$	d$_o$ c	c b c	c i r
29	3·5	0·34	2·6	0·25	Calm : NNE : NNW	NW : WSW : SW	4·0	0·23	283	c m$_o$	c r R r$_o$ m	rr c b m$_o$	c
30	10·2	0·99	10·2	0·99	SSW : SW : W	WSW : SW	7·0	0·48	365	c r r$_o$ i r	c i r b c *Cunb*	c p r c	b
Means	5·9	0·63	5·3	0·56	..	..	..	0·63	298				
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 54°·6, being 0°·5 higher than
The mean *Temperature of the Dew Point* for the month was 51°·0, being 0°·1 lower than
The mean *Degree of Humidity* for the month was 76·8, being 3·1 less than
The mean *Elastic Force of Vapour* for the month was 0·376in., being 0·003in. 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 0·404. The maximum daily amount of *Sunshine* was 9·5 hours on September 23.

The highest reading of the *Solar Radiation Thermometer* was 136°·0 on September 5; and the lowest reading of the *Terrestrial Radiation Thermometer* was 28°·6 on September 26.

The *Proportions of Wind* referred to the cardinal points were N. 6, E. 7, S. 38, W. 35, calm or nearly calm conditions, 14, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 20·5 lbs. on the square foot on September 17. The mean daily *Horizontal Movement of the Air* for the month was 298 miles; the greatest daily value was 636 miles on September 17, and the least daily value was 167 miles on September 10.

Rain (0·005in. or over) fell on 17 days in the month, amounting to 2·905in., as measured by gauge No. 6 partly sunk below the ground; being 0·757in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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	29·337	59·9	46·1	13·8	51·9	— 2·2	48·1	43·9	8·0	13·8	4·1	74	107·0	41·9	58·1	0·012	6·5	11·7
2	29·199	58·8	42·0	16·8	50·7	— 3·0	48·3	45·7	5·0	11·8	1·0	83	89·8	36·1	57·7	0·073	1·9	11·6
3	28·924	55·3	44·3	11·0	49·7	— 3·6	48·3	46·8	2·9	10·9	0·6	90	91·1	40·2	57·4	0·470	1·8	11·6
4	28·999	61·0	47·2	13·8	53·3	+ 0·3	51·9	50·6	2·7	7·2	0·0	91	100·8	42·0	57·3	0·439	3·5	11·5
5	29·171	60·7	48·2	12·5	52·9	+ 0·1	50·7	48·6	4·3	9·9	2·0	85	102·0	42·6	57·1	0·015	3·4	11·4
6	29·509	58·2	42·8	15·4	49·2	— 3·3	47·7	46·0	3·2	9·6	0·7	89	92·8	32·4	56·9	0·007	1·4	11·4
7	29·748	61·5	39·0	22·5	49·0	— 3·3	46·1	42·6	6·4	12·5	0·5	79	101·5	29·8	56·7	0·000	5·6	11·3
8	29·603	55·6	42·8	12·8	48·8	— 3·2	47·3	45·6	3·2	6·7	1·4	89	89·7	38·2	56·4	0·350	0·8	11·3
9	29·523	59·0	45·7	13·3	53·0	+ 1·4	50·6	48·3	4·7	10·2	1·8	83	93·6	42·5	56·2	0·045	0·7	11·2
10	29·382	60·6	48·5	12·1	55·5	+ 4·2	50·9	46·2	9·3	19·3	1·8	71	106·8	42·1	56·0	0·620	7·1	11·1
11	29·764	61·6	43·6	18·0	51·3	+ 0·4	47·1	42·3	9·0	15·9	3·9	71	113·8	36·6	56·0	0·001*	8·9	11·0
12	30·040	59·7	39·2	20·5	47·9	— 2·7	44·8	40·9	7·0	16·5	1·1	76	108·0	31·9	55·8	0·000	8·3	11·0
13	30·140	59·5	40·9	18·6	49·6	— 0·7	47·0	44·1	5·5	13·9	0·9	81	91·3	31·8	55·7	0·001*	1·2	10·9
14	30·106	60·5	48·6	11·9	54·6	+ 4·5	52·8	51·1	3·5	6·3	2·0	88	80·1	43·0	55·3	0·000	0·0	10·9
15	30·118	61·9	52·9	9·0	57·1	+ 7·2	54·8	52·9	4·2	8·4	1·2	85	79·4	49·6	55·2	0·000	0·0	10·8
16	30·109	63·2	53·8	9·4	57·8	+ 8·0	55·7	53·9	3·9	5·8	2·6	87	77·3	49·3	55·2	0·019	0·0	10·7
17	30·128	60·3	47·4	12·9	54·4	+ 4·8	50·8	47·2	7·2	13·8	1·9	76	94·1	39·1	55·1	0·005	4·5	10·7
18	30·011	59·9	50·8	9·1	54·5	+ 5·2	50·4	46·2	8·3	15·6	2·6	74	103·9	44·0	55·1	0·000	3·7	10·6
19	29·413	55·8	45·0	10·8	51·6	+ 2·5	46·0	39·0	12·6	20·1	3·9	62	101·2	39·2	55·1	0·036	8·0	10·5
20	29·565	49·4	36·4	13·0	44·5	— 4·3	39·7	32·2	12·3	16·9	5·8	62	83·7	27·7	55·1	0·000	2·5	10·5
21	29·767	46·7	28·0	18·7	39·3	— 9·3	34·5	25·3	14·0	18·3	4·0	57	90·5	18·1	55·0	0·043	6·2	10·4
22	29·697	48·7	35·1	13·6	42·5	— 5·8	40·6	37·9	4·6	8·5	1·5	84	73·7	27·2	54·7	0·003	0·9	10·3
23	29·674	54·5	32·5	22·0	41·8	— 6·3	38·7	33·8	8·0	21·3	0·5	73	101·0	25·2	54·3	0·000	9·1	10·3
24	29·658	51·2	42·9	8·3	46·1	— 1·8	42·4	37·4	8·7	19·1	3·4	71	94·7	37·0	54·0	0·000	4·1	10·2
25	29·836	52·3	35·4	16·9	44·8	— 2·9	40·8	34·8	10·0	16·5	3·8	68	93·8	24·8	53·7	0·004	6·1	10·1
26	30·010	54·3	29·7	24·6	42·7	— 4·9	41·0	38·6	4·1	8·5	0·5	85	78·8	21·7	53·2	0·002	1·3	10·1
27	29·806	60·1	54·3	5·8	57·5	+10·0	54·7	52·3	5·2	8·7	3·0	83	66·3	52·1	53·2	0·001	0·0	10·0
28	29·786	62·4	56·8	5·6	59·1	+11·7	56·2	53·8	5·3	7·4	0·5	83	75·7	53·7	53·0	0·085	0·0	10·0
29	29·702	60·4	44·5	15·9	56·1	+ 8·8	52·6	49·3	6·8	17·4	2·4	78	84·2	39·8	53·1	0·000	0·6	9·9
30	29·528	56·2	41·7	14·5	49·2	+ 2·0	45·6	41·2	8·0	14·1	6·5	74	99·4	37·3	52·7	0·005	0·8	9·8
31	29·267	59·7	50·6	9·1	55·0	+ 7·9	52·7	50·6	4·4	12·0	2·1	85	57·2	47·0	52·7	0·297	1·8	9·8
Means	29·662	57·7	43·8	13·9	50·7	+ 0·7	47·7	44·2	6·5	12·8	2·2	78·6	91·1	37·5	55·3	Sum 2·533	3·3	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 (Column 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.

* Rainfall (Column 16). The amounts entered on October 11 and on October 13 are derived from dew.

The mean reading of the *Barometer* for the month was 29·662in., being 0·066in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 63°·2 on October 16; the lowest in the month was 28°·0 on October 21; and the range was 35°·2.
The mean of all the highest daily readings in the month was 57°·7, being 0°·2 higher than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 43°·8, being 0°·6 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 13°·9, being 0°·4 less than the average for the 65 years, 1841–1905.
The mean for the month was 50°·7, being 0°·7 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.	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	5·5	0·53	4·9	0·48	SW : WSW	SW : W	4·2	0·38	373	b w	b c *Cist Cunb*	c *Cist Cunb* p	c
2	4·6	0·45	3·6	0·36	WSW : SW	SSW : S : SW	2·6	0·15	286	c b w	b m c *Acu*	c i d$_o$	d r c
3	1·2	0·12	0·0	0·00	SSW	S : SE : E	0·7	0·03	233	c	c *Nbst* i r	rr r$_o$	c R r
4	5·7	0·56	4·9	0·48	Calm : SE : S	SSE	1·7	0·05	206	c r R	c b c R r	c *Cunb* i r c	c b c
5	10·4	0·97	9·7	0·90	SSW : SW	SSW	1·5	0·09	274	c r c	c m$_o$ b *Frcu*	c	b w
6	0·0	0·00	0·0	0·00	SSW : Calm	SW : Calm	0·2	0·01	179	b w c b	c *Stcu* f	c p c *Acu* m	c b f
7	10·6	0·98	10·2	0·95	Calm	SW : SSW	0·2	0·01	189	f w	f b	b c *Stcu* b	b w
8	7·7	0·72	6·5	0·61	SSW	SW	4·2	0·23	316	b c	c rr	rr c b	b
9	0·0	0·00	0·0	0·00	SW : SSW	SSW : SW	8·0	0·82	392	b c r c	c *Ast Frst*	c d	c i r
10	9·8	0·91	7·5	0·70	SW : WNW	WSW : SW	17·2	1·73	508	c i r R	RR r$_o$ b	b y	b c
11	10·7	0·99	10·7	0·99	SW : WSW	SW : WSW	2·0	0·16	319	c *lu-ha* w	b c *Frcu* y	c p$_o$ b m$_o$	b m$_o$
12	9·8	0·86	7·9	0·69	SW : WSW	WSW : SW	1·4	0·05	238	b w	b *Frcu* y	b c *Frcu* b	b m$_o$ w
13	8·0	0·70	6·6	0·57	SW : Calm	SW : SSW	0·9	0·05	225	b c w	c *Cist*	c *Cist so-ha*	b c
14	2·6	0·22	1·7	0·21	SSW : SW	SW	0·6	0·06	248	c d$_o$	c *Ast*	c *Ast* b	b c m
15	3·9	0·34	3·4	0·30	SW : WSW	SW	2·3	0·17	296	c d	c *St Frst*	c *Ast Frst*	c b
16	0·7	0·06	0·3	0·03	SW	SW	2·1	0·10	289	c	c *St Frst*	c *Stcu*	c r d
17	5·7	0·49	3·9	0·34	Calm : WSW	WSW	2·0	0·20	285	d c	b c *Cist*	c *Cist so-ha*	c b c
18	4·0	0·35	3·9	0·34	WNW : WSW	SW	6·0	0·54	354	c *lu-ha*	c *Acu* m$_o$	c b c	c
19	6·4	0·53	6·2	0·52	SW : WSW	W : WSW	18·0	2·84	613	c r d	b c *Frcu* y	c *Frcu* q b y	b c
20	12·0	1·00	12·0	1·00	W : NW : N	N	4·2	0·67	376	c	c r$_o$ c *Acu* y	c *Stcu* b y	b
21	2·3	0·19	1·6	0·13	NNW : WSW	N : NW : SW	1·6	0·04	234	b x m	b y	b y c f	c f c r
22	11·3	0·95	11·2	0·93	SW : N : NNE	Calm	1·3	0·02	208	r c	c *Stcu* m$_o$	c *Acu* m	b m x
23	2·9	0·24	2·5	0·21	Calm : SE : S	SSW : SE	0·8	0·03	213	b x	b *Frcu* y	b *Frcu* y	b c
24	0·0	0·00	0·0	0·00	Calm : ESE	ESE : NE	1·2	0·06	230	c p$_o$	c *Stcu Acu*	b y c	c
25	..	..	..	..	NE	NNE : Calm	0·5	0·03	219	c d$_o$	c b m$_o$	bc *Stcu* b y	b m x
26	0·0	0·00	0·0	0·00	Calm : WSW	WSW	1·2	0·06	249	b m f x	b c *Ast* m	c d	c
27	2·6	0·21	1·9	0·15	WSW : W	W : WSW	11·0	1·45	551	c d$_o$ d$_o$	c d$_o$	c *Nbst* r$_o$ c	c d$_o$
28	0·0	0·00	0·0	0·00	W : NW	NW : W	5·6	0·60	398	c	c *St*	c *Stcu*	c d$_o$ d r r$_o$
29	12·2	0·98	12·2	0·98	W : WSW	WSW : WNW	13·0	1·63	528	c	c *Stcu*	c d c b	b
30	2·7	0·21	2·2	0·18	WSW : SW	SW	8·4	1·56	489	b	b c *Stcu*	c p c	c r$_o$ c
31	0·6	0·05	0·3	0·03	SW	SSW : WSW	9·6	1·49	468	c r	c b c *Ci Acu*	c r$_o$ r	d$_o$ d$_o$ c
Means	5·1	0·45	4·5	0·40	..	..	..	0·49	322				
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 47°·7, being 0°·2 lower than
The mean *Temperature of the Dew Point* for the month was 44°·2, being 1°·4 lower than
The mean *Degree of Humidity* for the month was 78·6, being 6·3 less than
The mean *Elastic Force of Vapour* for the month was 0·291in., being 0·017in. 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 6·5.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·303. The maximum daily amount of *Sunshine* was 9·1 hours on October 23.

The highest reading of the *Solar Radiation Thermometer* was 113°·8 on October 11; and the lowest reading of the *Terrestrial Radiation Thermometer* was 18°·1 on October 21.

The *Proportions of Wind* referred to the cardinal points were N. 8, E. 4, S. 36, W. 42, calm or nearly calm conditions, 10, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 18·0 lbs. on the square foot on October 19. The mean daily *Horizontal Movement of the Air* for the month was 322 miles; the greatest daily value was 613 miles on October 19, and the least daily value was 179 miles on October 6.

Rain (0·005in. or over) fell on 16 days in the month, amounting to 2·533in., as measured by gauge No. 6 partly sunk below the ground; being 0·249in. less than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	Barometer. Means 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
Nov. 1	29·568	59·6	41·1	18·5	51·6	+ 4·6	49·7	47·7	3·9	9·8	0·4	87	72·0	33·1	53·2	0·095	0·0	9·7
2	29·779	58·0	47·7	10·3	53·5	+ 6·7	52·4	51·4	2·1	5·8	1·0	92	66·3	40·4	53·2	0·050	0·0	9·7
3	29·643	62·8	49·0	13·8	56·1	+ 9·5	53·9	52·1	4·0	11·6	0·8	86	102·4	42·3	52·7	0·008	6·7	9·6
4	29·417	56·6	46·1	10·5	51·8	+ 5·4	50·2	48·6	3·2	8·2	0·9	89	87·6	40·3	52·7	0·063	1·5	9·5
5	29·394	51·2	40·0	11·2	46·8	+ 0·7	46·0	45·0	1·8	5·8	0·0	94	61·2	31·0	53·1	0·005	0·0	9·5
6	29·588	51·9	36·1	15·8	43·1	− 2·7	41·0	38·0	5·1	12·7	1·0	83	87·0	29·8	52·7	0·003	3·7	9·4
7	29·319	47·3	36·1	11·2	42·4	− 3·0	41·6	40·6	1·8	2·6	0·0	93	51·1	31·5	53·0	0·635	0·0	9·4
8	29·287	47·1	34·6	12·5	43·0	− 2·0	42·1	40·9	2·1	3·1	0·4	92	52·9	28·7	52·7	0·204	0·2	9·3
9	29·200	51·9	41·1	10·8	46·3	+ 1·7	44·3	41·9	4·4	15·4	1·0	84	74·2	36·6	52·4	0·060	2·0	9·3
10	29·449	54·3	41·1	13·2	48·4	+ 4·1	46·2	43·7	4·7	9·1	1·0	83	84·3	35·0	52·1	0·090	1·9	9·2
11	29·594	51·9	38·6	13·3	45·3	+ 1·3	43·6	41·4	3·9	10·4	0·7	86	79·7	32·7	51·9	0·007	4·7	9·2
12	29·439	50·0	38·0	12·0	44·7	+ 1·0	43·0	40·8	3·9	11·4	0·8	86	79·0	34·6	51·7	0·300	3·4	9·1
13	29·469	48·5	38·1	10·4	42·4	− 1·1	41·0	39·1	3·3	8·3	0·0	88	80·1	33·3	51·2	0·347	1·6	9·0
14	29·657	53·4	38·3	15·1	48·1	+ 4·8	46·1	43·8	4·3	7·7	2·5	85	69·6	33·5	51·2	0·004	0·1	9·0
15	29·489	52·1	40·0	12·1	48·8	+ 5·7	46·8	44·6	4·2	8·5	2·3	85	76·1	35·3	51·0	0·048	2·2	8·9
16	29·384	48·9	38·2	10·7	43·5	+ 0·7	42·3	40·8	2·7	5·9	0·6	90	86·3	33·8	50·8	0·283	1·3	8·9
17	28·893	48·6	43·4	5·2	46·5	+ 3·9	45·4	44·1	2·4	5·4	0·0	91	50·7	41·7	50·7	0·751	0·0	8·8
18	29·275	49·2	44·1	5·1	46·3	+ 3·9	44·3	41·9	4·4	6·7	2·4	84	54·1	40·9	50·5	0·053	0·1	8·8
19	29·464	51·9	35·3	16·6	44·9	+ 2·6	42·6	39·5	5·4	13·1	0·8	81	86·8	28·0	50·4	0·070	1·5	8·7
20	29·321	50·9	44·5	6·4	48·0	+ 5·8	47·5	47·1	0·9	2·0	0·2	96	53·0	43·5	50·3	0·144	0·0	8·7
21	29·486	50·8	38·6	12·2	44·8	+ 2·7	43·7	42·4	2·4	4·1	0·4	91	50·2	32·0	50·2	0·023	0·0	8·6
22	29·668	47·0	41·9	5·1	44·3	+ 2·2	43·3	42·1	2·2	4·1	0·4	92	52·0	36·7	50·2	0·000	0·0	8·6
23	29·752	44·9	34·5	10·4	41·2	− 0·8	39·1	36·0	5·2	8·3	2·0	82	70·3	28·3	50·0	0·001*	3·4	8·5
24	29·908	42·6	33·1	9·5	37·5	− 4·5	35·7	32·8	4·7	5·4	0·8	83	62·9	27·2	50·0	0·000	4·7	8·5
25	29·998	38·9	29·4	9·5	33·6	− 8·3	33·1	32·3	1·3	4·2	0·0	95	44·2	24·6	49·7	0·001*	0·4	8·4
26	29·833	50·5	30·9	19·6	42·0	+ 0·2	39·7	36·3	5·7	11·0	2·4	80	67·6	25·0	49·3	0·002	1·9	8·4
27	29·821	47·6	38·2	9·4	42·8	+ 1·1	40·7	37·7	5·1	7·7	1·8	82	66·1	33·5	49·1	0·000	3·3	8·4
28	29·491	56·0	44·2	11·8	50·9	+ 9·4	48·8	46·5	4·4	10·0	1·0	85	64·3	42·2	49·0	0·091	0·0	8·3
29	29·600	49·5	40·7	8·8	46·0	+ 4·8	43·0	39·1	6·9	9·7	4·3	77	67·3	33·9	48·7	0·000	3·5	8·3
30	29·315	50·5	42·0	8·5	46·2	+ 5·2	43·6	40·3	5·9	7·9	2·2	80	54·0	37·4	48·6	0·252	0·0	8·3
																Sum		
Means	29·517	50·8	39·5	11·3	45·7	+ 2·2	44·0	42·0	3·7	7·9	1·1	86·7	68·4	34·2	51·1	3·590	1·6	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.

* Rainfall (Column 16). The amount entered on November 23 is derived from dew and that on November 25 from frost.

The mean reading of the *Barometer* for the month was 29·517in., being 0·248in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 62°·8 on November 3; the lowest in the month was 29°·4 on November 25; and the range was 33°·4.

The mean of all the highest daily readings in the month was 50°·8, being 1°·8 higher than the average for the 65 years, 1841–1905.

The mean of all the lowest daily readings in the month was 39°·5, being 1°·6 higher than the average for the 65 years, 1841–1905.

The mean of the daily ranges was 11°·3, being 0°·2 greater than the average for the 65 years, 1841–1905.

The mean for the month was 45°·7, being 2°·2 higher than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
Nov. 1	5·8	0·47	5·3	0·42	S : SSW	WSW : SSW	6·7	0·65	328	c d$_o$d$_o$	d c r c	c *Nbst* r R c b	b c
2	5·8	0·47	3·8	0·30	S	SSW : S	1·8	0·17	276	c d c	c r r i r$_o$	c	c b
3	1·9	0·15	1·3	0·10	SE : SSE	SSE : S	2·7	0·16	264	b w c	c *Acu* b	b c *Acu*	c b c d
4	7·7	0·62	6·6	0·53	Calm : S	SSE : ESE : E	0·7	0·02	205	dd c	c p c	c *Cu Ci* b	b c m$_o$
5	7·5	0·60	7·5	0·60	Calm	WSW : W	1·4	0·03	193	c m$_o$	Fe Fe	c *Stcu* f	c f r c b
6	10·5	0·84	7·5	0·60	WSW	SSW	0·5	0·03	264	b w m$_o$	b bc *Acu Ci*	c r$_o$ c b	b m$_o$
7	5·5	0·44	5·2	0·42	S : Calm : ESE	NE : NW : WSW	3·5	0·26	294	c w	c m c *Nbst* r	rr	r d c
8	5·9	0·47	5·5	0·44	WSW : SSW	SSW : SSE	1·7	0·08	261	c b	c m$_o$ c rr	rr b	c i r
9	8·9	0·68	8·3	0·64	SSE : S : SW	SW : S	2·8	0·12	281	c	c d r c *Acu*	c b	b c
10	8·2	0·63	7·7	0·60	S	S	4·8	0·30	298	c p	c *Nbst* p	r c b	c r b
11	2·4	0·18	1·6	0·12	S	SW : S	1·7	0·04	248	b c p	c b f bc m	b *Frcu* m$_o$ c	c p c *lu-ha*
12	3·5	0·27	3·0	0·23	S : WSW	SW : S	5·0	0·27	318	c rr	b c *Acu* m$_o$	c q r b c	c i r
13	11·1	0·85	10·8	0·83	S : Calm : SSW	SSW : WSW	0·8	0·05	250	c rr	rr c m$_o$	bc *Acu Ci* b m$_o$	b c
14	2·7	0·21	2·3	0·18	SW : SSW	SSW	4·0	0·62	388	c b	b c *Ast*	c *Nbst* d$_o$d$_o$	d$_o$d
15	9·9	0·77	9·3	0·71	SSW : S	SW : SSW	4·6	0·59	359	c *lu-ha*	b c d$_o$	d$_o$ d c b	b c i r
16	1·4	0·11	1·0	0·07	S : SSW	SSW : SE	1·4	0·05	235	c i r	c i r	c *Cunb* r h i r	c rr
17	0·0	0·00	0·0	0·00	SE : ESE : N	NW : W : WSW	6·0	0·85	429	r r	i d rr m	rr m	d d$_o$
18	2·9	0·22	2·2	0·17	WSW	WSW	3·0	0·30	386	c	c d c *Stcu* m$_o$	c r r$_o$ m	r$_o$ d$_o$ c
19	0·0	0·00	0·0	0·00	WSW : SSW	S : SE	3·0	0·14	285	c b	c m c *Acu*	c d$_o$	d$_o$ r r$_o$
20	1·8	0·13	1·5	0·11	ESE	ENE : E	2·0	0·07	255	r r$_o$ c	c d$_o$ m$_o$	c i r$_o$ r m$_o$	r$_o$r$_o$ c
21	1·1	0·08	0·3	0·02	SW : Calm	Calm	0·2	0·00	164	c	c o d f	d$_o$ r$_o$ f	d$_o$ c m
22	2·1	0·16	0·5	0·04	Calm : NE	ENE : NE	0·3	0·02	214	c o m	c *Stcu* m	c *St* m$_o$	c
23	11·7	0·87	10·6	0·79	NE	NE : NNE	1·1	0·05	261	c w m	c bc *Acu*	c *Stcu* m$_o$	c b
24	10·8	0·80	9·8	0·73	N	N : NNW	0·2	0·01	217	b x c	c b m	b c m	c b m f
25	10·9	0·81	10·6	0·79	WSW	Calm : SW	0·0	0·00	216	b f m x	b m F f	f b f	b m x
26	8·1	0·60	6·1	0·46	SSW : SW	SW : WSW	3·3	0·17	339	b x c r$_o$	c b c *Acu* m$_o$	c *Stcu* m$_o$	c
27	4·8	0·35	4·3	0·32	WSW	WSW : SSW	1·0	0·08	323	c b w	b c *Ci* m	c *Ci so-ha* b m	b c m
28	6·1	0·45	5·0	0·37	SSW : SW	WSW : W	5·0	0·74	451	dd	dd c	d$_o$ c b c	c
29	9·1	0·67	7·8	0·58	W : WSW	WSW : SW	2·0	0·20	349	c b	b c m b c *Ci*	c *Ci* b c	c b
30	2·5	0·19	1·9	0·14	SSW : SW	SW : WSW	11·0	1·20	458	b c	c i r r$_o$	c *St*	c rr l t R
Means	5·7	0·44	4·9	0·38	..	..	..	0·24	294				
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 44°·0, being 2°·1 higher than
The mean *Temperature of the Dew Point* for the month was 42°·0, being 2°·3 higher than
The mean *Degree of Humidity* for the month was 86·7, being 0·1 greater than
The mean *Elastic Force of Vapour* for the month was 0·268in., being 0·022in. 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 0·179. The maximum daily amount of *Sunshine* was 6·7 hours on November 3.

The highest reading of the *Solar Radiation Thermometer* was 102°·4 on November 3; and the lowest reading of the *Terrestrial Radiation Thermometer* was 24°·6 on November 25.

The *Proportions of Wind* referred to the cardinal points were N. 6, E. 11, S. 45, W. 28, calm or nearly calm conditions, 10, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 11·0 lbs. on the square foot on November 30. The mean daily *Horizontal Movement of the Air* for the month was 294 miles; the greatest daily value was 458 miles on November 30, and the least daily value was 164 miles on November 21.

Rain (0·005in. or over) fell on 21 days in the month, amounting to 3·590in., as measured by gauge No. 6 partly sunk below the ground; being 1·370in. greater than the average fall for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.	°	°	°	°	°	°	°	°	°	°		°	°	°	ins.	hours	hours
Dec. 1	28·802	48·5	39·7	8·8	43·8	+ 2·9	40·5	35·7	8·1	12·6	3·3	73	62·8	35·0	48·6	0·088	1·1	8·2
2	28·945	45·4	37·2	8·2	40·8	— 0·1	37·4	32·0	8·8	14·4	5·4	70	62·7	31·7	48·4	0·000	4·8	8·2
3	29·070	41·8	34·0	7·8	38·1	— 3·0	35·9	32·2	5·9	8·8	3·5	79	51·0	28·7	48·3	0·000	0·0	8·2
4	29·217	42·8	30·4	12·4	36·3	— 5·0	34·6	31·7	4·6	9·3	1·8	83	47·0	25·7	48·0	0·100	0·0	8·1
5	29·455	40·3	33·0	7·3	35·8	— 5·7	34·0	30·7	5·1	7·8	2·2	82	54·7	26·2	47·7	0·026	2·3	8·1
6	29·588	41·4	31·5	9·9	37·4	— 4·1	36·4	34·7	2·7	5·5	0·9	91	46·4	28·3	47·5	0·014	0·0	8·1
7	29·704	39·0	32·0	7·0	35·3	— 6·0	34·9	34·2	1·1	3·2	0·0	96	40·1	24·5	47·0	0·066	0·0	8·0
8	29·648	46·5	37·5	9·0	41·6	+ 0·6	40·4	38·8	2·8	7·2	0·9	90	53·0	35·0	47·0	0·108	0·3	8·0
9	29·867	44·2	39·6	4·6	42·1	+ 1·5	40·6	38·5	3·6	5·1	2·1	87	53·7	34·4	46·7	0·022	0·6	8·0
10	30·210	42·3	38·9	3·4	40·8	+ 0·4	37·9	33·2	7·6	11·5	2·7	74	44·3	33·5	46·6	0·012	0·0	8·0
11	30·186	42·9	39·9	3·0	41·7	+ 1·5	40·3	38·4	3·3	4·6	1·6	88	42·0	38·5	46·4	0·036	0·0	7·9
12	30·181	40·2	36·1	4·1	38·5	— 1·8	36·6	33·6	4·9	7·7	3·1	82	41·3	34·4	46·3	0·000	0·0	7·9
13	30·097	38·2	34·2	4·0	36·6	— 3·9	34·3	30·2	6·4	8·3	3·2	77	44·8	32·0	46·2	0·000	0·0	7·9
14	29·873	36·7	29·5	7·2	34·2	— 6·5	31·6	27·0	7·2	10·0	3·0	74	34·9	26·8	46·1	0·000	0·0	7·9
15	29·457	44·2	33·7	10·5	39·5	— 1·3	37·9	35·6	3·9	6·9	1·4	86	50·1	29·0	46·1	0·113	0·4	7·9
16	29·367	45·1	34·4	10·7	38·9	— 1·8	36·4	32·2	6·7	10·9	3·6	77	53·8	29·0	46·0	0·020	0·2	7·8
17	29·455	37·0	30·8	6·2	34·3	— 6·1	33·3	31·5	2·8	3·9	0·0	90	40·7	23·0	45·7	0·002*	0·1	7·8
18	29·717	35·9	29·3	6·6	32·3	— 7·7	31·8	31·1	1·2	5·4	0·3	95	41·2	25·1	45·5	0·000	0·0	7·8
19	29·583	36·8	30·1	6·7	33·5	— 6·0	33·2	32·7	0·8	3·4	0·3	97	36·4	27·9	45·5	0·038	0·0	7·8
20	29·601	35·0	29·0	6·0	31·8	— 7·2	31·2	30·1	1·7	4·2	0·4	93	34·7	23·2	45·0	0·000	0·0	7·8
21	29·606	34·0	27·0	7·0	30·4	— 8·3	29·6	27·9	2·5	6·7	0·7	90	33·9	23·7	44·9	0·000	0·0	7·8
22	29·605	36·5	26·1	10·4	30·9	— 7·5	29·7	27·3	3·6	8·4	0·5	86	38·0	17·8	44·6	0·003*	3·6	7·8
23	29·559	27·9	20·2	7·7	25·0	—13·2	24·5	22·3	2·7	4·9	0·6	90	29·7	12·9	44·2	0·002*	0·0	7·8
24	29·143	42·7	26·3	16·4	35·8	— 2·4	35·2	34·1	1·7	4·0	0·2	94	41·8	23·1	44·1	0·119	0·0	7·8
25	28·907	48·9	41·0	7·9	45·3	+ 6·9	44·3	43·2	2·1	5·4	0·2	92	57·0	39·1	44·1	0·134	0·1	7·8
26	28·754	51·5	44·8	6·7	47·8	+ 9·2	46·5	45·0	2·8	6·8	0·7	90	60·0	43·1	43·9	0·079	0·0	7·8
27	28·921	51·2	45·6	5·6	48·4	+ 9·6	46·9	45·2	3·2	5·4	2·4	89	59·8	42·8	44·0	0·329	0·2	7·9
28	29·033	52·0	42·9	9·1	47·2	+ 8·3	46·1	44·8	2·4	4·7	1·0	91	61·6	37·8	44·0	0·285	0·3	7·9
29	29·388	48·0	40·5	7·5	44·0	+ 5·0	42·8	41·3	2·7	6·2	1·4	90	60·7	38·0	44·2	0·074	3·1	7·9
30	29·082	50·9	46·0	4·9	48·3	+ 9·4	46·7	44·9	3·4	6·4	2·1	88	62·4	43·7	44·6	0·404	0·5	7·9
31	29·161	50·5	45·8	4·7	48·1	+ 9·4	46·7	45·1	3·0	6·7	1·7	89	51·0	42·3	44·8	0·380	0·0	7·9
Means	29·457	42·5	35·1	7·5	38·9	— 1·1	37·4	35·0	3·8	7·0	1·7	86·2	48·1	30·8	45·9	Sum 2·454	0·6	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.

* Rainfall (Column 16). The amounts entered on December 17, 22, and 23 are derived from hoar frost.

The mean reading of the *Barometer* for the month was 29·457in., being 0·335in. lower than the average for the 65 years, 1841–1905.

TEMPERATURE OF THE AIR.

The highest in the month was 52°·0 on December 28; the lowest in the month was 20°·2 on December 23; and the range was 31°·8.
The mean of all the highest daily readings in the month was 42°·5, being 1°·7 lower than the average for the 65 years, 1841–1905.
The mean of all the lowest daily readings in the month was 35°·1, being 0°·1 higher than the average for the 65 years, 1841–1905.
The mean of the daily ranges was 7°·5, being 1°·7 less than the average for the 65 years, 1841–1905.
The mean for the month was 38°·9, being 1°·1 lower than the average for the 65 years, 1841–1905.

MONTH and DAY, 1935.	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.				
Dec. 1	13·0	0·94	12·6	0·92	WSW : W	W : WSW	8·7	1·24	523	b c	c r c *Acu*	c *Acu* b	c r b c
2	13·2	0·96	12·9	0·94	WSW : W	W : WSW	7·5	0·96	468	c b	b m bc *Frcu*	bc y c r$_o$	c b
3	11·3	0·83	7·6	0·55	WSW	W : WSW	2·2	0·12	306	b x	c *Ast Cist* m	c *Ast* m b f	b f
4	8·1	0·59	7·5	0·55	WSW : WNW	WNW : SW : S	3·3	0·31	348	c	c d$_o$ r m$_o$	r c b m	b c x *lu-ha*
5	9·6	0·70	7·7	0·56	SE : NE	N : NW : WSW	1·2	0·02	245	c d r	c b m	b m f	b f x *lu-ha*
6	2·7	0·20	0·7	0·05	SW : Calm	Calm	0·0	0·00	179	c *lu-ha*	c f m r$_o$	c d$_o$ m	c d m f
7	4·0	0·29	3·3	0·24	Calm	Calm : SW	0·2	0·00	149	c m f x	Fe Fe	Fe Fe g	Fe f c r
8	4·5	0·33	3·5	0·25	WSW	W	2·5	0·10	343	r b c	c *Acu Stcu* m	c R m	c d
9	7·9	0·57	6·3	0·46	NW : N	N : NE	2·7	0·32	350	c dd d$_o$	d$_o$ m c m$_o$	c *Nbst* p m$_o$	c b c
10	0·0	0·00	0·0	0·00	NE	NE	8·0	1·35	502	c	c *Stcu*	c d$_o$	i d$_o$ c
11	0·0	0·00	0·0	0·00	NE : ENE	ENE	6·0	1·07	450	c d	d d$_o$	c id$_o$	id$_o$ o
12	2·3	0·17	1·0	0·07	ENE	ENE : NE	1·8	0·26	342	o	o c d$_o$ m$_o$	c *Stcu* m$_o$	c
13	0·0	0·00	0·0	0·00	NE : E : NNE	NNE	3·7	0·22	293	c	c *Stcu* m	c d$_o$ c m$_o$	c
14	0·6	0·04	0·4	0·03	NE	Calm : S	0·2	0·01	198	c	c *Ast Frst*	c m$_o$	c
15	10·0	0·71	9·2	0·66	SSE : SW	WSW	3·0	0·10	291	c s$_o$ r$_o$r$_o$	r$_o$ r$_o$ c d$_o$ d f	d f b c r$_o$ m	c b m
16	13·1	0·94	11·0	0·79	WSW : W	W : WNW : WSW	10·1	1·14	452	b c p b	b c r$_o$	c *Nbst* r$_o$ b m	b m
17	4·1	0·29	2·1	0·15	WSW : N	N	1·5	0·06	247	b *lu-ha* x	b c f m	c *Acu* m	c m
18	5·0	0·36	0·8	0·06	NNW : NW : WSW	SW : Calm	0·2	0·01	210	c	c b x c f	c *Cist so-ha* f	c x m
19	0·0	0·00	0·0	0·00	Calm : NE	Calm : N	0·0	0·00	182	o d d$_o$	d d$_o$ F f	o *St* f m d	d$_o$ m
20	0·0	0·00	0·0	0·00	NNW : WSW	Calm : Var.	0·2	0·00	191	o	ff x	ff x	ff x
21	13·5	0·97	10·8	0·77	WSW	WSW	0·0	0·00	241	ff x	ff x	ff x	ff b x
22	12·0	0·85	3·5	0·25	WSW	WSW : Calm	0·0	0·00	253	b x	b f x	b c b f x	b f x
23	4·2	0·30	2·2	0·16	Calm	Calm : E	0·0	0·00	147	b f x	FF x	FF x	FF
24	0·0	0·00	0·0	0·00	ESE	ESE : SSE	1·4	0·09	257	b x o	o rs rr o m	d$_o$d$_o$ m	d$_o$d$_o$ m
25	2·3	0·17	0·7	0·05	SE : SSW	SSW : SSE	1·6	0·09	282	d$_o$ r c m	c *Cist so-ha*	c *Nbst* r$_o$	c d
26	3·0	0·21	3·0	0·21	SE : S	SW : SSW	2·2	0·21	339	d d$_o$	d d$_o$ r c d	c *Acu Ci*	c b c
27	3·9	0·28	3·0	0·21	S	SW : SSW	6·0	0·60	374	c d r	R d c d	d q r bc	bc
28	1·5	0·11	0·3	0·03	SE : SSW	SW : NNW : W	1·4	0·09	268	c r d	c r r$_o$	c r$_o$ c	c
29	1·5	0·11	0·8	0·06	Calm : SSW	SSW	6·0	0·27	293	c	c r$_o$ bc *Acu*	c p b c	c rr
30	1·6	0·12	1·1	0·08	SSW	SSW : SW	7·0	1·15	454	rr c	c r$_o$ r b	c rr	r r$_o$
31	5·8	0·42	5·0	0·37	SW : SSW	SSW	6·9	0·82	399	c i r	rr	rr c b	b c
Means	5·1	0·37	3·8	0·27	..	..	..	0·34	309				
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 37°·4, being 1°·1 lower than
The mean *Temperature of the Dew Point* for the month was 35°·0, being 1°·4 lower than
The mean *Degree of Humidity* for the month was 86·2 being 1·3 less than
The mean *Elastic Force of Vapour* for the month was 0·204in., being 0·012in. 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 7·2.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0·072. The maximum daily amount of *Sunshine* was 4·8 hours on December 2.

The highest reading of the *Solar Radiation Thermometer* was 62°·8 on December 1; and the lowest reading of the *Terrestrial Radiation Thermometer* was 12°·9 on December 23.

The *Proportions of Wind* referred to the cardinal points were N. 16, E. 14, S. 24, W.33, calm or nearly calm conditions, 13, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 10·1 lbs. on the square foot on December 16. The mean daily *Horizontal Movement of the Air* for the month was 309 miles; the greatest daily value was 523 miles on December 1, and the least daily value was 147 miles on December 23.

Rain (0·005in. or over) fell on 20 days in the month, amounting to 2·454in., as measured by gauge No. 6 partly sunk below the ground; being 0·627in. greater 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.	
Universal Time, 1935.	Reading.	Universal Time, 1935.	Reading.	Universal Time, 1935.	Reading.	Universal Time, 1935.	Reading.	Universal Time, 1935.	Reading.	Universal Time, 1935.	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.
1. 9. 50	29·996	1. 14. 35	29·919	2. 0. 0	30·080	4. 11. 0	29·721	14. 21. 50	29·752	15. 16. 55	29·290
3. 8. 40	30·340	6. 6. 25	29·694	8. 11. 5	30·282	11. 16. 0	29·931	16. 11. 15	29·431	17. 4. 20	28·814
10. 10. 0	30·314	12. 7. 40	29·624	13. 8. 0	30·045	16. 2. 30	29·820	18. 19. 40	29·701	19. 7. 30	29·354
12. 23. 5	29·821	13. 23. 50	29.660	16. 20. 0	29·916	17. 15. 50	29·605	21. 1. 0	30·037	22. 6. 10	29·488
20. 21. 0	30·506	25. 21. 35	28·897	18. 21. 5	29·794	19. 17. 30	29·710	23. 21. 35	29·928	24. 20. 20	29·389
28. 10. 20	30·134	31. 5. 0	29·860	21. 23. 10	30·089	23. 15. 0	29·744	26. 9. 0	29·956	27. 4. 50	29·684
31. 18. 5	30·001			26. 23. 50	29·952	30. 15. 20	29·693	27. 22. 10	29·763	29. 9. 45	29·577
				31. 12. 35	29·827			29. 18. 45	29·724		
February.		February.				June.		October.		October.	
		2. 7. 55	29·568	June.		5. 8. 5	29·303	2. 7. 0	29·848	1. 15. 40	29·273
3. 6. 10	29·934	4. 6. 30	29·644	6. 13. 0	29·679	7. 12. 5	29·472	7. 21. 10	29·790	3. 2. 35	28·858
4. 16. 10	29·764	6. 4. 15	29·181	9. 2. 0	29·998	11. 9. 10	29·499	9. 9. 0	29·640	8. 13. 5	29·498
7. 12. 0	30·178	13. 14. 20	29·379	12. 20. 55	29·732	13. 4. 10	29·656	13. 8. 45	30·177	10. 5. 50	29·062
15. 4. 0	29·884	16. 18. 30	29·323	13. 20. 55	29·744	15. 18. 0	29·506	17. 8. 50	30·178	14. 5. 20	30·074
17. 23. 30	30·066	21. 3. 20	29·007	17. 17. 10	29·780	18. 3. 40	29·619	21. 9. 20	29·802	19. 15. 10	29·319
21. 18. 50	29·171	22. 12. 25	28·606	19. 10. 55	29·995	20. 16. 45	29·822	22. 21. 30	29·746	22. 3. 45	29·646
22. 18. 50	29·794	23. 1. 30	28·674	23. 8. 0	29·956	25. 15. 0	29·632	24. 3. 30	29·575	24. 3. 30	29·575
24. 10. 0	29·133	25. 10. 50	28·535	28. 23. 20	30·262			26. 9. 0	30·057	28. 0. 20	29·659
26. 20. 0	29·625	28. 17. 10	28·912					28. 18. 15	29·887	29. 15. 45	29·546
								29. 23. 0	29·736	31. 15. 30	29·204
March.		March.		July.		July.					
1. 10. 0	29·230	1. 20. 10	29·047			1. 19. 50	29·669	November.		November.	
8. 11. 0	30·486	10. 16. 5	29·981	3. 13. 55	30·103	5. 18. 5	29·941	2. 21. 45	29·837	5. 0. 0	29·359
12. 8. 0	30·370	16. 16. 0	29·333	7. 23. 0	30·103	9. 17. 10	29·863	6. 8. 10	29·623	7. 18. 40	29·015
18. 22. 25	29·947	20. 5. 0	29·771	11. 21. 0	30·028	14. 17. 0	29·953	8. 10. 25	29·330	9. 10. 0	29·118
21. 9. 15	29·866	22. 16. 0	29·649	15. 8. 30	30·042	20. 11. 30	29·409	11. 8. 25	29·638	12. 5. 10	29·279
23. 9. 50	29·763	23. 17. 50	29·674	23. 7. 0	30·146	28. 3. 0	29·827	12. 19. 40	29·547	13. 8. 10	29·394
26. 9. 30	30·185	26. 17. 10	30·110	31. 9. 5	30·065			14. 11. 10	29·685	17. 12. 0	28·742
28. 0. 0	30·258	29. 5. 45	30·086					19. 9. 0	29·527	20. 19. 20	29·289
30. 0. 40	30·301							25. 10. 50	30·042	28. 13. 25	29·361
				August.		August.		29. 10. 10	29·651		
April.		April.				1. 17. 40	29·912			December.	
		1. 21. 50	29·671	6. 9. 10	30·239	9. 5. 0	29·725	December.		1. 10. 50	28·763
3. 18. 40	29·880	4. 16. 50	29·463	10. 7. 25	29·989	12. 14. 15	29·539			3. 17. 0	29·028
6. 19. 0	29·632	7. 6. 0	29·339	15. 23. 50	29·992	18. 17. 20	29·869	3. 3. 40	29·117	5. 2. 0	29·184
7. 12. 0	29·455	8. 2. 5	29·178	20. 8. 35	30·029	24. 12. 30	29·577	4. 16. 25	29·296	6. 14. 40	29.506
8. 18. 0	29·513	9. 3. 10	29·316	25. 8. 0	29·852	28. 5. 5	29·293	5. 21. 0	29·703	8. 16. 25	29·621
9. 21. 0	29·488	10. 8. 30	29·311	30. 9. 10	29·705	30. 18. 35	29·493	7. 10. 15	29·747	16. 8. 15	29·298
11. 21. 30	29·648	12. 11. 30	29·468					10. 10. 25	30·241	17. 12. 55	29·390
13. 8. 0	29·858	14. 4. 50	29·502	September.		September.		16. 20. 0	29·473	19. 13. 50	29·547
15. 9. 40	29·729	16. 6. 0	29·101	1. 7. 20	29·765	1. 23. 10	29·512	18. 10. 0	29·778	26. 12. 0	28·633
16. 14. 5	29·279	17. 6. 30	29·125	3. 9. 0	29·771	4. 11. 15	29·547	21. 22. 40	29·638	27. 12. 25	28·754
19. 21. 0	29·641	20. 17. 10	29·364	8. 8. 50	30·074	9. 4. 15	29·968	27. 2. 10	28·963	28. 5. 45	28·894
24. 22. 5	29·968	25. 18. 0	29·858	10. 9. 0	30·112	12. 14. 0	29.584	27. 21. 50	29·102	30. 19. 10	28·907
28. 21. 30	30·204	30. 16. 0	29·947	13. 19. 50	29·763	14. 12. 0	29·656	29. 10. 50	29·449		
								31. 6. 20	29·240		

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 1935.

	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	30·506	30·178	30·486	30·204	30·282	30·262	30·146	30·239	30·112	30·178	30·042	30·241
Lowest	28·897	28·535	29·047	29·101	29·605	29·303	29·409	29·293	28·814	28·858	28·742	28·633
Range	1·609	1·643	1·439	1·103	0·677	0·959	0·737	0·946	1·298	1·320	1·300	1·608

The highest reading in the year was 30·506in. on Jan. 20. The lowest reading in the year was 28·535in. on Feb. 25. The range of reading in the year was 1·971in.

MONTHLY RESULTS OF METEOROLOGICAL ELEMENTS for the YEAR 1935.

Month, 1935.	Mean Reading of the Barometer.	Temperature of the Air. 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.	Mean Temperature of Evaporation.	Mean Temperature of the Dew Point.	Mean Degree of Humidity. (Saturation = 100.)
	in.	°	°	°	°	°	°	°	°	°	°	
January	30·068	53·7	25·4	28·3	44·1	36·5	7·6	40·7	+2·1	39·0	36·4	85·0
February	29·564	56·8	28·3	28·5	48·6	38·2	10·3	43·3	+3·7	40·7	37·0	78·5
March	29·976	67·0	29·1	37·9	52·1	36·8	15·3	44·1	+2·2	41·1	37·1	76·5
April	29·644	63·6	30·7	32·9	55·8	40·0	15·8	47·0	−0·3	43·9	39·8	76·0
May	29·907	75·7	28·2	47·5	61·2	42·6	18·6	51·0	−2·1	46·3	40·6	68·0
June	29·745	83·9	40·1	43·8	71·4	52·3	19·1	60·6	+1·2	56·5	53·0	76·5
July	29·936	87·1	45·6	41·5	78·2	55·7	22·5	66·0	+3·4	59·2	53·7	64·8
August	29·820	90·9	42·0	48·9	76·8	53·0	23·9	64·0	+2·4	57·9	52·8	67·7
September	29·705	76·7	38·1	38·6	68·2	49·8	18·4	58·4	+1·2	54·6	51·0	76·8
October	29·662	63·2	28·0	35·2	57·7	43·8	13·9	50·7	+0·7	47·7	44·2	78·6
November	29·517	62·8	29·4	33·4	50·8	39·5	11·3	45·7	+2·2	44·0	42·0	86·7
December	29·457	52·0	20·2	31·8	42·5	35·1	7·5	38·9	−1·1	37·4	35·0	86·2
		Highest	Lowest	AnnualRange								
Means	29·750	90·9	20·2	70·7	58·9	43·6	15·3	50·9	+1·3	47·4	43·5	76·8

Month, 1935.	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. Number of Rainy Days (0·005 in. or over).	Amount collected in Gauge No. 6, whose Receiving Surface is 5 inches above the Ground.	Wind. From Osler's Anemometer. Number of Hours of Prevalence of each Wind referred to different Points of Azimuth. N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	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.
	in.	°			in.	h	h	h	h	h	h	h	h	h	lbs.	miles.
January	0·215	46·7	8·1	16	1·254	211	86	8	—	18	97	103	120	101	0·48	295
February	0·220	44·8	8·0	15	2·154	31	87	9	3	61	269	147	34	31	1·16	390
March	0·221	44·6	6·9	7	·607	32	98	87	32	30	157	103	55	150	0·38	276
April	0·246	47·0	8·0	21	2·902	136	48	18	36	81	184	96	45	76	0·62	330
May	0·253	49·9	7·0	10	1·556	116	319	82	32	27	48	6	13	101	0·50	296
June	0·405	54·3	6·5	19	2·813	5	10	84	31	102	336	50	3	99	0·43	277
July	0·415	59·6	5·4	5	·555	59	65	96	26	12	123	150	66	147	0·25	261
August	0·402	60·4	6·2	7	2·186	36	32	21	25	49	208	79	33	261	0·13	215
September	0·376	59·0	6·8	17	2·905	23	10	31	38	107	294	85	31	101	0·63	298
October	0·291	55·3	6·5	16	2·533	36	25	11	30	80	333	131	26	72	0·49	322
November	0·268	51·1	7·6	21	3·590	23	45	31	55	184	213	93	7	69	0·24	294
December	0·204	45·9	7·2	20	2·454	55	96	41	41	75	176	139	27	94	0·34	309
Sums	..	..	..	174	25·509	763	921	519	349	826	2438	1182	460	1302	..	..
Means	0·293	51·5	7·0	..	..	..	..	..	..	..	..	..	..	..	0·47	297

The greatest recorded pressure of the wind on the square foot in the year was 21·0 lbs. on February 16.

The greatest recorded daily horizontal movement of the air in the year was 743 miles on February 16.

The least recorded daily horizontal movement of the air in the year was 129 miles on January 9.

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

1935.

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	30·070	29·592	29·960	29·647	29·920	29·751	29·947	29·831	29·715	29·663	29·538	29·463	29·758
1	30·067	29·586	29·963	29·637	29·914	29·747	29·942	29·828	29·709	29·658	29·535	29·459	29·754
2	30·067	29·579	29·962	29·628	29·910	29·741	29·938	29·825	29·701	29·654	29·533	29·458	29·750
3	30·067	29·570	29·960	29·621	29·907	29·737	29·936	29·824	29·692	29·648	29·524	29·456	29·745
4	30·063	29·564	29·962	29·616	29·904	29·735	29·936	29·818	29·687	29·646	29·522	29·451	29·742
5	30·061	29·561	29·965	29·618	29·905	29·740	29·938	29·820	29·685	29·646	29·519	29·445	29·742
6	30·061	29·556	29·972	29·625	29·909	29·745	29·943	29·826	29·691	29·648	29·518	29·444	29·745
7	30·065	29·558	29·982	29·632	29·912	29·747	29·949	29·830	29·699	29·660	29·518	29·447	29·750
8	30·071	29·567	29·989	29·639	29·916	29·751	29·950	29·834	29·703	29·670	29·522	29·454	29·755
9	30·080	29·570	29·994	29·642	29·917	29·752	29·949	29·833	29·709	29·679	29·521	29·459	29·759
10	30·085	29·572	29·996	29·647	29·915	29·753	29·946	29·831	29·710	29·681	29·521	29·463	29·760
11	30·084	29·572	29·994	29·647	29·912	29·749	29·941	29·825	29·711	29·679	29·519	29·457	29·757
12	30·074	29·566	29·989	29·648	29·907	29·747	29·935	29·820	29·709	29·671	29·512	29·446	29·752
13	30·064	29·557	29·983	29·652	29·902	29·745	29·930	29·815	29·707	29·664	29·503	29·438	29·747
14	30·056	29·552	29·972	29·648	29·896	29·742	29·924	29·811	29·704	29·659	29·500	29·438	29·742
15	30·055	29·550	29·965	29·643	29·890	29·737	29·918	29·806	29·703	29·654	29·501	29·446	29·739
16	30·055	29·551	29·962	29·644	29·889	29·733	29·913	29·802	29·702	29·652	29·502	29·451	29·738
17	30·060	29·557	29·964	29·647	29·889	29·733	29·913	29·801	29·701	29·655	29·506	29·458	29·740
18	30·063	29·562	29·971	29·652	29·893	29·735	29·915	29·799	29·705	29·663	29·510	29·466	29·745
19	30·068	29·563	29·978	29·659	29·898	29·740	29·920	29·805	29·712	29·664	29·513	29·471	29·749
20	30·071	29·564	29·983	29·668	29·906	29·745	29·929	29·816	29·718	29·667	29·516	29·476	29·755
21	30·073	29·560	29·986	29·669	29·914	29·755	29·942	29·823	29·718	29·668	29·515	29·477	29·758
22	30·072	29·558	29·987	29·667	29·917	29·756	29·948	29·826	29·715	29·670	29·516	29·479	29·759
23	30·072	29·557	29·988	29·663	29·917	29·757	29·952	29·822	29·709	29·667	29·519	29·478	29·758
24	30·072	29·555	29·988	29·654	29·914	29·753	29·951	29·823	29·705	29·664	29·518	29·472	29·756
Means 0h.–23h.	30·068	29·564	29·976	29·644	29·907	29·745	29·936	29·820	29·705	29·662	29·517	29·457	29·750
Means 1h.–24h.	30·068	29·562	29·977	29·644	29·906	29·745	29·936	29·820	29·704	29·662	29·516	29·458	29·750
No. of Days Employed	31	28	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.

1935.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	39·9	42·3	40·9	43·4	45·9	55·1	60·0	57·9	54·8	48·1	44·5	37·8	47·5
1	39·7	41·9	40·3	42·9	45·4	54·5	58·9	57·1	54·2	47·7	43·9	37·8	47·0
2	39·4	41·6	39·7	42·6	44·8	54·0	58·0	56·4	53·4	47·3	43·5	37·6	46·5
3	39·4	41·4	39·4	42·3	44·3	53·7	57·1	55·5	52·8	47·0	43·0	37·4	46·1
4	39·5	41·1	39·0	42·1	43·8	53·7	56·5	54·6	52·5	46·8	42·8	37·3	45·8
5	39·5	41·1	38·6	42·3	44·1	54·4	56·9	54·1	52·8	46·9	43·0	37·3	45·9
6	39·6	41·1	38·9	43·0	45·3	56·1	58·8	55·7	53·4	47·0	43·2	37·5	46·6
7	39·7	41·4	39·5	44·4	47·5	58·3	61·5	58·8	55·2	47·1	43·6	37·8	47·9
8	39·8	41·8	41·3	46·4	50·1	60·6	64·7	62·5	57·6	48·9	44·3	38·2	49·7
9	40·2	42·4	43·7	48·4	52·3	62·6	67·8	66·4	59·7	51·0	45·9	38·7	51·6
10	40·7	43·5	45·8	50·1	54·4	64·9	70·2	68·8	61·5	53·0	47·1	39·5	53·3
11	41·6	44·8	47·4	51·5	56·2	66·5	72·3	70·9	63·1	54·4	48·3	40·1	54·8
12	42·3	45·6	48·7	52·4	58·0	68·1	73·7	72·3	64·1	55·5	48·9	41·0	55·9
13	42·7	45·9	49·6	52·5	58·4	67·6	74·8	73·2	64·8	55·6	49·3	41·4	56·3
14	42·9	46·4	50·3	52·6	58·7	67·4	75·4	73·4	65·4	55·6	49·4	41·4	56·6
15	42·7	46·2	50·5	52·3	58·3	67·5	75·5	73·1	65·1	55·4	48·7	40·9	56·3
16	42·2	46·0	49·7	51·4	57·6	67·1	75·2	72·7	64·3	54·7	47·7	40·2	55·7
17	41·5	45·0	48·5	50·5	56·1	65·5	73·8	71·3	62·7	53·3	46·7	39·6	54·5
18	41·1	44·4	47·0	49·2	54·8	64·1	71·6	69·3	60·9	52·0	46·1	39·2	53·3
19	40·8	43·7	45·4	47·6	52·9	62·2	69·2	66·6	58·9	51·0	46·0	38·7	51·9
20	40·7	43·3	44·5	46·4	50·7	60·1	66·3	63·9	57·4	50·2	45·6	38·4	50·6
21	40·6	42·8	43·7	45·4	49·0	58·2	63·9	62·0	56·3	49·7	45·4	38·4	49·6
22	40·2	42·7	42·9	44·8	47·6	57·1	62·2	60·5	55·4	49·2	45·1	38·3	48·8
23	40·0	42·6	42·0	43·9	46·8	56·2	60·9	59·5	54·7	48·8	44·7	38·1	48·2
24	39·6	42·3	41·1	43·3	46·2	55·3	59·8	58·1	54·4	48·3	44·4	37·7	47·5
Means 0h.–23h.	40·7	43·3	44·1	47·0	51·0	60·6	66·0	64·0	58·4	50·7	45·7	38·9	50·9
Means 1h.–24h.	40·7	43·3	44·1	47·0	51·0	60·7	66·0	64·0	58·4	50·7	45·7	38·8	50·9
No. of Days Employed	31	28	31	30	31	30	31	31	30	31	30	31	..

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

1935.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	38·5	40·0	39·1	41·8	43·4	53·5	56·6	54·8	52·6	46·0	42·8	36·4	45·5
1	38·2	39·6	38·7	41·5	43·1	53·1	56·1	54·3	52·2	45·7	42·6	36·4	45·1
2	38·0	39·4	38·3	41·2	42·8	52·7	55·4	53·8	51·7	45·5	42·1	36·3	44·8
3	38·0	39·3	38·0	40·8	42·2	52·5	54·9	53·3	51·3	45·3	41·8	36·2	44·5
4	38·1	39·0	37·6	40·6	41·9	52·7	54·5	52·8	51·0	45·1	41·5	36·0	44·2
5	38·0	38·8	37·1	40·7	42·3	53·2	54·9	52·5	51·2	45·3	41·8	36·2	44·3
6	38·3	39·0	37·4	41·3	43·2	54·3	56·1	53·8	51·8	45·4	42·0	36·4	44·9
7	38·4	39·3	37·9	42·4	44·8	55·9	57·4	55·6	53·1	45·5	42·6	36·5	45·8
8	38·5	39·7	39·6	43·6	46·3	56·9	59·0	57·9	54·7	46·9	43·1	37·0	46·9
9	38·7	40·2	41·3	44·9	47·5	58·0	60·5	59·7	56·0	48·1	44·3	37·5	48·1
10	39·1	40·9	42·6	45·8	48·5	59·0	61·4	60·6	57·0	49·3	45·4	38·1	49·0
11	39·6	41·7	43·5	46·5	49·5	59·5	62·1	61·3	57·4	49·9	46·3	38·6	49·7
12	40·1	42·2	44·0	46·9	50·5	60·5	62·5	61·7	57·7	50·3	46·6	39·2	50·2
13	40·6	42·4	44·5	47·1	50·5	60·3	62·6	62·0	57·9	50·5	46·7	39·3	50·4
14	40·6	42·5	44·9	47·2	50·4	60·0	63·0	61·9	57·9	50·7	46·7	39·1	50·4
15	40·3	42·5	44·8	47·2	50·1	59·9	63·3	62·1	57·7	50·6	46·1	38·7	50·3
16	40·0	42·5	44·5	46·7	49·8	59·4	63·0	61·6	57·2	50·1	45·5	38·1	49·9
17	39·7	41·9	43·9	46·2	49·1	58·7	62·3	60·8	56·6	49·6	44·9	37·8	49·3
18	39·4	41·4	43·1	45·2	48·2	58·1	61·5	60·1	55·7	48·7	44·5	37·7	48·6
19	39·0	41·1	42·3	44·2	47·1	57·2	60·3	59·2	54·8	48·2	44·4	37·4	47·9
20	38·9	40·8	41·9	43·5	46·3	56·2	59·3	58·4	54·3	47·8	44·2	37·1	47·4
21	38·9	40·6	41·3	42·9	45·4	55·2	58·6	57·7	53·7	47·4	44·0	37·0	46·9
22	38·8	40·5	40·8	42·8	44·6	54·6	57·8	56·8	53·2	46·9	43·6	36·8	46·4
23	38·5	40·3	40·1	42·2	44·1	54·0	57·1	56·2	52·7	46·5	43·1	36·6	45·9
24	38·2	40·1	39·3	41·7	43·6	53·6	56·5	55·1	52·2	46·1	42·7	36·4	45·5
Means (0h.–23h.)	39·0	40·7	41·1	43·9	46·3	56·5	59·2	57·9	54·6	47·7	44·0	37·4	47·4
Means (1h.–24h.)	39·0	40·7	41·1	43·9	46·3	56·5	59·2	57·9	54·5	47·7	44·0	37·4	47·4
No. of Days Employed	31	28	31	30	31	30	31	31	30	31	30	31	..

MONTHLY MEAN TEMPERATURE OF THE DEW POINT AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE CORRESPONDING AIR AND EVAPORATION TEMPERATURES.

1935.

Hour, Universal Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
0h	36·5	36·6	36·5	39·7	40·2	52·1	53·7	52·1	50·5	43·6	40·6	34·3	43·0
1	36·1	36·2	36·5	39·6	40·1	51·9	53·8	51·9	50·3	43·4	41·0	34·3	42·9
2	36·0	36·2	36·3	39·6	40·1	51·5	53·2	51·5	50·1	43·4	40·3	34·3	42·7
3	36·0	36·2	36·0	38·7	39·4	51·4	53·1	51·4	49·8	43·3	40·1	34·3	42·5
4	36·1	35·9	35·6	38·5	39·4	51·9	52·9	51·1	49·5	43·1	39·7	33·9	42·3
5	35·9	35·3	34·9	38·5	40·0	52·2	53·3	51·0	49·6	43·4	40·1	34·4	42·4
6	36·4	35·9	35·3	38·9	40·5	52·8	53·9	52·2	50·3	43·5	40·4	34·6	42·9
7	36·5	36·2	35·6	39·8	41·6	53·9	54·1	52·9	51·2	43·6	41·3	34·5	43·4
8	36·5	36·7	37·2	40·1	41·8	53·9	54·5	54·3	52·2	44·7	41·6	35·1	44·1
9	36·7	37·0	38·0	40·5	42·1	54·4	55·0	54·5	52·9	45·0	42·3	35·7	44·5
10	36·9	37·2	38·3	40·6	41·8	54·4	54·8	54·4	53·4	45·4	43·4	36·1	44·7
11	36·7	37·3	38·5	40·5	42·0	54·0	54·5	54·0	52·7	45·2	44·1	36·5	44·7
12	36·9	37·5	37·9	40·2	42·4	54·8	54·2	53·7	52·5	44·9	44·1	36·7	44·7
13	37·6	37·7	38·0	40·6	41·8	54·7	53·5	53·6	52·2	45·2	43·8	36·2	44·6
14	37·2	37·3	37·9	40·8	41·2	54·3	53·9	53·1	51·6	45·7	43·6	35·7	44·4
15	36·8	37·5	37·3	41·3	40·9	54·0	54·4	53·9	51·4	45·7	43·1	35·4	44·3
16	36·8	37·8	37·8	41·2	41·0	53·3	54·0	53·1	51·2	45·3	43·0	34·9	44·1
17	37·2	37·5	37·9	41·1	41·1	53·2	53·7	52·6	51·4	45·7	42·7	35·1	44·1
18	37·0	37·2	38·1	40·3	40·5	53·3	53·8	52·9	51·2	45·2	42·5	35·6	44·0
19	36·4	37·5	38·1	39·9	40·1	53·0	53·4	53·3	51·2	45·2	42·4	35·5	43·8
20	36·3	37·2	38·4	39·8	41·1	52·9	53·8	54·0	51·5	45·2	42·4	35·1	44·0
21	36·5	37·4	38·0	39·6	41·0	52·6	54·4	54·3	51·4	44·9	42·2	35·0	43·9
22	36·9	37·3	37·8	40·1	40·9	52·5	54·3	53·7	51·2	44·4	41·6	34·6	43·8
23	36·4	36·9	37·4	40·0	40·8	52·2	54·0	53·5	50·8	43·9	41·0	34·4	43·4
24	36·2	36·9	36·8	39·5	40·3	52·1	53·7	52·5	50·1	43·6	40·5	34·4	43·1
Means (0h.–23h.)	36·6	36·9	37·2	40·0	40·9	53·1	53·9	53·0	51·3	44·5	42·0	35·1	43·7
Means (1h.–24h.)	36·6	36·9	37·2	40·0	40·9	53·1	53·9	53·1	51·2	44·5	42·0	35·1	43·7

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

1935.

Hour, Universal Time,	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Means.
0h	87	80	84	87	80	90	80	81	85	84	86	87	84
1	86	80	86	88	82	91	83	83	87	85	89	87	86
2	87	81	87	88	84	91	84	84	88	86	88	88	86
3	87	82	87	87	83	92	86	86	90	87	90	89	87
4	87	82	87	87	84	93	87	88	90	87	89	88	87
5	86	80	86	86	85	92	87	89	89	87	90	90	87
6	88	82	86	85	83	88	84	87	89	87	90	90	87
7	88	82	86	84	79	85	76	80	86	87	92	88	84
8	88	82	85	78	73	79	70	74	82	85	90	89	81
9	87	81	80	74	68	74	63	66	78	80	87	89	77
10	86	79	75	70	62	69	58	60	74	75	87	87	73
11	83	75	70	66	59	64	53	55	69	71	85	87	70
12	81	74	66	63	55	62	51	52	66	67	83	84	67
13	82	73	64	64	55	63	47	50	64	68	81	82	66
14	80	70	63	64	52	63	47	49	61	69	80	80	65
15	79	71	61	66	52	62	48	51	62	70	80	80	65
16	81	73	64	68	54	61	48	51	63	70	83	81	66
17	84	75	67	70	57	65	49	52	67	75	86	84	69
18	85	75	70	71	58	68	53	56	70	77	87	86	71
19	84	79	75	74	62	72	57	62	76	81	87	88	75
20	84	79	79	78	69	77	64	70	81	83	89	88	78
21	85	81	80	80	73	82	71	75	84	83	89	87	81
22	87	81	82	84	77	85	75	79	86	83	88	86	83
23	87	80	83	86	79	86	78	80	87	83	87	86	83
24	87	81	84	87	80	89	80	82	85	83	86	88	84
Means (0h.–23h.)	85	78	77	77	69	77	67	69	78	80	87	86	77
Means (1h.–24h.)	85	78	77	77	69	77	67	69	78	80	87	86	77

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 1935.

Month, 1935.	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 ...	—	—	—	—	—	1·1	2·6	2·1	4·0	3·7	2·0	—	—	—	—	—	15·5	251·4	0·062	18
February ..	—	—	—	0·9	4·9	6·6	7·5	5·5	6·3	6·2	3·3	1·5	0·1	—	—	—	42·8	278·2	0·154	26
March	—	—	0·3	3·9	5·9	8·6	11·5	13·1	12·8	12·5	12·2	9·9	5·4	—	—	—	96·1	367·0	0·262	36
April	—	0·8	5·1	7·9	9·4	8·8	9·1	12·0	10·2	10·5	9·5	8·1	7·2	4·3	0·6	—	103·5	414·7	0·250	48
May	—	4·3	10·3	13·8	12·5	13·1	13·2	14·4	14·9	13·4	16·2	16·3	11·9	10·3	7·6	0·1	172·3	483·1	0·357	57
June	2·9	10·1	11·5	12·3	12·1	15·8	15·8	17·7	16·1	14·0	17·0	18·2	13·7	13·1	10·5	3·8	204·6	496·1	0·412	62
July	1·1	10·0	16·3	19·3	21·0	20·7	21·6	20·9	19·6	20·5	20·9	20·2	19·0	16·6	14·9	3·5	266·1	500·3	0·532	60
August	0·2	4·2	11·4	15·0	17·5	17·2	16·7	15·1	14·3	13·2	12·3	9·9	14·0	11·2	5·7	—	177·9	453·0	0·393	52
September .	—	0·1	5·3	11·0	12·2	12·9	17·0	14·9	14·2	16·8	15·5	16·0	13·4	4·5	0·3	—	154·1	381·0	0·404	42
October ...	—	—	—	5·2	10·5	11·5	12·4	13·0	12·1	11·0	10·9	9·0	5·1	—	—	—	100·7	332·6	0·303	30
November..	—	—	—	—	2·7	8·6	7·8	7·0	6·5	8·0	5·8	1·7	—	—	—	—	48·1	268·0	0·179	20
December .	—	—	—	—	0·4	1·8	3·4	4·9	2·6	3·4	1·0	0·1	—	—	—	—	17·6	245·7	0·072	16
For the Year	4·2	29·5	60·2	89·3	109·1	126·7	138·6	140·6	133·6	133·2	126·6	110·9	89·8	60·0	39·6	7·4	1399·3	4471·1	0·313	..

The hours are reckoned from "apparent" midnight.

READINGS OF THERMOMETERS ON THE ORDINARY STAND IN THE CHRISTIE ENCLOSURE IN THE YEAR 1935.

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

JANUARY.

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

FEBRUARY.

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

MARCH.

Day 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	48·8	36·9	37·9	47·5	46·6	41·3	37·0	43·5	42·5	39·0
2	47·7	37·3	42·0	44·8	46·6	41·6	41·0	42·8	43·8	40·8
3	44·7	38·0	41·4	44·0	42·5	40·7	40·9	42·6	41·9	40·5
4	50·4	36·3	40·1	46·3	50·1	36·5	38·2	40·3	43·0	34·6
5	52·6	30·1	43·3	48·7	49·6	44·0	41·0	44·7	43·2	42·5
6	47·1	39·1	40·6	45·4	46·6	45·1	40·3	42·9	41·8	41·6
7	49·8	34·1	42·6	47·5	48·5	38·2	39·8	41·6	42·0	37·1
8	38·3	32·4	36·8	36·7	33·8	33·8	34·0	33·2	32·5	33·1
9	34·6	29·1	31·9	33·1	33·8	34·1	30·6	29·5	30·8	30·5
10	38·1	31·2	32·1	33·5	35·0	38·0	30·0	31·3	32·6	35·6
11	40·8	34·7	36·2	37·8	39·3	35·2	34·6	34·4	34·6	32·7
12	51·2	32·1	40·3	48·8	50·6	37·5	36·4	38·5	40·0	35·5
13	49·0	32·0	37·1	46·2	48·4	37·6	36·0	41·0	41·0	36·1
14	42·9	33·8	38·1	40·6	42·1	39·4	37·0	38·3	39·1	37·6
15	53·3	35·3	41·5	48·7	51·4	38·9	38·3	43·4	43·6	37·8
16	56·8	33·0	46·0	53·0	54·4	47·8	42·9	47·9	49·2	45·8
17	54·1	42·9	46·9	50·0	53·5	49·2	45·2	47·0	49·9	47·0
18	58·4	37·4	46·2	55·1	57·6	44·9	45·5	51·4	51·8	42·6
19	60·9	33·7	49·8	55·8	60·2	47·3	46·5	49·8	51·7	45·3
20	64·6	39·0	50·4	61·0	63·7	48·5	47·5	52·5	52·8	45·7
21	67·0	38·0	54·4	64·5	66·6	52·3	49·0	55·0	55·4	48·1
22	56·0	44·8	52·2	53·7	54·3	46·0	48·9	49·8	51·1	43·4
23	54·9	43·0	48·8	51·1	50·0	52·8	45·5	48·1	48·8	50·4
24	60·8	46·9	53·1	57·6	58·5	53·8	47·8	50·2	49·2	49·6
25	58·1	47·3	50·4	54·4	56·1	47·9	47·1	49·3	49·6	44·6
26	61·0	39·9	45·7	52·4	58·3	49·7	44·8	49·3	53·1	47·1
27	56·9	41·0	49·4	54·6	56·8	42·7	45·3	47·8	48·3	41·1
28	58·6	36·3	45·6	54·6	58·5	52·1	43·7	48·1	50·8	46·4
29	53·6	39·7	49·2	51·1	49·6	40·2	45·3	45·1	44·8	37·8
30	46·7	38·3	41·0	42·8	45·6	46·6	38·7	38·5	41·4	44·3
31	56·9	42·6	44·7	49·6	56·6	51·4	41·6	44·9	49·8	46·7
Means	52·1	37·3	43·7	48·7	50·5	43·7	41·3	44·0	44·8	41·3

APRIL.

Day 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	52·9	46·2	48·5	52·1	50·6	46·9	42·3	43·5	43·4	42·0
2	47·7	37·2	42·8	45·5	42·8	39·4	38·3	38·8	39·0	35·4
3	46·9	34·0	39·7	43·5	39·3	37·5	36·5	37·8	36·8	35·0
4	44·2	33·1	38·8	40·7	38·4	33·7	37·0	37·9	37·5	31·8
5	48·9	30·7	38·6	45·4	45·2	37·8	35·0	38·4	39·6	36·1
6	52·9	32·9	43·3	48·1	49·8	44·2	38·9	41·2	41·4	40·0
7	57·7	40·3	46·5	55·1	51·3	46·3	43·8	49·2	48·1	45·4
8	53·8	41·0	48·9	51·6	52·7	48·0	44·8	45·6	48·8	44·9
9	58·2	43·4	53·5	56·5	57·0	53·1	51·2	53·5	54·3	52·0
10	59·5	51·1	52·2	56·7	57·6	51·3	51·3	51·5	51·3	47·1
11	60·0	46·3	52·4	55·7	57·7	46·3	47·7	50·3	48·2	40·1
12	53·6	37·1	44·6	50·3	51·4	43·0	40·9	45·2	45·0	40·3
13	57·0	32·8	46·3	54·5	52·6	42·8	42·7	47·6	46·6	42·0
14	55·7	40·1	46·7	53·5	49·8	42·7	43·9	46·8	47·0	41·7
15	61·1	34·2	45·0	53·5	57·6	47·3	44·7	48·9	51·2	44·6
16	53·9	42·1	47·4	50·7	50·3	43·3	44·3	46·4	45·3	40·3
17	57·0	39·6	47·9	51·7	55·4	44·7	44·0	44·6	45·3	43·2
18	58·9	43·6	49·4	53·6	53·6	49·0	44·8	46·2	48·6	48·0
19	60·7	47·8	53·8	56·7	53·7	48·5	49·1	51·0	50·9	46·5
20	63·2	45·1	58·2	57·6	56·6	45·8	52·8	52·4	51·9	44·6
21	62·0	43·1	56·2	60·1	57·8	47·7	50·1	53·1	51·0	45·3
22	60·9	42·9	51·8	57·9	54·5	44·7	48·7	50·7	50·4	43·2
23	63·6	39·6	55·1	61·7	62·7	50·8	49·9	53·7	53·4	47·4
24	54·8	43·3	53·0	49·7	52·5	43·7	49·7	47·1	47·9	40·8
25	48·5	40·7	45·8	47·7	45·9	47·3	43·6	44·6	45·2	46·0
26	55·5	45·0	49·5	51·9	54·2	45·3	47·1	48·5	49·2	43·5
27	49·4	43·1	46·8	47·3	48·5	45·3	44·0	44·9	45·4	42·8
28	50·8	42·5	45·6	48·3	50·4	46·7	43·0	44·8	46·5	43·8
29	61·9	42·5	52·5	56·6	59·1	50·2	48·8	51·7	53·9	48·9
30	62·7	42·5	50·7	58·7	60·6	47·3	47·4	50·8	52·2	45·6
Means	55·8	40·8	48·4	52·4	52·3	45·4	44·9	46·9	47·2	42·9

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.

Day 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	53·0	41·8	45·6	50·8	49·7	41·9	43·6	47·3	44·0	38·8
2	65·0	35·2	54·9	62·0	62·0	50·6	47·4	52·8	52·9	46·1
3	67·0	44·4	60·8	66·5	62·2	51·0	49·6	52·5	50·0	46·5
4	65·2	46·8	57·8	65·1	59·8	52·3	52·0	53·9	50·6	50·1
5	71·9	45·1	59·5	71·3	70·9	56·4	54·7	60·2	60·4	53·2
6	75·7	46·9	64·1	73·7	74·6	57·7	55·4	59·1	59·2	51·2
7	63·5	48·1	54·1	62·6	60·8	49·3	50·1	53·0	52·8	45·0
8	57·7	47·5	49·7	54·3	56·7	49·8	45·5	48·5	50·2	45·8
9	59·9	46·0	49·0	55·7	58·4	48·1	45·0	47·9	46·9	42·9
10	62·6	43·6	55·8	60·9	62·2	49·5	49·0	49·7	49·0	44·1
11	66·7	44·1	53·5	62·9	65·6	50·0	48·2	52·6	53·3	46·4
12	55·9	44·1	48·8	52·2	52·4	45·9	43·1	45·1	45·2	40·9
13	51·9	38·7	49·5	47·9	48·8	42·2	42·6	41·0	41·8	39·0
14	49·9	36·7	41·2	42·7	47·4	39·9	40·1	39·8	41·0	37·9
15	55·9	38·1	43·0	48·7	53·3	40·3	40·8	43·7	44·6	38·0
16	49·6	37·3	44·2	45·6	46·5	38·0	40·2	40·1	38·9	35·0
17	55·0	28·2	47·0	49·4	49·7	41·0	39·1	41·2	42·8	37·4
18	54·6	34·6	46·0	52·6	48·9	40·5	40·3	42·8	43·2	39·3
19	52·4	33·9	48·7	48·5	46·2	47·1	41·9	43·6	45·3	45·3
20	60·4	45·0	51·6	55·7	49·6	46·1	48·5	52·8	48·0	45·8
21	58·0	40·4	50·9	57·1	54·8	46·3	45·9	49·6	47·7	42·7
22	54·4	41·1	48·8	54·1	52·7	46·0	42·8	46·1	45·9	41·2
23	65·0	42·2	57·4	64·8	63·1	53·0	50·8	55·1	53·1	47·8
24	69·0	50·1	59·4	66·0	66·7	53·0	52·9	55·9	54·6	48·5
25	68·0	49·1	53·8	62·9	67·6	54·6	52·6	56·9	55·5	49·7
26	67·1	44·4	53·6	61·6	65·8	52·0	49·1	54·3	56·1	48·6
27	60·2	44·8	52·6	57·7	57·5	57·3	49·3	53·5	54·0	54·2
28	66·0	50·4	57·2	62·6	64·6	57·0	55·1	58·9	58·0	53·3
29	71·2	48·1	58·8	67·9	70·0	56·6	54·8	60·4	60·4	52·8
30	69·5	49·1	56·7	65·3	68·3	53·4	53·4	58·4	58·9	49·4
31	53·6	47·1	48·4	49·5	51·7	52·8	47·7	47·8	49·8	51·5
Means	61·2	43·0	52·3	58·0	58·3	49·0	47·5	50·5	50·1	45·4

JUNE

Day 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	64·8	50·0	52·8	56·6	62·8	53·0	51·8	54·2	57·7	51·7
2	70·0	50·5	57·2	68·4	65·8	55·4	55·4	60·1	57·0	51·8
3	67·5	48·1	60·3	63·3	66·6	51·9	53·9	55·5	56·4	49·2
4	64·0	49·6	59·6	61·0	58·4	52·1	54·9	54·3	54·4	49·8
5	67·8	47·1	51·2	61·5	63·5	53·9	50·5	56·8	56·0	52·4
6	65·0	49·1	57·8	63·2	57·4	55·3	52·6	55·8	54·2	54·5
7	66·3	53·1	56·2	62·2	62·0	55·3	54·4	57·9	54·5	50·2
8	64·7	51·6	55·8	63·4	60·6	54·3	52·6	52·9	53·8	47·5
9	70·1	40·1	60·8	64·8	67·6	55·5	52·8	56·0	57·7	51·3
10	75·8	53·0	62·0	73·3	62·6	55·9	60·7	65·6	57·5	54·7
11	64·7	51·5	59·4	59·9	63·8	51·8	54·9	53·9	54·8	48·4
12	64·0	49·1	56·9	59·5	62·4	53·5	52·8	56·3	56·7	51·3
13	68·1	51·1	58·3	65·5	66·3	54·0	53·9	57·4	56·1	50·4
14	69·6	51·0	62·0	64·8	61·9	52·2	56·6	57·0	57·3	50·9
15	68·5	47·7	59·2	65·7	60·8	54·0	54·7	57·4	54·8	51·5
16	66·6	49·6	59·7	64·6	62·2	53·9	52·6	56·7	56·0	49·7
17	69·6	49·3	60·8	65·8	66·2	52·2	55·5	57·8	57·9	49·8
18	68·0	50·9	59·1	63·7	64·7	58·9	56·6	60·5	58·2	56·4
19	69·6	52·7	57·6	63·0	66·8	58·6	56·4	59·8	62·0	57·5
20	65·6	57·2	60·6	62·3	63·1	59·3	59·0	59·9	61·6	58·5
21	78·6	58·5	64·2	72·7	76·4	64·3	61·8	67·8	68·8	63·0
22	82·7	56·3	75·3	81·1	80·4	65·8	69·5	71·9	71·6	63·7
23	80·8	59·6	76·2	80·7	80·5	68·4	69·2	68·0	65·2	63·4
24	83·9	60·0	75·8	82·9	82·5	71·8	69·2	69·8	68·2	67·0
25	83·3	62·0	76·7	80·7	68·7	65·6	69·7	70·4	68·1	64·2
26	75·6	60·1	67·0	72·6	74·7	64·6	61·0	63·7	65·0	59·9
27	71·4	60·1	62·6	67·1	68·5	60·6	59·2	61·8	62·5	57·4
28	78·8	51·1	65·8	74·8	73·2	66·7	58·2	65·2	63·5	62·2
29	79·6	54·4	73·5	79·2	77·6	63·3	64·0	66·7	64·8	59·0
30	78·5	55·3	73·6	77·7	77·1	63·7	64·3	64·0	64·1	59·0
Means	71·5	52·7	62·6	68·1	67·5	58·2	58·0	60·5	59·9	55·2

JULY.

Day 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	78·4	56·4	70·6	76·3	73·7	68·0	64·8	66·1	66·3	64·6
2	76·3	60·4	66·0	73·6	73·4	63·2	61·8	65·3	64·5	60·0
3	76·9	59·2	66·1	68·8	71·5	63·9	59·8	62·0	63·0	57·9
4	78·1	58·1	68·6	73·3	76·3	68·2	63·6	66·5	67·1	64·1
5	75·8	60·0	66·5	71·9	71·5	64·6	60·7	63·5	63·8	61·4
6	74·1	56·0	61·7	69·6	72·0	63·9	53·8	57·8	58·8	55·6
7	72·9	51·1	66·6	70·6	72·2	58·7	60·2	60·8	61·2	55·9
8	71·3	47·4	63·0	66·9	68·8	57·8	58·0	58·0	57·8	55·1
9	80·0	52·1	71·0	75·1	79·5	63·2	62·4	63·1	64·8	57·2
10	87·1	53·1	73·8	84·2	86·5	69·3	63·5	67·3	69·8	62·8
11	81·3	61·1	73·3	81·3	75·1	65·9	66·2	69·5	67·5	62·8
12	80·9	60·6	71·0	75·8	78·6	66·3	65·4	66·9	67·0	61·8
13	85·7	59·1	75·6	83·6	83·6	67·9	69·1	68·3	68·1	61·8
14	86·6	56·5	76·1	82·7	85·4	67·1	66·2	66·8	65·8	58·3
15	84·7	58·4	69·6	78·6	83·5	71·6	62·0	64·8	67·5	65·0
16	85·1	62·8	71·4	80·8	83·5	69·1	57·7	60·3	63·7	55·6
17	79·7	57·1	66·9	70·1	74·9	63·4	60·8	61·6	62·6	54·9
18	69·6	53·8	63·8	65·1	65·6	58·1	57·8	58·7	61·3	55·0
19	71·9	51·1	64·2	68·6	64·2	58·6	57·2	59·1	56·7	55·8
20	73·5	57·0	62·7	69·9	69·8	58·9	60·2	61·9	62·3	51·9
21	74·7	50·7	62·4	66·8	72·6	61·5	53·7	54·8	57·8	54·8
22	76·0	57·0	64·9	70·2	73·8	68·6	59·4	62·0	64·5	62·0
23	81·7	55·1	73·5	76·8	78·2	63·9	65·6	66·7	67·8	60·8
24	82·8	54·0	72·4	76·5	82·6	66·3	63·5	64·9	67·4	62·1
25	79·2	56·4	65·6	74·5	76·4	60·4	60·2	61·8	62·7	56·4
26	78·7	56·3	67·6	73·1	76·9	60·8	59·2	59·9	61·0	59·0
27	79·5	54·5	70·7	75·9	77·5	66·4	62·0	65·1	66·2	61·7
28	81·2	62·6	67·1	75·9	79·8	68·1	61·3	64·2	65·0	58·0
29	74·6	60·4	64·0	70·2	70·8	62·5	54·8	57·3	56·8	55·6
30	72·8	49·1	61·8	69·1	72·4	59·6	53·8	55·6	55·8	53·6
31	73·7	45·6	62·1	68·7	71·2	56·6	52·3	56·7	57·6	53·6
Means	78·2	55·9	67·8	73·7	75·5	63·9	60·5	62·5	63·3	58·6

AUGUST.

Day 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	71·1	46·1	60·6	69·0	67·5	55·1	54·8	56·9	56·5	51·8
2	74·9	48·2	63·4	69·9	74·5	57·5	53·1	57·9	61·8	54·4
3	71·5	49·1	59·2	67·1	68·6	58·3	55·8	59·9	59·9	56·3
4	80·5	48·9	64·6	75·3	71·1	60·8	58·4	64·5	60·9	57·1
5	83·6	51·3	69·4	75·3	77·6	66·3	60·6	62·8	63·5	61·2
6	83·3	56·9	69·8	78·7	83·0	68·2	64·0	65·5	67·6	62·6
7	86·5	56·6	73·6	83·3	83·3	67·1	63·5	67·2	67·9	62·7
8	87·7	58·9	75·6	84·3	83·4	68·8	65·8	67·4	66·7	63·5
9	74·8	62·1	69·1	73·7	74·3	65·8	63·7	64·9	64·8	59·5
10	85·6	52·0	71·0	79·8	83·4	67·6	59·8	64·1	64·8	57·6
11	84·0	55·8	71·6	76·8	82·4	65·6	61·6	61·8	64·7	59·2
12	75·2	52·7	67·6	72·5	73·7	58·8	61·6	62·5	62·5	56·6
13	70·0	52·1	61·8	64·1	65·7	56·0	55·0	54·9	54·7	50·0
14	70·5	45·1	62·3	67·7	66·9	61·6	54·8	57·0	57·3	56·4
15	70·7	57·3	63·6	66·9	69·6	61·0	55·2	55·9	56·3	55·6
16	71·0	52·6	66·9	67·6	67·4	64·9	59·9	60·0	60·4	59·2
17	80·0	54·0	68·5	72·3	75·6	64·2	61·3	63·3	63·9	58·5
18	79·8	58·7	69·4	77·5	70·2	61·5	62·9	64·0	61·2	58·0
19	82·7	54·1	67·1	76·3	78·6	67·5	61·9	65·1	65·0	62·0
20	87·9	56·9	73·4	80·8	81·9	64·9	64·7	66·0	67·9	59·5
21	87·1	56·6	77·2	85·6	86·8	65·9	66·1	67·8	68·5	60·1
22	90·9	58·6	80·9	88·1	88·9	65·3	65·9	68·5	70·3	61·1
23	71·8	57·2	62·1	69·5	69·6	61·6	61·1	66·9	66·0	61·0
24	65·3	56·3	62·7	62·7	63·2	56·9	61·7	62·5	62·3	56·5
25	70·6	52·2	59·6	65·8	69·0	59·6	58·7	60·8	62·7	57·7
26	76·4	51·0	64·0	68·5	74·7	64·6	62·3	63·9	67·3	61·8
27	65·5	53·3	60·2	61·8	62·6	54·6	56·4	55·0	53·8	49·6
28	70·9	42·0	58·1	61·9	62·5	52·4	52·3	53·7	52·9	48·8
29	69·7	45·2	57·5	62·6	63·8	55·9	51·8	52·7	54·3	50·9
30	66·1	51·6	61·4	62·7	55·9	59·9	54·9	56·4	55·1	58·7
31	75·9	59·2	66·7	71·7	68·9	62·4	61·9	62·8	62·4	59·8
Means	76·8	53·3	66·4	72·3	73·1	62·0	59·7	61·7	62·1	57·7

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.)

Day 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	71·6	58·1	66·4	69·7	69·3	62·1	61·9	64·7	64·2	61·9
2	70·9	57·1	61·4	69·3	68·8	57·7	58·4	61·9	60·6	54·8
3	74·4	51·1	63·0	67·5	72·8	58·6	57·3	59·9	61·6	56·4
4	70·4	51·8	57·8	66·9	67·4	56·4	57·1	59·8	57·8	53·2
5	72·1	51·3	59·6	65·9	68·9	55·6	55·7	58·9	58·9	55·2
6	67·6	50·1	57·5	61·6	66·8	58·1	52·9	54·8	56·3	51·4
7	66·9	45·5	56·6	61·0	63·0	54·5	51·6	52·9	52·9	51·0
8	68·7	42·4	57·2	65·6	65·1	53·3	51·6	57·8	56·8	51·0
9	66·2	47·8	59·5	63·6	63·3	55·6	55·6	56·8	56·8	51·3
10	69·0	43·0	57·5	64·5	64·0	53·1	50·9	54·6	54·7	50·0
11	71·7	44·6	63·9	68·9	69·5	52·8	58·1	59·5	58·5	49·7
12	76·7	48·0	65·6	71·7	70·8	57·6	60·8	63·8	63·3	56·4
13	71·1	55·5	64·8	68·6	67·8	56·8	59·6	58·0	58·8	54·3
14	72·3	53·0	64·2	68·6	68·6	58·8	59·6	60·2	61·3	56·1
15	65·1	52·3	61·3	60·3	63·7	56·1	58·6	59·8	59·2	52·2
16	65·4	52·1	59·6	61·5	63·6	56·5	53·1	53·6	55·6	54·8
17	65·9	53·9	58·4	62·8	64·7	56·3	53·8	56·0	55·0	51·6
18	64·4	51·1	56·3	60·4	59·6	57·3	50·8	52·8	53·8	53·7
19	73·3	55·6	66·0	70·0	71·4	60·1	62·8	62·2	60·8	55·1
20	73·4	58·3	64·2	68·0	69·4	58·3	62·8	64·6	64·6	56·8
21	70·0	49·1	60·8	64·7	69·3	60·8	57·6	62·0	64·8	60·6
22	64·8	53·1	64·3	62·6	61·3	53·4	62·0	60·6	54·8	51·5
23	64·5	44·6	53·6	61·5	59·6	50·9	50·3	52·4	51·9	48·2
24	61·9	45·0	52·7	59·5	57·1	60·3	52·2	55·1	56·5	59·2
25	60·6	49·8	53·4	55·6	58·0	51·0	47·7	47·9	48·9	46·8
26	61·9	38·1	50·1	60·7	59·1	54·7	48·1	51·9	52·8	52·2
27	73·6	54·1	61·8	66·8	70·4	60·1	60·0	63·0	63·2	59·2
28	72·8	59·3	63·1	67·6	71·3	59·3	62·3	63·3	62·6	58·3
29	59·6	49·6	53·9	50·6	57·2	53·5	53·7	49·8	53·9	51·6
30	60·1	49·3	56·5	56·6	51·7	49·8	54·4	51·6	49·6	46·4
Means	68·2	50·5	59·7	64·1	65·1	56·3	56·0	57·7	57·7	53·7
OCTOBER.										
d	°	°	°	°	°	°	°	°	°	°
1	59·9	46·1	55·3	59·3	55·2	51·8	50·3	52·4	50·8	48·5
2	58·8	42·0	50·1	56·7	56·1	52·9	46·9	50·9	52·5	52·8
3	55·3	44·3	54·2	54·6	50·4	49·3	49·0	50·8	49·6	49·0
4	61·0	47·2	55·9	59·9	58·1	49·5	54·1	56·9	54·9	48·2
5	60·7	48·0	52·2	59·0	57·3	51·1	50·2	54·2	53·8	49·6
6	58·2	43·0	48·3	55·8	55·8	45·8	47·8	52·8	51·4	45·3
7	61·5	39·0	45·1	58·6	60·2	48·2	44·5	52·8	53·4	46·6
8	55·6	42·8	52·6	50·6	55·0	48·1	51·2	49·8	52·5	45·8
9	59·0	45·7	52·6	55·6	56·5	58·7	49·9	50·9	53·6	57·3
10	60·6	49·0	53·6	56·3	58·1	49·6	51·4	47·8	48·6	45·1
11	61·6	46·7	52·6	59·5	56·8	47·8	47·9	51·5	49·6	45·4
12	59·7	39·2	48·6	56·8	58·2	44·8	45·3	49·7	50·8	43·8
13	59·5	40·9	51·5	58·5	57·2	48·8	48·8	51·7	51·8	47·8
14	60·5	47·5	55·7	58·5	59·5	54·8	53·8	56·0	56·2	54·0
15	61·9	52·9	58·6	59·6	59·6	57·3	56·4	56·1	55·9	54·8
16	63·2	53·8	56·1	60·0	62·3	57·8	54·2	57·2	59·5	56·7
17	60·3	47·4	54·3	59·3	59·4	52·1	50·9	52·5	52·7	49·6
18	59·9	50·8	52·9	56·8	58·7	55·0	48·3	49·4	52·1	51·5
19	55·8	45·9	52·1	54·7	53·6	46·3	46·5	45·9	45·4	41·8
20	49·4	38·7	45·6	48·4	46·9	39·4	42·0	42·3	40·0	34·1
21	46·7	28·0	38·1	44·7	46·4	41·8	33·1	37·4	39·2	36·8
22	48·7	38·4	41·8	45·0	47·8	38·6	39·9	42·5	44·3	38·1
23	54·5	32·5	42·8	52·7	51·5	39·0	40·1	45·4	44·7	36·8
24	51·2	39·0	47·4	49·8	49·3	45·2	44·8	44·1	42·5	41·5
25	52·3	40·1	44·6	50·8	48·5	42·6	41·5	44·8	42·3	39·0
26	51·6	29·7	37·6	47·3	50·8	51·5	36·8	44·3	46·8	50·3
27	60·1	51·5	57·1	59·6	59·4	58·3	54·4	55·6	55·8	55·3
28	62·4	56·8	60·3	60·7	60·9	57·2	56·8	57·1	57·3	57·0
29	60·4	48·5	58·4	59·9	58·8	48·8	56·0	55·1	56·4	43·2
30	56·2	41·7	49·2	54·2	52·5	53·0	45·3	48·9	49·4	49·8
31	59·7	50·6	54·6	58·8	56·8	55·9	51·9	54·0	55·2	53·7
Means	57·6	44·1	51·0	55·5	55·4	49·7	48·1	50·3	50·6	47·4

Day 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	59·6	42·8	58·0	59·1	53·6	43·0	55·0	55·9	50·1	42·8
2	58·0	41·1	54·7	56·6	57·6	53·0	53·4	55·0	55·8	52·6
3	62·8	49·0	57·7	60·5	62·5	57·2	55·8	57·0	57·5	54·2
4	58·1	47·9	50·7	54·9	53·6	48·3	49·8	52·9	49·8	47·6
5	51·2	40·0	43·4	45·6	50·7	50·1	43·3	45·4	49·0	48·8
6	51·9	36·1	44·4	51·8	46·6	39·3	41·7	45·8	44·8	38·8
7	47·3	36·1	45·1	46·6	45·1	44·2	44·1	45·6	44·4	43·5
8	47·1	34·6	45·7	46·7	46·3	44·8	44·5	45·4	45·6	44·0
9	51·9	41·1	48·6	50·2	49·6	43·5	47·8	48·1	45·2	41·8
10	54·3	41·1	51·2	51·6	50·3	45·3	48·0	48·6	47·8	44·8
11	51·9	38·6	42·6	48·0	50·9	47·3	42·0	45·8	46·0	46·0
12	50·0	38·8	45·3	46·8	45·9	40·4	43·8	44·0	42·0	39·7
13	48·5	38·0	40·8	46·8	47·1	42·2	40·3	44·7	44·9	40·5
14	53·4	38·1	50·6	52·8	51·8	52·6	48·4	49·1	49·7	50·1
15	52·6	43·1	49·5	50·6	51·0	45·2	45·9	48·6	49·3	44·1
16	48·9	38·2	43·6	47·9	44·7	45·1	42·8	45·0	43·8	44·6
17	48·6	43·4	48·0	48·5	45·8	45·0	47·1	47·9	44·8	42·8
18	49·2	44·1	45·7	47·8	48·8	47·0	43·6	45·6	46·3	45·0
19	51·9	35·3	40·8	50·5	48·7	45·3	39·5	46·9	45·1	44·9
20	50·0	44·5	48·1	48·1	49·6	49·9	47·6	47·3	48·6	49·6
21	50·9	38·6	43·8	45·1	45·6	45·9	42·4	43·8	44·6	44·5
22	47·0	41·9	43·8	46·3	46·4	43·7	43·0	45·0	44·8	42·3
23	44·9	37·0	42·1	43·8	43·8	37·6	39·9	40·5	40·3	36·1
24	42·6	33·1	35·5	41·7	42·4	38·1	34·7	38·9	39·6	35·9
25	38·9	29·4	31·7	36·6	37·3	33·1	31·1	36·0	36·7	32·6
26	50·5	30·6	42·6	48·4	48·0	45·9	40·0	44·3	44·2	43·5
27	47·6	38·2	40·1	46·6	45·6	41·6	38·8	43·1	42·5	39·7
28	56·0	41·3	52·7	53·6	54·9	49·9	51·5	52·1	51·0	46·2
29	50·1	40·7	44·5	47·9	48·5	47·0	41·8	44·5	44·0	44·8
30	49·9	42·0	45·3	47·1	46·9	49·9	42·7	44·3	44·7	48·4
Means	50·9	39·5	45·9	48·9	48·7	45·4	44·3	46·6	46·1	44·0
DECEMBER.										
d	°	°	°	°	°	°	°	°	°	°
1	50·5	39·7	42·0	44·7	43·6	41·5	40·1	40·7	39·1	37·7
2	45·4	37·2	38·8	44·3	44·0	39·4	36·6	39·8	38·8	36·8
3	41·8	35·1	35·8	41·7	41·4	36·6	34·8	38·8	38·0	34·8
4	42·8	30·6	39·4	39·4	41·6	30·9	37·9	38·1	38·1	30·3
5	40·3	30·4	35·5	39·1	38·6	34·4	33·7	36·1	36·0	33·0
6	41·4	31·5	37·0	40·9	40·6	38·9	36·0	39·5	39·3	38·5
7	39·0	32·0	33·0	34·6	35·4	36·4	33·0	34·6	35·0	35·3
8	46·5	36·0	39·0	44·6	45·7	42·1	38·0	42·4	43·2	40·8
9	44·2	40·7	41·5	44·0	43·0	41·5	40·4	42·2	41·3	39·2
10	42·3	38·9	40·7	42·1	41·6	41·4	36·9	38·0	37·8	39·7
11	42·9	40·4	41·6	42·2	41·8	40·9	40·6	40·8	40·0	39·5
12	40·9	36·2	39·7	39·7	37·4	37·0	38·2	38·7	34·9	34·8
13	38·2	34·2	35·2	37·5	38·1	37·4	32·5	34·8	35·3	35·8
14	37·5	29·5	34·6	34·5	33·6	30·7	31·2	30·9	30·9	28·7
15	44·2	30·7	42·4	43·4	43·1	36·0	41·6	42·9	40·8	33·8
16	45·1	33·9	41·4	44·6	40·3	37·4	37·8	40·5	38·5	35·9
17	37·5	30·8	32·4	34·9	36·3	34·8	32·0	33·8	34·8	34·0
18	35·9	29·3	31·4	35·3	34·5	30·4	31·3	33·8	33·3	30·1
19	36·8	30·0	34·7	35·7	35·8	32·9	34·5	35·5	35·6	32·5
20	35·0	29·3	31·6	33·6	34·3	30·9	31·3	32·0	32·8	30·7
21	34·0	27·0	29·7	32·6	34·1	30·1	29·2	31·0	32·6	29·3
22	36·5	27·2	29·3	34·5	36·2	31·0	28·8	31·8	34·0	29·8
23	31·0	20·2	27·3	25·8	24·6	27·5	26·8	25·7	24·3	27·2
24	42·6	26·3	33·0	36·6	40·2	42·6	32·4	36·1	39·8	42·3
25	48·9	41·0	44·3	47·9	48·2	46·9	43·8	46·6	46·5	44·9
26	51·5	44·8	47·2	50·0	50·6	48·6	46·7	49·6	47·6	46·6
27	51·2	46·2	49·0	49·5	48·6	47·3	47·4	48·5	46·8	45·8
28	52·0	42·9	50·7	51·0	49·2	43·6	49·7	50·0	47·8	42·2
29	48·0	40·5	43·2	45·7	45·2	46·7	42·8	43·9	43·0	45·1
30	50·9	46·0	49·8	50·7	48·5	48·1	47·8	47·9	46·2	46·8
31	50·5	45·8	48·2	49·6	50·3	47·4	47·4	48·8	49·1	46·4
Means	42·8	35·0	38·7	41·0	40·9	38·4	37·5	39·2	38·7	37·0

AMOUNT OF RAIN COLLECTED IN EACH MONTH OF THE YEAR, 1935.

Gauges partly sunk in the Ground in the Christie Enclosure.	Number of Gauge.	Monthly Amount of Rain collected in each Gauge.													Height of Receiving Surface.	
		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	1·254	2·154	0·607	2·902	1·556	2·813	0·555	2·186	2·905	2·533	3·590	2·454	25·509	0 5	149 6
	8	1·226	2·135	0·574	2·822	1·527	2·760	0·562	2·228	2·871	2·571	3·598	2·435	25·309	1 0	150 1
Number of Rainy Days (0·005in. or over).	..	16	15	7	21	10	19	5	7	17	16	21	20	174	..	..

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	1935.												
	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the Year.
h	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
1	11·3	15·4	10·5	12·2	11·1	10·2	9·9	8·2	11·1	13·0	12·0	12·8	11·5
2	11·6	15·5	10·4	12·1	10·7	9·7	9·3	8·3	11·7	12·7	11·8	13·3	11·4
3	11·0	15·5	10·0	12·4	10·7	9·5	9·0	7·6	11·1	12·5	11·2	12·6	11·1
4	11·1	15·5	10·1	13·2	10·7	9·7	9·3	7·9	11·3	12·1	11·5	12·9	11·3
5	11·6	16·0	10·5	13·2	10·9	9·7	9·4	7·7	11·2	12·0	11·5	12·9	11·4
6	11·9	16·3	10·4	13·3	10·6	10·2	9·3	7·5	10·8	12·2	11·0	12·4	11·3
7	12·3	16·5	10·5	13·5	11·2	10·1	9·8	7·2	10·9	11·9	11·2	12·6	11·5
8	12·1	16·1	10·6	14·2	11·7	10·5	9·9	7·6	11·3	11·9	11·9	12·1	11·7
9	12·3	16·5	10·9	14·7	12·5	10·9	10·1	8·5	12·5	12·2	12·1	12·9	12·2
10	12·5	16·8	11·5	14·7	12·8	11·7	10·0	9·0	12·7	12·9	12·3	12·6	12·5
11	13·3	17·4	12·5	15·9	13·2	12·1	11·5	9·4	13·2	13·6	12·5	13·3	13·2
12	14·0	18·0	13·3	16·2	14·1	13·4	12·6	10·3	14·4	14·7	13·2	13·8	14·0
13	12·7	16·9	12·3	15·4	13·9	12·9	12·1	10·2	13·8	14·7	12·9	13·0	13·4
14	13·2	17·6	12·8	14·8	14·2	13·2	12·0	9·9	14·0	14·7	12·8	13·4	13·6
15	13·9	17·3	13·1	15·0	14·5	13·9	12·3	10·4	14·6	15·3	13·1	13·8	13·9
16	13·1	16·7	13·1	15·0	14·2	13·6	12·1	10·3	14·3	14·9	12·8	13·1	13·6
17	13·3	17·0	13·4	14·8	14·3	14·1	12·1	10·1	13·7	14·3	11·8	12·9	13·5
18	13·1	16·3	12·6	14·7	13·5	13·7	12·7	10·4	13·6	13·9	12·0	12·8	13·3
19	12·2	15·8	11·7	13·6	12·8	12·8	12·1	9·9	12·7	13·5	12·2	12·3	12·6
20	12·3	16·0	11·3	13·0	12·0	12·4	12·1	9·3	12·0	14·4	12·6	12·7	12·5
21	11·8	15·8	11·4	12·4	12·1	11·3	11·3	8·7	12·0	13·9	13·0	12·9	12·2
22	11·4	15·1	11·2	11·5	11·7	10·6	10·9	8·8	11·5	13·3	12·7	12·9	11·8
23	11·2	15·1	11·0	11·7	11·3	10·5	10·4	9·0	11·7	13·9	13·1	12·5	11·8
24	12·0	15·0	10·8	12·2	11·3	10·1	10·6	8·8	11·5	13·6	12·7	12·4	11·8
Means	12·3	16·3	11·5	13·7	12·3	11·5	10·9	9·0	12·4	13·4	12·2	12·9	12·4
Greatest Hourly Measures	31	35	29	29	27	27	23	19	34	33	27	29	..

* 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.

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