RESULTS OF THE MAGNETIC AND METEOROLOGICAL OBSERVATIONS

Made at the Royal Greenwich Observatory, Abinger
the Royal Observatory, Greenwich
and the Royal Greenwich Observatory, Herstmonceux
in the year

1950

UNDER THE DIRECTION OF
SIR HAROLD SPENCER JONES, Sc.D., F.R.S.
ASTRONOMER ROYAL

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AND

ABINGER MAGNETIC STATION, SURREY.

MAGNETIC AND METEOROLOGICAL OBSERVATIONS 1950.

INTRODUCTION

STAFF

During the year 1950 the staff serving in the Magnetic and Meteorological Department consisted of H. F. Finch, Superintendent, W. Jackson, E. A. Chamberlain, G. F. Wells, P. L. Rickerby, B. R. Leaton, J. D. Winter and Miss C. M. Cannell. Mr. Chamberlain, resident observer and assistant-in-charge, and his assistants Mr. Rickerby and Miss Cannell, were employed exclusively at the Abinger Magnetic Station.

ABINGER MAGNETIC OBSERVATIONS

THE MAGNETIC STATION - *Site* (Lat. 51°11′5″ N; Long. 0°23′12″ W). Established in 1924, the station is situated on the northern slope of Leith Hill, Surrey, 800 feet above sea level. It is approximately 26 miles from the former site at Greenwich in a direction a little south of south-west. The nearest railway track lies at a distance of about 2½ miles.

The Pavilions. The absolute observations are made in the main pavilion which is constructed of carefully chosen non-magnetic materials. It is approximately 28 feet long by 15 feet wide and contains four stoutly built hard wood piers embedded into concrete bases 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 measuring horizontal intensity; on the south-east pier, the coil-magnetometer for measuring vertical intensity; and on the south-west pier, the Earth-inductor for observing magnetic inclination.

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

A third pavilion measuring 20 feet square was added in 1932. More convenient and suitable for comparative observations than the second, this pavilion occupies a corresponding position to the north-east of the main pavilion. It contains three circular wooden piers set into concrete and free from contact with the floor, similar to those in the main pavilion.

The Magnetograph House stands 50 feet east of the main pavilion and is oriented with its principal axis north and south. An inner chamber, designed to house the magnetographs at a uniform temperature, measures 15 feet long by 12 feet wide by 8 feet high and is supported on small concrete piers. The whole structure is contained within an outer chamber whose walls are constructed to have a low thermal conductivity and are nearly two 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 a series of low-temperature non-magnetic metallic resistances distributed along the base of the walls and fed by alternating current drawn from the public mains supply.

The temperature of the magnetograph chamber is controlled by a thermostat placed at the centre of the room at the same level as the magnetic instruments. Daily readings of a thermometer attached to one of the variometers show that the departures from a mean temperature do not exceed 0°.2 C.

Projecting up through the floor are five concrete piers. Two of these, designed originally to support recording mechanisms, occupy the north-west and south-east corners of the room, their longer sides being transverse to the meridian. In 1938 a massive slate slab measuring 8 feet by 2 feet by $1\frac{1}{4}$ inches was cemented upon the pier occupying the south-east corner. The other three piers are situated at positions 2 feet west and 2 feet 6 inches south of the north-east corner; 5 feet 6 inches west and 5 feet south of the same corner, and 2 feet east and 3 feet north of the south-west corner. Also, in 1938 a heavy wooden table 8 feet by 3 feet was installed near the centre of the room to carry new recording mechanism. The legs of this table pass freely through the floor of the chamber and are cemented into the concrete base of the main building.

LAYOUT OF RECORDING INSTRUMENTS. At the beginning of March 1938 the apparatus used since 1925 to record D and H was superseded by La Cour variometers. These instruments are set up at the south end of the recording chamber in a line running geographically east and west. They occupy the eastern half of the slate slab previously described. The La Cour recording mechanism is mounted upon the table also referred to in the previous paragraph.

Occupying the western halves of the slate slab and wooden table is a "quick-run" magnetograph (see p. vii). On the opposite corner pier is mounted the recording mechanism of a wide-range magnetograph, the declinometer of which is carried by the same pier (see p. vii). The accompanying H variometer is mounted on the south-west pier, formerly occupied by the Watson quartz-fibre Z variometer.

VARIOMETERS - *The La Cour Horizontal Intensity Variometer.* A complete description of this instrument is to be found in *Publikationer fra det Danske Meteorologiske Institut,* No.11 (Copenhagen 1930), but for general information some details are given here. The magnet of cobalt steel is 8 millimetres long and weighs about 25 milligrams, the magnetic moment being 3.2 c.g.s. units. It is suspended at right angles to the Earth's horizontal field by means of a quartz fibre thickened at each end to form a small cone. Each cone fits into a conical brass socket having a fine slit in its side through which the fibre has passed. The focal length of the lens which projects the ray from the mirror attached to the magnet is 160 cms. Compensation for the effect of temperature on the moment of the magnet and the torsional constant of the quartz fibre is attained by optical means in which compensatory deflection of the emergent ray is produced by proportional curving (under temperature changes) of a bi-metallic lamina which supports a prism controlling the ultimate direction of the ray.

A small Helmholtz-Gaugain coil, having a field of 7.43 gamma per milliampere and made to envelop the variometer, is used both to orientate the magnet correctly with respect to the Earth's field and to determine the scale-value of the record. The orientation of the magnet was last examined on 1947 December 2 and was then correct within 0°.6. The adopted scale-value during 1950 was 4.35 gamma per millimetre.

The La Cour Declination Variometer. The general features of this instrument correspond closely to those of the variometer just described. The scale-value adopted during 1950 was 0'.92 per millimetre. Expressed as magnetic intensity the scale-value would be 4.99 gamma per millimetre at the present time.

The La Cour Vertical Intensity Variometer. This instrument is fully described in *Publikationer fra det Danske Meteorologiske Institut No.8.* The recording magnet, including knife-edges and mirror, is fashioned from a single piece of cobalt steel, with the purpose of eliminating the possibility of relative movements among its parts. It is oriented approximately at right-angles to the magnetic meridian. Compensation for temperature changes is optically effected as in the horizontal intensity variometer. The scale-value, determined by the small Helmholtz-Gaugain coil already mentioned, is 4.35 gamma per millimetre.

The Quick-run Variometers. These consist of a set of instruments closely resembling those described above and adapted by La Cour's method to record on a time scale of 3 mm. to one minute, i.e. twelve times as great as the normal scale. This recorder has been in regular use since 1938 November.

The Wide-range Variometers. Instruments formerly serving as standard variometers for H and D have been adapted to serve as wide-range recorders capable of registering on a small scale the largest variations in the two elements deemed possible of occurrence at Abinger. The H variometer, which was superseded as the standard by the La Cour recorder, has been "desensitised" by the addition, immediately beneath its base-plate, of a bundle of strongly magnetised needles set at right-angles to the magnetic meridian. The scale-value is 19.5 gamma per millimetre. The D variometer used at Greenwich from 1917 to 1925 is now fitted with a lens of 50 cms. focal length, which gives a scale-value of 3'.7 per millimetre. The two instruments are located as described on p. vi. The present position of the D variometer is such that it is necessary to deflect the recording light rays towards the recording cylinder through a large angle, and an appropriate mirror rigidly supported between the variometer and cylinder forms part of the apparatus. The wide-range variometers have been in regular operation since 1940.

Recording Mechanism. The two principal features of the La Cour recorders are: the three elements H, D and Z are recorded on separate strips of a single photographic sheet; the range over which the elements are able to record is greatly extended by the use of prisms in the optical train which furnish a multiple set of images. For each element are formed six secondary images, three on each side of the principal image, the separation being so adjusted that the image from one prism appears at the edge of the record just before the adjacent image passes off the opposite edge. The time-scale is approximately 15 mm. to the hour.

The time-marks are in all cases photographically printed on the sheets by momentary automatic illumination of an electric lamp. In the case of the La Cour magnetograph the original arrangement provides a series of small dots which constitutes a second, interrupted, trace of the element. These marks, however, have been supplemented by thin time lines extending the whole width of each record, these

lines being produced by adjustable long narrow mirrors which reflect light from an auxiliary time signal lamp. In the case of the "quick-run" and "wide-range" recorders, only the thin lines are printed.

The time-signals are derived from a relay connected to a mean solar clock in the computing room. For a period of one second at every tenth minute of Universal Time the clock operates a relay which in turn operates the lamps. Additional signals at the first and fifty-ninth minute of each hour serve to distinguish the hour signals. The error of the clock is observed daily by comparison with a time-signal radiating from one of the official broadcasting stations. The error, which seldom exceeds one second, is eliminated by temporarily adjusting the clock rate electro-magnetically over the required period of a minute or two.

OBSERVING INSTRUMENTS - *Declinometer.* 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′. The telescope has a six-inch circle on which azimuths are read by means of two microscope-micrometers to 1″. 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 are made at intervals by means of observations of Polaris. During each observation both direct and reflected views of the star 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.

The Schuster-Smith Coil Magnetometer. This instrument is on loan to the Observatory from the National Physical Laboratory. It is the second of the type constructed 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 measurement 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″ 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 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 approximately 2 metres from the pier, and spots of light are reflected to them by small concave mirrors in the instrument.

Situated outside the observing pavilion, about 40 feet to the south, 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 fall of potential across a known resistance is brought to equality with the voltage 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 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 precise 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 bar of similar dimensions 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 which 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 horizontal component of 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 azimuthal 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 measurement of horizontal intensity is readily obtained in two minutes.

If F be the factor of the coil and i be the current passing, in amperes, then the intensity of the field at the centre of the coil, in gamma units, is $Fi \times 10^4$. The adopted value of the factor F of the coil is 3.59570 (1-.0000043t), t being temperature Celsius.

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.

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 1950 is based were verified in August 1949. To convert the measure of current from international units to c.g.s. units the factor adopted prior to 1938 January 1 was .99997; but from this date onward the value adopted has been .99988. The change introduces a discontinuity into the deduced values of H of -1.7γ.

Comparisons of this instrument with the Rude Skov standard have been made using the Q.H.M.'s of the International Association of Terrestrial Magnetism and Electricity. The following results were obtained:-

1950 May		1950 November	
Q.H.M. 90 - Abinger	= +3.4γ.		
Q.H.M. 91 - Abinger	= +5.0γ.	Q.H.M. 91 - Abinger	= +5.6γ.
Q.H.M. 92 - Abinger	= +3.9γ.	Q.H.M. 92 - Abinger	= +5.7γ.
Mean	= +4.1γ.	Mean	= +5.6γ.

The Vertical Intensity Coil Magnetometer. This instrument, designed by D. W. Dye for direct measurement of vertical intensity and constructed under his supervision at the National Physical Laboratory, Teddington, is on loan to the Royal Observatory from the Laboratory. It is erected on the south-east pier of the observing pavilion and was adopted as the standard for measurement 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 of 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. x). The current is taken from the battery which supplies the *Schuster-Smith* instrument.

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 mentioned above.

A weak alternating current, supplied from a generator at some distance from the instrument, passes through the test coil. The reaction between the field produced and the surrounding magnetic field subjects the test-coil to a forced oscillation which vanishes only 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 small mirror on the test-coil of an image of illuminated cross-wires to a screen erected about 2 metres distant.

The adopted value of the factor F of the coil is $F = 3.59643\ (1-.0000079t)$, t being temperature Celsius. The constants of the potentiometer in use during the year 1950 for the measurement of the current were verified at the National Physical Laboratory in 1949 September. The factor adopted for the conversion from international units to c.g.s. units was the same as for the Schuster-Smith coil (see p. x). The change on 1938 January 1 introduces a discontinuity of -3.9γ into the deduced values of Z.

The Absolute Inclination Instrument. An Earth Inductor by the Cambridge Instrument Company, 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.

REDUCTION OF RESULTS - *Time* - The system of time used in the reductions is *Universal Time* (U.T.).

Hourly Values. The estimated mean ordinates of the photographic traces for each hour are measured from the base-line by the aid of an etched glass scale - the hour being the period of sixty minutes commencing at the time named in the tables. From the tables of these measures are obtained the mean daily and mean monthly values for each hour of the day and the value of the elements for each day of the month.

Base-lines. Values of the base-lines are adopted from smooth curves drawn through points plotted upon charts, each point representing the mean of several independently observed values. Ten observations of declination, eight of horizontal intensity and six of vertical intensity are made, on an average, each week-day. Prior to 1929 the base-line values for vertical intensity traces were computed from absolute observations of inclination I, combined with simultaneous values of horizontal intensity H, taken from the magnetograms, in accordance with the relation $Z = H \tan I$. From 1929 January 1 the values have been obtained directly from observations of vertical intensity with the coil-magnetometer. The change introduces a discontinuity of about 30γ into the definitive values of vertical intensity, corresponding to 0.′9 in inclination. The latter is to be attributed to hitherto unsuspected wear in the bearings of the Earth inductor which, at the time of its discovery, made the observed values of inclination too large by this amount.

Temperature Corrections. As the magnetograph chamber is maintained at a sensibly constant temperature and, moreover, the temperature compensation in the variometers themselves has been closely attained, in general no temperature corrections are required.

K - Indices. In conformity with a resolution passed at the Washington Assembly of the International Association of Terrestrial Magnetism and Electricity in 1939 September, the magnetic character of each day is estimated by means of three-hour-range indices, the index "K" for each three-hour period from 0^h to 24^h U.T. being assigned according to the principles described in an article published in *Terrestrial Magnetism and Atmospheric Electricity,* Vol.44, pp.411 *et seq* (December 1939).

The scale adopted for this purpose is constructed as follows:- The average quiet day variation during a particular three-hour period being reckoned as "0", any excess greater than 5γ but less than 10γ is reckoned as "1"; an excess between 10γ and 20γ as "2"; between 20γ and 40γ as "3"; between 40γ and 70γ as "4"; between 70γ and 120γ as "5"; between 120γ and 200γ as "6"; between 200γ and 330γ as "7"; between 330γ and 500γ as "8"; greater than 500γ as "9".

The traces of all three elements are examined and the largest variation recorded in the interval is used to give the "K" index for that interval.

THE TABLES. Tables I to III contain respectively the hourly mean values of declination, horizontal intensity and vertical intensity.

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.

Table IVA contains, for each day of the year, the eight individual K-indices, arranged in succession, together with their sums.

Tables V to VII contain the mean diurnal inequalities obtained from "All" days and from "Quiet" and "Disturbed" days as selected by the International Committee. In addition to monthly and annual values there are given values for the seasons, viz. Winter (January, February, November, December), Equinox (March, April, September, October) and Summer (May, June, July, August). The values in these tables are *not* adjusted for the effect of non-cyclic change.

The figures quoted for the north and west components and the inclination are computed from the corresponding inequalities in declination, horizontal intensity and vertical intensity, the computations being in general carried out to one significant figure beyond that printed. Extreme values are indicated in heavy type.

Tables VIII and IX contain the harmonic coefficients obtained from an analysis of the inequalities in the north (X), west (-Y) and vertical (Z) components. In the case of the International Quiet and Disturbed days, the inequalities are adjusted for non-cyclic change before analysis, but in analysing the results for "All" days the non-cyclic change is ignored. The phase-angles in Table IX are corrected to refer to Abinger Local Mean Time.

Table X. In the annual volumes from 1926-1931 this table contains the range of the mean diurnal inequalities abstracted from the figures given in Tables V to VII for the months, the year and the seasons. In 1932 a change was made which was inadvertently not noted at the time. Thenceforth the figures given for the *year and the seasons* are derived from Table X itself by meaning the values of the months constituting the particular group.

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

Table XII contains the mean monthly and annual values of the components collected together. In forming this table corrections are applied when necessary, to the values of H and Z 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 XVA contain the daily values of the base-lines of the magnetograms reduced from the absolute observations.

Table XVI. The first part of this table contains 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 early observations of declination made from 1818 to 1820. The second part contains corresponding values determined at the Abinger Station since 1925.

REPRODUCTION OF MAGNETOGRAMS. A brief descriptive summary of the more significant movements recorded in the magnetic elements during the year is accompanied by reduced copies of the Abinger Magnetograms illustrating disturbances of special interest.

Meteorological observations were continued as in previous years until May 31 when, as a result of the transfer of personnel to the new observatory at Herstmonceux, Sussex, automatic recordings of atmospheric pressure, temperatures, wind and atmospheric pollution were discontinued, together with eye observations made at 12^h, 15^h and 21^h. During the remainder of the year observations were secured at 9^h only and included the following:- barometer, dry-bulb and wet-bulb readings, maximum and minimum air temperatures, solar maximum and glass minimum radiation and rainfall. The maximum and minimum thermometers in the revolving stand were also read.

Sunshine and night-sky recordings were maintained throughout the year as was the weather diary.

HERSTMONCEUX. (Lat. 50°52′N; Long. 0°21′E).

Sunshine Recorder. A Campbell-Stokes Sunshine recorder, Mo 284/48 (Sphere No. 1142/48), was brought into use at Herstmonceux on July 1. Mounted upon a specially constructed brick pier on the east turret at the south entrance of the Castle the instrument commands an excellent horizon.

Night-Sky Recorder. Routine night-sky recording commenced at Herstmonceux on July 6. The instrument employed, constructed in the workshop at Greenwich some years before, consists of a simple quarter-plate camera, protected by a surrounding weather-proof box and incorporating an ordinary 2 dioptre spectacle lens, of focal length approximately 48 cms. The working aperture is 19 millimetres.

The camera is mounted on the roof of the Solar building and the shutter is opened and closed at the appropriate times by hand.

ARRANGEMENT OF RESULTS. The results obtained at Greenwich during the first five months of the year are set out as in previous years. From June 1 the data are arranged in a single table, in which the figures relating to the sunshine and night-sky records secured at Herstmonceux are listed in the last six columns.

The following are the symbols which have been adopted for clouds and weather.

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	gale
h	hail
i	intermittent

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

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

CLOUD FORMS

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

ADDITIONAL SYMBOLS

lu-ha	lunar halo	*prhn*	Parhelion	*so-ha*	solar halo

ROYAL GREENWICH OBSERVATORY

ABINGER MAGNETIC STATION

Results of Magnetic Observations

1950

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January	9° + Tabular Quantities																								
1	23.0	23.2	20.6	22.0	21.6	22.4	22.3	22.0	22.2	23.4	25.0	26.3	27.8	26.9	26.1	25.9	26.1	26.0	26.0	26.5	24.7	24.8	24.0	23.5	
2	23.0	22.1	19.7	18.3	21.1	22.6	22.0	21.9	22.3	23.0	24.3	26.1	27.1	27.0	25.9	25.0	24.5	24.8	24.2	23.3	23.5	23.8	24.0	24.0	
3	24.0	24.0	24.6	23.6	23.9	23.1	22.9	21.9	21.9	22.2	23.2	25.4	28.4	27.5	26.8	25.4	25.0	25.5	24.7	23.6	23.0	23.1	20.7	22.6	
4	22.0	23.2	23.8	24.0	23.7	23.4	23.0	23.0	22.3	22.2	22.8	25.1	26.0	27.1	26.8	27.7	26.6	27.0	25.4	22.3	19.6	17.5	21.4	22.2	
5 *	22.7	23.5	22.9	23.0	23.2	24.0	23.4	22.7	22.6	23.4	25.0	26.7	28.0	26.9	26.9	26.0	24.3	25.3	25.0	24.2	23.0	22.5	22.5	23.2	
6	23.6	23.6	23.0	24.3	22.0	23.0	23.2	23.0	23.3	24.3	25.3	26.5	27.6	26.9	27.0	25.7	27.6	25.0	23.6	23.0	22.6	22.4	21.7	20.5	
7	20.5	22.5	22.5	24.6	23.7	22.9	23.0	23.0	23.3	25.8	26.0	27.0	27.0	26.1	26.7	25.2	25.0	25.0	24.0	20.0	21.6	22.4	22.0	22.5	
8 *	22.6	22.8	22.7	22.9	22.7	22.9	22.6	22.4	22.4	23.0	24.0	24.8	25.7	26.3	25.6	25.3	25.0	24.5	24.0	23.8	23.5	23.6	23.7	23.9	
9	21.9	22.9	25.3	25.2	24.5	22.7	22.8	22.8	22.9	22.9	24.5	25.8	28.0	28.0	27.0	26.4	26.1	26.2	25.7	24.9	23.9	23.0	22.3	21.6	
10	23.0	25.2	24.0	23.0	23.8	23.8	24.0	23.5	23.8	23.9	25.0	25.0	25.8	26.0	26.0	26.2	25.3	26.0	26.0	23.3	22.9	22.2	22.7	23.3	
11	22.3	21.1	22.6	22.7	22.4	22.4	22.9	23.0	23.3	23.5	25.0	26.0	26.5	26.9	27.3	27.0	26.0	26.0	25.6	25.1	23.8	23.7	18.8	20.4	
12	21.9	23.3	21.9	21.0	21.7	22.6	23.4	23.1	22.8	23.8	24.8	26.1	27.5	27.7	27.0	26.3	26.8	28.2	28.3	24.2	22.9	21.3	20.0	20.1	
13	21.6	22.9	23.4	21.3	22.0	22.3	23.0	23.1	23.6	24.0	25.2	26.2	27.0	28.3	28.7	28.5	29.0	28.0	27.4	26.9	25.1	23.4	23.4	22.7	
14 **	22.8	23.7	21.9	22.7	22.4	21.8	22.6	22.8	22.5	22.8	24.9	25.0	27.5	27.4	29.0	26.9	24.3	24.0	26.0	20.7	15.0	19.4	22.0	23.5	
15	23.5	23.7	23.7	23.5	23.4	23.6	23.4	23.0	22.0	21.7	22.0	24.2	26.2	26.0	25.8	26.0	23.9	22.7	24.0	23.4	21.0	22.0	22.9	23.2	
16	23.2	23.3	23.2	24.7	24.0	23.1	22.6	24.0	24.3	23.8	24.0	24.7	25.4	26.0	25.3	25.0	25.1	25.3	24.9	23.6	22.2	20.0	17.0	22.0	
17 *	21.8	23.0	24.0	24.0	24.0	23.3	23.0	22.6	22.5	22.9	23.8	24.7	27.3	27.6	26.9	26.0	24.9	24.5	23.9	22.6	20.2	20.2	21.8	22.5	
18 *	23.0	24.0	24.4	24.4	22.0	22.2	22.4	21.6	21.3	21.9	23.0	23.4	24.6	25.5	25.0	24.9	24.5	24.6	24.3	23.6	23.5	23.1	21.2	22.6	
19	22.9	23.7	23.9	24.0	24.1	24.0	24.0	23.2	22.5	22.3	22.6	26.0	25.6	27.0	26.8	26.3	26.9	27.9	22.3	22.7	21.3	15.5	18.0	16.0	
20 **	15.0	20.2	18.0	19.5	22.3	21.7	23.7	24.5	26.6	23.0	24.0	26.7	28.0	32.4	30.0	27.9	25.4	25.2	24.0	23.1	21.6	21.0	21.5	22.4	
21 **	22.5	24.2	19.2	20.6	22.7	24.4	25.0	24.6	24.5	23.7	24.5	26.0	26.7	28.4	26.9	26.0	25.0	19.6	24.4	23.5	16.5	21.3	21.4	21.7	
22	22.4	22.4	19.6	22.1	22.4	22.6	23.0	22.7	22.1	22.0	23.6	24.7	26.0	26.9	26.2	25.1	24.4	23.9	24.0	23.8	22.4	22.1	22.0	22.2	
23	23.0	23.5	23.5	23.7	22.9	22.9	22.9	23.2	22.8	23.0	24.0	24.6	26.1	27.0	27.0	26.2	25.6	26.0	26.1	25.2	24.1	23.6	23.0	21.8	
24 **	20.5	21.3	22.0	22.3	23.0	23.0	23.0	23.0	22.0	21.9	23.0	25.2	27.3	30.1	28.5	34.9	32.8	25.1	33.5	29.8	14.0	7.4	15.4	13.5	
25 **	15.3	17.2	20.3	23.0	21.3	24.2	28.0	23.0	21.6	21.6	24.9	26.1	28.6	31.0	30.1	26.9	25.5	26.3	24.8	23.2	21.8	19.6	14.7	19.0	
26	19.0	18.6	20.5	20.5	22.0	20.2	20.6	21.5	21.4	21.6	22.1	23.0	24.7	27.5	27.8	26.8	26.6	27.8	27.9	24.9	24.0	23.2	22.2	22.1	
27	21.0	18.8	17.7	17.6	20.1	22.3	22.1	22.5	22.3	22.0	22.5	24.4	26.3	28.3	27.2	25.7	22.8	22.7	26.1	23.4	23.4	21.0	19.0	18.0	
28	15.5	18.7	19.4	19.4	20.1	20.9	21.6	21.4	21.5	22.0	23.9	25.8	26.8	28.0	27.7	26.4	25.1	25.6	25.5	24.1	22.0	22.7	22.2	22.3	
29 *	22.0	20.6	20.1	19.4	19.5	20.6	20.9	20.9	20.8	21.5	23.1	25.0	26.0	26.9	25.9	24.7	23.4	22.4	24.6	24.9	24.0	23.7	22.5	21.8	
30	20.4	20.0	20.1	20.2	19.4	18.6	19.4	21.9	22.6	21.2	22.4	23.2	23.9	25.0	24.7	24.9	24.8	23.5	24.9	23.5	26.0	20.3	22.6	22.7	
31	22.4	21.9	22.1	21.9	21.9	21.1	21.9	21.8	20.9	20.9	22.3	23.9	25.5	26.7	26.9	26.2	25.9	25.9	25.9	24.7	23.9	18.9	21.9	23.4	
Mean	21.6	22.2	22.0	22.2	22.4	22.5	22.9	22.7	22.6	22.7	23.9	25.3	26.6	27.4	27.0	26.4	25.6	25.2	25.4	23.9	22.2	21.2	21.2	21.7	
Mean *	22.4	22.8	22.8	22.7	22.3	22.6	22.5	22.0	21.9	22.5	23.8	24.9	26.3	26.6	26.1	25.4	24.4	24.3	24.4	23.8	22.8	22.6	22.3	22.8	
Mean **	19.2	21.3	20.3	21.6	22.3	23.0	24.5	23.6	23.4	22.6	24.3	25.8	27.6	29.9	28.9	28.5	26.6	24.0	26.5	20.1	17.8	17.7	19.0	20.0	
February	9° + Tabular Quantities																								
1	23.5	23.6	23.7	23.0	23.9	22.7	21.7	21.4	20.9	21.7	22.9	24.4	27.9	28.5	25.9	24.0	23.3	23.5	23.0	22.6	22.4	22.4	22.9	23.3	
2	23.4	23.1	23.9	23.2	22.8	22.2	22.2	23.5	21.1	19.8	23.8	23.8	27.6	27.4	28.9	29.8	30.6	26.0	25.1	22.1	21.4	21.8	21.1	21.5	
3	22.3	22.6	22.4	22.8	22.4	21.8	21.5	22.2	24.1	22.8	26.3	26.7	26.3	27.3	26.9	25.8	24.6	24.8	23.8	16.1	13.8	20.8	22.1	22.6	
4	22.4	23.4	23.1	22.8	22.8	22.4	22.8	22.4	21.5	21.7	23.1	24.8	26.5	27.5	27.8	26.5	19.7	25.0	22.9	20.8	17.0	19.8	20.1	21.5	
5	22.4	22.4	21.8	23.8	26.2	21.8	21.6	20.8	19.5	20.1	21.8	23.8	25.5	26.3	25.5	24.5	23.8	22.1	21.1	23.1	22.5	22.2	22.2	22.6	
6	22.7	22.8	23.2	23.4	23.8	23.7	23.7	22.8	21.8	21.2	22.2	24.4	24.7	25.2	26.1	26.1	24.4	23.8	23.9	23.5	22.7	22.6	22.1	22.4	
7	22.4	22.8	22.7	23.0	25.6	22.1	21.8	21.4	21.3	21.6	23.6	24.6	27.1	27.3	28.0	26.9	26.3	25.8	21.5	22.4	21.1	19.7	18.0	19.5	
8	22.0	21.9	21.9	21.6	21.8	20.8	21.5	20.7	19.9	20.0	21.7	24.2	26.8	29.2	29.8	28.8	26.5	25.3	24.5	22.2	21.7	20.8	20.0	18.5	
9	13.7	18.8	21.8	22.1	20.5	21.5	22.2	21.3	21.2	21.8	23.2	24.9	26.6	27.4	27.4	26.4	25.3	26.3	26.8	24.8	23.1	19.3	19.4	20.5	
10 *	21.5	22.3	22.2	22.2	22.2	21.9	21.9	21.8	21.6	21.5	23.2	25.2	26.1	26.4	26.8	26.4	25.4	24.3	24.5	23.8	23.0	21.6	21.6	22.4	
11	22.5	22.4	22.1	21.8	22.1	20.7	21.3	20.8	20.1	20.9	23.0	26.3	27.8	26.8	25.8	25.2	24.7	24.4	24.2	23.9	23.5	23.2	21.4	18.5	
12	18.4	18.8	21.4	22.4	22.2	21.8	21.8	21.1	20.3	20.9	23.3	26.3	27.2	28.0	27.1	25.3	24.6	24.1	23.9	23.3	21.7	22.4	22.8	22.5	
13 *	22.7	22.8	22.8	22.8	22.8	21.8	21.3	20.8	19.9	19.8	22.2	25.0	26.9	27.1	26.8	25.8	24.8	24.7	23.6	23.0	23.3	23.1	22.8	22.8	
14	22.8	22.8	23.0	24.7	22.2	21.4	21.6	21.4	21.0	21.0	22.4	25.1	27.1	28.4	27.6	26.7	25.2	25.6	24.8	23.8	23.8	23.1	22.5	22.5	
15	23.6	23.0	23.8	22.8	22.4	22.6	21.8	21.4	20.8	20.8	22.4	25.5	27.8	28.8	28.7	26.8	25.7	25.3	24.4	22.1	23.7	23.1	22.2	21.6	
16 *	21.6	22.5	22.7	22.5	21.9	21.3	20.8	20.8	20.8	20.8	22.8	24.6	26.4	27.5	26.8	26.0	24.7	23.9	23.8	23.1	22.8	22.4	21.8	22.6	
17 *	23.2	23.4	22.9	22.8	22.6	21.8	21.4	20.8	20.3	19.8	22.4	26.2	28.6	28.8	28.8	27.5	25.9	25.4	24.8	23.8	23.2	22.8	22.8	22.3	
18	22.2	22.4	22.4	22.5	22.3	21.8	21.5	20.9	20.7	20.3	21.8	24.8	26.8	27.8	27.3	26.6	26.0	25.0	23.4	23.8	24.2	23.7	23.4	23.1	
19	23.0	23.0	22.8	22.8	22.6	22.3	21.8	21.4	19.9	18.8	20.8	23.4	26.5	28.0	27.8	26.6	25.6	25.3	24.6	24.0	23.3	23.0	22.9	23.2	
20 **	23.1	23.6	23.3	23.0	23.3	22.8	22.4	21.3	20.8	20.2	22.0	25.6	27.2	27.9	29.3	31.8	28.8	29.6	29.8	16.8	15.4	-13.6	3.2	3.9	
21 **	15.9	8.8	6.8	10.9	16.8	11.2	14.8	17.5	20.8	21.6	21.3	23.2	28.0	26.9	26.3	24.8	21.8	22.4	21.5	20.6	13.8	17.8	17.8	16.9	
22 **	13.8	15.4	15.0	18.8	20.3	20.3	24.2	22.1	19.8	19.0	21.8	24.6	25.8	26.8	26.8	23.8	23.2	19.3	11.8	18.8	18.0	18.4	18.1	16.8	
23 **	19.8	20.8	19.4	20.7	20.9	21.2	21.8	21.0	20.7	20.9	23.1	24.8	31.2	33.7	30.8	32.4	27.2	26.8	22.8	19.1	15.1	9.2	2.4	1.6	
24 **	15.2	11.6	10.7	12.0	15.2	16.1	24.6	24.1	22.6	20.9	21.8	22.4	24.0	25.5	25.8	25.2	23.9	23.2	23.1	21.4	14.3	13.7	15.1	18.2	
25	15.4	13.8	19.6	24.2	21.8	21.8	21.8	22.2	22.4	20.8	21.4	24.2	25.2	25.0	24.7	24.1	23.8	23.4	23.4	23.2	22.8	22.2	21.8	21.5	
26 *	21.7	21.6	21.8	21.8	21.9	21.6	21.3	20.8	19.8	19.2	19.8	23.1	25.6	26.5	26.6	24.8	23.4	23.0	22.6	22.6	22.5	22.3	22.0	22.0	
27	21.9	21.8	21.8	21.7	21.7	21.7	21.5	21.4	20.9	19.6	20.0	23.8	26.1	26.5	26.6	25.6	24.7	24.8	24.4	23.3	22.8	22.8	22.6	21.6	
28	21.8	21.0	21.7	21.1	21.1	21.1	22.0	22.4	21.6	22.6	20.8	23.9	25.6	27.8	27.2	26.2	24.0	23.1	22.4	22.3	21.9	22.2	21.8	20.2	
Mean	20.9	20.8	21.1	21.7	22.0	21.2	21.7	21.4	20.9	20.7	22.3	24.6	26.7	27.5	27.3	26.4	24.9	24.5	23.4	22.2	20.9	19.7	19.9	19.9	
Mean *	22.1	22.5	22.5	22.4	22.3	21.7	21.3	21.0	20.5	20.2	22.1	24.8	26.7	27.3	27.2	26.1	24.8	24.3	23.9	23.3	23.0	22.4	22.2	22.4	
Mean **	17.6	16.0	15.0	17.1	19.3	18.3	21.6	21.2	20.9	20.5	22.0	24.1	27.2	28.2	27.8	27.6	25.0	24.3	21.8	19.3	15.3	9.1	11.3	11.5	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March	9° + Tabular Quantities																								
1	20.6	21.7	24.6	21.5	19.7	20.0	20.3	20.4	21.3	22.0	23.3	26.9	27.8	27.2	26.3	25.0	23.2	22.6	22.3	22.1	22.1	21.7	21.4	22.0	
2	21.9	21.6	21.5	21.4	22.0	23.2	21.3	21.2	21.1	21.7	21.7	23.7	24.7	24.9	25.5	23.5	22.6	22.7	23.2	22.6	22.0	22.0	22.0	22.0	
3	22.2	21.7	23.4	21.7	20.7	20.7	21.0	20.7	20.0	20.5	21.9	24.9	27.7	28.1	27.2	26.0	23.6	22.7	23.6	22.6	22.1	21.6	21.1	22.0	
4 *	22.0	21.7	22.1	21.7	21.3	21.0	21.1	21.1	20.1	19.6	20.7	23.9	27.2	29.7	28.9	27.1	24.8	24.4	23.7	22.7	22.1	21.3	21.2	21.6	
5	21.7	21.7	21.7	21.7	21.7	20.7	21.2	20.3	19.9	20.6	21.7	24.7	25.7	27.0	26.3	25.4	24.2	24.2	24.0	23.7	23.0	22.9	21.5	21.1	
6	19.4	18.4	16.0	15.5	15.9	17.7	20.5	20.9	19.7	19.7	22.1	26.9	28.7	28.7	29.7	28.4	25.7	26.3	27.0	24.9	22.7	21.7	16.0	17.7	
7	17.4	15.4	16.0	16.0	19.1	20.4	19.7	20.9	24.0	24.7	26.6	29.7	28.7	29.7	27.4	25.8	24.0	23.9	22.9	20.5	20.7	20.7	21.6	19.7	
8	18.9	19.3	20.0	19.7	19.7	19.3	19.7	19.7	18.7	18.5	20.4	23.0	26.3	26.8	27.2	25.7	24.4	24.2	24.1	23.3	22.3	21.8	19.9	19.7	
9	18.3	19.2	19.4	19.2	19.4	19.2	20.5	19.1	18.7	19.1	21.4	23.7	26.4	27.5	27.2	25.5	24.8	25.7	24.9	23.2	23.3	22.3	21.7	21.6	
10 *	20.7	19.7	21.0	20.7	20.7	20.4	20.9	20.5	19.1	19.7	21.3	24.1	26.9	28.3	28.1	26.3	24.4	24.1	23.7	22.7	22.2	22.0	21.8	21.8	
11 *	22.0	21.7	21.3	21.4	21.1	20.5	20.5	19.7	18.2	18.7	21.4	24.4	27.1	28.4	28.3	27.0	24.8	24.1	23.7	23.0	22.2	20.8	20.7	21.2	
12 *	21.7	21.7	21.4	21.2	21.0	20.3	19.9	19.1	18.1	19.7	23.5	27.7	30.0	30.2	29.7	27.1	24.2	23.5	23.7	23.2	23.3	22.3	21.7	21.7	
13	21.8	21.3	20.7	20.9	20.7	20.8	20.7	19.3	18.7	19.2	21.3	25.5	28.0	28.7	28.3	26.7	24.7	25.4	25.3	21.1	22.9	22.7	22.3	21.7	
14	21.7	21.7	21.7	21.2	21.0	21.2	20.7	19.2	18.7	19.7	22.7	26.0	28.0	28.7	27.7	26.1	25.5	25.7	26.4	24.3	23.1	22.5	21.7	21.5	
15 **	21.9	19.0	17.7	6.6	11.7	17.3	17.9	17.7	19.1	19.3	21.5	25.1	27.9	28.2	27.0	24.7	22.7	21.8	20.5	20.7	21.1	21.9	22.3	21.5	
16	21.7	22.0	21.7	21.9	20.7	21.4	21.2	19.9	19.9	19.6	21.2	24.3	26.2	26.7	25.7	25.0	22.5	22.5	23.3	22.6	22.2	22.0	22.1	21.9	
17	21.7	21.7	22.9	21.0	20.9	20.3	20.7	19.2	18.5	20.7	22.7	27.0	27.4	28.3	27.0	24.7	23.1	22.7	22.6	21.8	21.6	19.1	20.7	21.7	
18 *	22.2	22.6	23.1	21.2	20.7	20.5	20.6	19.8	19.8	18.3	20.6	25.4	28.7	29.2	28.1	26.3	24.4	23.3	22.8	22.1	20.7	21.2	21.2	20.1	
19 **	19.7	21.2	21.7	22.1	20.9	21.2	20.2	22.4	19.5	19.7	18.3	24.6	30.7	32.2	30.0	29.9	25.3	18.7	22.7	23.0	21.7	20.9	20.2	18.7	
20	18.8	19.9	20.1	19.9	19.7	18.7	17.7	16.7	16.7	17.5	20.0	23.0	25.7	25.5	24.9	24.7	23.4	23.7	22.7	20.3	19.1	18.7	17.7	17.7	
21 **	18.7	20.7	20.0	19.1	21.0	19.0	19.3	16.9	15.9	16.5	22.0	26.2	28.6	30.7	30.0	27.0	25.1	23.2	23.1	21.6	16.7	17.7	14.8	16.1	
22 **	17.1	15.1	18.5	20.7	16.4	19.1	16.4	16.2	16.3	18.3	20.1	22.7	26.0	28.3	27.1	25.3	23.7	22.7	22.7	24.1	21.9	20.8	20.9	18.3	
23	18.9	20.7	20.6	20.5	19.2	19.7	19.7	18.7	18.0	18.7	21.2	24.5	28.0	28.3	27.9	25.7	23.3	22.2	22.0	21.3	21.3	21.3	21.3	19.0	
24	18.3	16.6	21.3	21.0	26.0	25.7	27.0	25.0	21.7	19.9	21.7	24.9	28.7	29.3	27.3	27.0	24.2	21.7	20.9	21.3	22.0	21.7	21.3	20.3	
25	17.0	16.4	15.0	19.5	19.5	23.9	21.0	17.7	16.2	17.0	19.9	24.5	26.7	27.5	26.9	24.8	23.1	22.4	22.0	21.7	19.7	21.0	21.7	21.3	
26	20.2	19.7	18.8	18.9	19.3	19.7	18.7	17.2	16.0	18.2	21.8	26.2	29.7	29.2	27.7	25.9	24.7	23.8	23.7	22.7	23.9	22.9	19.5	18.0	
27 **	17.3	18.3	23.5	14.6	17.8	21.0	19.5	17.4	17.3	19.7	24.1	25.9	26.9	27.7	27.7	26.0	14.2	19.7	20.0	18.5	16.7	15.3	19.5	21.5	
28	21.4	21.5	22.6	21.1	19.9	19.5	19.3	18.4	15.9	17.1	20.7	23.6	27.0	27.3	26.3	24.7	22.2	21.7	21.9	21.5	21.6	20.7	20.1	21.0	
29	21.2	21.2	21.7	20.0	19.7	20.0	18.6	16.3	16.3	17.0	20.7	24.0	26.7	29.0	28.3	27.7	25.7	25.3	25.1	22.8	22.6	22.4	19.7	20.3	
30	21.2	21.4	21.7	20.4	20.0	19.9	20.1	18.0	16.5	16.7	19.2	23.2	27.7	29.0	28.0	25.5	23.7	23.0	23.0	22.7	22.3	22.3	21.9	21.7	
31	21.3	21.2	20.7	20.7	20.7	20.9	20.9	19.7	21.9	21.0	23.2	26.7	28.4	30.0	30.6	30.3	23.7	25.1	25.2	24.1	22.9	19.7	17.7	19.7	
Mean	20.3	20.2	20.7	19.8	19.9	20.4	20.2	19.3	18.8	19.3	21.6	25.1	27.6	28.4	27.7	26.2	23.7	23.3	23.3	22.3	21.7	21.2	20.6	20.5	
Mean *	21.7	21.5	21.8	21.2	21.0	20.5	20.6	20.0	19.1	19.2	21.5	25.1	28.0	29.2	28.6	26.8	24.5	23.9	23.5	22.7	22.1	21.5	21.3	21.3	
Mean **	18.9	18.9	20.3	16.6	17.6	19.5	18.7	18.1	17.6	18.7	21.2	24.9	28.0	29.4	28.4	26.6	22.2	21.2	21.8	21.6	19.6	19.3	19.5	19.2	
April	9° + Tabular Quantities																								
1 **	21.1	13.4	14.6	15.3	20.2	19.6	19.1	15.8	15.5	19.1	21.7	24.7	30.5	28.8	25.7	24.8	24.7	22.4	20.8	15.7	16.6	15.5	12.8	17.7	
2 **	15.8	21.7	21.4	16.1	15.6	17.7	18.7	23.8	17.2	17.7	20.3	24.2	26.3	28.2	27.1	25.7	23.3	18.4	21.7	17.8	21.3	13.7	16.1	22.1	
3 **	15.1	12.6	17.1	20.9	19.2	17.7	20.3	17.3	18.6	18.6	22.9	27.5	28.0	31.6	31.9	27.0	27.1	26.9	23.8	18.7	17.0	18.5	18.5	17.4	
4	17.6	20.7	19.0	19.9	22.2	22.0	25.7	21.7	20.3	21.0	22.7	28.3	33.4	33.4	32.6	29.7	27.5	21.5	22.5	22.3	20.7	20.9	20.4	20.6	
5 **	20.8	24.7	20.7	18.9	23.8	23.2	17.0	13.9	15.9	19.8	23.3	27.7	32.1	35.1	31.8	33.4	28.9	25.7	19.3	17.7	18.8	13.7	9.1	8.1	
6	14.2	18.7	19.7	18.2	16.6	18.7	18.6	15.1	15.5	17.7	20.7	24.0	27.6	28.2	29.7	28.7	26.3	23.7	21.0	15.0	13.7	12.6	10.2	13.4	
7	18.7	14.2	15.9	18.6	18.8	18.2	18.3	17.5	15.8	16.6	19.7	24.2	27.7	30.1	29.6	27.2	24.7	23.5	21.7	19.5	17.5	19.0	20.0	20.4	
8	19.8	21.1	19.8	19.0	19.0	18.7	16.3	14.5	14.4	15.8	19.1	23.2	25.9	28.4	28.8	25.5	23.5	21.6	20.6	20.8	21.1	21.3	21.2	20.8	
9	20.6	19.8	19.7	20.2	19.4	19.3	18.2	15.3	13.8	14.8	18.8	23.1	26.6	29.3	29.1	27.4	25.1	22.9	21.5	21.0	21.6	21.8	19.8	19.0	
10	19.4	20.9	16.8	18.9	22.8	19.1	17.3	15.2	14.3	15.8	19.8	24.1	27.6	30.5	28.8	26.3	23.1	22.1	21.8	21.9	20.8	21.4	22.1	21.8	
11 *	21.0	20.8	19.6	20.0	18.4	17.4	16.0	13.8	13.8	16.7	20.2	24.8	28.1	29.1	28.4	26.3	25.0	23.4	22.2	22.4	21.5	18.8	20.1	21.3	
12	21.2	20.8	20.6	19.8	18.5	20.2	24.8	21.4	16.1	17.8	22.3	26.1	26.3	27.1	26.1	25.1	23.1	22.4	21.8	21.5	21.8	21.6	19.3	18.6	
13	19.7	19.8	23.9	21.4	18.8	18.1	17.4	16.1	16.4	18.8	23.1	27.6	29.3	28.8	27.0	24.8	22.5	22.0	22.6	22.7	22.3	22.3	21.7	21.0	
14 *	20.3	20.8	20.8	20.8	20.6	20.0	18.5	16.1	15.8	17.4	20.4	24.7	26.6	28.1	25.7	23.5	22.1	21.7	21.8	21.6	21.6	18.8	17.4	18.0	
15	20.8	20.7	20.2	19.1	20.1	20.8	16.4	18.4	16.4	17.4	22.6	27.0	29.9	27.2	26.8	26.3	24.1	22.6	22.1	21.3	21.2	21.5	20.0	19.3	
16	20.6	20.5	19.8	19.2	18.8	18.1	15.9	13.5	14.4	17.4	22.2	26.4	27.6	27.4	27.4	24.8	23.3	21.8	18.4	17.8	21.0	21.8	21.2	16.3	
17	15.1	19.2	18.8	16.8	18.1	17.1	16.0	15.5	14.8	17.8	22.8	27.8	29.4	27.6	26.1	23.1	22.8	22.1	20.2	17.8	17.3	17.5	17.2	15.6	
18	17.4	18.8	16.9	14.8	17.3	18.6	15.7	13.2	15.3	16.0	20.3	25.1	28.4	29.1	27.5	25.0	23.4	21.3	17.1	17.4	19.2	19.6	17.8	18.5	
19	20.2	19.8	18.0	16.5	19.0	22.0	23 0	19.8	16.0	16.0	18.3	22.5	28.2	31.1	29.7	31.2	29.7	26.1	22.6	19.7	22.4	17.8	16.4	14.1	
20	14.8	16.7	18.8	18.0	21.8	24.0	20.8	16.2	16.8	18.2	20.2	22.8	25.6	27.3	27.5	26.3	23.8	21.6	20.1	17.8	19.3	18.5	16.6	19.2	
21 *	20.8	20.6	21.2	19.8	19.0	19.8	18.3	16.3	14.8	16.4	19.8	22.7	25.3	26.3	26.4	25.7	24.2	22.1	20.2	19.9	20.2	20.4	20.3	20.4	
22	20.5	20.6	20.9	20.5	20.3	19.9	18.2	16.3	14.9	15.4	19.3	23.5	27.3	29.1	28.8	28.2	26.4	24.4	22.7	22.3	22.1	22.0	21.8	20.8	
23	20.4	19.8	19.2	18.7	17.9	18.8	15.3	14.8	15.0	16.1	20.5	24.9	27.1	30.1	29.4	27.3	26.4	23.7	21.6	21.7	21.1	17.1	16.8	18.8	
24	25.5	23.4	21.8	18.8	19.1	21.8	19.8	16.8	16.3	16.8	19.0	23.8	27.1	27.5	27.6	26.8	25.4	18.0	21.2	21.8	22.0	20.8	17.8	19.1	
25	21.8	20.3	20.1	20.0	19.8	21.8	19.5	17.8	14.5	15.2	17.8	22.1	25.6	27.1	27.4	25.7	24.1	22.4	21.3	21.1	21.1	21.1	21.0	20.8	
26 *	20.4	20.8	20.0	19.4	20.0	18.8	18.1	16.8	16.4	17.8	21.3	25.3	28.2	28.9	27.8	26.1	24.1	22.8	21.8	21.5	21.6	21.5	21.1	20.9	
27 *	21.1	20.8	20.8	20.1	19.5	18.8	17.4	15.1	13.8	14.8	17.8	22.4	26.1	28.5	28.5	26.5	25.3	24.0	22.8	22.6	18.6	19.0	18.4	18.2	
28	19.1	19.4	19.1	19.1	18.4	18.2	17.2	15.1	14.5	16.4	19.8	24.8	27.8	29.4	28.8	27.4	27.4	23.0	20.3	17.8	18.1	17.5	16.3	17.7	
29	18.4	17.5	17.2	18.1	17.4	16.4	15.5	15.1	15.1	16.8	21.2	26.8	32.1	33.2	33.2	32.1	27.3	25.4	20.1	21.1	20.8	20.5	20.4	16.8	
30 **	19.3	16.0	14.7	12.5	9.8	15.6	20.4	22.7	21.0	21.8	24.4	27.4	29.8	30.7	30.1	29.7	27.3	23.5	21.2	16.8	15.8	20.8	20.1	21.4	
Mean	19.4	19.5	19.2	18.6	19.0	19.3	18.5	16.7	15.8	17.3	20.7	25.0	28.1	29.2	28.5	26.9	25.1	22.8	21.2	19.9	19.9	19.2	18.4	18.6	
Mean *	20.7	20.8	20.5	20.0	19.5	19.0	17.7	15.6	14.9	16.6	19.9	24.0	26.9	28.2	27.4	25.6	24.1	22.8	21.8	21.6	20.7	19.7	19.5	19.8	
Mean **	18.4	17.7	17.7	16.7	17.7	18.8	19.1	18.7	17.6	19.4	22.5	26.3	29.3	30.9	29.3	28.1	26.3	23.4	21.4	17.3	17.9	16.4	15.3	17.3	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
May	9° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	21.1	21.4	19.7	19.0	17.8	15.1	12.6	11.5	12.3	15.1	20.4	24.1	27.8	29.4	28.5	26.8	23.8	21.8	21.5	21.6	20.6	18.1	20.8	21.1	
2	20.8	20.6	17.8	18.4	19.1	17.3	16.0	13.8	13.4	15.8	21.4	26.6	29.1	31.8	29.8	28.6	25.1	23.1	22.0	18.2	19.3	20.0	22.8	14.3	
3 **	11.8	16.8	19.5	15.4	12.8	11.1	12.8	13.8	13.4	17.0	23.5	27.2	28.6	29.6	28.8	27.4	24.8	22.8	20.6	17.8	21.8	20.1	14.8	17.1	
4	16.8	19.8	20.2	17.6	16.6	15.5	14.2	13.8	15.0	17.7	21.8	24.5	27.5	28.1	28.4	27.6	26.1	22.8	20.3	16.8	16.8	16.3	14.5	10.6	
5	17.4	18.1	17.8	18.0	18.2	16.8	14.6	14.7	14.7	17.8	21.2	23.3	26.3	26.3	25.3	22.7	23.1	21.8	20.4	20.3	17.8	17.6	18.8	17.9	
6	17.7	18.5	18.0	17.9	17.4	16.6	14.3	13.9	14.8	16.3	20.8	24.0	27.0	28.4	28.9	26.1	24.4	23.0	19.8	20.1	20.5	20.1	17.6	16.3	
7	22.2	16.6	17.2	16.8	15.8	14.6	13.6	13.8	14.4	15.6	18.4	22.4	25.6	26.3	25.8	26.0	24.3	22.8	22.3	22.1	21.6	20.8	21.8	18.1	
8 *	18.5	19.8	19.8	19.5	18.8	17.8	15.1	13.6	14.1	15.3	19.0	24.4	27.8	27.4	26.8	25.0	22.8	21.8	21.3	21.8	21.8	21.5	19.1	20.6	
9 *	20.5	20.3	19.8	18.0	17.1	16.1	15.4	14.6	15.0	17.2	20.0	23.3	25.6	26.1	26.1	25.1	24.8	23.1	21.2	19.9	20.8	21.4	20.4	19.0	
10	18.4	18.6	17.8	17.0	15.8	14.2	12.6	12.2	13.1	16.4	21.0	26.6	29.3	29.8	28.6	26.9	25.7	23.6	21.8	21.0	21.1	20.1	18.8	18.4	
11	14.6	17.8	16.2	15.4	14.5	13.1	12.1	13.0	16.6	20.2	24.8	28.4	30.8	31.4	30.8	27.0	25.1	23.1	21.6	20.6	20.0	19.8	20.6	19.8	
12 *	18.8	19.0	20.6	20.1	18.4	17.0	15.8	16.3	16.8	18.2	20.5	23.4	26.3	28.1	27.3	26.4	25.6	24.2	22.6	22.2	22.5	22.7	22.1	21.3	
13	20.5	20.9	22.3	20.3	17.8	16.2	17.6	16.8	17.0	18.9	21.0	22.8	25.8	27.1	27.5	24.6	23.4	22.3	20.8	20.3	16.5	17.7	18.5	16.1	
14	16.7	16.8	18.3	17.8	16.8	17.1	16.6	15.5	15.8	17.4	21.8	26.5	29.8	28.4	27.4	26.3	24.4	21.8	19.8	19.1	18.0	20.5	20.4	17.6	
15 **	17.8	20.8	22.8	21.0	18.8	17.2	15.0	13.3	14.5	17.6	22.2	25.6	27.8	28.8	29.4	26.3	25.8	23.6	21.6	17.8	15.1	18.5	15.1	16.8	
16	19.2	18.8	19.8	20.8	17.1	17.1	15.8	15.8	19.3	21.0	24.8	27.4	30.6	29.8	28.8	26.8	24.0	21.3	19.8	20.0	18.4	17.8	19.0	18.3	
17	19.3	19.8	18.8	18.3	17.8	16.8	15.0	14.9	16.2	17.0	20.7	24.2	27.2	28.8	27.0	25.9	24.3	22.1	21.1	20.6	20.5	19.5	20.5	20.4	
18 *	19.8	21.3	19.5	18.2	17.3	16.0	15.6	14.8	15.7	17.4	20.5	23.8	26.4	27.4	27.8	27.3	24.8	22.7	19.8	20.1	20.8	20.8	21.0	20.8	
19 *	20.4	20.2	20.1	19.6	18.5	17.1	15.7	14.2	14.2	15.6	19.9	24.4	27.1	27.8	28.4	27.8	26.2	22.7	21.3	21.8	21.3	21.0	21.1	20.8	
20	20.8	20.5	21.3	20.2	19.5	17.0	15.0	14.5	13.8	15.8	19.3	23.1	27.4	28.4	28.4	27.4	25.8	23.1	21.1	21.0	22.3	22.8	18.6	20.4	
21	20.1	19.4	19.4	22.1	18.0	16.3	15.1	14.1	14.4	16.1	19.0	22.8	25.8	26.4	27.2	25.8	23.8	22.0	21.3	21.4	21.8	21.6	21.4	21.2	
22	20.8	20.0	19.8	19.0	17.5	16.0	13.8	11.8	13.5	16.0	19.2	23.4	28.6	25.8	26.3	25.8	26.8	24.4	22.1	21.1	20.7	20.1	20.2	18.8	
23 **	20.2	18.9	20.4	20.3	17.4	19.6	15.6	10.8	10.8	14.8	20.9	25.5	28.5	31.3	33.8	30.7	27.1	22.6	20.8	19.3	20.8	19.6	18.6	18.5	
24	21.8	17.5	16.4	16.4	16.4	14.8	13.6	13.5	14.0	16.3	18.6	21.2	23.2	25.2	25.7	25.4	24.8	23.8	21.2	21.4	20.8	21.7	20.0	19.4	
25	20.8	20.5	19.2	18.8	17.9	15.6	13.8	11.8	12.4	15.2	18.9	23.3	26.7	28.8	29.2	29.4	25.2	24.1	23.2	22.0	22.2	21.4	19.8	16.8	
26	18.8	19.0	18.7	19.5	17.4	15.2	12.4	11.2	13.3	19.4	24.8	26.4	27.3	27.7	28.8	26.5	23.8	21.0	20.8	20.4	18.8	20.8	20.8	20.8	
27 **	20.4	20.8	17.4	15.3	14.6	14.7	14.6	15.0	16.0	19.0	20.2	22.3	25.4	29.4	28.2	26.8	25.8	25.1	24.0	22.3	17.8	18.2	16.4	13.0	
28 **	16.3	+ 9.2	- 3.0	+ 3.8	10.8	11.2	19.2	19.8	18.8	22.5	26.9	28.4	29.8	28.6	27.8	25.3	24.5	23.5	22.6	19.8	16.4	17.5	18.3	18.6	
29	18.7	17.9	13.3	12.6	15.6	13.9	13.3	12.4	12.0	13.8	19.0	23.8	27.9	30.2	26.2	25.6	24.4	21.8	18.8	18.8	19.8	20.0	16.8	16.7	
30	17.1	20.2	20.1	21.9	20.4	15.3	15.0	15.0	15.5	18.3	21.4	24.4	26.4	26.1	27.8	25.8	22.0	22.3	21.6	18.6	19.6	20.8	20.6	19.2	
31	19.0	19.2	19.7	18.5	16.7	15.6	15.0	14.3	14.1	16.1	20.5	24.3	28.4	29.9	29.2	27.0	24.6	22.5	20.7	20.0	20.1	19.0	18.4	18.0	
Mean	18.9	19.0	18.3	18.0	17.1	15.7	14.7	14.0	14.7	17.1	21.0	24.6	27.5	28.3	28.1	26.5	24.7	22.8	21.2	20.3	19.9	19.9	19.3	18.3	
Mean *	19.6	20.1	20.0	19.1	18.0	16.8	15.5	14.7	15.2	16.7	20.0	23.9	26.6	27.4	27.3	26.3	24.8	22.9	21.2	21.2	21.4	21.5	20.7	20.5	
Mean **	17.3	17.3	15.4	15.2	14.9	14.8	15.4	14.5	14.7	18.2	22.7	25.8	28.0	29.5	29.6	27.3	25.6	23.5	21.9	19.4	18.4	18.8	16.6	16.8	
June	9° + Tabular Quantities																								
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	17.6	15.1	15.6	16.4	17.6	12.6	10.9	11.7	12.2	16.2	19.7	23.2	25.6	27.2	27.6	28.9	28.2	25.0	22.8	20.8	20.0	17.6	19.9	18.1	
2	14.3	9.6	12.4	10.8	15.8	11.3	11.2	12.0	12.2	15.4	18.9	21.9	24.3	25.9	26.9	26.8	26.3	23.2	21.4	22.2	21.4	19.7	14.2	16.2	
3	17.8	17.6	17.9	20.2	16.8	15.3	15.4	14.6	13.9	14.4	17.6	21.3	24.0	26.0	28.6	28.6	24.9	25.6	22.6	16.8	19.6	20.4	19.3	19.7	
4	19.9	19.9	20.9	21.9	20.6	17.3	15.3	15.6	15.4	16.8	19.9	23.2	25.6	27.6	26.9	25.5	24.2	23.9	22.9	22.1	21.6	21.1	21.2	21.4	
5	20.5	20.9	19.9	18.1	16.9	16.6	16.6	15.6	14.9	18.4	20.1	24.0	26.1	26.8	27.2	26.2	25.2	24.4	23.2	22.2	21.2	19.6	20.1	20.2	
6 **	21.2	20.2	15.2	16.0	18.9	16.3	15.6	13.8	15.6	19.2	21.9	26.5	30.6	28.9	26.3	29.2	29.2	24.6	23.4	21.3	17.3	20.1	20.2	16.9	
7 *	16.9	17.1	17.6	17.6	16.4	15.8	15.6	15.6	15.9	16.7	18.7	21.4	23.6	23.9	24.5	23.9	24.5	24.3	23.1	21.6	20.7	20.6	20.0	19.3	
8	18.7	18.6	18.2	17.7	17.5	16.1	15.6	14.6	15.3	16.6	19.9	22.2	23.9	25.6	26.6	25.6	25.1	24.2	22.9	21.3	20.2	20.6	16.9	15.4	
9 **	10.6	9.6	13.3	13.2	17.3	17.3	13.8	12.6	13.9	16.1	20.1	24.2	27.3	25.8	26.6	26.6	26.3	23.9	21.6	19.8	18.9	19.9	20.2	16.9	
10	17.4	18.6	16.0	14.6	11.3	12.8	12.4	13.9	15.6	17.4	22.2	24.9	27.6	26.2	26.5	25.4	23.9	21.9	21.0	20.5	16.9	16.6	15.6	15.6	
11	17.3	19.5	15.7	16.4	15.3	13.9	13.9	13.6	13.6	14.7	19.2	22.6	24.6	24.3	25.1	24.2	23.6	21.6	19.9	19.1	19.4	19.6	19.2	19.0	
12	17.0	16.7	17.6	17.6	17.2	16.7	15.1	14.6	16.6	16.4	18.8	22.1	24.4	24.8	25.2	24.8	23.8	21.9	20.3	19.9	19.9	17.9	19.3	19.5	
13 *	19.2	18.7	18.9	17.9	16.6	15.1	13.2	13.2	12.6	13.2	16.8	20.8	25.1	26.6	26.3	24.6	22.6	21.6	20.2	20.3	20.4	20.4	20.4	19.8	
14	19.2	19.6	19.6	17.3	17.6	18.6	16.2	14.4	15.3	17.9	20.8	23.2	23.8	25.9	27.8	26.6	24.6	23.2	21.2	20.4	20.6	20.3	20.2	19.9	
15 *	20.9	19.9	19.2	18.2	16.3	14.9	13.9	14.2	14.4	17.3	22.0	26.7	29.2	28.6	27.9	25.6	22.6	20.6	19.6	19.8	20.3	20.3	20.6	20.3	
16	19.6	19.6	19.1	18.6	17.3	15.6	14.1	13.9	14.9	17.6	21.6	26.1	27.9	27.9	27.3	25.8	24.1	22.6	22.0	21.9	22.9	22.0	22.2	21.5	
17	20.6	22.4	23.6	22.2	21.8	18.2	16.9	14.1	15.0	16.4	21.2	25.4	28.4	29.2	28.6	25.9	24.4	20.8	18.6	19.1	19.9	20.8	21.2	19.9	
18	18.7	19.6	19.2	17.4	17.6	15.9	15.2	14.8	16.4	17.9	20.6	24.6	27.3	27.9	26.9	25.1	22.7	20.8	20.4	20.6	20.7	20.6	20.6	20.2	
19 *	19.6	19.9	20.1	19.2	17.9	14.7	13.6	13.9	14.9	16.9	20.2	22.9	24.2	25.6	25.2	23.6	22.9	22.0	21.4	20.4	21.4	21.7	21.1	20.4	
20 *	20.1	19.9	19.3	18.6	17.4	16.1	15.1	15.4	16.1	16.6	18.6	20.9	22.6	24.6	25.9	24.6	22.9	21.7	21.4	21.4	21.6	20.2	20.6	20.6	
21	20.2	20.2	19.8	19.6	18.1	15.6	13.5	12.6	12.9	14.9	17.7	20.7	24.1	25.5	25.2	24.2	23.1	20.6	21.1	21.6	21.7	21.9	22.0	20.4	
22	20.2	19.3	19.6	21.1	17.6	13.6	13.2	13.6	13.3	15.6	18.6	22.7	24.4	25.9	28.6	25.9	24.4	23.1	22.9	21.6	20.9	20.6	20.4	19.6	
23	17.6	19.1	21.2	21.9	19.4	16.9	15.2	14.2	14.9	15.9	18.9	21.4	24.8	27.3	27.6	27.3	26.6	24.5	25.6	22.6	17.9	20.2	17.4	19.6	
24 **	9.2	11.7	16.6	17.2	17.1	24.4	16.8	13.0	15.6	18.3	20.3	23.1	25.7	27.4	25.9	24.1	22.5	21.6	20.0	19.2	18.2	18.5	18.8	19.2	
25	19.4	22.5	18.0	17.5	16.7	14.8	13.4	13.1	17.5	21.6	25.8	26.5	27.8	27.9	26.2	25.1	23.8	21.5	20.2	20.5	19.7	14.3	18.6	18.3	
26	14.2	12.4	11.7	12.1	10.5	12.3	12.5	11.5	11.5	13.1	17.7	21.2	23.5	24.5	25.8	24.3	22.5	20.8	19.6	20.0	19.0	19.5	19.8	20.1	
27	19.7	19.3	19.3	18.1	16.3	14.1	14.3	13.7	14.5	16.5	19.0	22.2	24.6	25.5	25.4	24.6	23.8	22.0	20.9	21.0	20.9	20.5	19.4	19.6	
28	19.3	17.5	17.5	15.8	14.9	13.1	13.5	14.5	15.1	18.0	22.1	26.1	29.2	28.3	27.5	26.2	24.5	22.6	21.9	20.5	20.4	20.2	19.2	19.5	
29 **	19.5	19.5	18.5	18.1	16.5	14.5	14.9	15.5	15.8	18.5	21.9	25.8	29.5	30.4	31.9	31.5	29.3	23.1	16.0	17.0	16.1	13.7	10.5	9.1	
30 **	9.8	3.3	6.3	7.5	11.1	10.9	11.9	10.5	11.9	15.5	18.5	21.7	24.1	25.8	26.3	26.5	23.1	23.5	22.5	17.7	19.5	19.9	19.5	16.4	
Mean	17.9	17.6	17.6	17.3	16.8	15.4	14.3	13.8	14.6	16.7	20.0	23.3	25.8	26.6	26.8	25.9	24.5	22.7	21.4	20.4	20.0	19.6	19.3	18.8	
Mean *	19.3	19.1	19.0	18.3	16.9	15.3	14.3	14.5	14.8	16.1	19.3	22.5	24.9	25.9	26.0	24.5	23.1	22.0	21.1	20.7	20.9	20.6	20.5	20.1	
Mean **	14.1	12.9	14.0	14.4	16.2	16.7	14.6	13.1	14.6	17.5	20.5	24.3	27.4	27.7	27.4	27.6	26.1	23.3	20.7	19.0	18.0	18.4	17.8	15.7	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July													9° + Tabular Quantities												
1	15.5	17.1	19.5	17.5	15.4	14.5	13.3	13.5	13.5	15.6	19.5	24.1	25.2	26.2	26.5	26.5	25.5	23.1	22.3	21.1	19.8	18.5	13.7	18.4
2	18.9	18.3	16.5	16.2	13.5	12.4	12.7	12.6	13.5	15.3	18.1	21.7	25.5	27.1	27.7	26.7	24.8	22.8	21.5	19.9	20.1	19.7	18.5	19.2
3	19.1	18.5	18.2	18.5	17.2	15.8	14.5	13.5	13.5	15.2	18.5	23.5	26.5	28.2	27.8	27.9	25.8	23.9	22.5	20.3	15.8	9.1	8.3	10.1
4 **	10.5	14.3	11.8	12.8	13.6	16.5	12.7	11.3	12.3	14.5	18.1	22.1	26.5	28.1	28.8	27.3	25.2	22.8	21.3	16.5	18.5	19.8	20.3	14.8
5	15.5	14.5	15.8	17.5	16.0	14.5	13.7	13.7	13.7	15.5	18.4	21.9	23.9	25.0	25.9	26.5	25.3	21.0	19.5	21.3	21.0	19.5	18.2	18.5
6	17.7	18.7	17.5	17.0	14.5	13.2	12.5	12.2	14.1	15.4	17.7	20.3	22.8	23.8	25.3	23.7	23.2	21.5	21.2	20.8	21.1	20.8	19.5	19.1
7	18.5	18.5	19.7	16.8	14.5	14.1	14.7	14.5	16.3	17.7	20.4	22.8	25.5	26.8	26.1	25.1	24.9	23.5	21.5	19.5	18.1	18.5	16.7	16.0
8	17.7	19.4	18.5	17.7	16.1	15.1	13.6	13.5	12.8	14.5	18.2	21.5	24.2	26.6	26.7	24.3	22.0	20.9	19.5	19.1	19.5	19.5	19.5	19.2
9	20.0	19.9	18.1	16.0	14.5	16.1	19.1	15.9	14.5	15.8	18.5	21.6	24.6	26.8	27.5	26.6	24.5	23.5	21.6	21.0	20.9	20.1	18.8	19.3
10	19.4	19.5	19.5	18.5	15.9	13.8	13.0	13.5	14.6	16.0	18.3	19.7	22.0	22.5	24.1	24.0	23.0	21.6	21.2	18.7	19.6	21.0	20.5	20.3
11 **	17.4	16.8	18.2	17.5	16.0	13.8	12.7	13.4	14.8	17.0	19.8	23.5	24.6	26.0	27.3	25.5	26.3	24.8	23.3	18.5	17.8	14.5	10.4	10.7
12 **	7.6	3.5	12.4	13.3	21.5	15.8	16.7	15.3	17.3	18.6	19.6	22.1	23.5	25.9	26.1	26.7	25.6	22.8	21.9	19.7	17.6	18.7	20.8	20.5
13	16.1	17.0	21.9	19.5	16.1	14.0	14.1	13.9	13.6	14.8	19.5	20.0	23.3	24.5	22.2	23.3	23.4	22.9	21.1	20.2	19.5	18.6	18.6	18.0
14	17.6	18.4	18.2	17.3	16.6	16.4	15.2	14.0	14.1	14.1	16.1	20.0	22.6	25.2	26.1	25.3	24.6	22.2	20.6	20.2	19.7	19.5	17.3	17.3
15	15.7	17.7	18.2	19.8	19.2	17.6	17.6	16.2	15.4	16.2	18.6	20.2	22.2	23.6	25.0	24.6	23.1	22.2	21.4	18.0	19.3	19.6	19.6	18.5
16	18.3	18.6	18.5	17.6	17.7	19.2	15.8	14.2	14.4	15.8	20.0	22.2	23.8	25.6	26.4	25.2	23.6	21.6	19.6	19.0	18.7	19.0	18.6	18.6
17 *	18.5	20.3	20.6	18.1	16.6	15.2	13.7	13.0	13.1	14.7	17.2	20.9	24.0	25.5	25.6	25.2	24.1	22.2	20.6	19.5	19.6	19.5	19.0	19.1
18 *	19.6	18.6	18.1	17.9	17.0	15.6	14.1	13.2	12.2	13.2	16.9	20.7	24.6	27.7	27.9	26.4	23.7	22.1	20.6	19.7	19.6	19.8	19.1	18.5
19 *	19.0	19.6	18.8	17.4	15.3	13.6	12.7	12.3	12.8	14.5	18.5	22.1	24.3	25.7	26.6	25.1	22.6	22.4	22.2	20.7	20.3	19.8	19.9	19.8
20	19.7	19.2	18.4	17.1	15.7	12.9	13.2	12.7	13.4	15.5	18.6	22.0	24.3	25.6	26.6	26.2	25.0	23.1	21.5	20.6	19.1	18.6	19.6	19.4
21	17.7	17.0	16.9	16.8	16.2	14.6	13.1	12.2	12.2	13.6	17.1	20.4	23.8	24.4	26.1	25.3	23.2	22.0	21.6	21.1	19.4	17.2	17.0	17.2
22	18.6	17.6	18.2	14.6	12.4	11.4	14.5	14.5	13.9	16.1	19.7	22.9	26.4	27.6	26.2	24.3	22.9	22.0	20.7	17.6	18.9	19.6	19.6	18.5
23 *	17.7	17.3	17.6	17.1	15.6	14.3	14.2	13.6	13.7	15.1	17.6	20.5	23.0	25.0	25.0	25.0	24.5	22.8	21.5	20.3	20.2	20.0	19.6	19.5
24 **	19.0	19.0	18.0	17.7	16.3	18.6	16.0	14.6	12.6	14.2	18.8	22.2	23.6	24.5	25.2	24.6	25.0	24.8	22.7	15.6	14.1	9.6	6.8	4.5
25 **	- 0.7	0.6	0.6	16.4	10.7	11.1	11.5	19.0	20.5	20.6	23.6	25.7	28.1	28.1	28.6	26.4	24.5	21.7	20.4	19.9	19.7	21.2	21.1	19.0
26 *	18.8	18.6	18.1	17.5	15.6	12.9	12.1	13.6	14.6	17.6	20.6	22.7	23.3	24.1	24.1	23.1	21.4	19.7	19.6	20.3	19.6	18.6	19.7	19.6
27	19.6	18.7	18.3	17.7	16.9	16.3	14.9	14.1	14.4	16.4	20.6	25.4	27.6	28.6	27.9	26.5	23.7	22.2	20.9	20.6	20.6	19.3	18.5	18.2
28	19.0	20.8	15.3	12.1	12.1	10.9	10.5	11.4	13.1	15.3	18.1	22.1	25.3	26.6	26.6	25.3	24.5	24.0	21.8	20.5	19.6	19.1	17.2	18.6
29	19.2	16.1	15.6	15.1	15.7	13.6	13.1	12.9	13.1	14.6	18.3	21.5	24.5	27.4	28.0	27.1	25.0	22.7	21.8	18.9	14.2	16.3	17.6	16.8
30	15.7	17.4	17.3	18.4	15.6	13.9	13.4	12.3	12.7	14.1	18.6	22.1	22.7	26.4	28.6	26.1	24.4	21.7	20.0	20.1	17.4	18.1	18.6	18.7
31	18.3	18.1	18.0	20.6	14.6	13.1	13.1	12.9	13.3	16.2	19.6	23.1	26.1	28.6	28.6	27.6	25.2	23.5	20.5	21.1	21.3	19.6	16.8	18.7
Mean	16.9	17.1	17.2	17.0	15.6	14.5	13.9	13.7	14.0	15.6	18.8	22.0	24.5	26.1	26.5	25.6	24.2	22.5	21.2	19.7	19.1	18.5	17.7	17.6
Mean *	18.7	18.9	18.6	17.6	16.0	14.3	13.4	13.1	13.3	15.0	18.2	21.4	23.8	25.6	25.8	25.0	23.3	21.8	20.9	20.1	19.9	19.5	19.5	19.3
Mean **	10.8	10.8	12.2	15.5	15.6	15.2	13.9	14.7	15.5	17.0	20.0	23.1	25.3	26.5	27.2	26.1	25.3	23.4	21.9	18.0	17.5	16.8	15.9	13.9
August													9° + Tabular Quantities												
1	19.2	17.8	19.3	19.7	17.2	15.6	14.4	14.6	15.8	16.9	18.2	21.9	16.8	27.2	29.2	27.3	26.2	23.6	21.4	15.9	15.9	17.8	18.2	16.4
2	15.9	15.8	18.3	17.7	14.0	13.2	11.6	14.2	13.2	16.6	19.6	23.2	27.8	28.3	27.1	25.2	24.9	22.9	21.6	13.9	14.8	17.8	15.9	14.5
3	16.0	18.7	21.9	17.1	13.6	14.7	14.6	14.3	14.5	16.6	19.6	22.0	24.8	27.3	26.0	26.4	24.2	20.5	21.3	19.6	19.3	19.3	16.5	16.6
4	16.3	17.2	18.8	17.6	15.9	14.1	14.4	14.5	14.7	16.4	18.3	21.6	23.6	25.4	26.3	23.8	22.6	21.6	20.0	19.3	19.6	18.9	19.2	18.9
5	18.8	18.6	17.9	17.9	17.9	16.8	15.9	15.9	15.6	16.6	19.4	22.6	25.3	26.3	24.8	24.3	23.1	22.5	21.2	17.2	19.6	19.3	19.2	18.3
6	15.5	13.2	16.2	16.0	15.0	13.8	13.6	13.6	13.6	15.1	17.5	21.2	25.2	26.6	26.6	26.0	24.9	21.6	20.8	20.8	20.6	20.2	17.4	16.1
7 **	16.7	16.0	17.9	15.7	15.1	14.1	14.3	13.1	12.3	12.9	15.3	19.5	25.0	26.8	28.0	27.7	28.3	25.3	21.3	21.0	15.8	14.5	12.8	8.8
8 **	4.1	- 3.7	11.8	15.5	23.1	25.3	25.5	20.1	21.8	19.8	20.6	22.7	22.9	21.8	19.9	18.9	19.1	19.0	17.5	17.9	19.1	17.9	14.1	16.5
9	15.6	18.9	16.1	14.7	17.1	20.1	18.9	17.5	15.5	18.5	19.5	21.3	21.9	23.5	22.0	21.5	22.6	15.9	16.5	18.7	14.9	12.7	12.8	11.0
10 **	15.6	16.1	15.0	14.9	17.7	17.3	17.6	16.1	16.2	16.6	20.2	23.6	26.6	28.2	28.9	23.6	21.6	20.6	17.9	6.9	12.6	17.9	17.6	15.9
11	16.0	16.8	21.6	19.4	18.9	13.4	13.9	13.4	13.0	16.2	19.1	21.6	24.7	26.4	24.2	22.3	18.6	18.6	18.9	18.7	19.8	18.6	18.8	12.6
12	16.9	15.4	18.9	24.2	14.9	14.1	12.8	13.1	16.2	18.2	20.8	22.1	23.0	24.6	25.2	23.6	16.2	18.2	18.9	16.7	14.6	17.2	20.1	18.9
13	20.0	18.9	18.3	18.3	20.6	19.6	16.3	14.2	14.2	16.1	19.0	20.3	22.7	23.6	24.6	22.8	21.8	19.1	18.8	18.1	16.8	16.6	19.2	18.6
14	19.6	20.0	17.6	21.1	20.6	16.6	15.6	14.7	13.5	15.3	18.4	20.6	24.0	24.9	24.4	25.9	26.6	24.6	22.8	21.4	20.3	18.8	16.2	17.1
15	17.5	16.9	14.6	16.6	17.2	16.6	14.6	15.9	15.3	17.6	20.8	23.0	25.3	25.6	25.2	22.8	21.8	21.6	20.5	18.9	18.3	18.6	18.4	18.3
16 *	18.6	18.0	17.2	16.6	16.8	15.3	13.6	13.3	14.2	16.9	19.6	21.6	23.3	24.0	24.2	22.5	20.5	19.0	18.4	18.5	18.1	17.9	18.1	18.6
17 *	18.1	18.0	18.0	18.2	17.1	16.5	15.6	14.6	14.4	15.9	19.2	22.6	26.0	27.0	25.1	22.6	20.6	19.2	19.4	19.0	18.3	18.6	17.7	17.4
18	17.1	16.2	15.9	16.2	15.7	14.1	14.1	14.2	14.0	16.2	19.3	21.6	23.7	25.7	26.0	24.6	25.0	25.1	20.6	19.9	18.3	11.6	13.2	10.6
19 **	7.5	6.0	6.8	11.1	7.6	9.0	13.6	16.1	13.7	19.6	15.2	19.9	25.9	31.6	40.7	39.6	37.2	25.6	22.7	+15.0	- 0.2	- 0.4	- 3.9	+ 1.3
20 **	- 3.4	+ 3.8	1.3	21.3	28.6	27.1	26.6	19.6	19.9	30.3	28.1	27.6	26.3	24.3	23.8	21.9	20.6	20.4	19.2	19.0	20.3	19.9	18.9	18.2
21	16.8	15.9	14.8	14.6	13.6	13.1	12.1	14.7	21.4	21.9	21.6	21.6	22.8	22.5	23.6	21.9	20.6	20.8	17.3	17.5	20.4	19.8	18.9	17.8
22	17.6	17.6	15.9	13.8	13.6	13.6	12.6	13.5	14.8	16.6	18.8	21.1	21.8	22.6	22.8	21.2	18.8	18.7	19.8	20.8	19.9	19.6	18.9	18.2
23	17.8	17.4	15.5	15.4	14.7	14.6	13.9	13.6	14.4	16.9	20.0	23.6	23.8	24.1	24.6	23.3	21.8	19.6	18.6	19.2	19.2	18.7	17.6	16.8
24 *	17.6	17.0	16.9	16.2	15.3	14.6	13.6	13.4	14.6	17.6	21.2	23.1	24.4	23.6	22.6	20.6	18.6	17.9	18.6	19.1	19.2	19.2	16.5	15.9
25 *	17.9	17.6	15.6	13.4	13.6	12.8	12.8	13.3	14.6	17.9	21.0	24.4	26.6	26.4	23.7	21.4	19.4	19.0	18.9	19.1	18.9	18.9	19.1	18.6
26 *	18.6	17.8	17.6	17.2	15.9	14.4	12.6	12.0	13.6	16.1	19.1	22.4	24.2	23.6	21.8	19.9	18.7	18.1	18.7	19.1	18.7	18.6	18.9	18.7
27	17.8	16.6	15.9	15.3	14.6	13.6	13.1	12.9	13.7	16.0	18.7	21.2	23.8	24.9	23.0	21.2	19.6	19.3	19.2	19.4	19.6	19.6	18.6	18.1
28	19.4	17.4	17.2	17.4	15.6	14.8	13.9	14.0	14.7	16.4	21.2	26.2	25.6	22.9	21.6	22.6	20.9	19.9	19.9	20.1	18.6	14.4	12.6	9.6
29	11.8	14.5	13.7	13.1	14.6	14.6	12.1	12.8	12.6	15.2	19.6	23.6	26.7	28.9	28.4	25.8	23.4	21.6	19.9	18.4	18.3	15.8	17.6	17.2
30	19.2	16.6	14.5	15.2	16.8	14.1	13.4	14.1	14.8	16.4	19.6	23.4	26.2	27.1	25.6	24.2	20.9	19.8	19.6	14.7	15.2	17.9	17.6	17.6
31	17.1	16.9	16.6	15.7	14.8	13.6	13.6	14.8	14.6	16.5	18.9	22.2	25.1	23.2	22.3	21.8	18.9	16.6	18.4	18.1	18.6	17.9	17.6	16.6
Mean	15.9	15.6	16.1	16.7	16.4	15.5	14.9	14.6	15.0	17.3	19.6	22.4	24.7	25.4	25.2	23.8	22.2	20.5	19.6	18.1	17.5	17.2	16.6	15.8
Mean *	18.2	17.7	17.1	16.3	15.7	14.7	13.6	13.3	14.3	16.9	20.0	22.8	24.9	24.9	23.5	21.4	19.6	18.6	18.8	19.0	18.6	18.6	18.1	17.8
Mean **	8.1	7.6	10.6	15.7	18.4	18.6	19.5	17.0	16.8	19.8	19.9	22.7	25.3	26.5	28.3	26.3	25.4	22.2	19.7	16.0	13.5	14.0	11.9	12.1

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
September	9° + Tabular Quantities																								
1 *	16.2	17.0	17.3	17.6	17.0	15.6	14.6	13.6	13.4	14.8	18.6	22.6	25.3	26.4	25.3	21.9	20.8	19.6	18.6	18.6	18.6	17.9	18.6	18.4	
2	17.2	17.6	17.3	16.6	15.9	16.4	15.0	14.3	14.6	16.1	19.6	22.6	24.8	25.1	23.6	21.4	19.9	19.6	19.9	16.4	16.2	18.6	17.7	16.4	
3 **	17.2	16.9	16.9	17.1	14.6	15.6	19.3	22.6	21.0	17.1	19.8	24.0	27.9	27.3	29.6	29.6	25.8	24.2	15.0	9.9	10.6	15.2	9.6	5.1	
4 **	6.7	13.6	13.9	17.8	17.2	16.6	17.6	17.6	18.9	22.8	21.4	23.6	24.4	24.3	23.9	20.6	22.6	19.8	15.1	16.6	17.7	17.0	9.5	3.2	
5 **	17.8	17.4	11.8	11.4	14.6	23.5	21.5	17.8	15.6	15.8	18.9	20.8	22.4	22.9	23.6	21.9	16.4	15.8	16.6	12.9	16.1	15.4	11.2	12.4	
6 **	16.3	12.6	18.7	13.6	11.0	14.6	23.7	23.9	23.5	22.8	21.1	23.1	21.9	22.5	18.8	16.7	18.6	17.6	17.6	15.5	17.7	16.3	18.2	13.6	
7	17.3	17.1	16.8	18.2	17.9	15.5	15.6	15.0	15.5	17.9	19.6	21.8	24.4	23.8	22.6	19.6	19.1	18.4	18.1	15.9	14.2	14.1	14.6	18.6	
8	18.7	17.0	17.6	19.7	21.7	23.1	19.2	20.7	20.2	23.2	20.8	23.9	25.5	23.5	23.1	15.5	18.5	18.7	12.3	16.9	19.0	15.1	8.5	10.3	
9	13.8	16.7	19.2	12.5	13.4	13.7	13.6	13.7	14.8	16.6	19.6	21.7	22.7	22.4	21.2	20.3	18.7	18.5	18.7	14.7	11.4	14.2	15.2	16.5	
10	22.0	28.4	15.9	12.7	13.7	14.3	13.9	13.7	14.0	15.4	18.3	22.9	26.0	25.7	25.5	17.0	18.4	20.0	12.6	12.7	12.2	15.0	17.7	17.3	
11	22.0	18.7	15.9	23.9	17.9	15.3	16.9	16.9	14.9	17.0	20.0	22.7	23.7	23.5	21.9	19.9	17.8	17.9	14.7	15.3	16.3	14.9	15.6	18.9	
12	21.3	17.7	14.9	14.9	14.9	14.9	14.7	15.9	17.0	18.9	21.7	24.2	26.7	24.7	23.7	20.7	18.7	18.5	18.7	18.5	18.5	17.7	17.9	17.7	
13	17.7	19.3	16.2	15.0	14.7	15.4	14.9	14.3	15.3	17.5	20.6	23.5	24.7	24.0	22.9	21.0	20.7	20.1	20.0	16.2	11.9	13.9	17.5	17.4	
14 *	17.4	17.0	15.5	14.7	14.9	15.0	14.4	13.7	14.4	16.9	20.7	23.3	25.0	24.0	22.0	19.7	18.0	17.8	18.0	17.7	17.7	17.7	17.7	16.7	
15 *	17.3	17.4	17.3	17.2	16.7	16.5	15.7	15.5	14.9	16.8	20.7	24.1	25.7	26.4	24.9	22.7	20.5	19.3	19.4	18.3	17.9	18.0	18.2	17.8	
16	17.5	16.0	14.9	14.9	15.3	15.0	14.1	13.7	13.2	14.9	19.7	24.0	26.2	24.5	25.9	27.0	21.9	19.9	15.3	17.7	12.3	14.7	15.4	15.7	
17	15.7	15.7	16.3	14.6	14.9	13.9	14.5	15.9	16.3	17.5	18.7	20.6	22.2	23.6	23.7	22.1	17.7	20.4	15.4	15.0	14.2	10.1	14.7	12.6	
18	15.1	15.0	15.9	17.5	14.7	15.5	16.7	16.8	18.0	16.8	19.4	19.7	22.4	24.7	23.2	22.0	21.7	20.8	18.5	18.3	17.9	13.5	12.9	13.5	
19	13.3	15.1	15.2	15.7	15.4	15.7	15.4	15.0	15.1	17.7	20.9	24.5	27.4	26.9	24.9	22.0	20.4	19.4	18.7	16.1	14.3	11.7	4.5	9.1	
20	9.1	14.1	15.9	15.7	21.5	21.4	16.5	16.0	14.4	16.1	19.7	20.7	22.7	24.7	23.7	21.2	16.7	13.3	18.1	13.0	10.6	15.7	17.7	17.6	
21	18.5	20.1	16.1	19.5	17.6	16.6	15.8	15.7	14.7	15.2	18.0	19.9	21.0	20.9	20.7	19.6	17.9	16.7	16.7	16.0	17.8	17.6	17.7	17.7	
22 *	17.9	17.7	16.9	16.2	16.4	16.5	16.3	15.6	15.2	16.7	19.3	21.7	23.5	22.9	22.5	20.6	19.7	19.7	19.3	18.0	18.3	18.3	18.2	18.1	
23	18.0	17.7	17.5	17.2	16.7	17.4	18.0	18.7	17.7	17.5	20.6	21.7	24.1	22.5	21.7	22.7	22.7	20.7	20.5	20.1	10.7	9.9	6.9	13.7	
24 **	12.7	17.5	14.0	12.7	13.9	14.7	15.3	15.0	14.4	15.5	17.3	19.7	25.7	26.5	27.2	27.1	25.2	16.1	20.6	20.7	10.6	10.1	9.5	11.2	
25	15.8	12.0	13.6	14.5	16.1	16.5	15.7	14.7	17.7	18.1	20.2	21.3	22.9	25.9	25.5	24.4	15.0	18.5	14.7	16.6	14.7	13.2	18.2	13.0	
26	17.7	17.3	16.7	17.0	17.2	18.0	16.9	15.0	13.6	14.6	17.5	20.9	24.5	25.0	24.9	23.5	21.5	19.8	18.7	9.9	8.3	15.3	16.5	14.7	
27	16.3	16.7	17.5	18.7	16.7	16.5	15.5	15.5	15.5	15.1	16.8	18.6	21.9	23.1	23.8	22.1	20.7	19.2	14.7	14.1	15.7	16.9	17.1	17.2	
28	17.3	17.8	17.7	17.4	17.1	16.7	16.0	15.0	14.8	14.7	17.8	20.9	22.4	22.8	22.7	21.7	19.3	18.3	18.3	17.2	15.5	15.7	14.7	15.9	
29 *	17.0	17.5	18.0	17.7	17.5	16.8	16.0	14.4	13.3	14.1	16.6	19.7	22.3	23.7	23.0	21.7	20.7	19.7	18.9	18.5	18.2	17.5	17.0	17.2	
30	17.2	17.4	16.7	16.5	16.7	16.7	15.9	13.7	12.3	13.9	18.9	22.7	25.5	25.2	24.3	22.5	20.7	20.0	17.3	8.2	8.1	16.1	17.6	17.5	
Mean	16.6	17.1	16.3	16.3	16.1	16.5	16.3	16.0	15.8	16.9	19.4	22.0	24.2	24.3	23.7	21.6	19.9	18.9	17.4	15.9	14.8	15.2	14.9	14.8	
Mean *	17.2	17.3	17.0	16.7	16.5	16.1	15.4	14.6	14.2	15.9	19.2	22.3	24.4	24.7	23.5	21.3	19.9	19.2	18.8	18.2	18.1	17.9	17.9	17.6	
Mean **	14.1	15.6	15.1	14.5	14.3	17.0	19.5	19.4	18.7	18.8	19.7	22.2	24.5	24.7	24.6	23.2	21.7	18.7	17.0	15.1	14.5	14.8	11.6	9.1	
October	9° + Tabular Quantities																								
1 **	15.7	10.2	11.7	11.7	15.5	18.6	19.1	22.7	17.3	17.1	18.6	22.7	23.8	30.2	26.5	25.7	19.7	12.0	7.3	14.4	14.2	9.7	13.7	13.2	
2 **	15.1	15.6	17.4	22.7	16.7	15.8	15.7	15.7	16.3	23.0	21.7	25.3	24.5	23.7	24.5	13.9	11.9	13.0	7.7	11.3	5.5	6.5	8.5	14.3	
3	11.8	14.9	15.6	17.2	20.8	25.8	20.6	18.6	15.6	15.8	17.2	19.6	21.3	22.3	21.6	19.4	17.6	11.8	10.8	14.0	10.9	14.3	16.6	15.8	
4	21.7	14.1	14.9	16.4	18.4	21.6	23.7	20.6	18.4	17.4	15.2	18.0	19.8	19.6	20.5	15.6	12.0	15.4	9.2	12.6	13.2	15.9	16.6	16.6	
5	16.0	13.6	11.0	12.2	15.6	18.6	20.1	22.0	19.6	19.1	19.1	21.2	22.5	20.6	20.7	20.0	13.4	18.8	13.5	13.3	12.6	12.6	13.9	17.2	
6	14.9	12.8	14.6	15.6	16.4	17.6	20.1	23.4	19.4	16.9	16.6	17.6	19.6	20.6	21.0	19.6	17.6	12.4	15.1	15.3	15.3	15.8	15.8	15.6	
7	14.6	16.1	19.6	14.0	15.6	17.4	20.8	19.8	18.6	17.6	18.4	20.1	21.8	23.0	24.8	22.1	17.6	17.6	16.4	11.6	6.6	10.6	16.1	16.8	
8	15.6	10.6	15.4	16.6	16.6	17.6	16.3	14.6	14.6	14.6	18.2	21.6	23.0	23.6	22.4	18.6	17.9	16.8	17.6	17.6	17.6	17.4	17.5	17.5	
9	17.5	15.7	16.7	16.7	15.6	15.7	15.6	13.9	13.4	14.9	19.0	19.9	22.7	22.8	22.4	21.0	19.9	18.4	17.7	17.5	16.4	15.7	15.7	16.4	
10 *	16.7	15.7	16.9	16.0	16.7	16.7	15.7	14.2	13.0	13.4	15.7	19.7	21.3	22.8	23.1	21.7	20.1	19.7	19.2	18.6	18.2	16.7	16.5	16.5	
11	15.7	15.7	16.3	16.3	16.3	16.7	16.2	15.3	13.7	13.7	16.3	19.8	22.0	22.9	23.0	21.1	20.4	20.4	20.1	20.1	19.1	18.2	17.7	17.4	
12	16.8	15.1	16.8	17.3	16.9	16.8	17.3	15.0	13.7	13.8	16.8	19.7	21.9	22.8	22.8	21.4	20.6	20.3	14.0	12.9	13.0	11.8	13.1	16.8	
13	18.4	17.8	18.7	19.7	16.9	16.4	16.2	15.0	15.3	14.3	16.0	20.0	23.0	22.8	22.4	20.0	20.0	20.0	19.6	16.8	14.3	15.1	14.8	15.8	
14 **	15.2	21.6	16.8	11.0	13.8	16.7	15.8	15.0	13.9	13.8	18.6	25.7	26.6	27.8	23.8	26.2	24.0	19.8	22.0	18.1	15.1	14.7	11.4	10.0	
15	17.5	6.7	13.7	11.8	14.6	15.1	15.0	14.8	14.8	14.9	17.8	20.8	21.5	21.1	20.3	18.8	14.8	17.5	17.7	16.9	13.8	12.0	15.6	16.4	
16	20.1	15.0	14.5	15.8	14.8	16.0	17.8	18.5	16.6	15.4	19.2	23.4	26.1	26.5	23.5	22.9	23.6	17.7	9.8	15.0	12.3	13.8	16.3	18.8	
17	15.3	14.0	16.6	16.8	17.0	16.8	16.5	15.8	17.8	16.7	18.3	21.6	23.8	25.6	24.0	16.8	18.8	17.3	11.1	13.8	12.1	13.5	15.8	15.3	
18	16.9	18.8	18.2	18.7	18.1	18.2	17.6	16.0	18.7	19.3	18.6	20.5	21.1	21.4	21.3	20.2	17.3	18.8	17.2	16.9	15.1	15.3	16.1	16.4	
19 *	16.7	16.8	17.8	17.6	16.8	16.4	16.2	15.2	14.2	14.9	17.4	20.1	21.5	21.0	19.9	18.7	18.0	17.8	17.6	16.5	16.6	17.0	17.0	17.7	
20	16.8	16.9	16.8	16.8	16.8	16.8	17.1	16.8	15.8	16.0	17.0	19.9	21.9	21.7	21.3	19.8	19.6	19.8	16.4	16.8	17.4	17.6	16.3	16.8	
21 *	17.8	17.8	17.8	17.8	17.6	17.6	16.9	15.8	14.8	15.0	17.8	20.7	21.4	21.2	21.1	20.4	19.4	18.8	18.5	18.3	17.4	16.4	17.1	17.4	
22	17.7	17.3	17.3	16.8	17.2	17.3	16.8	15.8	14.8	14.8	16.5	20.0	23.1	23.8	23.4	24.6	21.0	18.6	20.1	18.8	18.8	13.5	13.4	13.8	
23	10.5	10.0	14.0	13.8	15.8	14.9	16.0	15.8	15.8	15.3	17.8	19.8	21.3	21.9	21.1	20.5	19.3	19.8	18.8	17.5	16.6	15.5	14.1	14.7	
24	16.1	15.2	15.0	17.2	17.3	16.8	16.8	16.1	15.8	15.6	16.4	20.8	22.3	22.1	20.8	19.6	18.8	19.4	18.0	18.6	17.2	15.6	15.6	15.8	
25 *	17.0	16.7	16.6	17.6	17.6	17.0	16.8	15.5	14.8	15.6	18.0	20.4	21.0	20.2	19.0	18.2	17.9	18.5	18.0	17.0	16.7	16.9	15.6	14.0	
26	16.1	17.0	16.4	16.0	15.9	16.4	16.0	15.4	16.0	17.0	18.9	21.8	21.8	19.9	18.8	18.1	17.8	17.8	16.5	13.6	14.6	15.4	16.6	17.4	
27 *	17.4	16.8	17.1	17.6	17.0	16.8	16.6	15.8	15.5	16.0	18.0	21.1	22.0	21.6	20.1	19.4	19.6	19.5	19.5	18.8	17.8	16.8	15.8	16.3	
28 **	16.8	16.5	15.1	11.1	15.0	14.8	15.0	15.1	15.1	22.0	24.0	25.3	28.8	27.8	24.4	27.9	25.8	21.8	12.8	+ 3.8	- 3.9	+ 5.8	3.3	9.8	
29 **	9.8	18.9	21.4	21.6	17.6	17.0	17.0	17.8	17.8	17.2	18.6	19.8	19.6	22.0	16.5	14.1	16.6	13.1	17.8	15.1	11.0	11.8	0.2	5.8	
30	15.7	13.0	11.3	21.7	19.9	20.7	21.0	16.7	16.7	16.7	16.8	18.0	19.2	19.3	19.7	15.7	14.7	3.2	1.7	6.1	- 1.3	8.5	15.2	15.0	
31	15.3	18.4	18.1	13.6	16.3	19.0	20.6	18.3	19.9	18.6	20.5	19.6	24.2	20.4	17.4	17.9	7.4	11.9	11.4	10.4	10.6	14.7	14.4	14.1	
Mean	16.1	15.3	16.1	16.3	16.7	17.4	17.5	16.8	16.1	16.3	18.0	20.8	22.4	22.7	21.7	20.0	18.2	17.0	15.2	15.1	13.4	14.0	14.4	15.3	
Mean *	17.1	16.8	17.2	17.3	17.1	16.9	16.4	15.3	14.5	15.0	17.4	20.4	21.4	21.4	20.6	19.7	19.0	18.9	18.6	17.8	17.3	16.8	16.4	16.4	
Mean **	14.5	16.6	16.5	15.6	15.7	16.6	16.5	17.3	16.1	18.6	20.3	23.8	24.7	26.3	23.1	21.6	19.6	15.9	13.1	12.5	8.4	9.7	7.4	10.6	

* International Quiet Day. ** International Disturbed Day.

TABLE I. - HOURLY MEANS OF MAGNETIC DECLINATION

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
November	9° + Tabular Quantities																								
1 **	17.2	17.9	21.1	21.3	18.5	16.4	17.8	16.8	17.3	17.0	19.4	19.0	22.2	22.4	19.1	11.5	14.6	19.0	12.6	12.2	16.0	16.0	16.6	18.1
2	16.7	14.6	18.6	17.2	17.2	16.6	16.9	17.1	16.8	17.6	17.5	19.0	20.9	19.9	20.6	11.6	17.9	18.0	17.6	16.6	15.8	14.9	14.7	15.0
3	15.2	16.2	17.1	20.1	17.3	16.6	16.9	16.4	16.4	15.8	17.4	18.6	20.2	19.9	19.6	18.4	17.8	17.6	18.0	16.6	15.2	15.0	14.9	13.8
4 **	15.5	14.6	14.6	15.9	18.6	23.9	21.6	25.3	20.1	22.8	21.3	22.6	23.3	24.4	25.6	27.4	22.2	12.8	15.6	15.9	15.6	15.4	14.5	11.6
5	15.6	15.8	14.6	14.6	15.6	15.4	15.3	14.4	13.9	14.9	17.6	18.6	19.6	19.6	19.6	18.6	18.1	17.4	16.6	16.6	15.1	9.8	11.5	12.6
6 *	15.4	16.2	16.9	17.4	16.8	16.6	16.2	15.6	14.6	13.9	16.2	19.6	19.6	19.8	18.9	18.9	18.3	17.8	17.4	17.2	16.8	16.6	16.4	16.6
7 *	16.4	16.2	16.4	15.9	16.2	15.8	16.3	16.1	15.6	15.2	16.5	18.5	19.7	19.4	18.6	17.8	17.7	17.7	17.9	17.3	16.9	16.8	15.8	15.6
8	16.1	15.1	15.6	11.6	14.2	15.3	15.6	15.9	15.5	15.7	18.0	20.2	21.7	21.2	20.6	20.0	19.6	20.3	19.6	18.2	17.2	16.5	16.2	16.1
9	16.2	16.4	16.6	17.8	14.7	15.0	15.6	15.9	15.5	15.7	17.2	18.6	19.9	19.9	19.6	19.2	18.8	19.6	20.5	19.3	17.8	16.6	15.8	15.6
10	13.9	13.6	11.8	11.6	15.6	15.4	15.6	14.6	17.9	23.5	21.2	23.6	25.4	29.6	27.0	22.4	20.2	15.8	7.7	11.6	13.6	11.9	11.1	11.2
11	15.3	13.0	15.1	16.1	17.5	15.6	16.0	16.8	16.3	17.4	18.6	21.2	22.0	23.4	23.9	21.5	17.6	17.3	16.9	14.6	14.0	12.3	11.2	13.1
12	15.9	17.6	19.1	17.0	18.0	18.3	16.3	16.0	17.2	18.4	17.5	20.2	19.9	20.6	23.4	16.4	18.6	18.4	17.3	15.6	12.1	12.6	9.4	11.6
13	10.6	13.8	16.3	17.9	16.6	16.6	18.8	17.3	16.1	14.6	15.6	18.4	19.4	22.6	22.6	18.1	16.9	17.8	12.0	11.6	8.6	9.4	13.6	15.7
14	13.6	14.8	15.3	15.3	16.5	16.7	16.4	16.0	15.5	15.8	17.3	19.4	20.6	21.6	19.2	17.3	18.1	18.7	18.0	17.0	12.4	14.9	15.2	15.7
15 *	16.6	16.6	16.7	17.2	17.3	16.9	16.9	16.6	16.5	16.6	17.8	18.6	19.8	20.2	19.0	18.6	18.3	18.2	18.2	17.0	17.3	16.8	16.6	15.5
16	15.6	15.6	16.1	16.6	16.6	16.4	16.3	16.4	16.3	16.4	17.0	18.4	19.2	19.6	18.9	18.9	18.6	18.6	18.9	18.8	17.4	16.8	15.1	13.9
17	13.2	15.8	17.1	16.9	17.3	15.9	15.4	15.9	16.6	16.3	17.9	20.1	19.6	22.1	21.1	22.1	19.9	20.6	18.7	15.9	12.8	10.0	11.5	15.4
18	16.6	16.4	16.5	16.6	16.7	16.6	16.6	16.6	17.1	17.2	18.6	20.6	19.6	19.6	20.6	19.7	19.3	19.2	17.5	6.6	13.1	15.3	15.0	16.4
19 *	15.8	17.2	15.9	15.1	15.4	16.2	15.6	15.7	16.1	16.3	17.1	17.9	17.9	17.9	17.7	17.6	16.9	16.6	16.4	16.4	16.4	16.5	16.6	16.8
20 *	16.8	16.2	16.1	16.6	16.4	16.6	16.4	15.9	16.3	16.6	17.5	18.4	19.1	19.1	18.6	18.6	18.3	17.4	16.0	16.8	16.2	16.0	15.4	15.6
21	15.9	16.6	16.6	16.6	16.6	16.1	16.1	16.1	16.6	16.9	18.2	19.1	19.6	19.2	18.5	18.2	17.5	17.6	17.6	17.0	15.6	14.1	16.9	12.6
22	15.5	16.2	16.6	16.6	16.1	15.4	15.6	15.6	15.8	16.1	18.1	19.6	20.6	21.6	22.0	23.3	23.7	26.5	22.2	19.9	17.0	15.1	3.3	4.3
23	13.2	16.7	15.8	16.0	16.2	16.0	16.2	16.2	16.6	16.5	17.6	18.8	19.3	19.4	18.9	18.5	17.6	17.5	17.6	16.1	15.7	14.9	14.9	15.3
24	16.4	16.6	16.2	16.6	16.6	16.4	16.4	15.9	16.2	16.2	17.4	19.0	19.6	19.6	18.8	18.6	18.8	19.9	17.1	12.6	13.2	12.7	13.2	15.0
25 **	10.0	9.0	15.1	15.4	18.0	19.8	20.8	18.4	15.7	14.9	17.1	18.7	21.7	20.1	20.4	13.3	8.2	16.1	17.4	16.7	15.7	13.6	13.8	14.4
26 **	14.5	15.7	20.1	15.7	15.2	15.7	16.1	16.5	17.7	17.7	20.3	21.0	24.5	23.2	14.7	20.0	15.0	2.7	12.9	12.0	12.9	6.7	10.7	14.9
27 **	19.5	17.9	13.6	19.9	16.9	18.9	20.7	21.2	18.7	18.1	18.7	16.7	19.5	20.9	12.2	16.7	13.6	11.7	16.8	7.3	12.4	14.7	12.9	15.9
28	18.7	17.3	15.5	17.7	17.9	19.7	17.9	17.5	18.6	17.0	19.7	20.7	19.7	21.3	18.6	17.2	15.7	11.3	12.6	9.4	7.7	4.9	8.3	13.7
29	19.1	17.8	15.4	17.8	18.0	17.3	16.9	16.7	17.0	16.6	17.7	19.5	20.9	20.6	19.5	17.9	17.3	15.8	12.5	14.7	13.9	12.7	13.8	13.7
30	15.9	17.7	16.7	16.7	17.0	16.5	16.9	17.5	17.3	16.9	17.1	17.7	18.6	18.7	18.7	18.4	17.9	15.4	14.5	14.5	10.7	13.7	14.3	15.4
Mean	15.6	15.8	16.3	16.6	16.7	16.8	16.9	16.8	16.6	16.8	18.0	19.4	20.5	20.9	19.9	18.6	17.8	17.1	16.5	15.1	14.5	13.8	13.6	14.4
Mean *	16.2	16.5	16.4	16.4	16.4	16.4	16.3	16.0	15.8	15.7	17.0	18.6	19.2	19.3	18.6	18.3	17.9	17.5	17.2	16.9	16.7	16.5	16.2	16.0
Mean **	15.3	15.0	16.9	17.6	17.4	18.9	19.4	19.6	17.9	18.1	19.4	19.6	22.2	22.2	18.4	17.8	14.7	12.5	15.1	12.8	14.5	13.3	13.7	15.0
December	9° + Tabular Quantities																								
1 *	15.9	16.7	16.9	17.3	17.0	18.6	17.7	17.7	17.8	17.6	17.9	19.3	19.9	18.7	18.3	18.5	17.5	16.5	16.7	16.7	15.9	15.9	15.9	16.0
2	16.0	16.7	17.3	17.9	16.0	16.7	16.9	16.7	15.7	15.5	16.0	18.9	19.8	19.9	19.2	19.4	15.7	19.0	18.0	16.7	16.4	15.4	15.4	15.7
3	15.7	16.4	17.0	18.0	18.0	17.5	16.8	16.5	16.5	16.5	16.9	18.7	19.7	19.7	18.9	17.7	17.7	17.7	16.7	16.7	16.0	10.6	15.7	16.4
4 *	16.0	16.1	15.9	16.0	15.4	15.7	16.4	16.5	16.7	16.8	17.3	18.9	20.0	19.7	19.3	20.0	18.5	19.4	20.2	18.7	16.3	15.5	15.2	13.7
5	12.9	14.2	15.6	16.7	16.7	16.7	16.6	16.7	17.4	17.7	17.9	18.7	19.5	19.1	18.9	18.7	18.1	20.3	20.2	19.6	17.6	15.7	16.6	16.2
6	15.8	16.5	17.0	17.0	17.0	16.7	16.8	19.5	22.6	18.7	19.7	21.6	20.6	19.6	18.9	17.3	17.2	17.5	16.7	15.3	15.3	14.9	14.7	15.1
7	14.7	16.9	19.1	15.9	16.4	16.0	16.0	16.2	16.6	16.5	17.4	17.9	19.7	19.5	18.7	18.7	18.5	18.9	15.9	16.7	15.0	15.5	14.9	15.7
8	16.6	16.7	16.7	17.4	17.4	16.6	16.9	16.7	16.9	17.2	18.5	18.7	20.4	21.8	20.7	19.2	19.2	14.4	15.8	16.7	15.5	14.6	13.9	14.7
9	13.7	16.8	17.0	16.9	19.5	16.9	16.6	16.4	16.1	16.5	18.0	19.8	20.8	20.6	19.1	18.4	18.1	17.1	16.5	16.3	14.7	15.7	15.6	15.7
10	16.2	16.3	15.8	17.4	16.2	15.7	15.7	15.9	16.3	16.2	17.3	19.7	20.4	19.2	19.2	18.0	17.7	17.7	17.5	16.1	13.7	13.0	14.7	15.7
11 *	16.3	17.3	16.7	16.9	16.3	16.3	16.5	16.6	17.0	17.7	18.4	19.3	20.0	19.7	18.7	18.7	17.9	16.9	16.7	15.7	15.7	15.7	15.7	16.0
12	16.0	16.5	16.9	17.5	17.4	17.6	17.4	17.3	17.0	16.7	17.6	18.7	19.5	20.4	19.4	18.7	18.7	19.7	20.3	12.0	5.7	0.3	1.7	2.9
13 **	11.0	3.1	11.5	14.3	15.7	12.8	15.6	14.8	14.7	16.0	17.4	17.9	20.2	19.6	19.6	21.0	20.3	18.7	5.7	8.2	6.7	0.3	5.1	9.3
14 **	7.4	7.6	4.4	13.5	13.6	15.1	16.3	16.4	16.4	17.1	17.7	17.8	18.5	17.7	16.7	17.8	16.9	19.1	17.3	5.3	12.7	11.5	5.5	11.7
15	14.4	14.0	14.0	14.1	14.7	15.5	15.6	15.7	15.9	15.5	16.3	18.4	19.7	18.7	17.7	17.5	16.7	17.7	15.3	11.7	15.2	13.9	14.3	15.5
16	12.9	15.4	14.7	16.7	17.7	17.7	16.7	16.9	17.7	17.3	18.3	18.1	18.7	18.7	18.2	17.5	17.3	17.4	17.6	16.7	15.7	14.5	14.7	15.5
17	16.4	16.1	16.2	15.9	16.0	16.2	15.6	15.9	16.6	17.5	17.3	17.5	18.4	18.1	18.0	18.0	17.7	17.5	17.7	16.3	15.9	15.7	15.1	15.0
18	12.5	14.3	15.5	15.9	15.9	15.9	16.1	15.7	16.3	16.7	16.9	17.7	19.2	18.5	18.2	17.8	17.7	19.7	16.1	9.1	16.1	15.7	15.3	14.7
19	11.8	14.6	14.7	15.2	15.5	14.6	16.7	15.8	16.7	17.1	17.7	17.7	18.4	18.8	18.7	18.4	17.4	17.4	11.6	16.8	15.7	14.9	14.9	15.4
20	15.9	15.7	15.6	15.5	15.7	15.1	15.6	15.7	16.3	16.5	17.3	17.9	18.7	19.0	18.7	18.7	17.7	18.0	17.5	12.1	14.7	15.7	9.7	10.5
21 *	13.5	15.7	15.9	16.3	16.3	16.2	16.3	16.3	16.4	16.4	16.8	17.6	17.8	19.1	18.7	18.4	17.6	17.5	17.5	16.5	15.6	15.7	15.3	15.8
22 **	16.1	15.7	15.7	16.1	16.3	15.5	16.6	16.3	16.5	16.4	17.7	18.5	19.3	22.7	24.5	22.1	19.7	24.6	18.8	4.2	11.4	9.4	10.3	12.6
23 **	8.9	14.3	12.9	14.7	17.3	18.7	24.2	24.1	21.0	18.7	18.1	16.8	17.6	16.7	16.9	17.4	15.7	16.6	16.4	15.1	14.7	9.6	11.9	15.7
24 **	16.2	15.7	13.3	16.4	18.3	18.5	18.1	19.7	20.1	18.0	17.7	18.1	16.7	16.4	17.5	+15.6	− 2.7	+15.7	13.2	14.5	12.7	14.3	11.8	12.7
25	12.9	14.0	17.5	19.2	16.8	16.4	17.5	17.8	18.7	21.2	19.3	18.5	18.1	16.7	16.2	11.8	15.3	16.7	9.7	5.5	9.7	11.2	13.5	14.0
26	14.7	18.9	13.7	15.2	16.7	17.9	19.0	20.2	23.5	23.9	23.2	19.6	18.8	15.2	15.5	14.7	14.8	13.2	11.9	11.4	13.2	14.7	15.6	15.7
27	14.7	12.7	13.8	13.7	16.3	17.7	17.6	17.2	18.7	18.7	18.7	18.5	19.0	17.8	17.4	16.5	16.7	15.2	14.9	13.7	11.4	12.1	9.9	14.7
28	15.0	15.5	16.7	15.4	15.7	16.5	16.8	17.9	20.1	19.7	18.8	18.2	17.7	16.3	15.7	16.7	16.7	15.7	15.7	16.1	14.9	15.6	15.6	15.9
29	15.7	15.4	16.3	15.7	15.1	14.8	15.6	16.6	17.4	17.4	16.9	16.7	17.4	16.7	16.6	16.9	16.8	16.9	17.0	15.9	15.9	15.9	15.5	13.7
30	14.4	15.4	15.6	16.2	16.4	16.0	16.6	16.9	17.3	17.8	18.6	18.6	18.1	17.7	17.3	16.7	16.8	15.1	16.6	16.8	16.1	14.3	15.3	15.7
31 *	15.8	15.9	16.1	16.0	16.1	15.7	15.5	15.7	16.2	17.8	18.6	19.6	19.6	18.6	18.1	18.0	17.6	17.1	16.5	16.1	15.9	15.6	15.3	14.7
Mean	14.4	15.1	15.4	16.2	16.4	16.4	16.8	17.0	17.5	17.5	17.9	18.5	19.1	18.7	18.4	17.9	16.8	17.6	16.1	14.2	14.3	13.3	13.4	14.3
Mean *	15.5	16.3	16.3	16.5	16.2	16.5	16.5	16.6	16.8	17.3	17.8	18.9	19.5	19.2	18.6	18.7	17.8	17.5	17.5	16.7	15.9	15.7	15.5	15.2
Mean **	11.9	11.3	11.6	15.0	16.2	16.1	18.2	18.3	17.7	17.2	17.7	17.8	18.5	18.6	19.0	18.8	14.0	18.9	14.3	9.5	11.6	9.0	8.9	12.4

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
January	18000 γ + Tabular Quantities (in γ)																								
1	623	631	624	620	628	628	622	615	619	613	610	614	623	626	626	625	626	631	639	637	631	637	634	635	
2	630	622	626	625	614	623	626	626	614	606	604	611	619	625	629	631	633	634	634	634	633	631	630	633	
3	631	632	631	630	635	635	635	633	627	621	617	618	626	623	630	633	633	633	635	635	635	635	650	629	
4	629	625	625	627	629	633	636	633	624	615	609	613	617	622	630	635	633	632	632	622	629	619	616	619	
5 *	623	623	622	625	635	639	643	643	633	629	623	622	623	625	634	625	625	632	632	632	625	627	631	634	
6	631	629	633	641	643	643	639	639	637	635	630	629	629	626	623	621	613	609	611	623	627	628	624	625	
7	619	618	615	623	626	635	630	633	626	626	625	626	619	622	626	618	619	613	614	633	629	625	625	628	
8 *	624	623	622	625	629	629	629	627	625	619	619	623	632	640	640	637	635	638	639	638	635	634	632	633	
9	625	624	640	640	649	656	652	639	632	619	621	624	639	643	643	640	642	645	646	643	641	637	634	629	
10	629	639	633	637	644	646	643	641	634	629	627	629	637	638	637	639	640	643	637	634	634	633	629	655	
11	629	622	623	625	629	635	639	637	632	629	625	628	632	635	636	630	632	636	640	630	637	638	641	623	
12	629	633	631	628	630	634	638	638	631	624	619	624	629	633	639	637	636	631	628	629	634	628	629	624	
13	619	619	632	624	626	631	639	639	635	630	631	633	635	638	643	645	639	633	629	633	630	632	634	633	
14 **	630	629	629	628	636	652	644	645	633	634	644	631	635	626	620	615	609	622	613	613	630	631	628	632	
15	631	630	631	632	634	639	639	642	638	630	613	595	581	590	614	618	610	617	623	616	617	628	629	632	
16	630	628	629	629	634	634	639	622	634	624	612	609	613	614	619	622	618	619	623	622	618	630	643	637	
17 *	628	625	626	630	634	636	640	639	636	628	617	619	628	627	626	627	627	630	624	622	621	616	625	629	
18 *	633	634	639	652	638	644	642	640	635	625	620	616	617	620	626	629	632	636	636	636	635	636	632	637	
19	630	639	643	640	641	646	655	656	645	642	625	616	615	629	630	631	634	630	611	605	600	576	599	598	
20 **	600	613	616	616	627	631	626	623	608	603	593	581	577	590	582	592	577	578	613	616	615	619	623	626	
21 **	627	634	632	631	630	630	635	634	633	626	605	586	599	616	610	620	603	604	616	605	625	619	621	624	
22	641	631	621	620	630	631	628	630	626	609	601	595	607	615	620	623	617	624	631	632	629	623	623	627	
23	626	630	630	632	634	637	637	649	640	626	622	622	624	628	630	632	635	636	640	643	645	643	648	644	
24 **	634	635	631	634	636	636	638	640	634	626	614	613	614	620	625	624	581	568	566	563	526	537	559	597	
25 **	595	570	572	576	578	578	596	611	600	573	578	570	563	580	584	576	592	598	595	600	600	609	610	605	
26	601	600	600	599	608	620	623	622	620	615	604	600	605	613	609	606	620	614	612	624	625	625	623	610	
27	610	605	609	599	605	618	620	625	629	626	614	604	595	595	607	609	611	621	623	607	609	600	595	613	
28	614	609	622	615	611	609	615	616	618	616	607	605	613	624	615	607	609	612	612	615	613	618	614	616	
29 *	615	620	609	609	609	606	609	612	612	609	608	608	614	619	620	620	624	625	625	618	615	619	620	620	
30	621	631	616	616	617	627	616	619	623	614	618	615	612	613	616	623	619	609	620	619	607	613	619	619	
31	619	614	614	616	620	623	621	619	622	619	609	609	609	614	615	615	620	630	635	635	632	625	631	630	
Mean	624	623	623	624	627	631	632	632	628	621	615	613	616	620	623	623	621	622	624	623	622	622	624	626	
Mean *	625	625	624	628	629	631	633	632	628	622	617	618	623	626	629	628	629	632	631	629	626	626	628	631	
Mean **	617	616	616	617	621	625	628	631	622	612	607	596	598	606	604	605	592	594	601	599	599	603	608	617	
February	18000 γ + Tabular Quantities (in γ)																								
1	629	627	629	632	640	642	633	633	625	617	609	607	609	614	615	614	614	615	616	627	630	629	630	632	
2	629	628	630	632	639	639	642	631	605	611	612	604	589	585	595	604	595	598	608	611	611	612	613	615	
3	614	614	615	616	619	621	622	619	619	615	591	588	603	605	591	593	589	598	593	609	603	615	623	630	
4	628	628	628	628	633	635	634	629	625	622	618	612	612	612	606	588	618	612	598	603	634	626	610	618	
5	617	618	617	605	619	627	622	623	621	609	608	610	615	622	621	613	615	612	628	627	627	627	628	628	
6	627	628	631	634	634	643	648	642	632	621	611	616	617	623	637	634	623	623	624	634	633	636	637	637	
7	632	634	634	630	633	633	634	634	628	628	622	620	618	612	628	629	631	630	620	620	628	619	648	622	
8	618	618	621	623	626	622	629	632	627	614	606	604	607	619	621	612	612	606	612	611	605	613	619	635	
9	628	615	615	618	625	623	622	628	623	622	617	612	618	624	627	622	609	611	614	611	639	619	609	618	
10 *	620	622	622	621	625	631	632	628	628	624	621	616	615	618	624	626	627	629	634	634	635	634	636	633	
11	634	631	628	628	628	638	638	639	633	625	622	628	628	638	642	643	641	642	642	644	644	642	635	637	
12	638	622	628	631	635	637	635	637	633	624	619	619	622	628	629	630	636	639	638	630	630	634	639	640	
13 *	638	633	633	637	642	645	646	645	638	628	616	608	614	621	628	634	638	638	636	640	643	641	642	640	
14	636	633	630	644	643	645	648	638	639	629	621	616	618	628	632	633	634	638	639	638	647	644	644	644	
15	644	638	638	636	634	638	638	641	629	624	624	618	618	623	631	634	635	636	631	623	628	629	632	634	
16 *	631	633	633	634	637	638	638	638	634	624	617	612	620	628	635	638	634	634	638	640	638	640	648	643	
17 *	643	641	640	639	640	641	640	644	638	634	629	626	628	632	637	634	636	638	639	638	642	639	642	640	
18	637	640	638	640	642	644	642	643	643	639	633	629	632	643	647	643	638	640	634	647	653	651	647	654	
19	648	647	645	646	652	650	645	649	647	639	636	635	642	646	647	647	643	644	646	646	644	645	643	651	
20 **	651	653	663	662	660	660	658	654	646	639	631	624	625	632	649	657	654	666	590	546	473	503	468	456	
21 **	519	502	501	537	568	570	559	549	568	558	537	542	546	571	551	558	572	590	585	593	592	587	589	581	
22 **	591	582	595	578	585	592	601	590	584	582	584	575	574	582	593	581	592	581	587	580	592	601	578	591	
23 **	597	603	602	604	598	601	599	594	588	584	578	530	572	593	574	572	578	588	604	576	533	537	581	543	
24 **	572	593	598	615	576	582	571	598	594	588	578	562	569	573	582	585	588	592	598	598	620	608	582	589	
25	610	598	599	602	609	613	622	628	638	622	612	602	584	589	597	603	605	610	614	618	619	619	622	621	
26 *	618	616	618	619	621	623	622	622	616	609	602	595	591	596	606	613	614	614	619	620	623	623	623	623	
27	622	623	624	626	626	630	630	630	623	613	608	611	610	614	626	628	631	633	635	638	637	638	638	634	
28	628	628	629	631	631	634	638	638	615	603	603	597	593	601	598	602	612	621	621	624	624	628	625	630	
Mean	621	620	621	623	626	628	628	628	623	616	609	604	607	613	617	617	618	621	619	619	619	619	619	619	
Mean *	630	629	629	630	633	636	636	635	631	624	617	611	614	619	626	629	630	631	633	634	636	635	638	636	
Mean **	586	587	592	599	597	601	598	597	596	590	582	567	577	590	590	591	597	603	593	579	562	567	560	552	

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March	18000 γ + Tabular Quantities (in γ)																								
1	628	622	628	618	622	621	626	625	618	616	608	598	608	612	618	618	620	623	624	625	628	627	628	630	
2	631	630	624	627	630	631	637	630	614	617	609	604	609	618	623	608	614	614	623	624	628	628	630	631	
3	630	629	630	623	627	633	629	631	626	622	612	605	612	609	614	618	608	616	622	629	630	632	632	633	
4 *	632	627	627	628	633	632	630	632	632	623	618	615	616	614	612	622	622	620	624	628	625	632	633	638	
5	634	632	632	632	632	633	629	634	632	619	622	624	621	623	623	628	632	635	637	634	642	638	632	631	
6	630	652	641	642	638	630	624	624	618	608	608	614	618	624	625	624	618	618	610	618	634	636	629	618	
7	638	638	626	625	631	626	613	590	584	578	578	580	585	585	586	601	610	618	620	620	616	614	618	614	
8	631	618	614	616	618	619	618	618	614	611	605	604	606	609	617	620	625	628	630	631	630	631	631	638	
9	626	618	634	630	628	633	632	633	626	618	622	618	618	618	614	611	618	624	634	638	640	638	638	638	
10 *	638	630.	628	630	634	638	642	642	638	632	622	611	614	618	622	623	630	634	634	638	635	637	636	633	
11 *	630	632	629	632	634	637	638	638	634	632	632	629	626	627	629	632	632	636	638	643	638	628	628	633	
12 *	633	634	634	634	637	639	639	637	632	622	622	627	628	631	634	633	627	629	636	638	635	634	631	634	
13	634	634	633	634	636	640	644	646	642	636	628	626	625	631	637	635	638	631	632	628	639	640	638	640	
14	641	638	638	638	642	650	657	653	645	636	635	631	627	637	637	630	636	631	650	635	641	642	643	641	
15 **	638	634	625	655	631	621	630	634	615	612	612	608	611	612	612	608	609	611	614	618	624	631	630	630	
16	631	628	630	631	639	628	644	633	626	626	617	616	621	623	620	621	618	616	630	633	634	634	638	641	
17	638	634	637	633	634	636	635	634	618	608	608	614	612	618	623	624	628	630	633	633	633	638	635	638	
18 *	642	639	641	641	639	642	642	633	625	616	608	605	611	618	623	631	634	636	635	635	640	642	639	637	
19 **	633	635	632	634	634	642	677	668	590	538	495	472	491	534	528	538	506	552	546	568	570	573	566	576	
20	573	584	578	580	581	584	589	584	574	568	567	566	571	573	581	585	584	586	581	608	594	591	591	593	
21 **	593	594	597	598	620	618	602	604	594	573	556	557	554	574	597	605	585	578	588	595	597	598	592	594	
22 **	605	601	592	611	615	597	611	598	598	598	575	583	594	608	610	617	618	622	628	614	612	616	612	603	
23	610	603	604	608	616	619	622	623	613	598	591	593	590	597	608	611	616	618	621	623	626	626	630	627	
24	617	623	643	633	630	615	608	609	592	581	568	568	573	579	588	597	597	610	624	621	624	617	608	610	
25	607	613	614	611	616	633	624	611	602	592	588	592	594	601	611	614	618	617	628	631	628	621	620	621	
26	622	618	622	620	620	618	616	613	604	593	596	607	621	620	628	631	634	638	644	641	645	644	632	626	
27 **	642	634	682	623	633	620	632	630	620	600	586	608	598	608	616	608	616	633	614	608	623	618	618	620	
28	621	618	618	621	623	625	623	621	618	610	588	588	598	601	615	620	620	622	626	630	632	639	631	628	
29	628	628	631	631	621	628	634	634	632	624	611	600	612	620	618	623	624	635	636	638	638	641	641	638	
30	632	629	635	628	628	631	633	637	628	615	603	605	618	618	616	620	618	629	634	634	638	640	641	642	
31	639	638	636	637	643	644	645	636	633	630	623	610	617	637	635	626	630	626	622	632	619	628	612	631	
Mean	627	625	627	626	628	628	630	627	617	608	600	599	603	610	614	616	616	620	623	626	627	628	625	626	
Mean *	635	632	632	633	635	638	638	636	632	625	620	617	619	622	624	628	629	631	633	636	635	635	633	635	
Mean **	622	620	626	624	627	620	630	627	603	584	565	566	570	587	593	595	587	599	598	601	605	607	604	605	
April	18000 γ + Tabular Quantities (in γ)																								
1 **	634	615	612	623	604	634	635	618	598	596	593	601	614	595	623	622	618	608	622	618	637	615	612	638	
2 **	624	618	626	628	619	608	593	594	597	598	581	576	595	601	614	625	621	611	628	618	621	614	629	640	
3 **	620	623	606	611	615	618	611	614	596	593	582	574	600	620	616	620	618	621	617	611	622	640	614	618	
4	604	611	620	618	628	631	642	612	578	585	581	561	572	582	594	600	612	596	611	611	620	623	638	627	
5 **	623	629	648	627	624	631	622	617	587	574	569	568	576	583	611	604	612	603	644	605	616	583	588	568	
6	578	598	613	606	613	611	625	608	598	584	576	554	553	571	597	604	617	622	630	638	639	615	613	606	
7	616	626	619	629	618	612	607	609	604	590	582	573	567	582	593	612	628	628	629	629	638	632	629	630	
8	628	630	632	626	630	630	628	618	616	611	603	594	595	611	618	610	614	626	631	636	631	630	631	631	
9	629	628	624	626	628	634	636	638	635	617	604	598	600	612	607	604	608	623	631	635	636	640	640	639	
10	630	638	632	625	636	647	639	634	627	618	608	608	608	614	621	631	627	634	642	641	638	641	648	641	
11 *	632	632	633	635	634	633	634	628	621	608	598	594	596	604	612	623	625	635	641	641	648	649	647	650	
12	644	638	643	648	648	651	660	653	626	612	604	568	577	598	608	618	625	634	634	635	641	643	647	643	
13	640	633	634	633	634	635	634	628	614	607	601	596	605	614	624	627	628	633	641	644	643	641	641	644	
14 *	641	636	635	636	641	643	641	634	624	614	613	614	618	631	634	638	639	640	642	645	648	641	638	634	
15	640	638	641	644	638	644	626	614	613	615	626	617	610	599	626	636	636	647	644	644	640	639	634	633	
16	628	628	628	628	630	628	628	621	621	618	614	615	613	623	638	633	638	644	634	636	634	638	636	648	
17	642	633	638	634	635	632	628	622	612	608	612	615	631	640	648	644	653	643	640	634	623	624	631	624	
18	623	624	631	632	628	628	624	614	604	598	606	613	618	624	634	629	640	648	664	642	628	634	635	636	
19	628	644	644	644	658	650	616	620	606	602	586	588	601	611	623	631	633	640	619	614	644	628	622	614	
20	614	618	633	638	651	648	631	620	608	594	583	584	588	594	612	622	628	634	661	624	619	622	628	614	
21 *	623	628	622	623	626	631	632	626	613	598	587	578	585	586	597	613	628	636	639	638	635	633	634	631	
22	628	630	631	634	637	638	642	638	628	629	619	608	611	626	637	648	655	652	652	657	657	658	655	657	
23	657	664	665	664	669	672	647	649	644	630	620	617	604	621	609	628	641	642	653	653	652	648	664	650	
24	658	640	632	661	624	614	634	626	598	597	582	581	585	593	604	613	633	653	641	638	638	646	644	646	
25	638	634	634	636	638	621	615	614	608	608	611	611	608	611	619	623	634	638	641	642	641	641	642	640	
26 *	634	635	634	634	636	633	624	622	614	608	598	591	591	604	614	628	633	640	644	645	648	645	645	644	
27 *	644	644	644	643	642	641	641	637	630	621	611	613	623	632	635	635	644	644	645	648	661	654	643	642	
28	641	644	642	641	641	642	648	651	638	630	624	618	615	621	614	622	641	644	648	642	628	623	620	634	
29	653	634	641	625	626	631	628	623	616	616	598	604	603	608	613	623	636	628	638	648	634	642	633	634	
30 **	635	624	632	661	636	634	616	624	611	588	578	588	592	604	611	621	623	640	617	614	624	619	619	623	
Mean	631	631	632	634	633	634	630	624	613	606	598	594	598	607	617	623	630	633	637	634	636	633	633	633	
Mean *	635	635	634	634	636	636	634	629	620	610	601	598	603	611	618	627	634	639	642	643	648	644	641	640	
Mean **	627	622	625	630	620	625	615	613	598	590	581	581	595	601	615	618	618	617	626	613	624	614	612	617	

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
May	18000 γ + Tabular Quantities (in γ)																								
1	623	627	626	622	622	619	610	594	584	583	590	600	604	613	627	633	633	634	650	647	644	637	632	637	
2	633	633	631	631	637	634	630	617	603	600	605	613	625	637	637	660	672	652	650	622	616	619	609	610	
3 **	580	605	649	651	650	621	593	597	592	564	550	577	583	601	604	623	622	650	660	647	649	632	623	632	
4	623	623	627	630	633	624	613	603	597	587	581	587	613	627	631	647	640	643	671	647	633	633	631	614	
5	629	624	619	625	622	620	613	602	583	581	579	597	603	597	604	633	651	655	657	650	653	660	627	627	
6	623	624	623	623	630	631	630	616	606	600	597	593	592	597	621	622	644	653	654	647	643	633	625	617	
7	641	623	623	630	630	632	625	613	613	604	603	612	610	609	625	644	640	642	644	645	650	642	642	643	
8 *	637	634	640	633	634	632	631	618	616	612	612	604	604	607	621	633	642	650	655	653	647	647	651	643	
9 *	637	634	637	637	643	643	638	632	626	621	620	617	615	614	616	630	640	650	653	653	653	650	647	643	
10	637	633	640	636	640	640	642	634	627	624	620	606	600	612	622	627	637	649	652	659	661	660	654	653	
11	634	642	644	639	643	642	634	622	614	612	620	624	632	627	613	606	635	635	660	663	657	650	647	643	
12 *	642	642	643	649	643	642	640	637	637	640	637	627	627	630	635	642	643	643	644	650	659	660	660	653	
13	652	654	657	660	660	643	651	651	647	641	642	630	630	630	637	627	647	647	644	646	646	647	640	631	
14	630	630	634	633	632	625	631	633	633	633	629	631	617	631	648	642	637	643	643	647	637	643	650	660	
15 **	631	633	640	652	641	623	623	615	600	611	615	620	623	627	637	627	647	669	673	659	627	622	643	623	
16	632	630	630	637	633	630	622	602	607	613	621	617	623	617	626	634	644	642	647	644	652	643	640	653	
17	634	636	637	634	637	631	627	619	617	619	621	623	630	623	634	639	643	643	647	647	653	650	647	642	
18 *	632	637	638	637	643	642	633	626	622	617	615	615	613	613	623	638	642	645	650	653	652	650	647	647	
19 *	642	642	643	644	647	643	636	630	625	622	623	623	629	630	635	645	664	649	657	660	651	653	650	651	
20	650	650	650	651	654	652	646	637	637	630	623	621	633	623	625	633	647	665	677	673	667	673	657	642	
21	639	641	637	650	645	643	638	627	617	603	600	604	610	623	637	647	642	650	660	661	657	657	659	657	
22	660	655	654	658	661	657	653	653	642	628	622	604	613	582	632	647	673	671	673	682	673	688	684	673	
23 **	660	660	657	660	660	654	654	650	640	622	610	600	613	623	627	647	640	670	652	645	633	633	617	640	
24	650	623	621	620	626	623	614	616	610	603	604	600	597	599	607	625	642	651	651	651	651	653	640	637	
25	645	642	630	633	634	637	635	632	627	631	633	631	633	633	631	643	654	648	658	659	661	659	653	654	
26	640	641	637	636	641	649	644	634	620	603	610	620	621	619	630	612	614	633	653	661	652	637	639	634	
27 **	633	637	638	635	625	625	624	616	614	629	633	635	645	650	627	647	673	647	652	671	646	646	631	611	
28 **	637	621	610	587	571	536	541	543	540	536	565	579	576	606	623	634	627	646	649	652	654	629	617	622	
29	629	639	639	628	624	621	620	615	608	586	582	587	607	606	603	627	626	612	630	644	641	650	648	636	
30	630	642	639	627	628	622	608	607	600	599	607	617	627	623	639	620	624	645	657	651	643	637	640	642	
31	635	633	633	636	631	622	616	607	609	609	611	615	620	617	623	633	637	643	649	652	652	655	660	650	
Mean	635	635	636	636	636	631	626	619	613	608	609	611	615	618	626	634	643	648	654	653	649	647	642	639	
Mean *	638	638	640	640	642	640	636	629	625	622	621	617	618	619	626	638	646	647	652	654	652	652	651	647	
Mean **	628	631	639	637	629	612	607	604	597	592	595	602	608	621	624	636	642	656	657	655	642	632	626	626	
June	18000 γ + Tabular Quantities (in γ)																								
1	651	643	641	639	643	642	626	613	616	625	632	622	629	634	642	656	629	646	659	654	653	643	652	663	
2	662	641	642	643	649	633	616	600	591	586	591	599	609	616	623	636	648	642	634	651	652	652	659	639	
3	639	633	633	643	642	642	637	635	629	619	606	606	609	619	631	654	659	645	652	653	643	643	636	639	
4	642	643	642	652	651	639	629	619	612	610	609	609	612	632	639	632	633	642	649	652	652	647	645	649	
5	646	646	642	649	649	639	632	632	621	612	611	619	614	622	631	636	643	656	661	662	651	649	648	650	
6 **	662	662	659	653	644	664	649	622	609	612	610	623	621	601	591	662	614	631	646	653	649	633	632	636	
7 *	632	632	632	632	632	629	622	619	616	622	626	629	626	619	623	629	639	646	654	661	659	655	656	655	
8	648	642	641	642	644	646	644	642	642	644	639	641	636	631	632	631	648	657	666	664	666	669	650	646	
9 **	642	639	635	639	646	650	642	636	622	614	626	625	623	604	629	636	639	632	629	650	649	649	646	641	
10	632	649	659	656	634	623	613	604	610	620	610	612	622	618	641	633	643	652	656	660	654	652	636	633	
11	632	641	636	632	633	628	622	619	621	623	623	621	625	620	623	630	642	639	639	650	651	649	644	649	
12	655	639	633	641	644	644	641	622	613	622	622	622	606	622	631	633	642	649	658	659	656	653	643	643	
13 *	642	641	642	640	642	640	634	628	624	624	626	628	626	629	634	636	643	651	649	655	656	659	661	659	
14	656	656	655	646	652	650	643	636	630	623	619	624	622	634	643	639	640	649	651	653	659	659	661	655	
15 *	656	652	649	650	649	650	643	633	623	616	618	634	636	634	643	649	646	649	655	656	660	659	656	653	
16	651	652	650	652	653	654	646	640	636	630	624	622	623	636	653	666	676	670	681	676	676	676	678	674	
17	663	666	669	678	675	665	662	651	641	622	603	608	622	632	652	656	663	662	662	656	646	646	651	650	
18	649	648	646	644	649	646	636	629	612	614	621	621	616	621	628	642	656	662	658	660	656	649	652	650	
19 *	649	651	655	650	653	651	643	633	626	622	624	632	636	643	651	651	649	653	659	661	664	664	662	659	
20 *	654	654	653	654	658	658	656	653	643	639	636	636	631	633	652	656	654	670	670	666	666	659	657	656	
21	656	656	656	661	662	654	649	646	637	638	643	648	652	651	653	659	660	660	649	666	666	661	662	651	
22	651	652	656	660	669	679	672	661	656	648	642	632	642	643	670	641	644	655	674	663	663	662	661	658	
23	655	650	650	655	658	657	648	635	623	623	620	630	631	627	631	648	655	651	701	704	673	671	643	625	
24 **	620	615	645	629	624	621	621	612	580	609	602	580	584	608	608	620	628	637	647	645	655	650	645	645	
25	645	650	641	641	631	628	617	603	579	578	587	611	602	595	609	629	633	635	645	652	648	645	638	640	
26	642	640	628	627	628	622	616	598	598	601	602	605	607	615	633	632	638	641	640	643	647	648	645	641	
27	642	640	639	641	641	636	635	634	636	641	629	630	636	642	648	655	649	661	650	645	648	648	650	650	
28	655	640	641	641	641	643	638	629	622	618	628	635	638	637	633	642	648	658	662	660	660	655	652	648	
29 **	650	649	649	651	650	649	638	625	624	631	642	648	659	655	681	682	702	711	691	661	620	605	601	593	
30 **	609	589	635	625	605	611	589	580	565	553	565	578	587	610	622	635	631	662	660	645	634	628	631	641	
Mean	646	644	645	646	645	643	635	626	619	618	618	621	623	626	636	644	646	652	657	658	654	651	648	646	
Mean *	647	646	646	645	647	646	640	633	626	625	626	632	631	632	641	644	646	654	657	660	661	659	658	656	
Mean **	637	631	645	639	634	639	628	615	600	604	609	611	615	616	626	647	643	655	655	651	641	633	631	631	

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h
July	18000 γ + Tabular Quantities (in γ)																								
1	629	627	622	630	629	624	614	600	588	586	597	597	590	622	624	630	634	633	651	655	654	650	644	641
2	639	639	636	637	633	624	622	615	604	599	601	604	606	618	630	639	642	654	654	657	657	650	649	644
3	641	642	640	643	646	642	636	624	614	607	597	598	596	608	629	663	646	647	659	664	652	627	599	602
4 **	600	614	616	618	614	634	628	612	599	587	577	580	591	604	621	640	632	647	651	647	639	634	637	654
5	637	628	623	624	627	627	622	614	609	607	609	622	597	604	617	634	639	653	660	652	652	656	659	640
6	635	647	641	639	642	640	627	616	617	610	616	620	600	609	620	628	650	660	658	657	649	648	649	644
7	640	640	640	647	644	640	637	630	624	624	622	620	626	630	627	636	644	651	654	662	660	658	670	638
8	635	635	635	638	639	634	625	616	615	616	615	620	625	615	627	625	625	641	647	651	650	649	647	645
9	647	649	649	648	651	635	636	636	625	625	621	621	629	633	627	621	645	655	654	657	655	651	651	649
10	647	649	649	649	645	640	637	631	625	613	612	615	629	623	636	650	636	651	657	653	661	660	660	650
11 **	664	642	644	647	650	650	645	639	634	625	608	632	642	660	645	654	680	691	692	668	651	638	650	614
12 **	606	604	604	646	602	634	623	624	599	566	575	587	596	594	592	610	623	629	643	644	654	645	654	649
13	632	639	647	649	650	650	641	634	632	590	605	619	629	603	621	624	628	638	649	653	651	645	648	641
14	650	640	634	634	639	638	632	620	601	609	610	613	620	630	630	634	643	647	656	648	649	653	644	640
15	641	642	640	630	642	641	631	624	620	615	614	620	623	630	640	625	622	643	644	657	658	658	656	654
16	648	647	640	638	644	645	634	629	618	599	588	602	610	618	628	635	640	641	646	652	654	655	653	652
17 *	647	643	645	645	653	655	646	627	615	606	613	615	618	619	633	644	655	668	665	658	657	654	653	654
18 *	655	660	651	656	657	648	636	626	619	603	594	595	607	621	628	648	655	666	662	658	658	657	656	650
19 *	643	647	646	646	649	647	638	627	616	610	606	612	625	635	643	647	648	662	667	665	669	670	666	666
20	663	666	663	667	666	658	652	648	643	638	633	632	629	633	638	642	655	664	667	668	662	657	653	648
21	659	646	643	641	647	650	647	641	632	618	611	621	623	638	659	655	638	651	673	674	657	661	653	648
22	653	647	655	658	648	651	649	642	628	605	622	625	633	629	633	640	647	647	653	662	654	650	649	646
23 *	647	640	640	643	643	641	640	637	634	628	620	618	617	625	638	643	653	658	660	661	662	658	658	658
24 **	655	659	673	675	662	638	643	646	638	638	618	599	638	638	642	643	655	666	678	670	651	640	601	600
25 **	608	612	648	646	660	626	575	582	568	563	572	577	579	589	589	599	609	617	618	629	638	635	638	634
26 *	625	625	625	628	630	629	626	620	615	612	606	603	611	618	619	623	635	644	645	644	639	639	644	640
27	638	639	638	639	642	643	639	631	623	618	614	618	615	628	636	641	649	650	649	659	662	656	660	653
28	650	675	661	657	647	642	635	629	612	604	605	614	621	633	641	642	647	651	651	656	662	658	645	647
29	654	650	647	647	658	655	646	634	625	625	627	619	641	659	663	666	654	661	665	673	657	648	651	644
30	645	641	643	649	649	639	630	624	616	615	617	600	607	635	640	639	652	651	655	662	665	654	653	648
31	650	651	652	664	665	657	640	627	613	602	607	620	634	640	648	641	657	664	640	657	670	662	656	649
Mean	641	641	642	644	644	641	633	626	617	608	607	611	616	624	631	637	643	652	656	657	655	651	649	643
Mean *	643	643	641	644	646	644	637	627	620	612	608	609	616	624	632	641	649	660	660	657	657	656	655	654
Mean **	627	626	637	646	638	636	623	621	608	596	590	595	609	617	618	629	640	650	656	652	647	638	636	630
August	18000 γ + Tabular Quantities (in γ)																								
1	653	644	647	647	654	661	654	640	627	626	624	626	626	618	656	642	664	667	657	671	651	650	654	657
2	647	642	649	654	648	647	640	630	630	621	630	641	643	627	640	642	657	661	674	685	642	646	651	653
3	646	639	655	647	639	632	630	629	624	607	596	618	629	644	634	644	650	667	674	664	660	652	661	649
4	641	640	637	643	647	637	629	620	618	615	612	623	619	628	638	655	656	658	658	656	653	657	649	647
5	646	646	646	646	644	646	646	637	629	627	627	634	643	646	636	647	659	670	663	669	661	656	653	656
6	660	636	637	639	639	637	638	636	636	636	638	646	650	648	648	647	643	648	666	673	657	666	660	650
7 **	643	656	656	653	639	643	641	631	619	618	623	646	651	656	659	666	676	653	661	673	653	650	609	609
8 **	617	541	616	636	629	668	548	523	563	608	623	609	593	586	577	595	611	619	629	627	613	613	621	619
9	608	613	614	620	613	618	618	592	571	577	573	576	593	603	603	607	636	647	629	631	627	659	616	636
10 **	623	627	623	620	630	620	631	619	615	605	605	608	613	599	589	599	635	629	639	693	653	633	653	631
11	638	625	618	623	642	631	615	608	608	598	599	578	594	609	605	596	616	630	646	646	646	650	651	651
12	642	636	623	611	629	630	619	596	565	576	595	583	590	608	612	623	626	645	648	641	631	633	636	638
13	639	635	635	631	619	623	625	610	607	605	600	609	623	633	639	630	640	642	643	636	633	641	640	643
14	638	647	642	636	647	649	640	626	617	603	591	609	628	609	621	641	646	651	656	653	659	659	676	658
15	659	655	636	637	636	643	629	618	611	606	608	608	608	618	623	633	649	660	660	645	646	646	646	646
16 *	650	643	647	637	637	639	636	627	622	616	610	608	613	619	629	639	643	646	648	646	646	644	644	648
17 *	646	646	641	643	643	641	639	630	618	609	607	617	627	639	639	643	645	647	651	649	648	647	640	637
18	639	643	647	648	656	649	646	639	630	628	629	633	639	647	644	653	683	683	641	648	644	649	619	613
19 **	611	610	619	630	637	628	613	577	543	527	479	465	476	516	523	531	577	538	559	559	592	533	493	489
20 **	458	529	522	461	463	467	432	439	422	505	552	561	555	556	556	562	570	596	603	606	613	609	604	599
21	603	605	610	609	610	609	600	580	563	587	586	596	588	583	588	576	603	619	607	630	629	625	621	620
22	619	620	623	623	625	626	620	608	595	583	579	576	598	608	613	610	613	628	631	638	635	633	630	629
23	633	633	623	620	621	621	619	612	606	593	588	596	599	609	617	608	615	619	629	639	636	636	629	639
24 *	618	619	618	618	619	617	612	599	595	589	595	605	609	617	622	622	620	624	629	637	639	642	639	634
25 *	634	635	639	628	630	622	612	607	598	592	597	606	608	616	626	627	628	634	634	637	640	638	640	638
26 *	636	636	633	632	634	630	626	618	613	607	604	606	613	619	622	625	622	630	636	637	642	642	646	646
27	654	651	637	640	637	637	637	632	620	614	616	625	636	637	637	637	638	647	647	651	650	655	652	652
28	652	647	645	648	644	638	632	626	622	615	628	635	635	647	648	642	640	644	648	667	638	660	662	627
29	630	632	630	635	638	645	638	625	612	609	608	616	622	635	608	624	640	637	642	640	640	635	635	649
30	645	638	638	631	628	628	619	605	608	607	610	612	614	620	624	638	629	632	634	652	642	634	637	631
31	634	634	630	632	630	633	626	619	619	622	622	627	628	624	642	645	635	640	638	638	637	640	640	639
Mean	631	629	630	628	629	630	620	608	601	601	602	606	612	617	620	624	634	639	641	646	641	640	636	633
Mean *	637	636	636	632	633	630	625	616	609	603	603	608	614	622	628	631	632	636	640	641	643	643	642	641
Mean **	590	593	607	600	600	605	573	558	552	573	576	578	578	583	581	591	614	607	618	632	625	608	596	589

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	18000 γ + Tabular Quantities (in γ)																								
1 *	637	638	637	638	638	634	625	617	612	606	608	612	617	622	631	632	645	649	648	648	647	646	649	648	
2	644	645	640	642	640	637	635	626	619	615	615	617	622	628	638	638	647	650	656	657	652	649	652	645	
3 **	645	648	652	664	652	637	640	635	648	627	622	598	595	585	615	612	602	612	612	615	608	625	614	578	
4 **	599	605	612	607	618	625	616	610	573	572	575	590	588	597	585	598	592	615	615	638	628	631	632	638	
5 **	617	630	628	628	628	624	622	597	570	548	575	587	590	598	608	630	626	627	638	652	665	620	650	612	
6 **	608	618	608	641	626	622	592	612	602	587	562	552	588	599	608	608	619	619	629	642	648	635	637	637	
7	629	614	618	612	611	618	616	597	597	597	591	610	617	625	621	617	631	631	634	631	636	631	624	630	
8	631	627	627	623	621	629	604	599	571	584	601	613	612	618	624	617	633	633	624	643	656	633	655	658	
9	628	626	648	628	625	624	621	611	598	605	609	617	621	632	635	629	628	623	628	631	655	640	627	630	
10	645	638	641	619	614	617	618	616	607	598	601	614	616	612	617	621	632	629	616	611	627	634	636	633	
11	647	637	643	624	628	634	631	618	619	601	593	608	618	624	627	628	627	623	623	639	635	641	638	644	
12	653	643	634	634	641	641	634	618	611	601	608	619	620	627	633	631	636	639	641	642	641	637	634	639	
13	638	644	638	638	637	634	634	623	611	607	617	630	638	646	647	646	653	643	639	621	613	608	625	627	
14 *	627	628	631	634	631	627	621	613	607	603	607	614	622	629	634	633	634	639	641	643	641	641	638	641	
15 *	637	637	637	638	638	641	637	626	616	609	610	620	631	641	638	637	636	636	641	645	646	646	651	651	
16	648	654	651	647	651	650	644	636	627	620	631	638	640	629	658	653	620	628	641	647	643	644	649	647	
17	637	637	640	639	649	655	632	634	630	625	622	624	632	634	634	614	622	624	632	633	624	628	634	627	
18	616	635	624	635	641	628	625	612	617	584	579	588	608	607	616	615	632	628	629	642	644	662	658	642	
19	659	641	629	637	642	642	642	627	622	616	600	586	588	615	632	628	629	635	638	635	645	648	637	620	
20	632	620	622	632	615	634	643	622	627	626	607	584	608	630	604	609	610	637	628	622	636	625	631	631	
21	634	639	632	617	637	642	626	619	612	608	612	619	622	626	626	626	627	629	636	642	638	638	639	637	
22 *	635	633	632	632	634	633	631	626	622	618	617	617	618	620	624	624	625	640	644	639	643	643	644	644	
23	645	642	642	644	644	645	650	646	646	642	627	602	600	602	625	640	608	615	636	644	634	648	608	628	
24 **	627	627	644	638	630	628	628	628	620	615	618	620	640	640	641	640	629	619	616	632	644	696	623	626	
25	655	621	620	626	622	620	627	617	597	618	618	625	625	624	622	615	626	619	624	639	633	623	648	640	
26	616	622	622	623	626	629	636	636	630	621	618	621	620	626	632	632	632	637	634	614	639	626	646	634	
27	630	637	627	637	640	642	644	632	622	604	602	610	615	622	627	628	635	635	635	644	636	632	636	642	
28	638	639	639	640	642	641	640	630	621	609	605	600	600	612	622	629	632	637	642	644	647	645	648	642	
29 *	638	636	639	641	642	642	640	634	622	616	617	618	627	632	638	635	640	642	646	649	648	642	647	645	
30	647	649	642	644	645	650	648	638	622	602	599	606	624	630	637	640	638	648	651	644	608	618	638	642	
Mean	635	634	633	633	634	634	630	622	613	606	606	609	615	621	627	627	628	631	634	638	639	638	638	635	
Mean *	635	634	635	637	637	635	631	623	616	610	612	616	623	629	633	632	636	641	644	645	645	644	646	646	
Mean **	619	626	629	636	631	627	620	616	603	590	590	589	600	604	611	618	614	618	622	636	639	641	631	618	
October	18000 γ + Tabular Quantities (in γ)																								
1 **	666	639	628	612	628	655	598	632	602	580	591	579	546	559	586	599	593	592	612	616	608	670	656	626	
2 **	618	621	619	607	629	630	626	620	580	510	520	548	582	613	617	579	597	601	601	612	618	605	584	604	
3	622	612	617	612	617	605	619	607	592	575	564	578	575	597	602	619	618	614	612	658	638	616	626	636	
4	656	629	606	602	619	629	624	612	607	588	597	600	579	592	588	599	627	602	656	602	618	614	629	622	
5	635	625	642	628	622	626	607	602	597	592	572	579	594	612	617	602	628	629	640	650	625	632	630	645	
6	634	616	618	621	628	635	620	628	614	606	582	598	609	610	608	608	607	628	599	608	618	622	638	628	
7	625	629	659	629	634	639	618	617	612	604	594	598	604	609	595	582	608	610	619	624	645	610	619	629	
8	659	638	617	621	635	625	628	630	622	609	605	603	612	622	624	618	629	630	638	640	642	640	640	638	
9	648	639	652	637	635	637	634	630	624	584	588	610	625	624	627	629	632	632	634	639	639	640	639	636	
10 *	637	642	633	635	635	636	636	627	619	612	605	608	610	614	619	625	628	638	638	642	645	645	643	652	
11	638	635	637	638	642	645	646	638	628	618	617	618	625	634	645	645	648	658	647	658	657	658	655	650	
12	649	655	651	655	664	634	634	629	618	606	598	594	602	618	626	632	639	638	624	618	611	628	628	631	
13	635	639	641	649	646	647	647	634	627	620	619	624	619	620	625	628	632	631	635	631	647	643	632	639	
14 **	635	646	655	657	648	650	662	652	635	624	635	642	618	602	635	616	606	579	605	605	602	596	615	609	
15	647	630	624	627	618	634	628	611	608	612	610	607	607	612	614	614	608	622	629	624	632	625	624	628	
16	634	639	627	627	642	651	618	634	611	579	561	553	583	577	567	586	589	584	596	599	611	611	617	627	
17	628	634	613	620	621	627	634	623	583	583	598	598	601	589	589	591	607	604	624	601	601	621	624	628	
18	624	624	624	624	631	629	643	629	603	591	581	601	607	615	615	615	615	621	627	634	642	644	633	631	
19 *	631	631	632	632	637	638	637	633	621	611	611	612	612	620	627	628	631	634	636	635	641	637	639	641	
20	635	634	635	638	641	644	647	647	643	627	623	627	633	636	638	636	638	641	638	648	649	644	655	644	
21 *	643	641	643	644	647	651	649	647	639	633	627	625	624	627	635	635	634	640	646	651	644	645	645	645	
22	645	646	645	641	643	648	649	647	641	634	632	636	644	637	631	626	636	626	634	653	651	648	646	638	
23	671	631	631	636	641	641	641	647	641	634	636	631	635	637	637	634	631	640	639	641	643	633	651	634	
24	651	641	638	638	639	641	643	641	633	622	623	624	628	637	639	641	641	641	639	644	643	644	641	640	
25 *	637	639	637	637	640	641	639	635	629	627	630	631	639	639	638	639	641	646	649	640	641	645	649	654	
26	638	638	636	635	646	644	644	637	624	621	625	636	640	645	643	639	640	644	644	634	631	631	641	641	
27 *	641	643	641	643	647	648	646	644	636	628	624	631	639	646	646	647	647	647	650	650	651	646	643	646	
28 **	646	645	636	658	649	654	657	647	597	534	537	593	594	571	579	546	549	576	530	536	561	560	587	577	
29 **	609	610	605	593	598	601	582	602	553	587	588	566	595	587	581	564	585	591	601	600	645	621	591	581	
30	623	624	613	638	637	621	610	608	598	584	594	601	611	615	579	587	609	628	607	588	581	590	606	621	
31	618	614	628	624	624	641	611	626	603	589	574	573	587	581	609	607	601	613	613	651	601	633	624	621	
Mean	638	633	632	631	635	637	632	630	614	601	599	604	609	613	616	613	619	622	625	627	628	629	631	630	
Mean *	638	639	637	638	641	643	641	637	629	622	619	621	625	629	633	635	636	641	644	644	644	644	644	648	
Mean **	635	632	629	625	630	638	625	631	593	567	574	586	587	586	600	581	586	588	590	594	607	610	607	599	

* International Quiet Day. ** International Disturbed Day.

TABLE II. - HOURLY MEANS OF HORIZONTAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November	18000 γ + Tabular Quantities (in γ)																								
1 **	621	621	617	603	626	630	626	607	619	615	596	547	575	592	578	577	571	599	632	628	615	625	632	639	
2	630	625	616	624	628	625	631	630	612	592	585	591	597	600	598	599	625	628	628	629	628	627	625	627	
3	625	620	624	625	640	639	640	632	619	610	608	604	607	615	625	628	628	628	634	634	634	634	637	642	
4 **	642	640	644	644	642	642	619	619	594	582	579	569	562	569	577	585	562	574	602	614	612	613	616	614	
5	607	619	616	614	615	619	619	620	619	604	595	606	606	617	621	622	624	619	617	622	627	635	625	620	
6 *	623	624	623	625	629	634	639	637	639	628	624	621	618	622	628	632	635	638	638	638	636	636	636	635	
7 *	634	634	634	635	638	640	642	646	640	635	634	636	637	638	637	638	641	644	645	642	642	641	638	637	
8	637	637	646	642	638	639	643	645	643	637	637	636	640	643	648	647	643	638	640	643	647	648	643	639	
9	638	637	636	645	645	646	648	650	648	635	633	633	639	645	649	647	648	653	649	640	633	636	639	641	
10	637	649	643	647	645	656	650	626	587	593	588	583	582	587	581	595	609	583	602	597	612	617	613	607	
11	620	622	621	620	628	626	633	629	608	603	599	593	588	590	603	600	613	629	629	626	629	637	643	629	
12	627	627	631	633	629	634	637	627	613	625	628	626	616	620	610	583	619	628	633	626	629	622	663	642	
13	632	623	626	642	653	639	660	646	640	629	628	616	660	590	599	618	633	633	645	653	619	609	626	639	
14	631	635	629	626	631	634	636	636	634	633	629	623	627	628	621	617	624	630	640	633	637	635	637	639	
15 *	634	636	638	640	643	646	648	645	639	639	632	626	629	639	639	643	646	648	648	646	645	643	651	646	
16	643	640	641	643	643	645	649	648	643	640	635	636	642	643	645	646	643	653	656	643	646	640	643	631	
17	635	635	639	646	653	652	648	643	648	653	651	648	645	648	637	642	641	638	641	646	663	647	634	637	
18	638	639	640	642	643	645	640	647	645	645	646	647	636	648	649	643	641	640	643	650	611	633	630	634	
19 *	629	629	630	630	628	634	637	635	638	638	641	638	636	639	638	636	639	643	645	646	647	646	643	645	
20 *	645	645	645	644	646	653	655	651	645	640	634	635	643	645	643	638	636	634	641	643	643	641	643	645	
21	645	643	643	644	644	644	546	645	645	645	645	646	653	553	648	645	648	651	651	651	643	637	641	633	
22	634	638	640	639	637	638	641	645	645	643	646	648	653	553	653	650	606	626	629	623	631	636	649	609	
23	613	623	625	626	629	629	630	631	631	629	631	633	636	536	635	633	636	641	640	627	632	629	657	642	
24	638	637	636	636	640	643	646	643	640	638	637	638	645	647	647	648	653	632	581	597	607	633	633	637	
25 **	634	615	628	631	629	622	636	644	629	620	606	592	538	636	626	609	635	619	626	632	624	635	633	635	
26 **	638	636	666	642	652	634	635	637	624	570	557	612	585	583	584	589	585	572	596	627	638	628	609	622	
27 **	633	622	646	621	632	649	618	627	628	619	605	569	622	618	602	607	600	627	619	642	627	648	638	632	
28	632	653	649	636	639	618	633	632	619	590	610	595	586	582	605	619	612	623	616	622	638	595	607	615	
29	627	625	629	623	630	632	632	630	620	607	609	612	609	595	615	628	638	622	626	625	634	659	634	630	
30	627	626	630	622	632	638	636	638	632	619	620	628	632	635	634	633	635	620	619	615	649	637	629	632	
Mean	632	632	634	633	637	638	639	636	630	622	619	616	616	622	623	623	626	627	630	632	633	633	635	633	
Mean *	633	634	634	635	637	641	644	643	640	636	633	631	633	637	637	637	639	641	643	643	643	641	642	642	
Mean **	634	627	640	628	636	635	627	627	619	601	589	578	576	600	593	593	591	598	615	629	623	630	626	628	
December	18000 γ + Tabular Quantities (in γ)																								
1 *	635	635	635	642	648	649	650	645	648	637	631	630	630	632	637	635	635	639	642	639	642	642	642	640	
2	639	640	641	650	646	646	652	652	642	634	632	629	629	639	635	637	629	639	640	643	650	642	645	644	
3	644	640	642	641	647	649	652	653	653	642	637	637	642	644	642	640	643	645	648	650	638	639	640	642	
4 *	638	638	638	642	645	648	648	648	644	638	635	632	632	630	632	637	640	638	638	634	630	637	642	639	
5	630	638	641	643	648	651	650	650	653	655	653	656	655	650	653	655	655	648	610	619	630	637	644	642	
6	645	638	642	646	653	653	656	648	646	626	624	607	621	627	619	612	619	630	635	635	641	635	631	633	
7	633	636	638	642	641	648	650	653	658	656	649	645	646	641	648	645	643	645	636	629	625	630	646	652	
8	641	640	639	644	651	655	653	654	659	665	665	653	639	639	639	639	633	620	623	633	636	643	659	647	
9	636	636	641	645	636	644	646	642	631	633	633	633	639	643	635	639	639	642	642	644	641	639	647	642	
10	639	643	639	639	647	656	649	645	645	639	636	639	640	642	642	640	645	649	644	630	638	638	635	645	
11 *	640	641	641	642	643	650	649	646	645	643	642	649	650	650	651	646	646	643	643	645	645	646	646	645	
12	646	646	648	651	654	672	693	696	670	656	650	649	652	655	650	651	657	668	640	607	589	584	584	573	
13 **	590	613	624	643	646	619	631	621	604	603	607	616	623	608	616	603	604	600	616	560	570	579	583	616	
14 **	619	631	596	623	613	620	623	625	629	630	628	619	620	623	623	623	630	630	627	607	598	623	599	614	
15	615	614	616	620	625	626	629	633	636	631	633	638	639	633	641	641	641	642	610	613	626	631	650	636	
16	627	629	631	633	639	643	649	647	647	645	639	631	638	640	638	638	636	636	635	636	635	636	637	633	
17	636	634	639	639	638	637	640	640	638	636	626	642	639	640	639	638	639	643	639	642	644	647	646	637	
18	643	638	639	639	642	644	646	647	647	647	647	652	649	638	642	644	648	628	630	657	643	645	639	640	
19	649	639	637	635	638	647	646	647	649	647	641	640	642	635	642	641	641	638	640	636	638	646	643	639	
20	640	639	639	639	641	643	649	650	650	649	636	639	642	642	644	648	649	647	646	643	649	638	647	649	
21 *	633	639	644	647	652	647	647	647	652	653	650	647	641	639	637	637	641	643	643	643	643	647	646	647	
22 **	647	642	643	642	647	649	656	660	661	663	666	657	632	617	610	593	603	596	579	584	579	586	608	623	
23 **	603	607	629	615	619	638	642	627	609	600	617	615	603	593	610	612	584	600	623	623	620	607	617	633	
24 **	642	633	631	627	633	639	635	637	630	627	618	622	615	621	626	610	569	583	617	629	648	643	635	633	
25	617	637	621	625	638	638	633	635	615	609	626	632	608	617	608	605	620	626	624	647	641	638	655	642	
26	624	645	650	650	643	647	635	620	610	600	608	631	631	632	620	611	623	621	648	620	617	625	631	636	
27	635	640	643	638	634	636	645	640	620	613	628	626	633	629	630	627	631	631	627	623	650	644	630	630	
28	630	635	641	640	643	646	643	641	639	630	633	633	634	629	634	636	629	623	638	637	633	637	636	638	
29	637	633	637	640	639	643	641	640	638	627	630	636	643	648	643	643	640	640	640	636	643	645	640	634	
30	643	639	643	645	646	649	646	650	649	645	650	654	658	656	649	637	641	637	651	647	644	662	648	642	
31 *	643	644	643	644	643	645	647	649	648	644	640	640	645	649	654	649	651	653	655	655	653	653	648	639	
Mean	634	636	636	639	641	644	646	645	641	636	636	636	636	635	635	633	633	633	633	631	632	634	635	636	
Mean *	638	639	640	643	646	648	648	647	647	643	640	640	640	640	642	641	643	643	644	643	643	645	645	642	
Mean **	620	625	625	630	632	633	637	634	627	625	627	626	619	612	617	608	598	602	612	601	603	608	608	624	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
January	43000 γ + Tabular Quantities (in γ)																								
1	284	278	274	275	273	271	272	275	275	276	279	275	273	277	279	279	280	279	279	278	281	280	277	278	
2	280	281	282	278	277	277	277	278	280	283	283	280	279	281	282	280	280	279	280	280	277	277	276	279	
3	277	276	275	275	275	275	275	278	277	280	280	276	275	278	279	278	279	279	279	279	279	277	276	274	
4	275	275	275	275	275	275	275	276	271	274	278	279	279	280	282	285	280	280	281	283	285	281	280	279	
5 *	276	275	276	275	276	276	275	275	274	271	271	268	268	273	275	275	278	278	277	277	277	278	275	275	
6	274	274	274	271	270	271	271	271	269	269	269	269	269	272	273	277	282	285	289	286	282	279	279	278	
7	275	275	275	273	275	277	276	277	275	271	270	269	265	268	271	275	278	281	284	282	280	276	276	275	
8 *	274	275	275	275	275	275	275	276	277	272	272	272	271	271	272	275	276	276	277	277	278	277	275	274	
9	274	275	274	266	261	263	263	267	268	269	270	271	270	269	269	272	275	275	275	276	277	275	275	273	
10	271	265	265	265	268	270	273	273	275	275	275	270	265	265	270	275	275	275	275	278	281	280	278	275	
11	265	271	273	273	275	275	275	275	275	275	275	271	267	267	272	274	276	276	277	280	281	280	279	277	
12	275	273	272	271	273	275	275	275	275	274	275	271	267	269	272	274	276	276	281	285	287	285	285	281	
13	278	277	274	271	274	275	275	275	274	271	275	273	270	271	273	274	275	279	282	285	286	285	282	280	
14 **	279	275	275	275	270	271	271	271	274	274	271	267	265	265	271	275	279	280	281	287	286	279	279	277	
15	275	274	273	272	272	270	270	272	275	275	276	277	277	277	281	283	285	285	283	280	285	282	278	278	
16	277	277	276	276	273	272	269	270	269	265	267	265	261	268	275	278	278	278	275	278	281	279	275	275	
17 *	273	272	273	273	274	274	274	273	274	274	274	270	265	268	271	274	278	278	278	280	278	280	279	276	
18 *	273	271	271	266	265	270	270	269	268	264	264	268	267	267	271	272	274	274	272	271	271	273	274	274	
19	271	270	270	268	269	270	269	264	264	266	264	264	267	270	274	276	281	280	285	289	291	293	294	288	
20 **	284	280	269	270	268	269	271	273	271	269	273	270	275	283	294	298	307	311	300	293	288	284	284	280	
21 **	278	274	268	270	270	271	273	275	273	270	269	274	274	275	278	283	288	294	288	288	289	281	279	280	
22	275	268	265	267	267	268	270	274	275	274	274	271	271	272	274	277	283	283	281	279	280	280	277	275	
23	274	274	273	274	274	277	275	274	273	273	271	267	265	266	270	275	277	276	273	276	276	275	273	272	
24 **	269	266	267	268	272	273	273	272	271	269	265	267	269	271	274	288	333	353	359	349	358	335	322	296	
25 **	287	283	289	293	291	288	281	273	277	275	281	284	283	283	289	299	303	303	302	303	304	299	293	292	
26	288	286	283	282	283	279	279	279	279	277	273	273	273	274	278	283	286	286	291	293	292	288	287	285	
27	283	283	283	282	283	284	285	282	281	277	275	277	274	277	283	285	291	289	286	289	294	296	297	293	
28	287	284	280	277	278	278	280	280	279	274	269	272	273	276	287	295	296	294	293	293	293	290	289	287	
29 *	287	285	285	285	284	284	284	283	283	275	274	276	274	277	281	284	288	284	285	286	288	287	285	284	
30	284	284	279	281	281	279	276	275	271	271	274	279	280	279	283	287	290	292	292	292	294	294	290	289	
31	287	284	284	284	283	283	280	280	284	284	278	277	274	274	278	280	284	284	284	284	287	287	287	284	
Mean	278	276	275	274	274	275	274	275	274	273	273	272	271	273	277	280	284	285	285	286	287	284	282	280	
Mean *	277	276	276	275	275	276	276	275	275	271	271	271	269	271	274	276	279	278	278	278	278	279	278	277	
Mean **	279	276	274	275	274	274	274	273	273	271	272	272	273	275	281	289	302	308	306	304	305	296	291	285	
February	43000 γ + Tabular Quantities (in γ)																								
1	282	280	281	282	279	277	278	279	283	278	274	275	275	279	284	287	288	287	287	287	285	282	282	281	
2	280	278	277	276	277	277	276	275	274	280	278	282	283	290	305	319	328	323	315	309	301	297	294	291	
3	288	288	288	288	287	287	287	286	286	283	283	284	286	284	296	308	316	317	318	314	308	298	294	289	
4	284	283	284	284	284	285	284	285	286	281	279	281	280	283	294	305	316	306	310	308	300	286	285	286	
5	287	284	284	284	279	276	279	282	284	276	272	270	272	277	282	285	289	289	291	288	286	285	282	281	
6	280	283	284	284	284	284	281	280	281	281	278	275	275	279	283	285	285	287	287	287	285	283	280	279	
7	278	278	278	280	276	279	280	281	281	280	280	277	274	272	277	281	285	288	291	292	290	288	279	266	
8	271	275	277	278	279	279	281	281	281	276	272	271	271	275	280	285	292	298	299	299	300	298	295	289	
9	275	275	277	280	281	283	282	282	282	279	274	271	274	275	280	284	291	295	295	296	300	287	291	291	
10 *	285	282	281	281	284	285	287	285	285	282	278	278	278	281	281	281	285	285	285	285	285	285	285	281	
11	278	276	276	276	277	279	281	281	281	275	275	272	272	273	272	272	273	275	275	276	278	279	279	281	
12	278	274	275	275	275	275	275	279	281	276	273	272	272	276	280	280	280	279	279	280	284	282	280	279	
13 *	278	278	278	278	278	278	277	279	278	275	271	272	273	272	275	275	279	278	280	280	280	280	278	278	
14	275	275	275	272	271	273	273	271	271	272	270	271	271	271	275	277	278	277	278	281	280	278	278	278	
15	275	275	274	274	275	275	275	273	275	275	269	265	265	267	268	269	278	280	282	285	285	285	285	285	
16 *	281	280	279	277	277	279	275	276	277	274	265	265	269	272	274	275	276	278	277	276	276	274	274	272	
17 *	274	272	274	274	274	274	274	272	271	267	259	256	258	264	270	274	274	274	274	274	274	274	274	274	
18	274	274	274	273	274	274	271	270	269	265	260	258	259	258	264	269	270	274	276	275	274	271	271	272	
19	271	269	269	270	269	269	268	269	274	266	256	249	246	250	256	261	265	267	270	270	271	271	270	270	
20 **	269	269	268	268	268	269	267	269	270	267	258	255	254	262	271	271	270	277	355	454	373	356	328	294	
21 **	289	276	266	225	251	243	274	290	298	300	299	308	309	317	333	343	331	318	310	309	308	302	301	288	
22 **	288	290	288	288	292	294	296	293	295	294	293	289	292	295	301	306	314	320	321	311	308	301	301	299	
23 **	292	287	286	285	286	287	286	287	285	284	282	286	310	322	329	338	344	340	334	314	324	316	283	260	
24 **	271	274	270	237	250	264	267	269	269	272	274	268	275	281	289	294	298	300	299	300	300	291	289	293	
25	279	276	279	270	275	283	283	284	281	278	275	274	280	284	286	291	294	294	293	291	293	291	289	290	
26 *	289	287	287	286	286	285	284	287	288	287	280	274	279	281	283	287	289	288	289	287	289	288	287	287	
27	287	286	286	286	285	286	284	286	288	290	283	275	279	284	290	287	284	284	284	285	285	284	285	284	
28	283	280	279	279	280	282	280	280	281	286	284	283	284	289	290	292	293	293	290	290	289	288	287	288	
Mean	280	279	278	275	277	278	279	280	281	279	275	273	276	279	285	289	292	292	294	297	293	289	286	282	
Mean *	281	280	280	279	280	280	279	280	280	277	271	269	271	274	277	278	281	281	281	280	281	280	280	278	
Mean **	282	279	276	261	269	271	278	282	283	283	281	281	288	295	305	310	311	311	324	338	323	313	300	287	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
March											43000 γ + Tabular Quantities (in γ)														
1	283	283	275	275	279	283	282	283	286	289	284	279	278	286	286	287	288	288	286	287	288	286	286	286	
2	283	281	281	281	281	279	278	279	280	283	279	273	275	276	277	283	293	289	289	286	287	286	286	286	
3	283	282	282	280	283	283	283	281	279	279	276	273	273	279	285	291	295	291	288	288	287	286	286	286	
4 *	284	283	283	283	283	284	283	283	282	279	274	269	269	271	272	279	284	286	286	285	285	284	284	283	
5	281	281	283	282	280	279	277	279	279	277	271	264	264	267	273	279	282	279	279	278	279	279	279	281	
6	283	280	276	274	274	275	273	277	277	277	269	264	268	272	274	282	293	293	299	299	295	291	283	285	
7	284	271	273	273	273	268	267	273	273	272	263	263	273	283	288	299	300	296	293	297	295	293	289	288	
8	283	279	283	285	288	289	287	286	283	278	273	271	266	272	269	283	286	288	289	288	287	287	285	284	
9	278	280	280	276	279	282	283	283	281	273	265	262	259	265	273	279	285	287	289	289	288	285	283	283	
10 *	280	279	279	280	283	283	283	284	279	273	265	257	254	259	268	274	279	279	279	283	283	282	281	280	
11 *	278	278	277	277	279	279	279	280	277	266	257	250	252	258	267	273	278	279	279	280	283	285	286	285	
12 *	283	280	278	277	277	277	276	277	275	271	266	262	261	264	270	281	286	283	283	284	283	286	286	283	
13	283	283	280	280	280	279	278	278	274	273	266	263	263	273	279	283	289	285	287	291	288	283	283	282	
14	277	273	275	275	276	274	275	274	269	263	259	256	255	259	263	268	279	279	281	282	283	283	283	282	
15 **	280	277	273	253	263	271	277	277	279	277	273	267	266	270	278	283	286	285	289	289	289	286	284	284	
16	284	281	280	280	280	279	280	282	279	278	272	269	265	268	271	278	286	283	283	283	283	283	283	282	
17	282	279	278	278	280	281	282	283	279	276	273	270	268	269	274	278	282	280	281	282	283	282	280	280	
18 *	279	278	277	276	277	279	278	279	276	270	262	257	257	260	266	273	278	278	279	281	282	279	279	280	
19 **	279	275	274	274	276	278	273	271	267	267	267	277	302	346	376	408	401	406	349	323	313	309	307	306	
20	307	302	301	303	303	304	305	303	299	293	286	283	281	281	287	296	306	310	317	313	309	308	307	303	
21 **	302	299	298	298	296	284	285	292	286	276	276	277	287	299	317	343	343	333	326	318	305	296	295	296	
22 **	292	282	283	277	276	272	277	287	292	287	280	278	282	284	287	294	299	302	300	304	307	305	306	306	
23	299	296	296	297	297	297	296	296	292	288	279	273	273	279	285	289	293	296	293	295	296	293	293	288	
24	282	274	260	258	264	270	277	274	274	277	274	278	280	291	304	310	314	314	308	304	302	299	299	299	
25	297	294	289	289	291	286	280	287	287	284	277	276	279	286	292	297	299	297	296	294	294	292	291	292	
26	290	290	287	287	287	288	290	291	289	279	272	269	272	277	284	288	289	287	287	289	290	290	294	290	
27 **	287	284	268	267	274	279	281	283	277	270	269	270	274	280	289	301	324	320	315	316	311	293	294	292	
28	292	290	289	286	289	294	296	296	294	288	279	284	282	284	289	290	294	294	292	292	294	291	290	289	
29	289	287	285	281	284	286	287	287	277	270	264	264	262	266	269	279	285	289	291	294	294	291	292	290	
30	287	284	281	280	284	287	287	291	289	281	271	264	267	274	280	288	289	287	287	286	286	286	286	286	
31	285	284	284	283	283	284	284	284	280	269	262	252	256	263	279	295	311	308	302	300	304	304	303	296	
Mean	286	283	281	280	281	282	282	283	281	277	271	268	270	276	283	291	297	296	294	293	292	290	289	288	
Mean *	281	280	279	279	280	280	280	281	278	272	265	259	259	262	269	276	281	281	281	283	283	283	283	282	
Mean **	288	283	279	274	277	277	279	282	280	275	273	274	282	296	309	326	331	329	316	310	305	298	297	297	
April											43000 γ + Tabular Quantities (in γ)														
1 **	286	274	279	274	274	274	278	280	283	281	278	270	272	280	293	294	299	304	305	308	288	258	269	271	
2 **	271	274	258	257	258	258	257	260	268	270	268	269	272	279	290	299	313	318	317	314	304	299	290	264	
3 **	269	274	276	284	285	287	287	285	280	274	266	270	270	280	292	315	319	324	327	323	307	278	280	284	
4	283	288	283	278	271	268	266	266	269	273	272	269	276	288	308	319	333	338	332	308	303	298	283	283	
5 **	281	275	268	264	268	272	283	293	293	288	279	278	283	291	322	331	349	353	349	333	325	313	293	286	
6	294	290	287	293	295	290	279	283	283	283	283	280	280	283	292	296	313	318	319	312	302	295	293	285	
7	263	266	269	269	268	278	288	297	300	295	287	280	279	293	295	299	305	300	300	301	300	293	291	289	
8	288	287	281	284	287	291	293	293	288	279	270	262	259	266	281	289	293	299	298	296	294	293	292	289	
9	287	286	287	285	286	286	287	286	279	268	263	259	264	268	279	285	287	292	292	292	291	289	289	288	
10	284	280	274	276	278	276	278	279	273	268	268	260	260	267	275	279	286	289	289	291	291	291	289	282	
11 *	283	283	283	282	280	285	286	286	277	265	262	260	267	275	283	289	293	295	293	293	293	290	288	287	
12	283	283	279	279	278	280	278	273	270	264	259	249	254	261	274	283	288	289	288	288	288	288	288	286	
13	280	280	276	268	276	279	286	287	283	275	264	259	264	273	287	289	289	287	283	283	286	286	286	286	
14 *	285	283	283	282	283	283	285	288	280	273	263	259	258	263	275	283	286	286	283	285	287	287	289	288	
15	285	283	283	283	283	278	278	281	275	263	253	247	248	257	272	283	286	289	288	288	288	287	287	288	
16	287	286	285	285	284	283	285	286	276	262	251	249	256	266	278	286	288	294	296	298	299	288	288	287	
17	283	283	283	283	286	285	288	283	277	269	265	263	269	277	278	285	289	298	303	306	299	297	293	289	
18	286	286	283	282	287	286	289	288	283	276	266	260	260	266	273	279	287	293	303	299	296	293	291	286	
19	286	282	275	275	273	269	269	274	279	277	269	266	268	279	299	310	320	330	328	316	296	286	283	283	
20	279	276	273	267	247	249	262	278	281	282	277	263	263	272	279	283	288	293	303	308	311	306	295	286	
21 *	284	283	283	285	289	293	298	301	298	289	280	271	267	273	279	283	289	293	293	291	289	289	287	286	
22	284	284	284	285	285	285	288	289	284	276	262	253	253	256	262	266	273	277	280	283	283	281	280	280	
23	277	277	277	277	276	273	273	280	273	262	246	242	247	257	269	279	283	290	293	293	289	288	283	278	
24	268	243	238	243	247	249	263	272	276	278	263	258	263	270	278	285	291	309	303	297	293	290	285	279	
25	277	278	279	283	285	283	283	283	279	273	261	255	253	262	273	279	286	289	288	287	286	286	285	283	
26 *	283	283	279	282	285	286	286	283	283	279	268	257	257	263	270	279	283	287	289	286	286	286	285	283	
27 *	283	283	282	282	284	284	284	286	281	274	261	257	254	260	270	280	284	287	287	287	288	284	286	284	
28	284	282	281	282	283	282	279	274	269	266	262	253	252	263	274	289	301	310	314	312	304	300	298	291	
29	264	269	272	276	284	288	290	287	280	270	263	263	267	280	294	309	321	319	321	315	307	303	300	295	
30 **	289	283	283	260	254	263	270	268	267	265	263	260	270	290	314	336	354	364	348	335	318	297	298	298	
Mean	281	279	277	277	277	278	281	282	280	274	266	261	264	272	284	292	299	304	304	301	296	291	288	285	
Mean *	284	283	282	283	284	286	288	289	284	276	267	261	261	267	275	283	287	290	289	288	289	287	287	286	
Mean **	279	276	273	268	268	271	275	277	278	276	271	269	273	284	302	315	327	333	329	323	308	289	286	281	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
May	43000 γ + Tabular Quantities (in γ)																								
1	298	294	294	297	299	300	300	294	286	275	270	267	260	264	274	284	290	297	295	296	294	294	290	290	
2	289	289	287	290	291	294	297	294	290	280	267	258	258	266	279	299	314	324	330	328	315	309	287	278	
3 **	279	289	270	256	244	259	269	274	274	260	250	254	261	276	284	294	297	310	317	318	304	269	279	280	
4	270	278	280	284	284	287	289	288	286	279	269	261	263	270	280	292	298	307	319	317	306	294	280	273	
5	258	261	279	287	287	290	289	287	274	267	264	263	266	271	282	297	301	304	307	304	298	289	284	284	
6	282	284	285	288	293	296	297	291	284	275	270	261	260	267	281	290	300	307	312	309	304	299	294	291	
7	273	271	280	284	287	287	287	288	287	283	272	264	260	264	276	287	290	298	299	294	294	291	288	284	
8 *	279	280	284	284	287	289	287	283	276	261	254	249	248	259	273	284	288	294	294	294	291	291	287	284	
9 *	280	281	281	283	286	289	289	284	280	274	269	262	261	267	274	279	284	289	293	294	290	289	287	284	
10	282	280	280	280	287	287	287	280	278	267	258	249	248	254	264	275	285	289	290	292	290	290	287	273	
11	274	277	273	277	284	287	281	277	267	257	254	257	260	266	274	284	286	287	291	292	290	290	288	287	
12 *	284	284	284	284	284	284	281	277	270	264	258	253	250	257	268	279	284	294	299	297	291	288	287	284	
13	284	283	282	277	278	278	276	269	266	265	260	257	261	268	277	283	291	294	294	295	294	290	286	283	
14	279	279	276	274	280	281	281	281	279	273	267	263	261	274	284	291	296	304	314	309	299	293	290	281	
15 **	278	281	279	271	269	271	277	276	269	261	254	250	255	267	278	284	294	305	311	301	299	297	290	286	
16	284	284	284	278	279	274	274	274	273	264	254	248	254	269	279	287	299	308	309	300	294	286	285	280	
17	274	279	280	284	291	291	289	287	279	274	264	257	256	269	284	294	300	304	301	296	289	287	286	285	
18 *	282	280	279	284	289	290	289	290	288	279	268	259	260	272	280	288	289	294	297	291	286	284	284	283	
19 *	284	283	283	284	289	291	290	287	280	269	252	240	248	259	272	282	288	288	288	288	284	284	281	281	
20	280	280	280	284	288	289	290	284	277	269	254	250	254	261	272	281	288	294	297	294	289	284	284	280	
21	274	269	271	274	279	284	289	293	289	280	268	264	261	267	274	291	292	295	294	287	284	281	280	280	
22	280	280	281	283	287	286	281	276	268	257	250	247	250	257	268	274	284	288	290	292	289	287	282	277	
23 **	274	277	278	282	287	284	278	274	269	250	246	250	261	280	298	324	346	358	344	330	314	303	294	292	
24	276	274	277	278	280	284	289	287	275	270	262	261	264	274	279	283	289	294	297	297	293	287	284	287	
25	281	277	279	284	289	289	287	281	280	274	263	257	259	271	276	284	300	299	298	294	291	289	288	284	
26	282	280	280	283	283	287	284	280	268	261	260	259	259	262	271	281	287	294	295	297	297	294	290	287	
27 **	286	281	274	273	274	274	278	279	277	271	269	268	268	274	283	298	313	313	307	308	308	286	234	259	
28 **	256	205	188	176	176	167	207	234	255	264	279	285	289	295	300	302	301	302	312	317	306	297	296	297	
29	293	287	285	284	292	291	292	287	284	284	284	274	276	284	289	298	301	303	306	303	294	292	293	288	
30	285	280	270	262	264	271	278	278	277	274	270	269	270	273	284	293	302	302	303	300	296	291	290	287	
31	284	285	287	289	289	289	290	290	284	276	270	264	264	269	274	284	290	294	295	295	293	290	283	280	
Mean	279	278	277	277	280	281	283	281	277	270	263	259	260	269	278	289	296	301	303	301	296	290	285	283	
Mean *	282	282	282	284	287	289	287	284	279	269	260	253	253	263	273	282	287	292	294	293	288	287	285	283	
Mean **	275	267	258	252	250	251	262	267	269	261	260	261	267	278	289	300	310	318	318	315	306	290	279	283	
June	43000 γ + Tabular Quantities (in γ)																								
1	279	280	280	280	279	278	279	275	270	263	253	250	258	269	281	294	292	298	299	297	292	291	290	280	
2	270	268	267	261	261	260	269	267	264	259	258	250	250	254	262	273	289	300	301	297	290	290	283	279	
3	280	280	280	278	283	284	284	287	284	280	267	260	264	267	274	288	300	305	311	312	299	294	290	289	
4	284	284	284	277	270	274	279	284	279	274	267	260	262	270	280	284	284	290	294	294	290	290	288	287	
5	285	281	281	284	285	285	285	287	283	270	260	255	255	263	270	280	290	295	298	298	294	291	288	285	
6 **	281	270	261	258	251	245	245	251	251	251	250	248	249	255	265	301	302	311	315	312	310	302	296	291	
7 *	289	289	289	291	292	294	297	296	292	286	281	275	272	270	273	279	282	285	291	291	290	289	289	288	
8	284	284	283	286	290	290	286	286	276	272	268	263	261	265	271	282	289	292	292	293	293	290	286	286	
9 **	281	277	270	270	272	260	267	270	266	263	267	266	270	272	277	283	292	297	300	303	302	298	293	285	
10	283	277	263	254	252	264	274	279	282	282	267	268	273	278	288	295	301	306	303	303	300	293	290	287	
11	287	283	274	280	284	287	290	290	287	282	273	267	269	273	274	281	290	294	297	299	294	290	290	290	
12	283	282	283	285	287	288	293	290	283	282	280	273	276	280	282	283	290	295	300	302	297	290	290	287	
13 *	286	286	284	284	287	287	284	280	277	273	270	265	266	272	282	283	287	290	287	287	287	287	287	287	
14	283	283	281	281	287	290	290	287	283	273	260	261	263	271	277	277	281	287	290	289	285	285	285	283	
15 *	283	283	283	285	289	290	290	283	277	273	269	267	266	270	280	283	290	291	290	287	284	283	283	282	
16	282	283	282	285	287	287	287	287	279	271	257	253	260	267	275	284	290	291	293	292	287	284	283	281	
17	280	282	282	283	283	283	281	277	274	273	271	264	265	273	280	291	300	307	313	307	298	292	290	287	
18	285	284	285	287	289	290	290	290	287	283	275	272	272	273	281	293	293	297	297	295	287	285	284	283	
19 *	287	287	287	287	292	287	287	284	284	278	273	267	270	274	284	290	293	293	293	293	289	287	284	282	
20 *	282	281	283	287	293	293	286	283	277	267	263	264	264	267	277	284	287	291	287	287	285	285	281	280	
21	280	281	281	283	286	287	284	282	280	273	267	267	267	274	282	289	289	292	289	291	290	289	287	285	
22	280	281	282	283	282	283	281	277	273	269	257	252	252	257	275	277	287	293	290	287	287	285	285	281	
23	277	277	277	273	271	277	280	281	277	270	267	267	267	268	273	285	289	296	302	307	309	297	290	284	
24 **	280	277	272	277	284	263	252	259	265	274	267	264	265	277	287	297	302	307	309	307	303	301	297	293	
25	287	278	277	282	283	287	290	289	283	279	274	275	276	286	287	291	293	297	303	303	301	297	295	291	
26	284	275	268	277	283	285	287	286	280	272	273	273	272	273	276	277	285	292	295	297	293	294	292	289	
27	287	287	287	289	292	292	290	287	287	279	262	255	258	269	283	293	293	296	299	293	291	291	291	290	
28	283	283	284	287	291	292	287	285	282	280	272	261	264	273	282	287	289	293	297	295	293	288	287	287	
29 **	284	287	287	290	291	290	286	282	281	277	265	260	263	263	277	291	310	335	342	333	323	317	309	293	
30 **	274	263	250	217	213	254	282	290	291	294	294	287	292	298	303	316	319	319	314	316	310	302	301	294	
Mean	282	280	278	278	280	281	282	282	278	274	268	264	265	271	279	287	293	298	300	299	295	292	289	286	
Mean *	285	285	285	287	291	290	289	285	281	275	271	268	268	271	279	284	288	290	290	289	287	286	285	284	
Mean **	280	275	268	262	262	262	266	270	271	272	269	265	268	273	282	298	305	314	316	314	310	304	299	291	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
July	43000 γ + Tabular Quantities (in γ)																								
1	290	293	290	291	297	300	297	294	289	283	277	264	263	270	274	284	293	298	302	303	297	297	293	290	
2	289	289	289	289	290	290	292	294	292	287	280	277	277	280	284	284	285	294	300	300	293	287	287	286	
3	287	287	289	289	291	293	293	290	281	275	270	267	267	271	273	289	293	302	307	313	313	293	277	273	
4 **	264	225	255	274	275	279	284	294	293	287	282	275	277	284	290	304	314	324	327	328	317	303	298	293	
5	280	273	272	278	288	294	298	294	289	284	278	271	269	278	280	286	288	303	311	304	298	295	288	284	
6	287	285	278	284	288	288	285	284	283	278	275	268	268	274	281	291	298	305	305	304	296	294	293	288	
7	288	288	286	288	292	291	288	282	280	274	274	273	272	274	281	288	298	303	302	303	302	296	290	284	
8	282	282	284	289	293	294	294	293	289	280	274	268	269	270	277	287	293	298	299	298	293	291	291	289	
9	288	284	280	278	282	280	282	280	274	268	264	263	264	274	285	289	294	301	300	300	295	292	292	291	
10	288	287	288	290	293	292	293	288	284	279	279	279	281	279	280	291	297	304	305	304	300	293	291	290	
11 **	285	277	282	287	292	292	289	287	280	274	267	261	262	273	285	295	307	317	317	314	307	301	284	266	
12 **	265	254	222	224	230	233	250	265	268	268	263	261	273	281	293	306	317	321	327	326	320	308	304	293	
13	286	288	288	278	287	292	293	291	289	283	283	277	279	288	296	300	303	302	303	303	302	301	297	295	
14	291	287	287	291	293	294	294	296	293	292	288	279	271	276	284	292	297	297	303	302	299	297	288	287	
15	283	281	283	287	290	292	293	297	295	293	288	281	278	282	287	291	293	301	303	310	303	293	290	287	
16	286	283	283	287	290	290	287	293	287	281	284	281	279	277	278	283	289	297	300	298	295	293	290	288	
17 *	287	288	287	288	294	294	294	296	293	288	281	273	270	270	278	289	298	301	305	300	296	292	290	289	
18 *	287	285	282	285	290	290	290	289	286	282	278	268	269	276	283	290	293	298	298	296	293	291	290	289	
19 *	285	286	286	290	295	297	297	295	292	287	278	273	270	280	286	287	290	295	294	292	289	289	288	286	
20	283	283	283	287	292	293	294	291	288	279	275	268	265	273	282	287	292	292	294	299	296	293	289	286	
21	282	279	280	284	290	290	293	290	287	277	270	268	262	267	275	284	287	290	293	297	298	294	289	286	
22	280	283	280	275	281	284	284	283	278	273	273	262	263	266	271	278	284	290	294	300	295	291	288	285	
23 *	282	282	282	283	287	289	291	293	290	286	274	270	267	265	271	282	285	290	290	292	290	286	285	284	
24 **	283	283	281	280	281	280	275	271	269	266	257	262	268	273	279	284	289	297	304	313	306	292	283	282	
25 **	273	262	249	233	220	233	250	262	263	265	266	268	273	290	297	309	318	326	328	319	309	302	299	297	
26 *	294	293	294	296	300	299	295	291	285	284	280	279	278	280	288	293	297	299	299	299	298	298	295	293	
27	291	290	289	291	295	294	295	292	289	285	285	286	283	289	293	298	301	299	295	293	288	288	289	288	
28	288	278	266	268	279	283	283	282	280	278	274	269	268	274	282	288	291	291	290	289	289	288	288	289	
29	283	283	284	288	288	284	289	284	282	281	272	266	273	275	280	289	290	294	295	295	295	293	291	289	
30	284	285	286	283	282	284	286	286	280	279	272	270	269	270	278	286	291	293	293	293	291	288	284	284	
31	285	287	287	282	276	280	280	279	277	273	263	252	254	261	275	291	291	298	297	294	290	288	285	285	
Mean	284	281	280	281	285	286	287	287	284	280	275	270	270	275	282	290	295	301	303	303	298	294	290	287	
Mean *	287	287	286	288	293	294	293	293	289	285	278	273	271	274	281	288	293	297	297	296	293	291	290	288	
Mean **	274	260	258	260	260	263	270	276	275	272	267	265	271	280	289	300	309	317	321	320	312	301	294	286	
August	43000 γ + Tabular Quantities (in γ)																								
1	284	284	284	276	275	272	275	278	278	271	264	264	264	264	274	278	288	294	296	304	300	294	291	284	
2	283	282	280	275	283	284	284	285	279	275	270	259	257	259	273	287	295	300	305	312	298	294	291	287	
3	283	280	265	267	276	278	278	277	271	268	261	259	259	262	266	278	288	301	302	301	296	293	288	278	
4	280	280	278	280	283	282	282	281	278	278	274	272	271	274	281	294	299	298	298	300	294	291	284	284	
5	283	283	283	283	285	283	283	284	285	283	275	268	267	269	273	280	284	292	292	297	292	287	287	283	
6	274	273	274	276	280	283	287	286	282	277	273	269	267	267	270	277	278	285	287	287	287	287	284	282	
7 **	283	281	273	267	277	279	283	282	280	281	273	262	257	260	263	269	277	277	287	297	297	289	271	213	
8 **	203	173	235	259	270	255	233	230	263	280	278	282	285	291	298	306	309	310	311	311	307	303	301	293	
9	287	280	283	290	287	283	285	283	283	280	277	277	281	290	307	307	312	329	322	317	310	297	285	274	
10 **	267	279	285	287	283	282	287	287	287	283	282	283	287	293	297	314	327	324	324	327	300	296	292	274	
11	284	284	280	274	272	278	280	285	289	288	286	278	284	293	303	311	321	318	315	312	305	298	296	281	
12	280	275	278	268	271	284	291	292	291	294	288	288	288	291	293	301	313	312	308	308	306	298	295	288	
13	288	288	291	292	288	288	294	298	293	287	280	279	278	284	293	294	297	305	309	307	304	302	296	294	
14	292	290	289	290	288	288	291	292	285	282	278	274	274	278	293	298	295	295	293	295	293	293	288	288	
15	288	278	284	288	291	288	284	284	281	285	281	274	272	274	280	291	298	295	295	295	294	291	291	291	
16 *	288	288	287	288	292	293	292	289	287	280	276	268	266	274	280	288	295	298	295	295	291	288	287	288	
17 *	286	288	288	290	293	294	294	288	285	277	270	267	265	272	281	292	295	294	293	294	292	291	289	289	
18	288	288	288	288	287	286	286	285	283	280	272	267	268	272	282	292	298	304	308	314	312	298	293	294	
19 **	289	282	268	264	264	264	260	255	259	263	252	270	296	338	402	465	489	438	385	378	325	268	253	219	
20 **	196	135	104	119	157	175	232	272	294	308	329	344	344	348	350	351	338	332	327	325	320	318	315	315	
21	315	316	314	313	316	318	320	314	314	305	303	304	304	306	314	315	320	325	328	331	320	315	314	312	
22	308	308	304	304	310	311	314	314	314	310	303	295	294	298	306	311	313	316	316	311	309	308	308	306	
23	304	298	298	301	306	308	311	313	310	308	306	302	298	300	304	310	308	310	314	314	311	310	309	303	
24 *	300	303	303	303	305	308	309	311	309	304	296	296	297	305	308	314	313	311	308	305	305	304	304	304	
25 *	301	301	296	296	300	301	298	297	293	293	293	290	292	295	300	304	304	302	300	302	302	301	302	301	
26 *	298	298	298	299	300	300	300	301	298	293	290	285	288	297	301	305	305	301	296	297	296	296	296	297	
27	295	291	293	293	294	295	297	298	295	293	287	286	285	290	290	292	294	294	295	298	298	294	293	294	
28	294	294	296	295	297	296	298	298	292	284	278	275	281	287	291	298	294	294	295	300	302	303	291	288	
29	290	292	294	295	295	285	285	280	280	275	274	269	271	288	297	303	304	308	308	307	303	303	299	295	
30	278	282	284	288	290	291	294	290	286	283	282	280	281	291	298	304	308	313	308	306	302	298	296	294	
31	294	294	294	298	298	298	298	296	291	284	276	274	278	288	295	305	311	314	306	305	298	298	298	296	
Mean	283	280	280	281	284	285	287	288	288	286	282	279	281	287	296	304	309	309	307	308	302	297	293	287	
Mean *	295	296	294	295	298	299	299	297	294	289	285	281	282	289	294	301	302	301	298	299	297	296	296	296	
Mean **	248	230	233	239	250	251	259	265	277	283	283	288	294	306	322	341	348	336	327	328	310	295	286	263	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
September	43000 γ + Tabular Quantities (in γ)																								
1 *	293	293	293	295	296	298	298	296	291	287	278	273	274	283	293	295	300	301	301	300	298	298	294	290	
2	288	288	288	292	295	298	298	296	293	288	283	278	276	280	291	294	294	293	294	298	298	296	294	294	
3 **	293	293	291	285	284	288	291	288	288	285	277	274	278	284	298	322	341	344	364	374	341	318	294	266	
4 **	261	290	297	297	300	297	295	297	294	293	297	297	297	297	310	325	323	323	333	324	314	313	306	287	
5 **	279	257	269	286	293	286	282	286	287	293	302	297	299	309	308	314	327	330	327	313	298	293	283	283	
6 **	281	267	261	260	274	285	283	279	284	289	292	295	303	307	319	323	322	320	322	320	304	297	297	287	
7	280	288	293	293	297	299	300	300	298	297	293	297	298	304	307	310	307	304	305	304	304	304	299	297	
8	293	297	297	293	284	277	280	285	290	293	288	287	291	299	309	329	322	320	324	317	297	297	290	275	
9	278	283	269	270	286	290	293	293	293	295	290	290	291	297	297	297	301	301	300	303	303	297	294	297	
10	293	269	271	273	282	287	290	297	297	299	287	283	283	287	300	317	317	315	322	321	313	306	301	300	
11	290	286	289	281	277	287	291	292	293	293	290	283	287	293	299	302	307	306	304	307	300	298	296	290	
12	280	277	284	293	297	295	299	300	297	294	287	283	287	293	298	302	302	300	299	300	297	297	297	297	
13	297	294	294	296	297	297	297	292	289	285	283	282	283	288	290	297	301	304	314	317	312	307	307	303	
14 *	301	300	299	299	301	302	302	300	297	293	291	289	287	292	297	302	302	300	297	300	297	297	295	295	
15 *	292	293	294	295	297	300	302	297	296	292	284	280	284	287	289	297	297	297	295	297	297	293	293	292	
16	290	290	289	291	295	297	300	299	297	290	276	267	267	278	288	299	303	305	307	304	301	300	291	287	
17	283	287	289	289	287	285	287	290	284	286	282	280	277	279	282	298	323	323	325	317	313	306	299	293	
18	280	281	283	288	291	291	294	298	294	292	294	288	288	288	298	302	305	311	310	308	304	299	288	284	
19	275	271	278	285	290	292	294	294	294	293	286	284	292	291	292	298	298	298	301	302	303	303	288	270	
20	241	268	280	284	280	276	288	293	296	293	281	282	287	293	298	302	311	323	308	311	308	303	301	298	
21	296	288	288	291	292	294	298	300	298	294	290	286	285	290	292	298	300	301	301	301	298	298	295	294	
22 *	293	293	294	293	294	296	298	298	294	291	288	284	286	288	290	296	298	298	298	298	298	298	298	296	
23	293	293	293	293	294	294	295	292	292	287	278	280	281	285	292	301	309	313	307	307	312	300	297	295	
24 **	292	290	267	279	283	285	287	291	287	286	281	278	278	275	277	289	311	322	321	315	313	289	278	288	
25	282	282	289	289	290	290	296	294	289	283	274	272	277	287	297	318	338	331	319	312	304	302	273	265	
26	274	283	289	293	294	295	298	301	299	295	287	282	277	282	289	299	300	303	303	310	313	304	293	293	
27	293	293	293	294	297	298	300	301	299	297	295	293	290	291	294	302	303	303	305	303	301	299	297	295	
28	292	292	293	294	296	296	297	298	298	296	288	281	281	284	288	296	303	304	301	299	296	296	292	291	
29 *	289	291	292	294	294	295	296	296	292	286	279	273	274	279	284	290	294	296	296	296	293	293	292	290	
30	290	288	290	290	292	291	294	293	291	283	278	273	274	278	286	293	296	296	296	303	305	306	300	298	
Mean	285	286	287	289	291	292	294	295	293	291	286	283	284	289	295	304	309	310	310	309	305	300	294	290	
Mean *	294	294	294	295	296	298	299	297	294	290	284	280	281	286	291	296	298	298	297	298	297	296	294	293	
Mean **	281	279	277	281	287	258	288	288	288	289	290	288	291	294	302	315	325	328	333	329	314	302	292	282	
October	43000 γ + Tabular Quantities (in γ)																								
1 **	282	270	263	244	265	273	276	285	282	288	285	285	294	313	316	322	324	330	326	316	311	302	280	276	
2 **	285	290	290	264	270	282	290	295	294	299	299	304	310	316	311	336	366	351	346	322	301	283	286	276	
3	275	274	270	262	272	273	281	286	292	293	298	298	295	296	304	314	314	322	327	322	296	301	296	288	
4	270	264	282	285	284	282	281	293	297	302	303	297	297	313	310	327	341	333	327	317	303	307	305	297	
5	293	295	281	283	290	289	290	293	300	300	299	307	308	314	311	319	329	317	313	307	307	294	292	274	
6	272	283	291	294	299	299	299	297	295	296	292	294	289	287	290	302	315	325	321	321	319	314	303	289	
7	297	297	279	279	291	291	295	297	297	297	293	293	293	296	307	323	335	331	322	317	310	300	303	301	
8	288	280	283	290	293	293	297	305	305	305	297	294	297	300	301	309	309	307	304	305	303	301	299	300	
9	298	296	289	287	289	291	297	302	300	294	291	290	288	287	290	297	300	301	303	303	302	302	299	299	
10 *	297	295	294	293	295	295	297	299	297	294	287	283	287	290	292	297	299	299	300	300	299	299	297	295	
11	293	294	296	296	296	293	296	296	293	290	284	280	278	279	283	288	291	296	292	292	292	291	292	292	
12	292	289	288	281	278	276	286	291	292	290	281	281	284	291	294	299	301	301	302	306	306	301	291	293	
13	292	292	293	286	286	289	292	294	294	292	288	284	286	292	299	306	306	304	303	304	303	293	295	294	
14 **	292	288	271	276	282	289	291	293	288	282	274	272	276	284	296	312	355	352	342	331	326	306	304	289	
15	279	268	263	261	284	292	296	298	296	296	289	288	289	294	299	309	313	314	309	306	306	299	301	299	
16	289	284	286	289	293	292	292	298	296	289	286	287	296	308	334	329	331	333	336	326	319	314	308	297	
17	286	284	288	294	301	304	306	308	301	302	296	291	291	299	312	321	330	324	321	314	316	308	302	298	
18	296	296	296	299	300	302	304	303	302	296	294	294	289	292	296	305	309	308	306	306	303	301	299	299	
19 *	296	296	294	294	296	296	298	300	299	295	291	289	291	297	298	300	301	302	302	302	300	300	300	298	
20	292	292	293	293	296	296	298	300	299	294	288	284	284	289	293	296	296	299	301	302	298	297	296	291	
21 *	290	291	291	292	292	292	296	298	296	291	285	281	285	286	292	297	296	296	296	296	296	298	296	293	
22	292	292	290	290	290	289	288	291	296	292	287	286	286	286	289	288	294	306	306	302	302	303	302	300	
23	296	288	292	292	290	289	289	292	293	290	289	283	286	289	296	296	296	296	298	298	298	297	290	294	
24	293	286	286	288	291	291	290	291	291	288	284	282	286	293	299	299	298	296	297	296	296	295	296	296	
25 *	296	294	293	293	293	293	293	294	294	292	291	288	291	294	296	296	296	295	295	293	294	294	294	291	
26	290	289	290	292	292	292	293	294	292	289	286	289	292	292	293	293	296	295	294	298	296	298	296	293	
27 *	293	292	292	292	292	292	292	292	292	290	286	286	286	290	293	294	294	294	293	293	293	293	294	294	
28 **	292	289	286	277	279	282	282	284	283	278	281	279	290	309	326	351	356	374	404	379	306	307	288	257	
29 **	277	276	271	276	289	296	299	306	306	314	308	303	309	312	334	364	358	342	332	324	309	288	273	264	
30	250	242	249	251	253	266	275	284	282	284	284	290	296	301	316	329	326	325	316	312	296	299	297	286	
31	283	286	266	276	286	289	288	293	296	296	296	309	316	331	333	326	332	324	322	311	303	293	288	292	
Mean	288	286	284	283	287	289	292	295	295	293	290	289	292	297	303	311	316	316	315	310	304	299	296	290	
Mean *	294	294	293	293	294	294	295	297	296	292	288	285	288	291	294	297	297	297	297	297	296	297	296	294	
Mean **	286	283	276	267	277	284	288	293	291	292	289	289	296	307	317	337	352	350	350	334	311	297	286	272	

* International Quiet Day. ** International Disturbed Day.

TABLE III. - HOURLY MEANS OF VERTICAL COMPONENT OF MAGNETIC INTENSITY

U.T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
November	43000 γ + Tabular Quantities (in γ)																								
1 **	296	291	286	276	286	293	296	296	301	302	298	303	322	323	338	359	352	334	329	307	308	309	303	294	
2	289	289	291	293	298	299	302	303	304	308	310	311	309	310	318	328	323	313	312	311	310	309	306	305	
3	302	301	297	297	295	299	301	307	309	307	302	297	299	301	304	307	307	307	307	305	306	303	299	297	
4 **	295	291	290	287	285	283	283	289	290	301	304	307	317	329	352	373	395	374	348	330	324	320	317	312	
5	309	302	302	303	304	304	305	307	307	302	302	301	301	303	305	306	307	307	311	310	311	309	303	301	
6 *	301	301	301	302	301	302	300	302	301	297	293	292	294	297	301	302	303	301	302	303	304	304	303	302	
7 *	300	299	297	297	297	297	297	297	298	297	292	292	293	294	296	297	299	298	298	299	301	301	301	301	
8	300	299	297	291	292	293	293	294	297	293	290	290	292	293	295	295	297	300	302	302	302	300	301	301	
9	300	298	298	295	294	294	293	294	293	294	298	298	298	298	303	300	300	298	298	303	306	308	307	305	
10	308	304	299	296	295	296	293	293	293	295	298	302	312	322	334	324	321	329	336	331	324	317	312	310	
11	298	291	293	293	294	298	302	302	300	297	298	299	304	308	314	317	321	316	309	308	308	305	300	298	
12	297	293	292	292	292	292	292	292	296	293	293	293	293	296	307	318	325	315	311	311	313	308	299	288	
13	284	291	295	298	291	293	290	290	295	290	288	288	291	298	308	313	318	309	311	304	299	304	302	292	
14	289	291	288	294	295	298	300	301	300	298	298	298	300	299	304	310	314	310	308	308	308	305	303	301	
15 *	298	298	298	298	298	298	299	301	301	298	295	296	298	298	298	298	300	301	301	301	301	302	300	300	
16	296	296	296	296	296	298	298	298	298	294	291	290	290	288	294	295	298	298	297	298	301	302	304	304	
17	301	300	298	298	295	296	296	294	294	290	286	284	285	285	291	297	299	300	301	302	299	294	295	297	
18	297	295	295	295	294	294	294	295	293	290	287	289	288	290	296	298	298	298	298	302	302	303	301	301	
19 *	299	296	295	295	295	294	293	294	296	293	293	293	294	296	298	298	298	298	298	298	298	298	298	298	
20 *	298	298	295	294	294	295	292	293	291	290	290	290	291	291	294	295	298	295	298	298	298	299	300	298	
21	296	294	295	294	293	294	294	293	291	289	288	284	288	293	294	292	295	293	292	291	294	298	294	294	
22	295	294	294	293	293	294	294	292	291	290	288	288	290	290	294	295	304	311	311	314	313	308	306	290	
23	297	298	300	300	300	298	298	298	294	294	294	291	294	296	297	298	301	301	300	301	301	302	298	295	
24	294	293	294	294	294	294	294	294	292	290	290	289	288	290	294	294	297	295	312	322	323	315	309	301	
25 **	254	274	289	291	286	285	282	284	286	290	289	294	310	312	308	312	314	311	305	306	308	310	306	300	
26 **	298	295	288	269	272	281	284	288	287	288	299	301	305	315	338	336	338	348	335	323	298	291	294	288	
27 **	278	271	279	271	278	288	288	292	292	294	294	303	310	311	326	321	321	322	316	318	304	300	288	291	
28	285	278	271	275	281	281	291	295	294	295	298	295	305	321	328	321	320	321	318	316	294	289	295	292	
29	288	277	288	288	294	296	298	300	300	300	301	303	302	303	311	310	310	308	313	311	312	296	290	294	
30	294	292	292	292	296	297	299	300	299	300	300	298	298	299	300	301	304	305	311	311	308	298	298	298	
Mean	295	293	293	292	293	294	295	296	296	295	295	295	299	302	308	310	313	311	310	308	306	304	301	298	
Mean *	299	298	297	297	297	297	296	297	297	295	293	293	294	295	297	298	300	299	299	300	300	301	300	300	
Mean **	284	284	286	279	281	286	287	290	291	295	297	302	313	318	332	340	344	338	327	317	308	306	302	297	
December	43000 γ + Tabular Quantities (in γ)																								
1 *	298	298	296	296	296	298	294	294	294	292	294	291	294	297	298	299	303	303	303	302	301	300	298	295	
2	295	294	294	293	292	294	292	293	296	296	296	293	298	298	301	304	307	307	304	303	303	300	298	298	
3	296	296	295	293	292	292	293	292	294	291	291	288	288	293	298	295	298	298	298	298	299	301	298	295	
4 *	294	294	294	294	292	293	290	291	291	293	295	295	297	298	300	300	301	301	305	306	311	309	305	301	
5	301	300	297	295	293	294	293	293	293	293	293	295	288	293	294	295	294	295	301	315	315	311	306	299	
6	298	296	295	295	291	291	291	289	286	286	293	291	298	301	308	309	308	306	304	304	306	302	303	301	
7	298	296	288	287	290	293	293	293	291	288	290	290	289	291	295	296	296	294	296	300	304	303	300	294	
8	294	294	293	293	291	290	291	289	288	284	284	282	283	286	291	297	300	301	305	301	301	298	296	287	
9	287	291	294	294	292	293	290	292	291	289	288	285	290	298	300	302	303	302	299	297	298	297	297	296	
10	294	294	293	293	292	292	289	289	292	288	288	290	292	295	298	298	299	296	296	296	299	295	295	294	
11 *	294	294	294	295	295	297	294	293	288	285	286	285	286	286	291	294	296	296	298	298	296	295	293	290	
12	291	294	295	294	294	293	291	283	280	283	282	283	285	288	290	291	294	295	295	309	317	305	296	290	
13 **	288	280	292	290	282	288	293	295	295	297	295	296	298	299	310	311	314	316	321	318	324	318	311	288	
14 **	276	273	283	278	284	296	300	300	298	294	290	290	290	294	298	301	305	305	314	315	318	297	298	301	
15	301	303	304	304	302	303	304	300	298	298	292	288	291	294	300	303	303	300	303	313	310	308	304	298	
16	298	298	300	300	298	296	297	293	291	289	290	293	297	298	298	298	300	302	298	298	300	301	299	298	
17	298	298	298	298	298	295	295	295	295	294	295	295	294	293	294	295	298	298	299	299	301	301	298	299	
18	298	298	298	297	295	298	297	296	294	294	293	292	291	294	298	299	299	299	306	308	304	301	301	301	
19	300	296	296	296	295	297	295	294	294	292	294	296	296	293	296	297	298	298	304	304	305	304	301	298	
20	298	298	297	296	296	296	294	294	288	291	292	297	295	292	294	294	298	297	297	301	299	297	300	288	
21 *	292	294	294	293	293	294	294	291	288	288	289	292	288	288	289	294	299	299	296	296	297	296	297	297	
22 **	294	291	292	292	291	292	291	288	284	284	283	284	284	287	298	312	329	332	352	362	327	327	323	305	
23 **	297	293	285	288	294	296	289	292	290	299	306	307	306	312	314	314	318	322	314	311	310	311	311	300	
24 **	289	288	292	291	293	293	294	296	294	293	298	300	298	303	306	310	339	332	329	313	306	296	295	293	
25	283	281	284	283	283	288	290	292	293	293	297	297	300	311	316	325	320	313	313	311	302	302	290	286	
26	293	290	283	281	283	287	288	293	295	298	307	306	310	313	316	318	318	315	311	305	308	306	302	301	
27	295	292	289	288	290	290	293	295	293	298	301	298	300	300	301	306	308	308	308	310	308	296	296	300	
28	298	300	298	296	298	298	298	298	292	292	295	296	298	301	305	304	304	305	308	306	305	305	303	302	
29	299	298	298	297	298	299	300	301	300	301	302	302	302	302	298	298	301	303	303	303	304	302	300	298	
30	296	296	296	296	298	297	295	295	292	295	296	298	299	297	297	297	299	301	301	300	300	298	293	293	
31 *	292	294	292	292	293	293	294	294	293	293	296	297	296	295	295	295	295	293	295	294	294	294	293	295	
Mean	294	294	294	293	293	294	294	293	292	292	293	293	294	296	300	302	305	304	306	306	305	302	300	296	
Mean *	294	295	294	294	294	295	293	293	291	290	292	292	292	293	295	296	299	298	299	299	300	299	297	296	
Mean **	289	285	289	288	289	293	293	294	292	293	294	295	295	299	305	310	321	321	326	324	317	310	308	297	

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
January	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	24.3	12 20	28.6	20.2	2 29	8.4	626	18 5	645	607	10 47	38	277	20 44	286	270	5 50	16
2	23.5	13 12	28.0	17.1	2 46	10.9	625	18 5	640	601	9 35	39	279	10 16	286	274	6 57	12
3	24.0	12 45	30.8	19.9	22 43	10.9	631	22 42	664	606	10 33	58	277	10 38	284	270	12 4	14
4	23.7	15 28	29.5	16.0	21 14	13.5	625	15 27	652	606	10 40	46	278	20 9	291	269	8 17	22
5 *	24.2	12 18	29.5	21.6	21 10	7.9	629	7 7	650	614	12 40	36	275	16 18	284	266	11 59	18
6	24.1	12 51	28.7	19.8	23 33	8.9	629	3 35	652	596	18 4	56	275	18 42	296	264	8 16	32
7	23.8	12 14	28.7	18.4	19 25	10.3	624	19 42	649	604	12 45	45	275	19 27	289	263	12 45	26
8 *	23.8	13 24	27.1	21.9	8 9	5.2	630	13 49	646	614	9 45	32	275	18 35	282	270	13 30	12
9	24.5	12 43	29.1	20.5	0 36	8.6	638	4 14	664	613	9 50	51	271	19 37	281	256	4 33	25
10	24.3	1 9	28.7	20.8	23 25	7.9	637	23 33	683	617	2 51	66	272	20 18	283	261	12 16	22
11	23.9	14 4	28.5	15.0	22 18	13.5	632	22 31	660	617	0 49	43	274	20 37	285	262	0 11	23
12	24.0	18 9	29.6	19.0	22 32	10.6	631	14 35	646	613	10 38	33	276	19 56	291	265	12 17	26
13	24.9	17 58	30.9	20.8	0 2	10.1	633	14 30	655	613	1 30	42	276	19 53	291	267	8 58	24
14 **	23.4	12 56	31.2	10.0	20 25	21.2	630	10 7	661	596	18 45	65	275	20 35	293	261	13 11	32
15	23.5	12 44	28.2	19.7	20 37	8.5	622	7 34	646	575	12 10	71	277	17 27	288	269	7 13	19
16	23.6	13 27	27.4	13.6	22 3	13.8	625	22 13	660	604	11 37	56	273	20 26	286	259	12 28	27
17 *	23.7	12 59	28.7	18.4	20 44	10.3	628	6 40	644	610	10 20	34	274	19 26	285	263	12 30	22
18 *	23.4	13 44	26.1	19.2	22 10	6.9	633	3 22	660	611	11 44	49	270	17 26	278	261	9 19	17
19	23.3	17 46	29.4	13.5	21 30	15.9	627	7 5	666	564	21 14	102	275	22 22	299	261	12 4	38
20 **	23.7	13 52	34.9	14.2	0 38	20.7	606	5 45	635	557	17 21	78	282	17 17	317	265	4 34	52
21 **	23.5	13 38	29.7	13.0	20 29	16.7	619	1 52	645	576	11 43	69	278	17 30	302	267	2 14	35
22	23.3	13 21	27.8	18.1	2 19	9.7	622	0 40	658	587	11 30	71	274	17 11	286	264	2 21	22
23	24.2	13 47	28.0	20.1	23 54	7.9	635	22 15	657	620	10 41	37	273	16 19	281	263	12 58	18
24 **	23.4	16 36	41.4	-1.1	21 22	42.5	606	14 54	665	497	19 50	168	293	16 53	398	262	10 59	136
25 **	23.3	13 51	32.7	12.3	0 7	20.4	588	21 27	627	545	13 2	82	290	15 42	310	271	7 16	39
26	23.2	13 52	30.8	18.3	2 4	12.5	612	19 57	632	587	15 6	45	282	18 42	298	271	10 59	27
27	22.4	13 21	30.7	13.3	24 0	17.4	610	8 22	634	588	13 30	46	285	21 37	300	272	12 46	28
28	22.9	14 5	30.1	12.8	0 5	17.3	614	17 4	648	594	17 33	54	284	16 55	302	267	10 22	35
29 *	22.7	14 2	27.6	18.5	3 14	9.1	615	18 4	634	605	5 14	29	283	20 44	292	272	9 58	20
30	22.3	18 31	26.8	9.9	20 39	16.9	618	1 31	644	579	20 23	65	283	20 48	302	268	8 39	34
31	23.3	15 10	27.6	16.6	21 52	11.0	621	17 59	641	603	11 30	38	282	21 43	294	270	12 26	24
Mean	23.6	-	29.6	16.5	-	13.1	623	-	650	594	-	56.3	278	-	295	266	-	28.9
Mean *	23.6	-	27.8	19.9	-	7.9	627	-	647	611	-	36.0	275	-	284	266	-	17.8
Mean **	23.5	-	34.0	9.7	-	24.3	610	-	647	554	-	92.4	284	-	324	265	-	58.8
February	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	23.5	13 19	30.0	20.1	8 1	9.9	624	5 27	650	600	11 16	50	281	16 20	296	268	11 2	28
2	24.0	15 20	32.3	16.5	9 0	15.8	614	6 34	651	566	8 35	85	291	16 34	338	269	8 11	69
3	23.0	11 1	29.6	10.4	20 10	19.2	609	23 26	657	578	10 40	79	294	18 47	325	277	10 1	48
4	22.8	13 10	29.4	8.8	20 46	20.6	619	20 54	662	560	15 54	102	290	16 19	324	278	12 3	46
5	22.8	4 31	28.9	16.8	18 1	12.1	619	20 5	637	600	3 30	37	282	18 12	296	269	11 46	27
6	23.5	14 6	27.5	20.1	8 57	7.4	630	6 41	657	607	16 22	50	282	17 20	292	273	12 3	19
7	23.2	4 8	29.2	13.4	22 49	15.8	628	22 34	682	603	13 20	79	280	18 36	300	261	22 50	39
8	23.0	14 53	31.3	16.6	23 59	14.7	617	23 55	648	595	17 32	53	283	20 38	304	269	11 3	35
9	22.8	14 42	28.9	12.6	0 49	16.3	620	20 42	675	600	16 20	75	283	20 36	305	269	11 30	36
10 *	23.3	14 5	28.0	20.7	22 8	7.3	626	22 8	641	607	12 21	34	283	17 27	293	272	12 22	21
11	23.1	12 29	28.9	17.6	23 9	11.3	635	19 56	650	618	10 47	32	276	8 20	289	268	14 10	21
12	23.0	13 16	29.2	17.6	0 7	11.6	631	16 36	646	616	10 27	30	277	20 36	287	272	12 20	15
13 *	23.3	14 20	28.1	19.1	9 16	9.0	634	7 10	650	605	11 41	45	277	7 47	286	269	10 14	17
14	23.8	13 41	29.2	20.3	9 35	8.9	636	6 31	652	612	11 40	40	275	19 38	286	269	11 1	17
15	23.8	14 13	30.3	19.7	8 13	10.6	632	0 32	650	609	11 54	41	276	20 22	290	260	11 53	30
16 *	23.1	13 48	28.8	20.3	8 55	8.5	634	22 49	656	605	11 17	51	275	0 22	285	262	10 59	23
17 *	23.8	14 5	30.2	19.1	9 11	11.1	638	7 55	649	622	11 40	27	271	18 34	280	253	10 59	27
18	23.5	14 0	29.0	19.6	9 38	9.4	642	23 11	667	625	11 25	42	270	18 30	278	255	13 10	23
19	23.5	13 58	28.9	18.7	9 3	10.2	645	23 44	673	631	11 12	42	265	8 27	277	245	12 20	32
20 **	20.9	18 24	47.8	-72.2	21 9	120.0	613	21 3	725	302	23 31	423	290	21 4	562	246	23 32	316
21 **	18.7	12 30	30.5	-3.4	2 32	33.9	559	22 48	622	456	2 1	166	295	15 5	352	200	3 34	152
22 **	20.1	14 22	29.3	4.1	18 10	25.2	586	0 22	617	561	19 36	56	299	18 11	330	281	0 47	49
23 **	21.1	13 36	38.0	-8.4	22 45	46.4	580	18 44	652	512	21 18	140	302	16 54	350	255	23 32	95
24 **	19.6	6 42	28.9	4.5	3 31	24.4	588	3 37	668	534	0 0	134	279	20 48	306	226	3 45	80
25	22.1	12 9	27.1	10.2	1 2	16.9	611	8 15	653	572	12 43	81	284	17 35	299	268	3 34	31
26 *	22.4	14 20	27.6	18.8	9 40	8.8	614	20 5	629	589	12 24	40	286	16 10	294	273	11 17	21
27	22.9	14 27	28.9	19.0	9 40	9.9	626	19 48	644	603	11 6	41	285	14 27	296	272	11 56	24
28	22.7	13 30	30.2	19.7	23 34	10.5	619	6 41	646	582	12 2	64	285	16 19	299	276	8 17	23
Mean	22.6	-	30.2	11.4	-	18.8	619	-	654	578	-	76.4	283	-	311	263	-	48.7
Mean *	23.2	-	28.5	19.6	-	8.9	629	-	645	606	-	39.4	278	-	288	266	-	21.8
Mean **	20.1	-	34.9	-15.1	-	50.0	585	-	657	473	-	183.8	293	-	380	242	-	138.4

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
March	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1	22.8	12 12	29.4	19.4	4 58	10.0	620	2 27	639	591	11 20	48	284	9 12	293	271	2 48	22
2	22.5	14 31	26.4	20.3	9 10	6.1	622	6 52	642	600	11 54	42	282	16 35	299	272	11 53	27
3	22.8	12 44	30.7	19.5	8 19	11.2	623	6 6	639	599	16 53	40	283	16 18	302	269	11 51	33
4 *	23.0	13 36	31.5	19.1	9 55	12.4	626	23 1	645	603	13 59	42	281	17 5	291	266	11 52	25
5	22.8	14 8	28.2	19.5	8 27	8.7	630	20 50	647	615	12 6	32	277	0 4	289	263	11 57	26
6	22.1	14 0	31.2	13.3	22 21	17.9	625	1 11	658	601	18 41	57	281	18 35	304	263	11 56	41
7	22.3	11 37	31.8	14.6	1 26	17.2	608	0 36	659	565	11 15	94	281	16 27	306	254	11 12	52
8	21.8	12 31	27.9	17.3	9 9	10.6	620	23 38	652	598	11 33	54	282	18 38	293	263	12 45	30
9	22.1	13 57	28.4	18.2	0 39	10.2	627	19 50	645	605	15 38	40	279	18 18	294	257	12 28	37
10 *	22.5	13 25	29.2	18.5	8 57	10.7	631	7 41	648	605	11 32	43	276	19 42	288	253	11 59	35
11 *	22.6	13 58	29.4	17.7	8 48	11.7	633	19 52	647	618	22 2	29	274	22 35	290	250	11 47	40
12 *	23.2	13 51	31.6	17.8	8 22	13.8	633	14 54	645	616	10 26	29	277	16 49	290	260	12 34	30
13	22.9	13 40	29.4	17.9	8 46	11.5	635	7 35	650	615	19 15	35	279	19 26	297	261	11 59	36
14	23.2	14 16	29.5	17.9	8 14	11.6	640	18 48	678	616	19 10	62	273	18 36	289	252	12 21	37
15 **	20.6	13 42	30.4	1.8	3 46	28.6	622	3 10	686	599	13 4	87	277	18 35	294	250	3 35	44
16	22.4	13 44	27.8	18.3	9 29	9.5	628	6 30	652	610	17 15	42	279	16 19	293	263	12 14	30
17	22.4	13 22	29.4	15.3	21 15	14.1	628	21 21	649	598	9 27	51	278	18 30	292	266	12 4	26
18 *	22.6	13 31	30.8	17.8	9 22	13.0	631	6 3	650	599	11 14	51	274	20 35	287	254	11 57	33
19 **	22.7	15 12	36.7	8.2	17 41	28.5	575	6 33	687	443	11 37	244	309	17 31	434	257	10 0	177
20	20.5	12 46	27.2	15.8	7 59	11.4	582	19 6	627	563	10 36	64	300	18 21	323	278	12 3	45
21 **	21.2	13 30	32.7	11.5	20 29	21.2	590	4 53	636	540	12 17	96	301	15 53	353	272	9 58	81
22 **	20.8	13 54	29.7	13.9	1 48	15.8	606	18 47	645	568	10 26	77	290	20 16	314	270	5 41	44
23	21.8	12 26	29.7	17.0	23 54	12.7	612	23 30	638	582	12 40	56	291	17 20	302	271	12 0	31
24	23.1	13 28	30.6	14.7	1 48	15.9	606	2 22	670	562	10 40	108	287	17 19	320	246	2 58	74
25	21.1	13 7	28.9	14.8	2 11	14.1	613	5 24	645	586	10 18	59	289	16 35	303	273	10 59	30
26	21.9	12 8	30.8	14.7	23 6	16.1	623	21 26	654	590	9 28	64	286	22 37	305	268	11 22	37
27 **	20.4	14 0	29.6	4.3	20 52	25.3	620	2 18	697	570	21 28	127	288	16 35	334	252	3 3	82
28	21.5	12 57	28.6	14.5	9 0	14.1	618	21 29	651	571	10 57	80	290	16 19	300	276	10 58	24
29	22.2	13 30	31.2	9.8	7 25	21.4	628	7 45	652	591	11 20	61	282	18 26	298	259	12 53	39
30	22.0	13 6	30.0	15.6	8 36	14.4	627	23 21	645	595	10 41	50	283	7 48	296	261	11 56	35
31	23.2	13 58	32.7	14.7	22 57	18.0	630	13 29	657	588	22 49	69	286	16 44	322	251	11 23	71
Mean	22.2	-	30.0	15.3	-	14.8	620	-	653	587	-	65.6	284	-	306	262	-	44.3
Mean *	22.8	-	30.5	18.2	-	12.3	631	-	647	608	-	38.8	276	-	289	257	-	32.6
Mean **	21.1	-	31.8	7.9	-	23.9	603	-	670	544	-	126.2	293	-	346	260	-	85.6
April	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1 **	19.8	12 47	32.0	9.7	21 59	22.3	616	20 48	682	576	13 31	106	282	19 59	315	249	21 20	66
2 **	20.5	13 46	29.9	11.7	21 40	18.2	612	23 13	682	568	10 19	114	280	17 50	325	255	2 30	70
3 **	21.4	13 54	34.0	4.8	20 49	29.2	612	21 2	683	550	11 10	133	289	18 40	334	264	21 39	70
4	23.6	12 52	35.1	13.2	17 57	21.9	607	6 6	653	553	11 33	100	290	17 11	348	262	5 14	86
5 **	21.8	13 23	37.4	5.8	23 18	31.6	605	18 12	712	555	23 18	157	299	18 8	389	263	3 10	126
6	19.5	14 13	30.7	8.1	19 37	22.6	603	20 9	661	540	12 17	121	293	18 20	325	270	24 0	55
7	20.7	13 47	31.6	13.0	1 41	18.6	612	20 51	659	553	12 30	106	288	16 10	310	259	0 46	51
8	20.8	14 7	30.4	13.7	7 20	16.7	621	1 51	641	588	12 17	53	286	17 28	304	257	12 0	47
9	21.2	13 52	31.8	13.2	8 20	18.6	624	22 3	648	592	11 19	56	282	18 10	297	255	11 15	42
10	21.3	13 21	31.9	14.0	8 6	17.9	630	22 42	668	602	12 1	66	278	21 20	298	255	12 1	43
11 *	21.2	13 40	29.8	12.5	8 18	17.3	627	22 4	659	591	11 17	68	282	17 18	300	259	11 10	41
12	21.8	13 20	27.9	14.7	8 43	13.2	629	4 21	672	554	11 40	118	277	17 43	297	248	11 32	49
13	22.0	12 59	30.5	15.2	7 55	15.3	628	23 50	649	592	11 15	57	280	16 35	294	257	10 58	37
14 *	21.0	13 40	29.5	14.8	7 55	14.7	634	20 36	652	609	11 20	43	280	20 26	293	254	11 57	39
15	21.8	12 30	31.1	14.4	6 48	16.7	631	17 35	655	564	13 6	91	277	17 34	295	241	11 59	54
16	20.7	14 41	28.3	11.1	23 57	17.2	629	23 35	656	603	12 27	53	281	19 11	302	248	11 41	54
17	19.9	12 28	31.3	11.0	0 1	20.3	631	16 0	661	603	10 11	58	285	19 19	311	261	11 32	50
18	19.7	13 31	30.5	12.3	7 23	18.2	627	18 5	675	593	9 29	82	283	18 36	308	258	12 22	50
19	21.7	15 49	33.3	13.7	23 28	19.6	624	4 54	665	582	11 2	83	287	17 25	338	263	11 21	75
20	20.5	4 1	30.0	14.1	22 32	15.9	620	18 23	669	578	10 20	91	280	20 24	316	243	5 0	73
21 *	20.9	14 29	27.2	14.2	8 46	13.0	618	18 23	645	576	11 32	69	286	7 55	308	265	12 45	43
22	21.9	13 58	30.3	13.4	9 15	16.9	639	16 48	663	599	12 10	64	276	7 39	294	250	11 58	44
23	20.9	13 33	32.6	13.8	7 41	18.8	644	5 48	684	592	12 28	92	274	18 11	298	239	11 47	59
24	21.6	13 59	29.2	13.0	8 12	16.2	624	17 31	684	561	10 53	123	273	17 30	320	233	2 30	87
25	21.2	13 31	28.3	13.6	8 50	14.7	627	17 54	647	502	8 25	145	278	17 27	295	251	12 33	44
26 *	21.7	13 46	29.8	15.7	7 50	14.1	627	20 30	650	585	11 53	65	280	18 26	295	251	12 5	44
27 *	20.9	14 11	29.6	13.3	8 43	16.3	638	20 48	678	605	10 45	73	279	20 48	293	251	12 32	42
28	20.5	13 54	30.7	13.7	8 38	17.0	634	23 57	672	602	14 28	70	284	18 26	317	250	12 2	67
29	21.6	13 8	35.5	13.7	0 29	21.8	626	0 34	663	594	10 30	69	289	16 15	329	259	11 22	70
30 **	21.4	15 6	33.0	7.6	3 53	25.4	618	17 42	668	562	10 17	106	294	17 43	374	253	3 46	121
Mean	21.1	-	31.1	12.4	-	18.7	624	-	665	577	-	87.7	283	-	314	254	-	60.0
Mean *	21.1	-	29.2	14.1	-	15.1	629	-	657	593	-	63.6	281	-	298	256	-	41.8
Mean **	21.0	-	33.3	7.9	-	25.3	613	-	685	562	-	123.2	289	-	347	257	-	90.6

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
May	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1	20.5	13 40	30.2	10.5	7 20	19.7	620	20 59	657	579	9 19	78	288	5 3	306	257	12 52	49
2	21.0	13 21	33.1	9.1	23 59	24.0	628	15 56	687	592	9 46	95	292	18 26	337	255	12 3	82
3 **	19.6	13 53	30.6	7.7	4 49	22.9	615	20 39	705	535	10 23	170	278	19 36	323	238	4 37	85
4	19.6	14 20	29.5	9.1	22 4	20.4	623	18 51	685	578	10 15	107	286	18 52	328	259	11 45	69
5	19.6	12 32	27.8	12.4	0 0	15.4	621	21 25	671	566	10 24	105	283	18 12	310	253	0 34	57
6	20.1	13 47	30.3	13.5	7 56	16.8	623	17 34	664	584	12 22	80	288	18 34	316	258	11 51	58
7	20.0	13 31	27.1	13.2	6 41	13.9	629	23 49	654	600	9 16	54	283	17 44	304	259	12 16	45
8 *	20.6	12 47	28.8	12.7	7 35	16.1	632	18 55	661	598	12 39	63	279	18 27	298	246	11 59	52
9 *	20.5	13 32	26.9	14.1	7 40	12.8	635	18 50	661	611	14 20	50	281	18 35	296	259	11 54	37
10	20.4	13 25	31.2	11.1	7 0	20.1	636	21 24	674	594	12 39	80	277	19 36	296	246	12 40	50
11	20.7	13 21	33.0	11.0	6 56	22.0	635	19 47	676	592	15 32	84	278	19 37	297	250	10 21	47
12 *	21.5	13 26	29.3	15.4	6 51	13.9	643	20 36	668	624	11 38	44	279	18 13	303	248	12 40	55
13	20.5	14 7	28.8	13.7	5 36	15.1	644	4 6	668	622	15 30	46	279	20 40	299	255	11 32	44
14	20.4	12 41	31.4	13.7	7 15	17.7	636	23 8	679	608	12 30	71	284	18 35	318	258	12 21	60
15 **	20.6	14 21	30.5	11.4	22 42	19.1	633	18 53	729	585	8 31	144	279	18 53	322	247	11 48	75
16	21.3	12 41	31.7	14.5	7 16	17.2	631	23 23	668	594	7 27	74	280	18 5	315	245	11 21	70
17	20.7	13 21	29.8	14.0	6 40	15.8	635	20 51	661	614	8 41	47	283	17 26	308	253	12 13	55
18 *	20.8	14 20	28.8	14.4	7 19	14.4	635	18 47	659	611	10 53	48	283	18 36	301	255	11 56	46
19 *	21.1	14 31	29.1	13.7	7 50	15.4	641	16 38	680	619	9 40	61	278	5 28	294	238	11 47	56
20	21.1	13 32	29.1	13.3	8 40	15.8	647	18 59	683	614	14 6	69	279	18 56	299	246	11 52	53
21	20.7	14 46	28.4	13.8	7 21	14.6	638	19 24	668	593	10 23	75	280	18 12	301	259	12 17	42
22	20.5	12 41	32.7	11.0	7 54	21.7	652	21 49	708	563	13 14	145	276	17 39	298	242	11 40	56
23 **	21.1	15 5	36.0	8.0	8 43	28.0	640	17 42	695	586	11 41	109	291	17 29	365	238	10 24	127
24	19.7	14 52	26.2	11.2	7 52	15.0	626	0 10	668	589	13 16	79	281	18 35	300	259	10 41	41
25	20.7	15 51	30.8	11.2	7 10	19.6	642	18 12	675	620	16 8	55	282	16 36	308	255	12 4	53
26	20.6	14 54	30.8	10.2	7 13	20.6	633	19 53	671	587	9 10	84	280	19 52	303	255	12 15	48
27 **	20.1	14 10	31.1	8.0	23 0	23.1	637	16 43	707	577	22 46	130	281	16 46	329	225	22 46	104
28 **	19.0	12 20	31.5	-6.4	2 9	37.9	600	20 1	683	503	9 1	180	263	19 27	322	154	5 18	168
29	18.9	13 26	31.9	9.6	3 12	22.3	621	22 30	661	568	10 14	93	290	18 50	311	270	12 24	41
30	20.6	14 49	29.2	13.8	7 56	15.4	628	18 37	663	584	15 52	79	282	16 19	308	251	3 49	57
31	20.5	13 54	30.7	13.5	8 36	17.2	631	22 0	689	605	9 19	84	284	18 24	299	261	12 15	38
Mean	20.4	-	30.2	11.4	-	18.8	632	-	677	590	-	86.7	281	-	310	248	-	61.9
Mean *	20.9	-	28.6	14.1	-	14.5	637	-	666	613	-	53.2	280	-	298	249	-	49.2
Mean **	20.1	-	31.9	5.7	-	26.2	625	-	704	557	-	146.6	278	-	332	220	-	111.8
June	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ+	U.T. h m	18000 γ+	18000 γ+	U.T. h m	γ	43000 γ+	U.T. h m	43000 γ+	43000 γ+	U.T. h m	γ
1	19.6	15 53	30.1	10.4	6 26	19.7	640	15 28	680	608	7 53	72	279	17 35	303	248	11 42	55
2	18.1	15 6	27.7	7.4	2 2	20.3	630	0 25	684	580	9 31	104	272	17 41	306	247	12 18	59
3	20.0	15 6	30.6	12.4	6 55	18.2	635	16 9	686	589	11 10	97	285	19 36	320	255	11 11	65
4	21.3	13 33	28.1	14.6	8 30	13.5	635	20 9	657	603	10 10	54	280	19 9	296	257	11 35	39
5	21.0	14 33	28.1	14.1	7 57	14.0	638	18 43	670	606	10 34	64	281	18 36	303	251	12 2	52
6 **	21.2	16 14	33.9	11.7	7 18	22.2	635	15 36	734	555	14 8	179	274	15 35	321	239	5 23	82
7 *	19.8	17 7	26.0	14.8	7 20	11.2	635	18 55	665	612	8 39	53	286	6 49	301	267	13 5	34
8	20.0	14 2	27.4	13.5	23 30	13.9	646	21 40	677	623	13 29	54	282	19 35	298	258	12 8	40
9 **	19.0	12 45	28.8	8.0	1 7	20.7	635	5 4	674	595	13 20	79	279	19 43	307	254	5 28	53
10	19.0	12 23	29.2	9.8	4 20	19.4	634	19 3	673	593	10 47	80	282	17 32	308	246	4 6	62
11	19.0	14 21	26.1	12.8	8 56	13.3	633	23 59	668	613	13 2	55	284	19 11	305	262	11 2	43
12	19.5	14 59	26.2	13.5	6 57	12.7	637	0 0	667	601	12 37	66	287	19 20	306	268	11 59	38
13 *	19.4	13 58	27.7	11.7	8 57	16.0	640	22 31	666	619	10 21	47	282	17 36	292	262	11 35	30
14	20.6	14 28	28.7	13.8	7 35	14.9	644	22 8	665	616	10 30	49	281	18 38	297	258	10 56	39
15 *	20.6	12 30	30.1	12.9	6 40	17.2	645	20 53	664	610	9 55	54	282	17 30	298	263	12 31	35
16	21.1	13 20	29.2	13.5	7 29	15.7	654	18 52	700	619	12 15	81	280	18 52	297	249	11 4	48
17	21.4	12 59	30.2	11.9	7 46	18.3	650	3 40	686	596	10 30	90	285	18 42	317	260	11 36	57
18	20.5	13 3	28.9	13.5	7 50	15.4	640	17 35	672	606	8 33	66	286	19 11	302	269	12 3	33
19 *	20.2	13 32	26.4	13.0	6 19	13.4	648	20 59	669	618	9 27	51	285	18 22	298	263	11 4	35
20 *	20.1	14 30	26.4	14.6	6 20	11.8	653	18 11	683	628	12 27	55	281	5 8	296	259	11 0	37
21	19.9	13 32	26.4	11.7	7 47	14.7	654	17 10	680	631	9 27	49	282	17 21	299	260	11 24	39
22	20.3	14 35	30.5	11.6	5 50	18.9	656	14 35	693	623	11 8	70	277	17 44	301	245	11 5	56
23	20.8	14 5	29.2	5.8	23 48	23.4	649	18 6	755	607	23 11	148	282	18 6	319	261	13 5	58
24 **	19.4	5 19	31.0	6.9	0 4	24.1	622	20 33	687	539	8 19	148	282	18 54	314	241	6 16	73
25	20.4	13 2	29.5	11.2	7 30	18.3	624	21 31	661	567	8 53	94	288	18 38	310	270	12 16	40
26	17.5	14 52	26.7	9.6	4 55	17.1	627	20 4	656	592	8 22	64	282	19 37	301	266	2 12	35
27	19.8	13 13	26.4	12.7	7 48	13.7	643	11 48	671	623	11 24	48	285	17 46	305	249	11 17	56
28	20.3	12 45	30.3	12.2	5 37	18.1	643	18 53	668	614	9 43	54	284	18 52	298	258	11 23	40
29 **	19.9	15 22	35.1	4.5	23 12	30.6	649	17 9	746	571	23 40	175	293	17 44	354	258	13 37	96
30 **	16.8	15 19	28.6	-0.5	1 37	29.1	612	17 45	674	550	9 20	124	287	16 50	326	193	3 52	133
Mean	19.9	-	28.8	11.1	-	17.7	640	-	681	600	-	80.8	283	-	307	255	-	52.1
Mean *	20.0	-	27.3	13.4	-	13.9	644	-	669	617	-	52.0	283	-	297	263	-	34.2
Mean **	19.3	-	31.5	6.1	-	25.4	631	-	703	562	-	141.0	283	-	324	237	-	87.4

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
July	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	19.4	16 5	27.7	11.6	22 32	16.1	624	19 15	659	578	9 8	81	289	19 14	307	261	11 59	46
2	19.3	14 18	28.6	12.0	5 32	16.6	631	17 35	664	596	9 59	68	288	19 8	304	271	12 46	33
3	18.8	13 24	29.1	5.0	24. 0	24.1	630	19 9	678	572	22 59	106	287	19 36	320	261	11 3	59
4 **	18.4	14 55	29.8	4.9	0 1	24.9	620	23 45	668	572	10 25	96	289	19 44	335	215	1 37	120
5	19.0	15 53	27.3	12.7	0 2	14.6	630	22 18	682	584	12 37	98	287	18 31	317	265	11 54	52
6	18.9	14 23	26.4	10.7	7 46	15.7	634	16 41	668	591	12 34	77	287	17 46	311	263	12 34	48
7	19.6	13 32	27.9	13.0	5 17	14.9	640	22 15	683	615	9 40	68	287	17 43	309	269	12 42	40
8	19.2	14 15	27.7	12.0	7 57	15.7	632	20 0	657	607	13 39	50	287	18 37	302	265	11 33	37
9	20.2	15 4	28.7	13.3	8 10	15.4	640	18 11	666	607	15 24	59	283	18 13	306	260	12 16	46
10	19.2	15 0	25.4	12.3	6 10	13.1	641	21 5	671	605	10 39	66	290	18 24	308	275	10 58	33
11 **	18.8	14 4	29.5	4.6	21 57	24.9	649	18 35	715	582	23 56	133	288	18 22	327	254	23 50	73
12 **	18.9	16 6	28.1	0.1	1 59	28.0	617	23 11	665	544	10 6	121	278	19 36	332	197	2 38	135
13	19.0	2 54	29.2	10.7	9 23	18.5	634	19 52	670	574	9 57	96	292	18 39	309	273	3 17	36
14	19.1	14 21	27.0	12.9	7 13	14.1	634	18 40	673	596	8 43	77	291	18 40	308	268	12 44	40
15	19.6	14 18	26.4	14.4	0 25	12.0	636	21 6	668	609	10 47	59	291	19 37	316	276	12 2	40
16	19.7	14 3	27.4	13.3	8 33	14.1	634	21 7	667	573	10 10	94	287	18 37	304	271	14 3	33
17 *	19.4	13 43	25.9	12.2	6 54	13.7	641	17 50	674	601	9 19	73	289	18 24	310	268	12 47	42
18 *	19.5	14 4	28.9	11.7	8 45	17.2	640	17 11	670	587	10 57	83	287	17 29	300	266	11 22	34
19 *	19.4	14 11	28.6	11.7	7 50	16.9	644	21 5	677	600	10 21	77	288	6 28	302	266	12 22	36
20	19.5	14 17	27.3	11.6	5 40	15.7	652	19 22	676	624	12 19	52	286	19 21	303	262	12 18	41
21	18.6	14 32	26.6	10.9	7 37	15.7	645	19 3	687	607	10 38	80	284	20 41	303	258	12 47	45
22	19.1	13 28	28.5	10.3	5 9	18.2	643	19 23	668	591	9 40	77	281	19 37	304	257	11 48	47
23 *	19.2	15 21	26.1	12.8	8 10	13.3	643	20 39	669	614	12 27	55	283	7 39	299	261	12 48	38
24 **	17.8	16 48	27.7	0.2	24 0	27.5	644	18 23	705	573	11 20	132	282	19 36	320	253	10 33	67
25 **	18.3	14 5	31.1	-3.0	1 37	34.1	609	3 15	681	547	6 45	134	280	18 24	334	212	4 14	122
26 *	19.0	14 51	25.1	11.6	6 40	13.5	627	18 3	652	595	11 18	57	292	18 35	305	275	11 22	30
27	20.3	13 21	29.4	13.0	7 54	16.4	639	20 10	668	594	12 50	74	291	16 19	307	279	12 48	28
28	18.7	14 33	27.6	9.8	6 19	17.8	641	1 27	691	601	10 30	90	281	16 39	294	264	2 28	30
29	18.7	14 43	28.6	11.7	6 13	16.9	649	19 30	683	610	11 30	73	285	19 15	299	263	11 25	36
30	18.9	14 3	29.9	11.3	7 23	18.6	639	20 50	678	590	11 58	88	283	19 20	299	266	12 40	33
31	19.9	14 34	30.0	11.1	5 49	18.9	644	21 12	683	596	9 46	87	280	17 28	306	247	11 47	59
Mean	19.1	-	28.0	10.0	-	18.0	636	-	675	591	-	83.3	286	-	310	259	-	50.3
Mean *	19.3	-	26.9	12.0	-	14.9	639	-	668	599	-	69.0	288	-	303	267	-	36.0
Mean **	18.4	-	29.2	1.4	-	27.9	628	-	687	564	-	123.2	283	-	330	226	-	103.4
August	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1	19.9	14 27	31.0	13.0	6 18	18.0	647	17 6	694	609	13 3	85	281	19 37	309	259	12 42	50
2	18.7	12 59	29.8	5.9	19 27	23.9	646	19 31	719	608	13 19	111	283	19 14	319	250	12 42	69
3	19.4	13 46	29.2	12.0	4 54	17.2	641	17 50	685	583	10 42	102	278	17 43	312	255	12 42	57
4	19.1	14 22	27.7	12.5	5 54	15.2	639	15 40	673	605	10 27	68	284	16 19	305	267	11 46	38
5	19.8	13 25	26.9	14.9	8 17	12.0	647	19 35	679	622	10 13	57	283	19 37	302	262	12 52	40
6	18.8	13 47	27.8	12.0	1 24	15.8	647	21 10	690	627	1 45	63	279	18 35	293	263	13 3	30
7 **	18.3	16 42	29.8	-3.3	23 17	33.1	645	17 12	700	572	23 58	128	274	20 8	302	189	23 33	113
8 **	18.0	6 7	31.3	-7.7	1 47	39.0	604	5 23	690	460	6 41	230	274	18 50	315	148	1 24	167
9	17.8	14 22	25.4	5.8	23 27	19.6	612	21 25	686	558	11 15	128	293	17 26	341	258	23 55	83
10 **	18.6	14 7	30.5	-2.5	19 49	33.0	625	19 24	761	559	15 39	202	294	19 9	345	259	0 0	86
11	18.6	13 17	27.7	10.8	23 50	16.9	622	22 58	677	563	11 14	114	292	16 28	329	268	4 39	61
12	18.5	3 29	28.3	10.6	6 14	17.7	618	19 6	658	552	8 40	106	292	16 50	320	259	3 50	61
13	19.1	14 45	25.4	12.8	8 32	12.6	628	16 54	654	581	10 57	73	293	17 54	315	274	12 20	41
14	20.0	13 44	28.0	10.8	8 26	17.2	638	22 8	701	575	13 19	126	288	15 19	303	268	13 18	35
15	19.2	14 7	27.2	12.0	6 30	15.2	634	0 49	673	599	9 33	74	286	16 19	302	269	12 21	33
16 *	18.5	14 28	24.8	12.1	7 1	12.7	635	23 10	657	604	11 17	53	286	17 28	305	261	11 36	44
17 *	19.1	13 32	27.9	13.4	7 57	14.5	637	18 44	656	601	10 20	55	286	16 44	300	262	11 59	38
18	18.3	13 39	26.8	7.4	21 16	19.4	644	17 12	694	603	23 52	91	289	19 37	318	263	11 47	55
19 **	15.9	15 3	47.7	-10.3	20 0	58.0	555	16 16	672	434	22 57	238	310	16 40	515	203	23 2	312
20 **	20.2	4 41	36.7	-13.3	0 57	50.0	535	20 23	622	388	0 52	234	277	15 34	355	57	2 42	298
21	18.6	12 1	24.1	11.2	6 19	12.9	602	19 54	637	543	8 24	94	315	19 5	339	298	9 51	41
22	18.0	14 12	23.6	11.7	6 54	11.9	615	18 51	645	570	11 29	75	308	18 6	321	291	11 58	30
23	18.5	14 53	25.6	13.0	6 46	12.6	618	23 16	652	576	10 30	76	307	19 6	319	296	12 32	23
24 *	18.2	12 44	25.3	12.8	6 59	12.5	618	21 29	646	586	9 27	60	305	15 20	319	292	12 17	27
25 *	18.5	12 42	28.0	12.3	5 50	15.7	624	20 50	646	588	9 38	58	299	15 45	312	287	11 22	25
26 *	18.2	12 35	25.1	11.0	7 36	14.1	627	24 0	653	598	10 0	55	297	15 19	309	281	12 1	28
27	18.2	13 25	26.8	12.5	7 30	14.3	639	21 42	666	608	10 2	58	293	19 10	304	282	12 26	22
28	18.2	11 52	27.3	6.8	23 9	20.5	641	15 10	694	604	10 20	90	293	15 11	313	271	11 3	42
29	18.3	14 0	32.6	9.7	6 39	22.9	630	24 0	667	589	14 44	78	292	18 23	316	265	12 9	51
30	18.5	13 6	28.1	10.7	19 39	17.4	627	0 3	669	597	7 23	72	293	17 26	318	274	0 38	44
31	17.9	12 43	25.9	11.7	6 4	14.2	632	15 1	657	608	8 2	49	295	17 14	321	271	11 17	50
Mean	18.6	-	28.5	8.1	-	20.3	625	-	673	573	-	100.1	291	-	322	255	-	67.5
Mean *	18.5	-	26.2	12.3	-	13.9	628	-	652	595	-	56.2	295	-	309	277	-	32.4
Mean **	18.2	-	35.2	-7.4	-	42.6	593	-	689	483	-	206.4	286	-	366	171	-	195.2

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
September	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 *	18.7	13 42	27.7	12.6	8 11	15.1	633	22 22	659	604	9 21	55	292	19 36	305	271	12 4	34
2	18.5	12 59	26.4	13.4	19 45	13.0	638	19 57	672	610	10 16	62	291	6 22	303	272	12 25	31
3 **	18.8	15 49	32.7	-0.7	23 12	33.4	623	3 20	670	532	23 18	138	303	19 3	395	233	24 0	162
4 **	17.6	12 4	26.3	-4.5	22 55	30.8	607	23 2	672	558	8 41	114	303	18 28	342	227	0 7	115
5 **	17.3	0 51	27.0	3.7	22 1	23.3	615	18 59	701	511	9 16	190	296	16 46	341	254	1 32	87
6 **	18.3	6 50	28.4	8.7	1 26	19.7	612	20 17	670	541	11 21	129	295	16 48	329	254	3 8	75
7	18.0	12 38	27.0	12.0	20 58	15.0	618	13 50	654	571	10 42	83	299	13 49	315	279	0 38	36
8	18.9	12 27	26.7	-0.4	22 43	27.1	622	20 0	727	559	8 34	168	297	15 49	338	268	23 43	70
9	16.8	1 58	25.1	8.0	20 5	17.1	626	20 17	666	590	8 58	76	292	20 11	308	262	3 14	46
10	17.7	0 49	31.3	7.6	18 35	23.7	621	0 40	675	588	15 12	87	296	19 8	331	266	1 27	65
11	18.4	0 20	27.4	12.1	21 11	15.3	627	0 14	665	587	10 16	78	293	16 45	312	272	4 5	40
12	18.9	12 12	28.8	14.0	6 32	14.8	632	0 51	657	594	9 47	63	294	15 19	306	276	1 11	30
13	18.1	12 30	25.9	9.0	20 2	16.9	632	16 12	670	585	19 51	85	297	19 27	324	279	11 28	45
14 *	17.9	12 28	25.9	13.0	7 47	12.9	628	19 5	647	600	9 36	47	297	6 27	306	284	12 52	22
15 *	19.1	13 7	27.4	14.1	7 43	13.3	635	23 9	655	603	9 39	52	293	6 49	305	277	10 58	28
16	17.9	15 11	29.5	8.4	20 40	21.1	642	15 10	692	604	10 19	88	292	18 35	317	262	12 3	55
17	16.9	13 23	26.4	4.4	21 7	22.0	632	5 10	665	601	15 32	64	294	18 40	334	273	12 47	61
18	17.9	13 58	25.9	10.6	21 35	15.3	624	21 50	682	574	9 53	108	294	17 27	319	274	0 35	45
19	17.3	12 10	29.2	0.4	22 3	28.8	629	0 46	676	572	11 55	104	291	21 32	309	268	1 14	41
20	17.3	13 48	26.4	4.7	0 49	21.7	622	0 15	684	565	11 14	119	292	17 21	333	232	0 35	101
21	17.8	1 4	24.1	12.9	18 49	11.2	628	19 3	651	602	9 54	49	295	17 26	308	283	11 41	25
22 *	18.6	12 44	24.0	14.7	8 16	9.3	631	20 45	653	612	12 37	41	294	16 48	305	280	11 33	25
23	18.1	13 4	25.7	2.6	22 41	23.1	632	20 51	673	593	22 13	80	295	20 42	320	275	10 57	45
24 **	17.2	12 23	30.2	1.2	21 5	29.0	632	21 12	753	590	23 12	163	290	17 48	330	262	2 5	68
25	17.5	15 22	28.0	8.0	21 47	20.0	625	21 52	693	565	16 47	128	294	16 11	352	261	23 50	91
26	17.7	13 31	26.0	-0.2	19 57	26.2	628	22 26	657	584	19 44	73	294	20 6	321	265	0 0	56
27	17.7	14 30	25.3	13.3	9 20	12.0	630	19 25	654	595	9 53	59	297	18 37	311	288	12 21	23
28	17.8	13 31	24.1	14.2	8 32	9.9	631	21 2	654	589	11 39	65	294	17 25	309	274	11 32	35
29 *	18.2	13 31	24.4	13.0	8 20	11.4	637	20 54	655	612	9 53	43	290	6 48	300	270	11 55	30
30	17.6	12 42	26.9	5.7	20 22	21.2	634	17 49	671	594	20 49	77	291	21 6	313	270	11 32	43
Mean	18.0	-	27.0	7.9	-	19.1	627	-	672	583	-	89.6	295	-	321	267	-	54.3
Mean *	18.5	-	25.9	13.5	-	12.4	633	-	654	606	-	47.6	293	-	304	276	-	27.8
Mean **	17.8	-	28.9	1.7	-	27.2	618	-	693	546	-	146.8	297	-	347	246	-	101.4
October	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 **	17.1	13 36	33.1	2.1	21 32	31.0	611	21 40	733	526	12 55	207	292	17 36	338	240	3 15	98
2 **	16.1	12 1	28.0	-12.6	18 20	40.6	598	18 22	674	484	9 11	190	303	18 21	375	257	3 42	118
3	17.1	5 20	27.8	-3.8	19 20	31.6	610	19 30	765	553	10 30	212	294	19 27	342	257	3 7	85
4	17.0	0 30	26.4	-3.3	18 6	29.7	612	18 10	742	541	15 34	201	301	18 10	355	258	1 3	97
5	17.0	12 15	24.4	8.4	20 55	16.0	618	20 59	692	565	10 15	127	300	16 19	337	268	23 57	69
6	17.1	7 10	24.8	9.2	17 25	15.6	616	22 40	665	559	10 32	106	299	17 27	333	267	0 8	66
7	17.4	14 44	27.0	3.3	20 19	23.7	617	2 25	676	566	14 56	110	302	16 13	341	269	2 42	72
8	17.5	13 19	24.6	8.6	1 20	16.0	628	0 23	678	593	11 57	85	299	16 5	315	278	0 52	37
9	17.6	13 15	23.7	12.6	8 13	11.1	630	2 20	659	571	10 11	88	296	19 24	309	285	2 50	24
10 *	17.7	14 21	24.2	12.2	9 17	12.0	630	23 21	668	602	10 39	66	295	7 43	305	280	10 58	25
11	18.1	14 24	23.9	12.7	9 16	11.2	641	17 36	672	612	10 53	60	291	17 35	301	275	12 46	26
12	17.0	14 5	23.8	7.6	21 48	16.2	628	4 34	676	588	11 19	88	291	18 46	310	270	5 18	40
13	17.9	14 22	23.8	13.0	19 58	10.8	634	21 3	671	615	12 17	56	294	15 44	309	280	3 53	29
14 **	18.1	16 54	33.5	5.1	22 3	28.4	626	2 43	678	538	16 58	140	299	16 25	363	267	2 31	96
15	16.0	12 24	22.7	3.3	1 45	19.4	621	0 23	685	592	0 0	93	294	16 53	320	252	3 16	68
16	18.1	14 1	29.4	3.1	18 16	26.3	605	5 34	657	532	11 42	125	305	14 53	348	280	10 46	68
17	17.1	13 55	26.7	5.9	18 0	20.8	610	18 11	646	568	15 20	78	304	16 27	335	280	1 42	55
18	18.2	14 4	22.7	13.4	20 57	9.3	621	21 7	654	574	10 38	80	300	16 38	314	287	12 34	27
19 *	17.5	12 21	22.2	13.7	8 50	8.5	629	23 50	650	605	10 20	45	297	17 28	307	287	11 47	20
20	17.9	12 32	22.6	14.4	18 40	8.2	639	22 45	676	619	10 17	57	294	18 41	305	277	11 42	28
21 *	18.1	12 50	22.6	14.1	8 46	8.5	640	19 22	655	618	12 11	37	293	7 43	301	277	11 4	24
22	18.1	15 27	25.6	9.8	21 33	15.8	641	20 5	658	592	17 26	66	294	17 43	316	282	13 17	34
23	16.7	13 15	24.5	5.4	1 2	19.1	639	0 32	695	622	11 33	73	292	20 19	304	279	11 33	25
24	17.6	12 11	23.4	13.4	2 37	10.0	638	0 30	659	616	9 33	43	292	15 26	303	279	11 2	24
25 *	17.4	12 14	21.9	11.0	22 55	10.9	639	23 2	676	622	9 34	54	293	15 0	299	286	11 27	13
26	17.1	11 59	23.0	12.8	19 21	10.2	637	18 30	651	616	9 35	35	293	19 36	304	283	10 24	21
27 *	18.0	12 6	22.6	14.5	22 6	8.1	643	20 12	660	621	10 17	39	292	22 18	298	282	11 31	16
28 **	16.4	12 55	39.8	-15.1	20 3	54.9	592	3 37	674	501	18 30	173	306	19 3	434	240	23 33	194
29 **	15.8	3 1	24.9	-3.3	22 18	28.2	593	21 44	679	514	8 45	165	305	15 36	376	260	23 17	116
30	14.4	3 35	24.4	-4.9	20 55	29.3	607	4 3	653	557	14 54	96	288	15 36	335	238	1 3	97
31	16.4	1 54	26.1	-1.8	18 50	27.9	611	19 6	692	550	10 36	142	301	13 57	346	261	2 48	85
Mean	17.2	-	25.6	6.0	-	19.7	623	-	676	575	-	101.2	297	-	328	270	-	58.0
Mean *	17.7	-	22.7	13.1	-	9.6	636	-	662	614	-	48.2	294	-	302	282	-	19.6
Mean **	16.7	-	31.9	-4.8	-	36.6	604	-	688	513	-	175.0	301	-	377	253	-	124.4

* International Quiet Day. ** 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 Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range	Mean Daily Value	Maximum		Minimum		Range
November	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 **	17.5	12 52	27.4	2.0	18 39	25.4	608	18 43	743	515	11 42	228	308	15 41	367	272	3 14	95
2	17.1	12 17	22.8	9.3	15 49	13.5	617	7 7	640	571	15 4	69	306	15 55	335	286	0 9	49
3	17.1	3 38	21.8	12.6	23 14	9.2	626	23 22	651	598	11 17	53	302	8 1	315	293	4 15	22
4 **	19.2	15 36	32.4	2.8	17 52	29.6	605	4 18	654	532	16 49	122	317	16 51	416	275	6 12	141
5	15.9	12 24	21.1	5.4	21 17	15.7	617	21 26	646	591	10 7	55	305	20 34	315	297	11 58	18
6 *	17.1	11 58	20.8	13.2	0 0	7.6	631	7 43	644	610	12 19	34	300	20 36	308	288	10 40	20
7 *	16.9	12 43	20.2	14.7	9 39	5.5	639	7 47	652	632	0 14	20	297	20 38	306	289	10 57	17
8	17.3	12 0	24.0	10.3	3 24	13.7	642	14 51	653	631	11 16	22	296	18 43	306	286	10 59	20
9	17.4	18 28	21.8	14.4	4 10	7.4	642	17 13	659	626	20 32	33	299	20 43	311	289	6 59	22
10	16.9	12 11	34.6	4.0	18 10	30.6	612	5 45	662	550	8 51	112	310	18 26	344	285	7 3	59
11	16.9	14 54	26.2	10.0	21 18	16.2	617	22 8	656	582	12 28	74	303	16 44	325	290	1 10	35
12	17.0	14 32	24.7	4.2	22 24	20.5	626	22 32	694	558	15 16	136	300	15 55	333	285	23 20	48
13	15.9	14 12	25.0	5.1	20 33	19.9	629	19 1	668	581	13 1	87	298	16 19	322	282	0 40	40
14	16.7	13 14	22.6	10.8	20 11	11.8	631	20 16	648	609	15 46	39	301	16 19	319	286	2 15	33
15 *	17.5	13 30	21.1	14.8	23 16	6.3	641	22 15	664	620	11 15	44	299	18 28	306	289	10 31	17
16	17.2	18 56	21.7	12.7	23 37	9.0	643	18 35	665	625	24 0	40	297	22 50	306	284	13 21	22
17	17.0	13 32	23.5	7.1	20 52	16.4	645	20 28	687	624	0 1	63	295	19 10	306	280	10 58	26
18	17.0	11 50	23.2	4.3	19 50	18.9	641	19 12	676	594	20 28	82	296	19 12	311	282	10 56	29
19 *	16.6	12 41	18.9	13.7	4 3	5.2	638	20 3	652	624	0 31	28	296	20 12	303	289	11 3	14
20 *	17.0	13 24	20.1	15.0	22 35	5.1	643	6 20	659	626	11 17	33	295	19 15	303	285	9 31	18
21	16.9	22 21	20.9	11.0	20 50	9.9	645	22 13	661	629	21 33	32	293	22 2	303	279	11 58	24
22	17.4	17 10	31.8	-0.3	22 30	32.1	638	22 35	670	589	16 30	81	297	19 2	318	283	23 31	35
23	16.7	13 14	20.3	7.1	0 1	13.2	632	22 5	664	600	0 1	64	298	16 45	306	288	11 3	18
24	16.6	17 42	21.9	10.3	19 33	11.6	635	24 0	660	573	18 46	87	298	19 1	330	281	24 0	49
25 **	16.0	12 3	25.4	4.9	16 9	20.5	622	0 6	676	503	12 12	173	296	12 45	327	239	0 40	88
26 **	15.7	12 26	28.7	-2.7	19 7	31.4	613	2 43	707	536	17 13	171	302	17 25	355	259	3 11	96
27 **	16.5	0 48	25.5	-0.5	19 23	26.0	623	21 37	680	551	11 6	129	298	16 55	335	262	1 5	73
28	15.8	13 27	25.9	2.0	20 45	23.9	618	19 38	718	558	13 33	160	298	19 36	338	268	2 22	70
29	16.8	12 16	22.6	9.0	18 16	13.6	625	20 59	690	588	13 33	102	300	18 22	317	272	1 22	45
30	16.4	13 5	19.9	8.0	20 30	11.9	630	20 33	680	603	17 43	77	300	19 28	313	289	2 40	24
Mean	16.9	-	23.9	7.8	-	16.1	629	-	669	588	-	81.7	300	-	323	281	-	42.2
Mean *	17.0	-	20.2	14.3	-	5.9	638	-	654	622	-	31.8	297	-	305	288	-	17.2
Mean **	17.0	-	27.9	1.3	-	26.6	614	-	692	527	-	164.6	304	-	360	261	-	98.6
December	9°+ ′	U.T. h m	9°+ ′	9°+ ′	U.T. h m	′	18000 γ +	U.T. h m	18000 γ +	18000 γ +	U.T. h m	γ	43000 γ +	U.T. h m	43000 γ +	43000 γ +	U.T. h m	γ
1 *	17.4	12 27	21.2	15.2	17 19	6.0	639	5 50	662	626	11 20	36	297	17 29	309	289	11 58	20
2	17.1	13 31	21.7	13.1	16 34	8.6	641	20 16	658	606	16 22	52	298	16 45	312	289	4 37	23
3	17.0	12 47	20.9	8.0	21 19	12.9	644	7 36	659	626	20 53	33	295	21 29	305	285	11 22	20
4 *	17.3	15 39	21.3	13.4	23 7	7.9	638	6 4	653	626	20 40	27	298	20 25	313	286	7 3	27
5	17.4	17 51	22.5	12.0	0 17	10.5	644	8 5	665	601	18 50	64	298	19 40	318	285	12 21	33
6	17.6	8 39	24.6	13.9	23 4	10.7	634	4 20	659	597	11 32	62	298	16 18	312	280	9 16	32
7	17.0	2 6	20.9	13.1	18 34	7.8	643	22 58	670	617	19 56	53	294	20 40	306	285	12 4	21
8	17.2	13 3	23.3	10.9	24 0	12.4	645	22 43	683	608	17 24	75	292	18 46	309	276	12 4	33
9	17.2	12 7	22.0	10.8	0 4	11.2	640	6 8	652	621	8 31	31	294	16 36	306	282	11 20	24
10	16.7	11 58	22.2	12.1	20 40	10.1	642	5 45	657	614	19 58	43	294	20 29	303	283	7 15	20
11 *	17.2	12 59	21.0	15.0	22 36	6.0	645	12 50	656	592	18 54	64	292	18 21	302	279	9 10	23
12	15.2	18 5	24.3	-4.1	21 34	28.4	643	7 58	701	554	23 32	147	292	20 37	325	272	8 26	53
13 **	13.3	12 40	22.5	-6.9	18 14	29.4	608	18 22	676	549	19 43	127	301	18 19	336	268	1 11	68
14 **	13.9	17 33	22.1	-4.8	19 16	26.9	620	21 27	664	553	22 3	111	296	18 33	323	266	1 7	57
15	15.8	12 1	20.9	8.0	19 0	12.9	630	22 34	659	598	18 45	61	301	19 20	317	286	11 27	31
16	16.8	12 57	20.7	11.9	0 18	8.8	637	8 22	654	618	11 45	36	297	17 48	306	286	10 6	20
17	16.7	15 41	19.0	14.6	23 25	4.4	639	22 8	654	614	10 30	40	297	19 36	304	289	13 33	15
18	16.1	17 11	21.1	1.2	18 57	19.9	643	19 8	676	616	18 50	60	298	19 5	316	287	12 27	29
19	16.1	15 3	20.0	8.1	18 23	11.9	642	0 20	666	612	18 3	54	297	18 37	309	287	9 34	22
20	16.0	14 6	20.1	0.5	22 52	19.6	644	23 3	699	612	24 0	87	295	19 38	306	283	23 28	23
21 *	16.6	13 33	19.6	10.0	0 7	9.6	644	9 52	658	611	0 2	47	293	16 40	303	283	9 5	20
22 **	16.5	16 44	27.2	-6.6	19 41	33.8	627	10 8	669	551	20 23	118	304	19 31	399	280	10 56	119
23 **	16.4	6 11	26.5	7.0	0 48	19.5	614	6 41	652	577	8 57	75	303	17 37	324	284	2 42	40
24 **	15.4	7 57	22.1	-12.7	16 19	34.8	625	20 51	674	526	16 7	148	302	16 36	351	282	24 0	69
25	15.3	9 41	23.9	2.8	19 44	21.1	627	21 50	676	576	14 55	100	298	15 20	329	279	1 33	50
26	16.7	9 58	25.7	6.6	17 57	19.1	628	2 59 18 10	660	581	10 5	79	301	16 18	322	279	3 49	43
27	15.7	9 12	20.9	5.2	21 55	15.7	633	20 59	670	607	9 20	63	298	19 29	312	285	4 16	27
28	16.6	8 58	21.7	13.2	1 10	8.5	636	5 5	651	614	17 9	37	300	18 49	312	289	9 20	23
29	16.2	8 42	18.5	13.3	23 27	5.2	639	13 26	650	620	9 36	30	300	18 49	305	295	4 18	10
30	16.5	12 7	19.9	10.1	21 9	9.8	647	21 13	675	627	17 1	48	297	17 36	304	289	8 38	15
31 *	16.8	11 57	20.6	14.3	23 48	6.3	647	20 3	661	634	24 0	27	294	12 5	299	289	0 26	10
Mean	16.4	-	21.9	7.4	-	14.5	636	-	665	599	-	65.6	297	-	316	283	-	32.9
Mean *	17.1	-	20.7	13.6	-	7.2	643	-	658	618	-	40.2	295	-	305	285	-	20.0
Mean **	15.1	-	24.1	-4.8	-	28.9	619	-	667	551	-	115.8	301	-	347	276	-	70.6

* International Quiet Day. ** International Disturbed Day.

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1950. (SEE INTRODUCTION PAGE XII).

Date	January		February		March		April		May		June	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	3121 1221	13	1212 2131	13	4233 2111	17	4443 4455	33	1233 2233	19	2323 3524	24
2	3322 1111	14	1154 4432	24	2323 2201	15	4344 3445	31	3123 2445	24	4423 2335	26
3	1113 2114	14	1134 4354	25	3122 2311	15	4324 3355	29	5534 3454	33	3223 3442	23
4	2122 2333	18	2123 3554	25	0123 3222	15	3443 3443	28	3333 3444	27	3211 3311	15
5	1213 2212	14	2311 2331	16	0132 2212	13	4443 4465	34	4334 3434	28	3121 2331	16
6	1311 3332	17	0131 3321	14	3322 2334	22	4333 4244	27	1112 3433	18	3443 5643	32
7	3222 3231	18	1312 3235	20	4343 3222	23	3323 3332	22	4112 3313	18	2122 3311	15
8	0112 1111	8	1222 3333	19	3112 2113	14	2113 3210	13	2122 2112	13	1131 3324	18
9	3333 2121	18	4221 1343	20	3222 3310	16	0123 3312	15	1001 2212	9	4523 4433	28
10	4212 2124	18	1111 1101	7	2113 1210	11	3412 2233	20	1113 2324	17	4334 4333	27
11	3112 1224	16	1112 2103	11	0021 2123	11	1222 1132	14	3133 4432	23	3122 3323	19
12	2112 1232	14	3011 1221	11	1122 2321	14	2344 3312	22	2132 1232	16	3222 3223	19
13	3222 2332	19	1112 1210	9	0122 1330	12	4312 2111	15	3343 3333	25	1121 2111	10
14	2334 4353	27	1212 1221	12	1223 3341	19	1121 2113	12	3333 3434	26	1321 3221	15
15	0024 3332	17	2113 1232	15	4531 3221	21	1333 4223	21	4333 2454	28	1113 3111	12
16	1333 1224	19	1013 1212	11	1322 2312	16	1132 3334	20	3233 3323	22	0001 3441	13
17	2002 2032	11	1022 1100	7	1023 2213	14	4312 3332	21	2111 3221	13	3333 3332	23
18	2312 1113	14	1022 1323	14	1112 1111	9	3332 3343	24	2211 2120	11	2122 1220	12
19	0123 2234	17	1222 2213	15	3466 5642	36	3433 3343	26	0112 1430	12	2211 0221	11
20	4333 3412	23	3213 3588	33	2111 1342	15	4531 2144	24	2122 3334	20	0112 3231	13
21	3324 3442	25	6644 4454	37	2324 4443	26	1113 1220	11	3311 2211	14	1211 2433	17
22	4322 1312	18	4333 3454	29	4433 3244	27	0013 3211	11	0023 5444	22	2323 4323	22
23	2121 1112	11	3225 5466	33	3222 2213	17	2334 4323	24	4344 3544	31	3222 3355	25
24	2213 4666	30	5554 2145	31	4432 2323	23	4543 3534	31	4322 2333	22	4554 4343	32
25	4343 4334	28	5343 3211	22	2431 1121	15	2332 2200	14	3122 3433	21	3234 3134	23
26	2322 3333	21	0112 1110	7	1113 3124	16	1222 2100	10	3233 3332	22	3321 3122	17
27	3323 3334	24	0013 3212	12	5433 3455	32	0011 2133	11	2332 5545	29	1122 2321	14
28	3223 2421	19	1233 2211	15	2123 3213	17	1122 3334	19	6545 4443	35	3122 3111	14
29	3221 1131	14			1243 3332	21	4123 3333	22	3423 4433	26	0112 5554	23
30	3232 1353	22			2222 3211	15	3443 3443	28	4423 3432	25	5523 4444	31
31	1021 1223	12			0133 4434	22			2211 2114	14		

TABLE IV(A). - THREE-HOUR-RANGE INDICES "K" FOR THE YEAR 1950. (SEE INTRODUCTION PAGE XII).

Date	July		August		September		October		November		December	
	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum	Indices	Sum
1	4113 4323	21	3333 4433	26	1212 2212	13	4454 5546	37	4445 5563	36	1222 2211	13
2	1312 2222	15	3333 4353	27	1112 1132	12	3455 5565	38	3133 3411	19	1211 1432	15
3	0112 3444	19	4323 4433	26	2444 5556	35	4444 4564	35	2323 2122	17	1112 2134	15
4	5432 4433	28	3313 3332	21	5344 3445	32	5444 4563	35	2444 3642	29	0111 2232	12
5	3313 3334	23	1111 3333	16	5555 3555	38	3433 3455	30	3133 3334	23	2122 3332	18
6	3123 3421	19	4122 3444	24	4444 4444	32	3334 3444	28	3122 1110	11	2243 3322	21
7	2213 3324	20	3324 4546	31	3234 4333	25	4333 4444	29	0011 1001	4	3232 2234	21
8	2121 3200	11	6565 4334	36	2345 3565	33	4323 3311	20	3312 2222	17	1223 2434	21
9	2332 4431	22	3443 4545	32	5323 2343	25	3224 3112	18	1311 0232	13	3231 2112	15
10	1212 3422	17	3433 5565	34	5213 3443	25	2111 1213	12	3354 5542	31	2222 2133	17
11	4213 5455	29	4434 4434	30	4433 2334	26	1121 1331	13	3331 3333	22	1022 1111	9
12	5534 3333	29	4444 3433	29	3233 3111	17	3423 3334	25	3243 3535	28	0343 2354	24
13	5424 5332	28	2323 2333	21	2123 2443	21	3222 2243	20	3333 3344	26	4443 3465	33
14	2132 3333	20	3334 5334	28	1212 2212	13	5434 5544	34	3211 2333	18	5422 2365	29
15	3222 3432	21	4342 2332	23	0013 2211	10	5432 2334	26	0012 1013	8	1233 3343	22
16	2334 2211	19	3132 1112	14	2114 4544	25	4344 4544	32	2101 1233	13	2323 2112	16
17	3231 2230	16	1112 1111	9	2333 3444	26	4243 4443	28	3232 3344	24	1113 1123	13
18	2123 3211	15	2212 2435	21	4343 4334	28	2233 2322	19	0012 3253	16	3112 3452	21
19	2111 3311	13	4355 6766	42	4224 4135	25	2111 1112	10	2222 1001	10	3223 2342	21
20	2222 2222	16	7656 3422	35	5434 4443	31	1122 1233	15	0112 2211	10	1112 1235	16
21	3213 3343	22	3144 4441	25	3312 2131	16	0012 1121	8	0012 2134	13	3222 2121	15
22	3324 3221	20	2132 2331	17	0111 2211	9	0112 3434	18	2113 3545	24	1122 4564	25
23	1011 2111	8	3023 2323	18	0124 3455	24	4333 3234	25	4112 2133	17	4444 4424	30
24	3445 3444	31	1123 1113	13	4323 4556	32	3223 2212	17	1112 1544	19	3333 3654	30
25	5543 4332	29	3233 2111	16	5343 3545	32	1102 2223	13	5434 6534	34	4334 4445	31
26	0122 2322	14	0121 2111	9	3233 2353	24	1223 3232	18	5545 5555	39	4334 4443	29
27	1112 4232	16	3113 2223	17	2223 2232	18	1012 2221	11	5444 4454	34	3333 3344	26
28	4322 2223	20	3233 3544	27	1123 2122	14	3455 5565	38	3434 4464	32	3233 3321	20
29	3223 3332	21	3333 4423	25	1112 1111	9	5354 5556	38	4323 3354	27	1123 1222	14
30	3213 4332	21	4332 2341	22	1122 1354	19	4434 5555	35	3322 1353	22	2013 3333	18
31	2333 3443	25	0133 3321	16			5434 5565	37			0011 2113	9

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

All Days

DECLINATION WEST (Unit 0.′01)

Month and Season, 1950	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
January	-205	-138	-166	-137	-123	-107	- 75	- 91	-100	- 86	+ 28	+167	+300	+379	+334	+276	+201	+157	+178	+ 32	-145	-236	-237	-196
February	-173	-179	-152	- 93	- 62	-140	- 88	-117	-169	-190	- 30	+201	+413	+489	+466	+382	+230	+189	+ 82	- 47	-173	-288	-273	-274
March	-188	-198	-145	-240	-223	-174	-195	-284	-340	-286	- 59	+289	+538	+623	+552	+398	+157	+115	+114	+ 18	- 49	-101	-162	-172
April	-174	-162	-188	-247	-211	-177	-266	-442	-534	-386	- 38	+386	+693	+812	+739	+580	+394	+165	+ 11	-122	-118	-188	-272	-252
May	-148	-142	-207	-244	-337	-468	-568	-640	-575	-330	+ 63	+415	+706	+792	+764	+610	+433	+237	+ 80	- 16	- 54	- 49	-114	-214
June	-200	-228	-228	-258	-311	-449	-558	-606	-528	-320	+ 11	+345	+592	+672	+694	+604	+465	+283	+148	+ 57	+ 10	- 23	- 58	-112
July	-220	-206	-197	-211	-351	-460	-520	-548	-514	-354	- 33	+284	+532	+691	+735	+645	+507	+338	+203	+ 55	- 9	- 67	-142	-157
August	-270	-300	-256	-193	-223	-309	-373	-403	-360	-133	+ 98	+375	+609	+684	+662	+517	+358	+191	+102	- 48	-108	-138	-202	-281
September	-135	- 88	-168	-166	-182	-149	-164	-195	-214	-102	+148	+410	+624	+636	+573	+367	+193	+ 99	- 58	-210	-318	-271	-307	-312
October	-110	-187	-107	- 89	- 52	+ 21	+ 31	- 39	-115	- 86	+ 83	+359	+520	+548	+448	+280	+ 96	- 18	-200	-210	-382	-316	-280	-186
November	-131	-103	- 57	- 28	- 15	- 5	0	- 11	- 28	- 5	+110	+254	+358	+404	+301	+169	+ 90	+ 24	- 38	-180	-237	-310	-323	-250
December	-199	-131	-103	- 22	+ 5	0	+ 47	+ 66	+114	+115	+156	+213	+272	+236	+199	+152	+ 44	+120	- 31	-221	-212	-304	-301	-210
Year	-179	-172	-165	-161	-174	-201	-227	-276	-280	-180	+ 45	+308	+513	+581	+539	+415	+264	+158	+ 49	- 74	-150	-191	-223	-218
Winter	-177	-138	-120	- 70	- 49	- 63	- 29	- 38	- 46	- 42	+ 66	+209	+336	+377	+325	+245	+141	+123	+ 48	-104	-192	-285	-284	-233
Equinox	-152	-159	-152	-186	-167	-120	-149	-240	-301	-215	+ 34	+361	+594	+655	+578	+406	+210	+ 90	- 33	-131	-217	-219	-255	-231
Summer	-210	-219	-222	-227	-306	-422	-505	-549	-494	-284	+ 35	+355	+610	+710	+714	+594	+441	+262	+133	+ 12	- 40	- 69	-129	-191

INCLINATION (Unit 0.′01)

January	- 4	- 4	- 9	- 15	- 36	- 62	- 70	- 68	- 39	+ 3	+ 41	+ 56	+ 32	+ 5	0	+ 10	+ 34	+ 29	+ 18	+ 23	+ 33	+ 29	+ 6	- 11
February	- 25	- 17	- 25	- 49	- 63	- 78	- 73	- 68	- 32	+ 7	+ 40	+ 71	+ 60	+ 27	+ 19	+ 31	+ 29	+ 15	+ 31	+ 41	+ 32	+ 16	+ 8	+ 2
March	- 41	- 41	- 57	- 54	- 61	- 60	- 73	- 50	+ 9	+ 58	+ 93	+ 92	+ 70	+ 46	+ 39	+ 50	+ 65	+ 33	+ 5	- 12	- 25	- 35	- 22	- 30
April	- 53	- 55	- 72	- 84	- 76	- 78	- 45	- 4	+ 64	+ 97	+124	+138	+114	+ 80	+ 49	+ 33	+ 9	0	- 30	- 17	- 44	- 42	- 48	- 53
May	- 30	- 33	- 42	- 41	- 33	+ 6	+ 42	+ 84	+112	+123	+ 99	+ 77	+ 52	+ 59	+ 32	+ 3	- 31	- 49	- 85	- 85	- 72	- 74	- 60	- 46
June	- 47	- 34	- 50	- 53	- 45	- 29	+ 27	+ 86	+118	+120	+102	+ 70	+ 64	+ 56	+ 12	- 14	- 18	- 43	- 67	- 76	- 64	- 52	- 40	- 35
July	- 40	- 50	- 55	- 69	- 59	- 33	+ 23	+ 72	+125	+167	+161	+124	+ 87	+ 52	+ 23	+ 4	- 20	- 62	- 82	- 93	- 91	- 75	- 71	- 45
August	- 63	- 61	- 68	- 52	- 48	- 49	+ 25	+102	+151	+144	+128	+ 91	+ 58	+ 43	+ 48	+ 44	- 13	- 42	- 63	- 94	- 72	- 82	- 66	- 68
September	- 74	- 68	- 62	- 57	- 51	- 52	- 18	+ 38	+ 91	+133	+123	+ 94	+ 52	+ 27	+ 8	+ 31	+ 35	+ 17	+ 2	- 25	- 46	- 53	- 73	- 66
October	-128	-102	- 97	- 94	-108	-116	- 72	- 49	+ 53	+138	+142	+105	+ 78	+ 69	+ 68	+104	+ 81	+ 61	+ 40	+ 12	- 18	- 34	- 55	- 69
November	- 33	- 38	- 56	- 49	- 73	- 73	- 79	- 61	- 14	+ 34	+ 53	+ 72	+ 83	+ 53	+ 67	+ 70	+ 59	+ 43	+ 19	+ 4	- 6	- 19	- 36	- 28
December	+ 11	- 5	- 12	- 31	- 45	- 63	- 77	- 68	- 44	- 14	- 8	- 12	- 5	+ 8	+ 16	+ 37	+ 48	+ 43	+ 45	+ 66	+ 56	+ 33	+ 14	+ 2
Year	- 44	- 42	- 50	- 54	- 58	- 57	- 33	+ 1	+ 50	+ 84	+ 92	+ 82	+ 62	+ 44	+ 32	+ 34	+ 23	+ 4	- 14	- 21	- 26	- 32	- 37	- 37
Winter	- 13	- 16	- 26	- 36	- 54	- 69	- 75	- 66	- 32	+ 8	+ 32	+ 47	+ 43	+ 23	+ 26	+ 37	+ 43	+ 33	+ 28	+ 34	+ 29	+ 15	- 2	- 9
Equinox	- 74	- 67	- 72	- 72	- 74	- 77	- 52	- 16	+ 54	+107	+121	+107	+ 79	+ 56	+ 41	+ 55	+ 48	+ 28	+ 4	- 11	- 33	- 41	- 50	- 55
Summer	- 45	- 45	- 54	- 54	- 46	- 26	+ 29	+ 86	+127	+139	+123	+ 91	+ 65	+ 53	+ 29	+ 9	- 21	- 49	- 74	- 87	- 75	- 71	- 59	- 49

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 5	- 1	+ 2	+ 8	+ 39	+ 79	+ 89	+ 86	+ 44	- 26	- 82	-107	- 77	- 29	- 5	- 5	- 24	- 12	+ 5	- 2	- 12	- 16	+ 10	+ 25
February	+ 25	+ 7	+ 20	+ 42	+ 68	+ 96	+ 92	+ 88	+ 39	- 29	- 94	-147	-121	- 56	- 21	- 21	- 5	+ 17	+ 5	- 1	- 1	+ 4	+ 1	- 4
March	+ 69	+ 56	+ 71	+ 61	+ 81	+ 80	+100	+ 71	- 25	-117	-194	-205	-166	-102	- 63	- 43	- 42	+ 1	+ 34	+ 57	+ 72	+ 77	+ 55	+ 62
April	+ 71	+ 67	+ 84	+ 99	+ 90	+ 96	+ 57	+ 3	-111	-183	-256	-299	-254	-167	- 70	- 10	+ 57	+ 90	+135	+103	+122	+ 95	+ 94	+ 87
May	+ 36	+ 33	+ 44	+ 44	+ 42	- 10	- 56	-126	-186	-234	-229	-213	-168	-143	- 61	+ 25	+107	+157	+220	+210	+169	+148	+104	+ 75
June	+ 68	+ 42	+ 56	+ 60	+ 55	+ 36	- 42	-132	-209	-215	-216	-185	-168	-134	- 35	+ 40	+ 70	+130	+174	+184	+149	+118	+ 89	+ 69
July	+ 51	+ 52	+ 53	+ 82	+ 80	+ 49	- 30	-103	-195	-278	-288	-254	-199	-124	- 52	+ 12	+ 69	+153	+193	+209	+188	+145	+123	+ 70
August	+ 61	+ 42	+ 53	+ 34	+ 44	+ 46	- 52	-166	-241	-239	-232	-185	-132	- 80	- 50	- 7	+ 95	+142	+164	+215	+156	+149	+108	+ 84
September	+ 72	+ 62	+ 58	+ 59	+ 61	+ 67	+ 26	- 57	-142	-214	-220	-189	-121	- 64	- 9	- 7	+ 7	+ 39	+ 64	+101	+112	+103	+108	+ 78
October	+152	+104	+ 89	+ 81	+121	+142	+ 87	+ 67	- 86	-220	-241	-188	-138	-100	- 73	- 94	- 36	- 9	+ 18	+ 40	+ 56	+ 61	+ 78	+ 76
November	+ 25	+ 27	+ 53	+ 39	+ 78	+ 84	+ 95	+ 73	+ 4	- 72	-102	-129	-130	- 72	- 66	- 59	- 35	- 20	+ 13	+ 29	+ 35	+ 43	+ 58	+ 34
December	- 29	- 9	+ 1	+ 27	+ 48	+ 80	+ 98	+ 84	+ 44	- 2	- 6	0	- 6	- 15	- 13	- 38	- 40	- 34	- 32	- 59	- 48	- 27	- 9	- 8
Year	+ 51	+ 40	+ 49	+ 53	+ 67	+ 70	+ 39	- 9	- 89	-152	-180	-175	-140	- 91	- 43	- 17	+ 19	+ 55	+ 83	+ 91	+ 83	+ 75	+ 68	+ 54
Winter	+ 7	+ 6	+ 19	+ 29	+ 58	+ 85	+ 94	+ 83	+ 33	- 32	- 71	- 96	- 84	- 43	- 26	- 31	- 26	- 12	- 2	- 8	- 7	+ 1	+ 15	+ 12
Equinox	+ 91	+ 72	+ 76	+ 75	+ 88	+ 96	+ 68	+ 21	- 91	-184	-228	-220	-170	-108	- 54	- 39	- 4	+ 30	+ 63	+ 75	+ 91	+ 84	+ 84	+ 76
Summer	+ 54	+ 42	+ 52	+ 55	+ 55	+ 30	- 45	-132	-208	-242	-241	-209	-167	-120	- 50	+ 18	+ 85	+146	+188	+205	+166	+140	+106	+ 75

TABLE V. - MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

All Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1950	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
January	+ 23	+ 11	+ 17	+ 20	+ 49	+ 87	+ *94*	+ 93	+ 52	- 18	- 83	- *120*	- 102	- 62	- 34	- 29	- 41	- 26	- 11	- 5	+ 1	+ 5	+ 31	+ 42
February	+ 40	+ 23	+ 33	+ 50	+ 73	+ *107*	+ 99	+ 97	+ 53	- 12	- 90	- *163*	- 156	- 98	- 62	- 54	- 25	+ 0	- 2	+ 3	+ 14	+ 29	+ 25	+ 20
March	+ 85	+ 73	+ 83	+ 81	+ 100	+ 94	+ *116*	+ 95	+ 5	- 90	- 186	- *228*	- 211	- 155	- 111	- 77	- 55	- 9	+ 24	+ 55	+ 75	+ 85	+ 69	+ 76
April	+ 85	+ 80	+ 99	+ 119	+ 107	+ 110	+ 80	+ 42	- 63	- 147	- 249	- *329*	- 312	- 236	- 134	- 61	+ 22	+ 74	+ *132*	+ 112	+ 131	+ 110	+ 117	+ 108
May	+ 49	+ 45	+ 62	+ 65	+ 71	+ 31	- 6	- 68	- 133	- 202	- 232	- *247*	- 228	- 211	- 127	- 29	+ 68	+ 134	+ *210*	+ 209	+ 172	+ 150	+ 113	+ 93
June	+ 85	+ 62	+ 75	+ 82	+ 82	+ 75	+ 7	- 77	- 160	- 184	- 214	- 213	- *218*	- 191	- 95	- 14	+ 28	+ 104	+ 159	+ *177*	+ 146	+ 119	+ 93	+ 78
July	+ 70	+ 69	+ 70	+ 99	+ 110	+ 89	+ 16	- 54	- 147	- 243	- *281*	- 276	- 243	- 183	- 116	- 45	+ 24	+ 121	+ 173	+ *202*	+ 186	+ 149	+ 134	+ 83
August	+ 84	+ 68	+ 75	+ 51	+ 63	+ 73	- 19	- 129	- 206	- 224	- *238*	- 216	- 184	- 139	- 108	- 52	+ 62	+ 123	+ 153	+ *216*	+ 164	+ 159	+ 124	+ 108
September	+ 83	+ 69	+ 72	+ 73	+ 76	+ 79	+ 40	- 39	- 121	- 202	- *230*	- 223	- 174	- 119	- 59	- 39	- 10	+ 30	+ 68	+ 118	+ *138*	+ 126	+ 134	+ 104
October	+ *160*	+ 119	+ 97	+ 88	+ 124	+ 138	+ 83	+ 70	- 75	- 210	- *245*	- 217	- 182	- 147	- 111	- 117	- 44	- 7	+ 35	+ 58	+ 89	+ 88	+ 102	+ 91
November	+ 36	+ 36	+ 57	+ 41	+ 78	+ 83	+ *94*	+ 73	+ 6	- 71	- 110	- 150	- *160*	- 107	- 92	- 73	- 42	- 22	+ 16	+ 44	+ 55	+ 70	+ 86	+ 56
December	- 11	+ 3	+ 10	+ 29	+ 47	+ 79	+ *93*	+ 77	+ 33	- 12	- 20	- 19	- 30	- 36	- 30	- *51*	- 43	- 44	- 29	- 39	- 29	+ 0	+ 18	+ 11
Year	+ 66	+ 55	+ 63	+ 67	+ 82	+ 87	+ 58	+ 15	- 63	- 135	- 182	- *200*	- 183	- 140	- 90	- 53	- 5	+ 40	+ 77	+ *96*	+ 95	+ 91	+ 87	+ 73
Winter	+ 22	+ 18	+ 29	+ 35	+ 62	+ 89	+ *95*	+ 85	+ 36	- 28	- 76	- *113*	- 112	- 76	- 55	- 52	- 38	- 23	- 7	+ 1	+ 10	+ 26	+ 40	+ 32
Equinox	+ 103	+ 85	+ 88	+ 90	+ 102	+ 105	+ 80	+ 42	- 64	- 162	- 228	- *249*	- 220	- 164	- 104	- 74	- 22	+ 22	+ 65	+ 86	+ *108*	+ 102	+ 106	+ 95
Summer	+ 72	+ 61	+ 71	+ 74	+ 82	+ 67	- 1	- 82	- 162	- 213	- *241*	- 238	- 218	- 181	- 112	- 35	+ 46	+ 121	+ 174	+ *201*	+ 167	+ 144	+ 116	+ 91

WEST COMPONENT (Unit 0.1γ)

January	- 109	- 74	- 88	- 72	- 59	- 44	- 26	- 35	- 46	- 50	+ 2	+ 72	+ 148	+ *198*	+ 178	+ 147	+ 104	+ 82	+ 96	+ 17	- 79	- *129*	- 125	- 101
February	- 88	- 95	- 78	- 43	- 22	- 59	- 32	- 48	- 84	- 106	- 31	+ 84	+ 201	+ *252*	+ 246	+ 201	+ 122	+ 104	+ 45	- 25	- 93	- *153*	- 146	- 147
March	- 89	- 97	- 66	- 118	- 106	- 80	- 88	- 140	- *186*	- 172	- 63	+ 121	+ 261	+ *317*	+ 285	+ 206	+ 77	+ 62	+ 66	+ 19	- 15	- 42	- 78	- 82
April	- 82	- 76	- 87	- 116	- 98	- 79	- 133	- 236	- *303*	- 236	- 62	+ 158	+ 329	+ *407*	+ 384	+ 308	+ 220	+ 103	+ 28	- 49	- 43	- 85	- 130	- 121
May	- 73	- 71	- 104	- 123	- 173	- 252	- 313	- *363*	- 337	- 214	- 3	+ 187	+ 350	+ *400*	+ 399	+ 330	+ 249	+ 152	+ 78	+ 25	- 2	- 2	- 44	- 102
June	- 96	- 115	- 113	- 128	- 157	- 234	- 305	- *345*	- 316	- 206	- 29	+ 154	+ 289	+ 338	+ *365*	+ 329	+ 260	+ 172	+ 107	+ 60	+ 29	+ 7	- 17	- 49
July	- 109	- 102	- 97	- 100	- 175	- 238	- 283	- *310*	- 306	- 234	- 64	+ 111	+ 252	+ 349	+ *385*	+ 347	+ 282	+ 206	+ 140	+ 63	+ 26	- 12	- 56	- 73
August	- 134	- 154	- 128	- 98	- 112	- 158	- 208	- *242*	- 231	- 110	+ 15	+ 170	+ 304	+ *353*	+ 346	+ 275	+ 207	+ 125	+ 81	+ 9	- 32	- 50	- 91	- 137
September	- 60	- 37	- 80	- 79	- 87	- 69	- 84	- 113	- 137	- 89	+ 44	+ 188	+ 314	+ *330*	+ 305	+ 195	+ 104	+ 59	- 21	- 96	- 152	- 128	- 147	- *154*
October	- 34	- 83	- 43	- 35	- 8	+ 34	+ 31	- 10	- 75	- 82	+ 5	+ 161	+ 256	+ *277*	+ 228	+ 135	+ 46	- 11	- 104	- 106	- *195*	- 159	- 137	- 87
November	- 66	- 51	- 22	- 9	+ 5	+ 11	+ 15	+ 6	- 14	- 14	+ 42	+ 115	+ 170	+ *204*	+ 150	+ 81	+ 42	+ 10	- 18	- 92	- 121	- 159	- *163*	- 128
December	- 111	- 72	- 55	- 7	+ 11	+ 13	+ 41	+ 49	+ 68	+ 61	+ 82	+ 114	+ *144*	+ 124	+ 104	+ 75	+ 17	+ 59	- 22	- 128	- 121	- *167*	- 162	- 114
Year	- 88	- 86	- 80	- 77	- 82	- 96	- 115	- 149	- *164*	- 121	- 5	+ 136	+ 252	+ *296*	+ 281	+ 219	+ 144	+ 94	+ 40	- 25	- 67	- 90	- 108	- 108
Winter	- 94	- 73	- 61	- 33	- 16	- 20	- 1	- 7	- 19	- 27	+ 24	+ 96	+ 166	+ *195*	+ 170	+ 126	+ 71	+ 64	+ 25	- 57	- 104	- *152*	- 149	- 123
Equinox	- 66	- 73	- 69	- 87	- 75	- 49	- 69	- 125	- *175*	- 145	- 19	+ 157	+ 290	+ *333*	+ 301	+ 211	+ 112	+ 53	- 8	- 58	- 101	- 104	- 123	- 111
Summer	- 103	- 111	- 111	- 112	- 154	- 221	- 277	- *315*	- 298	- 191	- 20	+ 156	+ 299	+ 360	+ *374*	+ 320	+ 250	+ 164	+ 102	+ 39	+ 5	- 14	- 52	- 90

VERTICAL COMPONENT (Unit 0.1γ)

January	- 2	- 18	- 28	- 35	- 36	- 32	- 35	- 34	- 35	- 48	- 49	- 56	- *68*	- 49	- 11	+ 23	+ 63	+ 73	+ 74	+ 78	+ *87*	+ 64	+ 45	+ 22
February	- 27	- 40	- 43	- 73	- 58	- 48	- 39	- 30	- 22	- 42	- 79	- *93*	- 72	- 37	+ 19	+ 59	+ 89	+ 91	+ 117	+ *138*	+ 106	+ 66	+ 32	- 3
March	+ 18	- 10	- 30	- 44	- 26	- 22	- 20	- 7	- 29	- 70	- 128	- *157*	- 141	- 77	- 10	+ 74	+ *127*	+ 119	+ 97	+ 90	+ 81	+ 59	+ 52	+ 43
April	- 18	- 35	- 56	- 62	- 57	- 49	- 25	- 7	- 34	- 91	- 166	- *216*	- 195	- 111	+ 6	+ 90	+ 162	+ *208*	+ 207	+ 179	+ 131	+ 76	+ 51	+ 18
May	- 20	- 37	- 44	- 41	- 16	- 2	+ 15	- 1	- 44	- 119	- 186	- *228*	- 213	- 129	- 31	+ 71	+ 142	+ 196	+ *217*	+ 194	+ 142	+ 87	+ 36	+ 14
June	- 2	- 21	- 43	- 45	- 29	- 16	- 4	- 8	- 40	- 84	- 149	- *189*	- 171	- 118	- 39	+ 45	+ 101	+ 153	+ *172*	+ 164	+ 126	+ 94	+ 70	+ 37
July	- 20	- 52	- 65	- 50	- 17	- 1	+ 12	+ 11	- 22	- 66	- 112	- *159*	- 158	- 107	- 41	+ 40	+ 92	+ 144	+ 164	+ *164*	+ 123	+ 76	+ 37	+ 8
August	- 76	- 113	- 112	- 101	- 66	- 61	- 36	- 30	- 33	- 54	- 94	- *115*	- 103	- 39	+ 47	+ 134	+ 178	+ *184*	+ 164	+ 172	+ 113	+ 61	+ 22	- 42
September	- 91	- 90	- 80	- 60	- 35	- 25	- 4	0	- 15	- 36	- 85	- *115*	- 101	- 56	+ 6	+ 91	+ 140	+ 150	+ *155*	+ 149	+ 100	+ 57	- 4	- 48
October	- 91	- 112	- 130	- *138*	- 94	- 74	- 49	- 15	- 19	- 32	- 66	- 73	- 49	+ 7	+ 66	+ 144	+ *197*	+ 192	+ 180	+ 137	+ 68	+ 26	- 12	- 62
November	- 55	- 70	- 69	- *81*	- 74	- 59	- 53	- 41	- 39	- 47	- 51	- 47	- 13	+ 16	+ 80	+ 103	+ *126*	+ 105	+ 96	+ 81	+ 59	+ 36	+ 11	- 17
December	- 29	- 37	- 38	- 45	- 46	- 32	- 37	- 40	- *53*	- *53*	- 40	- 40	- 31	- 8	+ 23	+ 43	+ 73	+ 70	+ 84	+ *90*	+ 82	+ 52	+ 27	- 11
Year	- 34	- 53	- 62	- 65	- 46	- 35	- 23	- 17	- 32	- 62	- 100	- *124*	- 110	- 59	+ 10	+ 76	+ 124	+ 140	+ *144*	+ 136	+ 102	+ 63	+ 31	- 3
Winter	- 28	- 41	- 45	- 59	- 54	- 43	- 41	- 36	- 37	- 48	- 55	- *59*	- 46	- 20	+ 28	+ 57	+ 88	+ 85	+ 93	+ *97*	+ 84	+ 55	+ 29	- 2
Equinox	- 46	- 62	- 74	- 76	- 53	- 43	- 25	- 7	- 24	- 57	- 111	- *140*	- 122	- 59	+ 17	+ 100	+ 157	+ *167*	+ 160	+ 139	+ 95	+ 55	+ 22	- 12
Summer	- 30	- 56	- 66	- 59	- 32	- 20	- 3	- 7	- 35	- 81	- 135	- *173*	- 161	- 98	- 16	+ 73	+ 128	+ 169	+ *179*	+ 174	+ 126	+ 80	+ 41	+ 4

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

International Quiet Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1950	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
January	-113	- 77	- 73	- 81	-127	- 95	-109	-151	-163	-101	+ 23	+137	+277	+309	+251	+183	+ 87	+ 71	+ 81	+ 27	- 71	- 93	-121	- 75
February	-107	- 69	- 73	- 79	- 93	-153	-187	-221	-273	-299	-113	+161	+351	+405	+395	+289	+163	+105	+ 65	+ 5	- 25	- 77	-101	- 79
March	-106	-130	-100	-154	-182	-224	-218	-274	-372	-358	-128	+232	+520	+638	+584	+398	+174	+110	+ 74	- 4	- 68	-126	-146	-150
April	- 41	- 37	- 65	-111	-163	-217	-347	-551	-621	-451	-123	+285	+573	+705	+623	+449	+301	+167	+ 63	+ 47	- 43	-143	-167	-137
May	-129	- 77	- 93	-181	-287	-409	-537	-619	-573	-415	- 91	+297	+575	+647	+639	+543	+395	+201	+ 35	+ 27	+ 55	+ 59	- 15	- 39
June	- 65	- 89	- 97	-169	-307	-467	-571	-553	-521	-385	- 73	+255	+495	+587	+597	+447	+311	+205	+115	+ 71	+ 89	+ 65	+ 55	+ 9
July	- 57	- 41	- 65	-169	-327	-497	-593	-615	-601	-427	-113	+209	+455	+631	+655	+567	+397	+255	+161	+ 81	+ 57	+ 25	+ 17	+ 1
August	- 36	- 84	-146	-220	-278	-380	-488	-520	-424	-164	+150	+430	+638	+640	+496	+288	+104	+ 12	+ 28	+ 44	+ 12	+ 12	- 46	- 68
September	-134	-118	-150	-182	-200	-242	-310	-394	-426	-264	+ 68	+378	+586	+618	+504	+282	+144	+ 72	+ 34	- 28	- 36	- 62	- 56	- 86
October	- 62	- 98	- 50	- 42	- 60	- 84	-130	-244	-328	-276	- 36	+266	+370	+362	+290	+194	+126	+112	+ 82	+ 10	- 40	- 98	-134	-136
November	- 81	- 53	- 61	- 57	- 59	- 59	- 73	-103	-119	-129	+ 1	+159	+221	+227	+155	+129	+ 89	+ 53	+ 17	- 7	- 29	- 47	- 85	- 99
December	-154	- 70	- 74	- 54	- 82	- 54	- 56	- 48	- 22	+ 22	+ 76	+190	+242	+212	+158	+168	+ 78	+ 44	+ 48	- 30	-116	-136	-156	-180
Year	- 90	- 79	- 87	-125	-180	-240	-302	-358	-370	-271	- 30	+250	+442	+498	+446	+328	+197	+117	+ 67	+ 20	- 18	- 52	- 80	- 87
Winter	-114	- 67	- 70	- 68	- 90	- 90	-106	-131	-144	-127	- 3	+162	+273	+288	+240	+192	+104	+ 68	+ 43	- 1	- 60	- 88	-116	-108
Equinox	- 86	- 96	- 91	-122	-151	-192	-251	-366	-437	-337	- 55	+290	+512	+581	+500	+331	+186	+115	+ 63	+ 6	- 47	- 107	-126	-127
Summer	- 72	- 73	-100	-185	-300	-438	-547	-577	-530	-348	- 32	+298	+541	+626	+597	+461	+302	+168	+ 85	+ 56	+ 53	+ 40	+ 3	- 24

INCLINATION (Unit 0.'01)

January	+ 21	+ 15	+ 25	- 8	- 14	- 24	- 36	- 34	- 7	+ 22	+ 53	+ 51	+ 11	- 6	- 18	- 1	0	- 26	- 20	- 6	+ 15	+ 16	+ 1	- 19
February	+ 4	+ 7	+ 6	- 2	- 20	- 36	- 39	- 36	- 5	+ 34	+ 60	+ 94	+ 85	+ 57	+ 17	+ 3	+ 4	- 2	- 18	- 28	- 39	- 35	- 56	- 43
March	- 17	- 3	- 1	- 10	- 22	- 36	- 41	- 27	- 7	+ 24	+ 34	+ 38	+ 26	+ 19	+ 21	+ 15	+ 24	+ 10	- 5	- 21	- 8	- 8	0	- 13
April	- 33	- 35	- 29	- 32	- 38	- 34	- 18	+ 18	+ 65	+113	+143	+149	+117	+ 76	+ 54	+ 15	- 16	- 43	- 66	- 76	-106	- 86	- 67	- 63
May	- 1	0	- 15	- 8	- 13	+ 3	+ 31	+ 69	+ 77	+ 67	+ 48	+ 54	+ 54	+ 73	+ 55	+ 4	- 42	- 35	- 57	- 75	- 79	- 79	- 78	- 60
June	- 10	- 7	- 8	+ 4	+ 4	+ 11	+ 47	+ 79	+114	+109	+ 88	+ 38	+ 44	+ 48	+ 12	+ 1	0	- 45	- 70	- 88	-101	- 92	- 91	- 80
July	- 32	- 30	- 21	- 29	- 34	- 16	+ 27	+ 92	+132	+175	+181	+160	+107	+ 64	+ 26	- 13	- 55	-113	-113	-100	-105	-102	-106	- 97
August	- 58	- 48	- 51	- 22	- 19	+ 2	+ 32	+ 87	+126	+157	+144	+ 94	+ 57	+ 24	+ 2	- 3	- 1	- 35	- 65	- 76	- 92	- 92	- 88	- 80
September	- 13	- 9	- 14	- 21	- 17	- 4	+ 30	+ 76	+115	+139	+113	+ 72	+ 29	+ 4	- 6	+ 10	- 8	- 43	- 64	- 67	- 73	- 66	- 85	- 90
October	- 8	- 20	- 8	- 15	- 33	- 44	- 31	+ 2	+ 56	+ 90	+ 97	+ 76	+ 61	+ 41	+ 24	+ 19	+ 10	- 22	- 41	- 40	- 47	- 40	- 44	- 74
November	+ 41	+ 34	+ 28	+ 22	+ 9	- 22	- 44	- 30	- 13	+ 8	+ 22	+ 34	+ 28	+ 4	+ 9	+ 7	- 1	- 18	- 29	- 24	- 21	- 11	- 18	- 15
December	+ 31	+ 22	+ 15	- 6	- 25	- 33	- 41	- 34	- 42	- 15	+ 13	+ 13	+ 14	+ 13	+ 4	+ 18	+ 13	+ 8	+ 4	+ 10	+ 16	- 3	- 7	+ 8
Year	- 6	- 6	- 6	- 11	- 19	- 19	- 7	+ 22	+ 51	+ 77	+ 83	+ 73	+ 53	+ 35	+ 17	+ 6	- 6	- 30	- 45	- 49	- 53	- 50	- 53	- 52
Winter	+ 24	+ 20	+ 19	+ 2	- 13	- 29	- 40	- 34	- 17	+ 12	+ 37	+ 48	+ 35	+ 17	+ 3	+ 7	+ 4	- 10	- 16	- 12	- 7	- 8	- 20	- 17
Equinox	- 18	- 17	- 13	- 20	- 28	- 30	- 15	+ 17	+ 57	+ 92	+ 97	+ 84	+ 58	+ 35	+ 23	+ 15	+ 3	- 25	- 44	- 51	- 59	- 50	- 49	- 60
Summer	- 25	- 21	- 24	- 14	- 16	0	+ 34	+ 82	+112	+127	+115	+ 87	+ 66	+ 52	+ 24	- 3	- 25	- 57	- 76	- 85	- 94	- 91	- 91	- 79

HORIZONTAL INTENSITY (Unit 0.1γ)

January	- 25	- 21	- 35	+ 11	+ 19	+ 37	+ 55	+ 51	+ 11	- 51	- 97	- 95	- 43	- 9	+ 21	+ 5	+ 15	+ 51	+ 41	+ 21	- 9	- 7	+ 9	+ 35
February	+ 7	- 3	- 1	+ 7	+ 37	+ 63	+ 63	+ 61	+ 15	- 55	-123	-179	-157	-103	- 33	- 3	+ 5	+ 13	+ 39	+ 51	+ 69	+ 61	+ 89	+ 65
March	+ 44	+ 18	+ 12	+ 24	+ 48	+ 70	+ 76	+ 58	+ 16	- 56	-102	-132	-116	- 90	- 66	- 24	- 16	+ 4	+ 28	+ 58	+ 40	+ 40	+ 28	+ 44
April	+ 58	+ 60	+ 46	+ 52	+ 68	+ 72	+ 54	+ 4	- 86	-192	-276	-310	-264	-176	-106	- 16	+ 48	+100	+132	+144	+190	+154	+124	+112
May	+ 9	+ 7	+ 31	+ 29	+ 49	+ 33	- 15	- 85	-119	-147	-157	-199	-195	-183	-111	+ 5	+ 91	+103	+147	+167	+153	+149	+139	+103
June	+ 25	+ 19	+ 21	+ 11	+ 27	+ 15	- 45	-109	-177	-195	-181	-123	-131	-125	- 35	+ 1	+ 21	+ 97	+133	+157	+169	+151	+143	+123
July	+ 45	+ 41	+ 25	+ 47	+ 75	+ 51	- 17	-115	-191	-271	-311	-303	-233	-153	- 67	+ 21	+103	+207	+209	+183	+181	+167	+165	+147
August	+ 86	+ 76	+ 74	+ 34	+ 44	+ 16	- 32	-120	-190	-256	-256	-198	-142	- 62	- 6	+ 30	+ 34	+ 80	+114	+130	+148	+144	+136	+124
September	+ 21	+ 17	+ 25	+ 39	+ 39	+ 27	- 19	- 95	-169	-223	-209	-165	- 97	- 39	+ 3	- 5	+ 33	+ 85	+113	+121	+123	+109	+131	+131
October	+ 14	+ 28	+ 8	+ 18	+ 48	+ 64	+ 50	+ 8	- 76	-142	-170	-150	-116	- 72	- 34	- 16	- 2	+ 46	+ 74	+ 72	+ 80	+ 72	+ 74	+112
November	- 53	- 47	- 43	- 35	- 15	+ 31	+ 59	+ 45	+ 19	- 23	- 53	- 71	- 57	- 17	- 13	- 9	+ 11	+ 31	+ 51	+ 47	+ 43	+ 31	+ 39	+ 33
December	- 51	- 35	- 27	+ 5	+ 33	+ 49	+ 53	+ 41	+ 45	+ 1	- 33	- 33	- 33	- 29	- 7	- 21	- 3	+ 3	+ 13	+ 3	- 3	+ 21	+ 19	- 9
Year	+ 15	+ 13	+ 11	+ 20	+ 39	+ 44	+ 24	- 21	- 75	-134	-164	-163	-132	- 88	- 38	- 3	+ 28	+ 68	+ 91	+ 96	+ 99	+ 91	+ 91	+ 85
Winter	- 31	- 27	- 27	- 3	+ 19	+ 45	+ 58	+ 50	+ 23	- 32	- 77	- 95	- 73	- 40	- 8	- 7	+ 7	+ 25	+ 36	+ 31	+ 25	+ 27	+ 39	+ 31
Equinox	+ 34	+ 31	+ 23	+ 33	+ 51	+ 58	+ 40	- 6	- 79	-153	-189	-189	-148	- 94	- 51	- 15	+ 16	+ 59	+ 87	+ 99	+108	+ 94	+ 89	+100
Summer	+ 41	+ 36	+ 38	+ 30	+ 49	+ 29	- 27	-107	-169	-217	-226	-206	-175	-131	- 55	+ 14	+ 62	+122	+151	+159	+163	+153	+146	+124

TABLE VI. - MEAN DIURNAL INEQUALITIES OF THE GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

International Quiet Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1950	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
January	−15	−14	−28	+18	+30	+45	+64	+64	+25	−41	−98	−106	−67	−36	−1	−11	+7	+44	+33	+18	−3	+1	+20	+41
February	+16	+3	+5	+14	+45	+76	+79	+80	+39	−28	−112	−191	−186	−137	−67	−28	−9	+4	+33	+50	+70	+67	+97	+71
March	+53	+29	+21	+37	+63	+89	+94	+81	+48	−24	−90	−151	−160	−145	−116	−59	−31	−6	+21	+58	+46	+51	+40	+57
April	+61	+62	+51	+61	+81	+90	+84	+52	−30	−150	−262	−331	−311	−236	−159	−55	+21	+84	+125	+138	+191	+165	+137	+123
May	+20	+14	+39	+45	+74	+69	+32	−30	−67	−109	−147	−222	−243	−237	−166	−43	+55	+84	+142	+162	+146	+142	+139	+105
June	+30	+27	+29	+26	+54	+56	+6	−59	−129	−159	−172	−144	−173	−175	−87	−38	−7	+78	+121	+149	+159	+143	+136	+121
July	+49	+44	+30	+61	+103	+94	+35	−60	−136	−230	−297	−317	−270	−206	−124	−29	+67	+182	+192	+174	+174	+163	+161	+145
August	+88	+82	+86	+53	+68	+49	+11	−73	−150	−238	−266	−233	−196	−117	−49	+4	+25	+78	+110	+124	+145	+141	+138	+128
September	+33	+27	+38	+55	+56	+48	+8	−59	−129	−197	−212	−196	−147	−93	−41	−30	+20	+78	+109	+122	+125	+113	+134	+137
October	+19	+36	+12	+22	+53	+71	+61	+29	−46	−116	−165	−171	−147	−103	−59	−33	−13	+36	+66	+70	+83	+80	+85	+122
November	−45	−42	−37	−30	−10	+36	+65	+53	+29	−11	−52	−84	−76	−37	−26	−20	+3	+26	+49	+47	+45	+35	+46	+41
December	−37	−28	−20	+10	+40	+53	+57	+45	+46	−1	−39	−49	−54	−47	−21	−35	−10	−1	+9	+6	+7	+33	+33	+7
Year	+23	+20	+19	+31	+55	+65	+50	+10	−42	−109	−159	−183	−169	−131	−76	−31	+11	+57	+84	+93	+99	+95	+97	+92
Winter	−20	−20	−20	+3	+26	+53	+66	+61	+35	−20	−75	−108	−96	−64	−29	−24	−2	+18	+31	+30	+30	+34	+49	+40
Equinox	+42	+39	+31	+44	+63	+75	+62	+26	−39	−122	−182	−212	−191	−144	−94	−44	−1	+48	+80	+97	+111	+102	+99	+110
Summer	+47	+42	+46	+46	+75	+67	+21	−56	−121	−184	−221	−229	−221	−184	−107	−27	+35	+106	+141	+152	+156	+147	+144	+125

WEST COMPONENT (Unit 0.1γ)

January	−65	−45	−45	−42	−65	−45	−49	−72	−85	−62	−3	+58	+141	+164	+138	+99	+49	+46	+50	+18	−40	−51	−63	−34
February	−56	−37	−39	−41	−44	−72	−90	−108	−143	−169	−80	+57	+162	+200	+206	+154	+88	+58	+41	+11	−2	−31	−40	−32
March	−50	−67	−52	−78	−90	−108	−104	−137	−196	−201	−85	+103	+259	+326	+301	+209	+90	+59	+44	+7	−30	−61	−74	−73
April	−13	−10	−27	−51	−76	−104	−177	−294	−346	−272	−110	+102	+263	+348	+316	+237	+169	+106	+55	+48	+8	−52	−69	−55
May	−68	−40	−45	−92	−146	−213	−289	−345	−326	−246	−74	+127	+276	+316	+324	+291	+226	+124	+43	+42	+54	+56	+15	−4
June	−31	−45	−48	−89	−160	−247	−313	−313	−307	−237	−68	+116	+243	+294	+313	+239	+170	+125	+83	+63	+75	+59	+53	+25
July	−23	−15	−31	−83	−163	−257	−320	−347	−352	−272	−111	+63	+206	+313	+339	+307	+229	+170	+120	+73	+60	+41	+36	+24
August	−5	−33	−66	−112	−142	−201	−266	−297	−257	−129	+39	+198	+318	+332	+264	+159	+61	+19	+34	+45	+30	+30	−3	−16
September	−68	−60	−76	−91	−101	−125	−169	−226	−255	−177	+2	+175	+298	+324	+270	+150	+82	+52	+37	+5	+1	−15	−9	−25
October	−31	−48	−25	−20	−24	−35	−61	−129	−188	−171	−47	+118	+179	+182	+150	+101	+67	+67	+56	+17	−8	−41	−60	−55
November	−52	−36	−40	−36	−34	−27	−29	−48	−61	−73	−8	+74	+109	+119	+81	+68	+49	+33	+17	+4	−9	−20	−39	−48
December	−91	−43	−44	−28	−39	−21	−21	−19	−5	+12	+35	+96	+124	+109	+83	+86	+41	+24	+28	−16	−63	−69	−80	−98
Year	−46	−40	−45	−64	−90	−121	−157	−195	−210	−166	−43	+107	+215	+252	+232	+175	+110	+74	+51	+26	+6	−13	−28	−33
Winter	−66	−40	−42	−37	−46	−41	−47	−62	−74	−73	−14	+71	+134	+148	+127	+102	+57	+40	+34	+4	−29	−43	−56	−53
Equinox	−41	−46	−45	−60	−73	−93	−128	−197	−246	−205	−60	+125	+250	+295	+259	+174	+102	+71	+48	+19	−7	−42	−53	−52
Summer	−32	−33	−48	−94	−153	−230	−297	−326	−311	−221	−54	+126	+261	+314	+310	+249	+172	+110	+70	+56	+55	+47	+25	+7

VERTICAL COMPONENT (Unit 0.1γ)

January	+13	+3	+7	−5	−5	+5	+3	−1	−1	−41	−43	−45	−63	−41	−13	+7	+35	+27	+25	+29	+31	+37	+23	+13
February	+32	+16	+16	+10	+16	+20	+12	+16	+16	−12	−76	−92	−68	−42	−16	+2	+24	+24	+28	+22	+26	+20	+14	+2
March	+43	+31	+23	+21	+33	+39	+33	+41	+13	−47	−117	−175	−179	−141	−79	−5	+45	+45	+47	+61	+67	+67	+67	+57
April	+22	+16	+6	+12	+28	+48	+64	+74	+24	−54	−146	−206	−208	−146	−60	+14	+56	+82	+76	+70	+72	+58	+56	+42
May	+18	+16	+22	+38	+70	+86	+72	+42	−12	−106	−198	−274	−266	−172	−66	+24	+66	+118	+142	+128	+84	+72	+52	+32
June	+24	+22	+22	+38	+76	+72	+58	+22	−16	−76	−118	−154	−154	−124	−38	+8	+48	+70	+66	+60	+40	+32	+18	+8
July	−7	−9	−15	+7	+55	+61	+57	+51	+15	−23	−95	−151	−169	−135	−65	+5	+49	+89	+95	+81	+55	+35	+19	+5
August	−1	+9	−3	+5	+33	+45	+39	+25	−3	−53	−97	−135	−131	−61	−7	+59	+77	+65	+37	+39	+25	+13	+9	+11
September	+2	+6	+10	+18	+30	+48	+58	+40	+6	−36	−94	−136	−124	−76	−28	+26	+48	+50	+40	+48	+32	+24	+10	−8
October	+4	−4	−12	−12	−4	−4	+12	+26	+16	−16	−60	−86	−60	−26	+2	+28	+32	+32	+32	+28	+24	+28	+22	+2
November	+17	+9	−3	−3	−5	−3	−13	−1	−1	−25	−49	−49	−35	−23	−1	+5	+21	+11	+19	+23	+29	+33	+29	+23
December	−10	−2	−10	−10	−12	−0	−18	−24	−42	−48	−30	−30	−28	−22	−4	+14	+38	+34	+44	+42	+48	+38	+22	+6
Year	+13	+9	+5	+10	+26	+35	+31	+26	+1	−45	−94	−128	−124	−84	−31	+16	+45	+54	+54	+53	+44	+38	+28	+16
Winter	+13	+7	+3	−2	−2	+6	−4	−3	−7	−32	−50	−54	−49	−32	−9	+7	+30	+24	+29	+29	+34	+32	+22	+11
Equinox	+18	+12	+7	+10	+22	+33	+42	+45	+15	−38	−104	−151	−143	−97	−41	+16	+45	+52	+49	+52	+49	+44	+39	+23
Summer	+9	+10	+7	+22	+59	+66	+57	+35	−4	−65	−127	−179	−180	−123	−44	+24	+60	+86	+85	+77	+51	+38	+25	+14

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

International Disturbed Days

DECLINATION WEST (Unit 0.'01)

Month and Season, 1950	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
January	-422	-212	-316	-182	-110	- 42	+102	+ 14	+ 0	- 84	+ 82	+236	+418	+642	+546	+508	+316	+ 60	+310	+ 62	-566	-570	-444	-342
February	-253	-405	-505	-301	- 79	-177	+147	+111	+ 85	+ 43	+191	+403	+715	+807	+771	+751	+489	+417	+171	- 75	-477	-1099	-877	-861
March	-222	-230	- 88	-454	-360	-164	-250	-304	-354	-246	+ 4	+374	+686	+826	+720	+542	+104	+ 6	+ 64	+ 42	-154	-184	-162	-194
April	-257	-331	-329	-425	-327	-223	-189	-229	-335	-359	+153	+531	+835	+989	+833	+713	+527	+239	+ 37	-365	-309	-455	-367	-365
May	-277	-277	-465	-491	-519	-531	-463	-553	-537	-189	+267	+573	+795	+947	+953	+723	+553	+345	+185	- 67	-169	-129	-343	-327
June	-519	-639	-527	-485	-307	-257	-465	-617	-469	-173	+129	+501	+819	+841	+815	+833	+683	+409	+145	- 25	-125	- 83	-141	-355
July	-766	-758	-622	-288	-280	-326	-450	-370	-292	-144	+156	+470	+684	+810	+878	+768	+690	+496	+350	- 38	- 88	-166	-254	-452
August	-1006	-1052	-760	-246	+ 26	+ 40	+136	-116	-138	+168	+172	+450	+718	+838	+1010	+818	+720	+402	+156	-220	-464	-420	-626	-602
September	-371	-225	-279	-333	-359	- 85	+163	+153	+ 83	+ 95	+185	+439	+661	+685	+677	+533	+387	+ 85	- 87	-273	-331	-305	-625	-875
October	-219	- 15	- 23	-109	- 99	- 13	- 19	+ 55	- 63	+191	+359	+705	+795	+959	+643	+485	+289	- 77	-359	-417	-833	-701	-929	-609
November	-164	-196	- 8	+ 66	+ 46	+196	+242	+266	+ 92	+112	+238	+262	+526	+522	+142	+ 80	-226	-452	-192	-416	-246	-370	-328	-200
December	-319	-383	-355	- 11	+113	+101	+305	+315	+263	+213	+261	+271	+335	+351	+393	+367	-113	+383	- 83	-565	-347	-609	-619	-271
Year	-400	-394	-356	-272	-188	-123	- 62	-106	-139	- 31	+183	+435	+666	+768	+699	+593	+368	+193	+ 58	-196	-342	-424	-476	-454
Winter	-290	-299	-296	-107	- 8	+ 20	+199	+177	+110	+ 71	+193	+293	+499	+581	+463	+427	+117	+102	+ 52	-249	-409	-662	-567	-419
Equinox	-267	-200	-180	-330	-286	-121	- 74	- 81	-167	- 80	+175	+512	+744	+865	+718	+568	+327	+ 63	- 86	-253	-407	-411	-521	-511
Summer	-642	-682	-594	-378	-270	-269	-311	-414	-359	- 85	+181	+499	+754	+859	+914	+786	+662	+413	+209	- 88	-212	-200	-341	-434

INCLINATION (Unit 0.'01)

January	- 62	- 66	- 71	- 72	-105	-131	-149	-170	-109	- 52	- 14	+ 59	+ 52	0	+ 31	+ 44	+170	+177	+127	+129	+133	+ 81	+ 34	- 43
February	- 35	- 47	- 92	-185	-148	-166	-124	-110	- 98	- 59	- 8	+ 93	+ 42	- 24	+ 4	+ 16	- 23	- 68	+ 40	+174	+242	+181	+195	+206
March	-146	-142	-194	-201	-208	-161	-228	-194	- 42	+ 72	+195	+192	+189	+110	+114	+144	+214	+127	+ 96	+ 61	+ 17	- 18	+ 5	- 3
April	-127	-100	-129	-178	-108	-136	- 60	- 40	+ 67	+113	+161	+152	+ 70	+ 65	+ 22	+ 35	+ 69	+ 98	+ 28	+ 92	- 22	- 11	- 8	- 58
May	- 32	- 76	-152	-157	-111	+ 9	+ 73	+107	+158	+168	+150	+104	+ 80	+ 24	+ 38	- 8	- 22	- 97	-102	- 95	- 33	- 16	- 8	+ 8
June	- 49	- 25	-138	-119	- 81	-116	- 29	+ 68	+170	+147	+103	+ 81	+ 62	+ 72	+ 25	- 69	- 19	- 73	- 67	- 46	+ 4	+ 44	+ 43	+ 19
July	- 19	- 56	-135	-193	-134	-115	- 6	+ 27	+110	+182	+206	+168	+ 88	+ 63	+ 82	+ 37	- 7	- 52	- 84	- 54	- 45	- 20	- 26	- 8
August	- 95	-160	-249	-183	-149	-185	+ 55	+174	+243	+127	+100	+107	+124	+126	+184	+173	+ 38	+ 49	- 53	-141	-146	- 74	- 21	- 45
September	- 55	-103	-132	-165	-117	- 89	- 40	- 17	+ 76	+165	+163	+164	+100	+ 86	+ 58	+ 51	+107	+ 84	+ 76	- 29	- 91	-144	-106	- 46
October	-249	-241	-234	-239	-245	-274	-178	-201	+ 42	+224	+168	+ 89	+100	+136	+ 76	+261	+268	+251	+237	+166	+ 11	- 53	- 59	- 50
November	-187	-141	-226	-166	-213	-194	-135	-126	- 68	+ 61	+150	+237	+278	+137	+221	+243	+273	+204	+ 59	- 60	- 48	- 99	- 84	-115
December	- 45	- 90	- 75	-114	-122	-119	-147	-122	- 78	- 61	- 76	- 64	- 16	+ 37	+ 24	+ 95	+196	+172	+114	+187	+152	+100	+ 88	- 45
Year	- 92	-104	-152	-164	-145	-140	- 81	- 50	+ 39	+ 91	+108	+115	+ 97	+ 69	+ 73	+ 85	+105	+ 73	+ 39	+ 32	+ 15	- 2	+ 4	- 15
Winter	- 82	- 86	-116	-134	-147	-153	-139	-132	- 88	- 28	+ 13	+ 81	+ 89	+ 38	+ 70	+100	+154	+121	+ 85	+108	+120	+ 66	+ 58	+ 1
Equinox	-144	-147	-172	-196	-170	-165	-127	-113	+ 36	+144	+172	+149	+115	+ 99	+ 68	+123	+165	+140	+109	+ 73	- 21	- 57	- 42	- 39
Summer	- 49	- 79	-169	-163	-119	-102	+ 23	+ 94	+170	+156	+140	+115	+ 89	+ 71	+ 82	+ 33	- 3	- 43	- 77	- 84	- 55	- 17	- 3	- 7

HORIZONTAL INTENSITY (Unit 0.1γ)

January	+ 74	+ 64	+ 62	+ 72	+116	+156	+180	+208	+118	+ 26	- 30	-136	-122	- 34	- 56	- 44	-174	-158	- 92	-104	-106	- 68	- 16	+ 70
February	+ 5	+ 11	+ 63	+137	+119	+155	+121	+115	+105	+ 47	- 39	-189	- 83	+ 47	+ 43	+ 51	+113	+179	+ 73	- 69	-235	-183	-259	-335
March	+196	+170	+230	+216	+240	+170	+278	+242	+ 8	-184	-378	-370	-330	-154	-100	- 74	-158	- 34	- 46	- 20	+ 26	+ 46	+ 10	+ 20
April	+148	+ 94	+124	+176	+ 72	+126	+ 30	+ 10	-146	-226	-318	-310	-170	-118	+ 26	+ 60	+ 60	+ 42	+132	+ 8	+116	+ 18	+ 0	+ 50
May	+ 32	+ 62	+138	+120	+ 44	-132	-180	-208	-278	-326	-304	-228	-170	- 36	- 14	+106	+168	+314	+322	+298	+168	+ 74	+ 12	+ 6
June	+ 60	+ 2	+140	+ 88	+ 32	+ 84	- 28	-156	-306	-268	-216	-198	-158	-150	- 44	+164	+122	+240	+240	+202	+108	+ 24	+ 4	+ 6
July	- 11	- 15	+ 93	+187	+ 99	+ 87	- 49	- 71	-201	-319	-377	-327	-185	-107	- 99	+ 15	+121	+223	+287	+239	+189	+107	+ 83	+ 25
August	- 23	- 1	+145	+ 73	+ 69	+125	-197	-349	-403	-201	-163	-149	-151	-101	-119	- 21	+211	+143	+255	+389	+321	+149	+ 33	- 33
September	+ 14	+ 78	+110	+178	+130	+ 94	+ 18	- 14	-152	-280	-274	-284	-176	-140	- 64	- 2	- 42	+ 6	+ 42	+180	+208	+236	+134	+ 4
October	+306	+280	+244	+212	+262	+338	+208	+264	-108	-372	-300	-186	-172	-178	- 46	-234	-182	-164	-144	-104	+ 26	+ 62	+ 24	- 48
November	+193	+125	+259	+139	+219	+211	+125	+125	+ 45	-131	-257	-365	-379	-147	-209	-209	-237	-161	+ 7	+143	+ 89	+155	+113	+141
December	+ 14	+ 64	+ 58	+112	+128	+142	+186	+152	+ 78	+ 58	+ 84	+ 70	- 2	- 64	- 18	-106	-208	-170	- 64	-182	-158	-112	-104	+ 50
Year	+ 84	+ 78	+139	+143	+128	+130	+ 58	+ 27	-103	-181	-214	-223	-175	- 99	- 58	- 25	- 17	+ 38	+ 84	+ 82	+ 63	+ 42	+ 3	- 4
Winter	+ 72	+ 66	+111	+115	+146	+166	+153	+150	+ 87	+ 0	- 61	-155	-147	- 50	- 60	- 77	-127	- 78	- 19	- 53	-103	- 52	- 67	- 19
Equinox	+166	+156	+177	+196	+176	+182	+134	+126	-100	-266	-318	-288	-212	-148	- 46	- 63	- 81	- 38	- 4	+ 16	+ 94	+ 91	+ 42	+ 7
Summer	+ 15	+ 12	+129	+117	+ 61	+ 41	-114	-196	-297	-279	-265	-226	-166	- 99	- 69	+ 66	+156	+230	+276	+282	+197	+ 89	+ 33	+ 1

TABLE VII. - MEAN DIURNAL INEQUALITIES OF GEOGRAPHICAL COMPONENTS OF MAGNETIC INTENSITY

International Disturbed Days

NORTH COMPONENT (Unit 0.1γ)

Month and Season, 1950	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
January	+110	+ 82	+ 89	+ 87	+124	+158	+169	+204	+117	+ 33	- 37	-155	-157	- 90	-103	- 88	-199	-161	-118	-108	- 55	- 17	+ 23	+ 99
February	+ 27	+ 46	+107	+162	+124	+169	+107	+104	+ 96	+ 43	- 55	-222	-145	- 24	- 25	- 16	+ 69	+140	+ 57	- 62	-190	- 84	-179	-255
March	+213	+188	+235	+253	+269	+182	+296	+266	+ 39	-160	-374	-398	-386	-224	-162	-121	-165	- 34	- 51	- 23	+ 39	+ 62	+ 24	+ 37
April	+169	+122	+151	+211	+100	+144	+ 46	+ 30	-115	-192	-327	-353	-241	-203	- 48	- 3	+ 13	+ 21	+127	+ 40	+142	+ 58	+ 32	+ 81
May	+ 56	+ 86	+177	+162	+ 89	- 84	-137	-157	-227	-305	-323	-275	-238	-119	- 97	+ 41	+117	+280	+302	+300	+181	+ 84	+ 42	+ 35
June	+105	+ 58	+184	+129	+ 59	+105	+ 13	-100	-261	-249	-225	-239	-228	-222	-115	+ 89	+ 61	+201	+224	+202	+118	+ 31	+ 16	+ 37
July	+ 56	+ 52	+146	+210	+122	+115	- 9	- 38	-173	-302	-386	-364	-243	-177	-175	- 53	+ 59	+177	+253	+239	+194	+120	+104	+ 64
August	+ 66	+ 91	+210	+ 94	+ 66	+120	-206	-334	-386	-213	-176	-187	-212	-173	-206	- 92	+145	+106	+238	+403	+358	+184	+ 88	+ 20
September	+ 46	+ 97	+133	+205	+160	+100	+ 4	- 27	-157	-285	-287	-319	-232	-198	-123	- 49	- 75	- 2	+ 49	+202	+234	+260	+187	+ 81
October	+321	+278	+243	+219	+267	+335	+207	+256	-101	-384	-328	-245	-240	-260	-102	-274	-205	-155	-111	- 66	+ 99	+123	+105	+ 6
November	+205	+141	+256	+131	+212	+191	+102	+100	+ 36	-139	-275	-383	-420	-191	-219	-213	-214	-119	+ 24	+178	+109	+185	+140	+157
December	+ 42	+ 97	+ 88	+112	+116	+131	+157	+122	+ 54	+ 39	+ 60	+ 45	- 31	- 94	- 52	-137	-195	-201	- 56	-130	-126	- 57	- 48	+ 73
Year	+118	+112	+168	+165	+142	+139	+ 62	+ 36	- 90	-176	-228	-258	-231	-165	-119	- 76	- 49	+ 21	+ 78	+ 98	+ 92	+ 79	+ 45	+ 36
Winter	+ 96	+ 92	+135	+123	+144	+162	+134	+133	+ 76	- 6	- 77	-179	-188	-100	-100	-114	-135	- 85	- 23	- 31	- 66	+ 7	- 16	+ 19
Equinox	+187	+171	+191	+222	+199	+190	+138	+131	- 84	-255	-329	-329	-275	-221	-109	-112	-108	- 43	+ 4	+ 38	+129	+126	+ 87	+ 51
Summer	+ 71	+ 72	+179	+149	+ 84	+ 64	- 85	-157	-262	-267	-278	-266	-230	-173	-148	- 4	+ 96	+191	+254	+286	+213	+105	+ 63	+ 39

WEST COMPONENT (Unit 0.1γ)

January	-214	-103	-159	- 86	- 40	+ 3	+ 84	+ 41	+ 19	- 41	+ 39	+104	+204	+338	+283	+264	+141	+ 7	+151	+ 16	-320	-316	-240	-172
February	-134	-215	-260	-139	- 23	- 70	+ 98	+ 78	+ 62	+ 31	+ 96	+185	+369	+439	+419	+410	+280	+252	+103	- 51	-293	-617	-511	-515
March	- 87	- 95	- 10	-208	-154	- 60	- 89	-123	-188	-161	- 59	+140	+313	+417	+369	+278	+ 30	- 2	+ 27	+ 19	- 78	- 91	- 85	-101
April	-113	-162	-156	-199	-163	- 99	- 96	-121	-203	-229	+ 30	+234	+419	+510	+449	+391	+291	+135	+ 41	-194	-146	-240	-196	-187
May	-143	-138	-226	-243	-270	-305	-277	-329	-332	-154	+ 94	+269	+397	+500	+507	+404	+323	+235	+151	+ 13	- 63	- 57	-181	-174
June	-268	-341	-259	-245	-159	-125	-253	-355	-300	-136	+ 34	+236	+412	+425	+429	+472	+385	+258	+116	+ 19	- 49	- 41	- 75	-189
July	-411	-408	-317	-124	-134	-160	-248	-209	-189	-129	+ 22	+198	+336	+416	+453	+413	+388	+301	+234	+ 18	- 16	- 71	-122	-238
August	-541	-563	-383	-120	+ 25	+ 42	+ 41	-119	-139	+ 57	+ 66	+216	+359	+432	+521	+434	+419	+238	+125	- 55	-196	-200	-329	-327
September	-196	-108	-131	-149	-171	- 30	+ 90	+ 80	+ 20	+ 5	+ 55	+189	+325	+343	+352	+285	+200	+ 46	- 40	-117	-143	-125	-312	-467
October	- 68	+ 37	+ 27	- 24	- 11	+ 48	+ 24	+ 72	- 51	+ 42	+143	+347	+397	+484	+336	+221	+125	- 68	-215	-240	-441	-365	-493	-333
November	- 56	- 85	+ 38	+ 58	+ 60	+139	+150	+163	+ 57	+ 39	+ 86	+ 81	+220	+255	+ 42	+ 9	-159	-268	-102	-199	-117	-173	-157	- 84
December	-168	-194	-180	+ 12	+ 81	+ 77	+193	+193	+153	+123	+153	+156	+179	+177	+207	+179	- 94	+177	- 55	-332	-211	-344	-348	-137
Year	-200	-198	-168	-122	- 80	- 45	- 24	- 52	- 91	- 46	+ 63	+196	+328	+395	+364	+313	+194	+109	+ 45	- 92	-173	-220	-254	-244
Winter	-143	-149	-140	- 39	+ 20	+ 37	+131	+119	+ 73	+ 38	+ 94	+132	+243	+302	+238	+216	+ 42	+ 42	+ 24	-142	-235	-363	-314	-227
Equinox	-116	- 82	- 68	-145	-125	- 35	- 18	- 23	-106	- 86	+ 42	+228	+364	+439	+377	+294	+162	+ 28	- 47	-133	-202	-205	-272	-272
Summer	-341	-363	-296	-183	-135	-137	-184	-253	-240	- 91	+ 54	+230	+376	+443	+478	+431	+379	+258	+157	- 1	- 81	- 92	-177	-232

VERTICAL COMPONENT (Unit 0.1γ)

January	- 41	- 79	- 99	- 83	- 93	- 91	- 97	-107	-103	-121	-117	-111	-103	- 81	- 23	+ 51	+185	+247	+225	+205	+215	+121	+ 79	+ 15
February	-112	-138	-174	-324	-236	-216	-150	-114	- 96	- 96	-118	-118	- 50	+ 24	+116	+174	+184	+180	+308	+446	+296	+202	+ 74	- 62
March	- 52	- 98	-140	-194	-162	-164	-146	-112	-130	-178	-202	-194	-110	+ 26	+162	+326	+374	+360	+226	+168	+118	+ 46	+ 40	+ 36
April	- 96	-128	-160	-210	-210	-180	-138	-116	-106	-132	-180	-194	-154	- 48	+134	+262	+380	+438	+404	+338	+196	+ 2	- 28	- 82
May	- 39	-119	-207	-269	-285	-275	-167	-111	- 97	-173	-189	-171	-117	- 1	+101	+219	+317	+391	+397	+363	+277	+119	+ 1	+ 43
June	- 32	- 84	-152	-208	-210	-208	-168	-128	-124	-114	-146	-182	-154	-102	- 14	+144	+218	+306	+328	+310	+264	+208	+160	+ 80
July	- 92	-230	-254	-236	-236	-198	-136	- 74	- 86	-112	-162	-178	-126	- 30	+ 56	+164	+258	+338	+374	+368	+286	+180	+104	+ 30
August	-383	-559	-529	-467	-357	-349	-269	-207	- 93	- 29	- 31	+ 23	+ 79	+201	+361	+551	+621	+503	+409	+417	+239	+ 89	+ 5	-231
September	-160	-178	-202	-158	-104	- 90	- 96	- 90	- 92	- 80	- 74	- 90	- 62	- 28	+ 52	+174	+276	+306	+362	+320	+168	+ 48	- 56	-150
October	-154	-184	-248	-336	-240	-166	-134	- 84	-104	- 88	-116	-124	- 52	+ 58	+156	+360	+508	+488	+490	+334	+ 96	- 38	-148	-286
November	-201	-199	-179	-255	-229	-183	-177	-145	-131	- 93	- 75	- 27	+ 85	+137	+281	+359	+397	+335	+223	+125	+ 41	+ 17	- 27	- 73
December	-124	-162	-124	-134	-124	- 82	- 78	- 70	- 90	- 78	- 68	- 58	- 60	- 22	+ 40	+ 84	+198	+202	+248	+226	+158	+ 86	+ 64	- 38
Year	-124	-180	-206	-240	-207	-184	-146	-113	-104	-108	-123	-119	- 69	+ 11	+119	+239	+326	+341	+333	+302	+196	+ 90	+ 22	- 60
Winter	-119	-145	-144	-199	-171	-143	-126	-109	-105	- 97	- 95	- 79	- 32	+ 15	+104	+167	+241	+241	+251	+251	+178	+107	+ 48	- 39
Equinox	-116	-147	-188	-225	-179	-150	-129	-101	-108	-120	-143	-151	- 95	+ 2	+126	+281	+385	+398	+371	+290	+145	+ 15	- 48	-121
Summer	-137	-248	-286	-295	-272	-258	-185	-130	-100	-107	-132	-127	- 80	+ 17	+126	+270	+354	+385	+377	+365	+267	+149	+ 68	- 20

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

Values of a_n, b_n in the series $\Sigma\ (a_n \cos nt + b_n \sin nt)$, t being reckoned in hours from 0^h U.T. and converted into arc at the rate of 15° to each hour.

Month and Season	NORTH COMPONENT								WEST COMPONENT								VERTICAL COMPONENT							
	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4
												All Days												
1950	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.	+ 4.3	+ 3.9	− 3.8	−1.1	+2.6	−2.2	−0.2	+1.0	−10.5	− 6.5	−1.0	+ 5.7	−0.7	−0.8	+1.9	+2.2	+3.2	− 5.5	− 2.5	−1.5	+0.6	+0.2	−0.3	−0.5
Feb.	+ 6.2	+ 4.5	− 5.6	−1.2	+2.7	−1.2	−0.8	+0.5	−12.1	− 7.0	−0.5	+ 9.6	−1.1	−2.5	+1.6	+2.3	+2.3	− 7.9	− 4.2	−1.9	+1.1	+0.1	−1.0	+0.7
March	+12.7	+ 3.7	− 6.6	−1.3	+2.3	−1.9	−0.8	+1.7	−10.2	−12.2	+3.6	+ 8.8	−3.6	−5.5	+2.0	+3.4	+5.4	− 6.7	− 5.6	−0.3	+3.8	−0.1	−0.7	−0.4
April	+17.9	− 0.4	−10.6	−0.4	+2.7	−0.7	−0.8	+0.1	−13.3	−15.9	+5.0	+15.5	−3.7	−6.3	+2.8	+1.6	+6.3	−10.9	− 9.6	−1.5	+4.0	+1.0	−0.9	+0.5
May	+16.3	− 7.3	− 9.4	−0.6	−0.7	+0.5	+0.6	−0.4	−12.5	−23.2	+9.3	+13.9	−5.0	−3.1	+0.6	−0.2	+7.8	− 9.6	−11.3	−1.5	+2.9	+0.4	−0.3	+0.6
June	+15.5	− 5.2	− 8.0	+1.1	−1.0	−0.0	+0.8	−0.4	−10.6	−23.6	+6.9	+11.9	−4.2	−3.1	+0.5	−1.4	+7.4	− 8.2	− 8.0	−2.4	+2.6	+0.3	−0.3	+0.2
July	+18.2	− 5.7	− 9.9	+0.7	−1.3	−1.6	+0.6	+0.5	−10.5	−23.9	+4.6	+13.3	−3.2	−2.7	−0.0	+0.1	+5.3	− 7.2	− 8.5	−3.0	+1.8	+0.3	−0.0	+0.1
Aug.	+16.7	− 7.8	− 6.8	+1.2	−2.1	−1.0	+1.9	−0.2	−14.7	−17.0	+4.8	+10.6	−4.4	−3.2	+0.5	−0.5	+0.2	−11.7	− 7.9	−1.7	+2.2	−0.1	−1.0	−0.6
Sept.	+14.8	− 3.0	− 5.4	+1.1	−0.2	−3.5	+0.1	+0.9	−15.1	− 7.2	+5.9	+11.2	−2.2	−2.8	+2.4	+2.1	+0.8	− 8.3	− 8.3	−1.9	+1.3	+0.3	−1.0	−0.3
Oct.	+15.9	+ 2.6	− 5.7	+1.2	+1.0	−3.1	+1.8	+2.4	−12.7	− 0.3	+3.9	+ 9.8	−1.0	−5.0	+3.4	+1.9	−3.1	−11.8	− 6.9	−1.1	+2.7	+0.6	−0.1	−0.1
Nov.	+ 9.0	+ 2.9	− 4.7	−2.0	+1.2	−2.1	−0.3	+0.6	−11.1	+ 0.6	+1.1	+ 6.8	−1.5	−1.0	+1.6	+2.0	−1.4	− 8.7	− 3.0	+0.2	+1.4	−0.6	−0.6	−0.2
Dec.	+ 1.4	+ 4.7	− 1.7	−0.8	+0.5	−1.9	+0.7	+0.1	−12.0	+ 2.6	−0.5	+ 3.8	−0.1	+0.5	+1.2	+0.3	+1.1	− 6.4	− 2.5	−0.7	−0.3	−0.3	−0.3	−0.0
Year	+12.4	− 0.6	− 6.5	−0.2	+0.7	−1.6	+0.3	+0.6	−12.1	−11.1	+3.6	+10.1	−2.6	−3.0	+1.5	+1.2	+2.9	− 8.6	− 6.5	−1.5	+2.0	+0.2	−0.6	0.0
Winter	+ 5.2	+ 4.0	− 3.9	−1.3	+1.8	−1.9	−0.1	+0.6	−11.4	− 2.6	−0.2	+ 6.5	−0.8	−1.0	+1.5	+1.7	+1.3	− 7.1	− 3.0	−1.0	+0.7	−0.2	−0.6	+0.0
Equinox	+15.3	+ 0.7	− 7.1	+0.1	+1.5	−2.3	+0.1	+1.3	−12.8	− 8.9	+4.6	+11.3	−2.6	−4.9	+2.6	+2.3	+2.3	− 9.5	− 7.6	−1.2	+2.9	+0.5	−0.7	−0.1
Summer	+16.7	− 6.5	− 8.5	+0.6	−1.3	−0.5	+1.0	−0.1	−12.0	−22.0	+6.4	+12.4	−4.2	−3.0	+0.4	−0.5	+5.2	− 9.2	− 8.9	−2.2	+2.4	+0.2	−0.4	+0.1
												INTERNATIONAL QUIET DAYS												
Year	+10.5	− 0.6	− 6.3	−0.8	+1.3	−1.4	+0.2	+0.1	− 6.3	−12.4	+5.1	+ 8.9	−3.6	−2.9	+1.3	+1.3	+5.0	− 1.8	− 5.1	−0.6	+2.1	−0.5	−0.6	−0.2
Winter	+ 3.7	+ 2.0	− 4.3	−1.4	+1.9	−1.4	−0.2	+0.4	− 6.0	− 4.8	+1.3	+ 4.9	−1.8	−1.5	+1.0	+1.4	+2.6	− 2.0	− 1.8	−0.4	+0.8	−0.4	−0.4	−0.0
Equinox	+12.2	+ 0.1	− 6.7	−0.8	+1.6	−1.5	+0.2	+0.7	− 7.2	−12.6	+5.0	+10.4	−4.6	−4.3	+2.5	+2.0	+5.6	− 1.4	− 5.6	−1.1	+2.9	−0.5	−1.0	0.0
Summer	+15.6	− 3.9	− 7.8	+0.0	+0.3	−1.1	+0.7	−0.6	− 5.7	−19.7	+9.1	+11.3	−4.4	−2.9	+0.2	+0.5	+6.8	− 1.9	− 8.1	−0.3	+2.6	−0.4	−0.5	−0.4
												INTERNATIONAL DISTURBED DAYS												
Year	+16.2	+ 0.4	− 8.2	+1.6	−0.7	−1.3	−0.6	+1.5	−23.4	− 8.9	+0.2	+11.6	−1.5	−3.9	+2.2	+1.7	−2.5	−24.0	− 9.6	−1.9	+2.7	+1.5	−0.1	+0.4
Winter	+ 8.5	+ 9.8	− 4.8	−0.3	+1.8	−0.7	−0.9	+1.8	−21.8	+ 3.4	−3.0	+ 9.3	+0.9	−1.5	+3.3	+4.0	−1.4	−19.1	− 6.4	−1.9	+0.8	+0.3	−0.4	+0.3
Equinox	+21.2	+ 2.9	− 9.0	+1.5	+0.7	−5.5	−1.3	+2.7	−22.3	− 8.4	+4.1	+12.8	−0.9	−5.0	+2.0	+4.3	−3.4	−24.7	−12.7	+0.7	+3.9	+3.0	+0.6	+0.4
Summer	+18.9	−11.5	−10.7	+3.7	−4.6	+2.4	+0.5	+0.1	−26.1	−21.7	−0.5	+12.8	−4.2	−5.0	+1.5	−3.4	−2.6	−28.1	− 9.7	−4.5	+3.5	+1.2	−0.5	+0.3

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 Local *Apparent* 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′	Winter	+0°12′
February	+3 28	May	−0 51	August	+0 59	November	−3 42	Equinox	−0 36
March	+2 12	June	+0 5	September	−1 12	December	−1 6	Summer	+0 24

Month and Season	NORTH COMPONENT								WEST COMPONENT								VERTICAL COMPONENT							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
												All Days												
1950	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
Jan.	5.8	48	3.9	255	3.4	131	1.0	350	12.4	239	5.8	351	1.1	221	2.9	41	6.3	150	2.9	239	0.6	70	0.6	211
Feb.	7.6	55	5.7	258	3.0	116	0.9	306	14.0	240	9.6	358	2.7	206	2.8	35	8.2	164	4.7	247	1.1	85	1.3	307
March	13.2	74	6.8	260	3.0	131	1.9	338	15.9	220	9.5	23	6.5	215	3.9	32	8.6	142	5.6	267	3.8	93	0.8	242
April	17.9	92	10.6	269	2.8	105	0.8	282	20.7	220	16.3	19	7.3	212	3.2	61	12.6	151	9.8	262	4.1	77	1.1	298
May	17.9	115	9.4	267	0.8	310	0.7	123	26.3	209	16.7	35	5.8	240	0.6	114	12.3	141	11.4	263	2.9	83	0.7	335
June	16.4	109	8.0	278	1.0	269	0.9	116	25.9	205	13.8	31	5.2	234	1.5	161	11.1	139	8.4	254	2.6	85	0.3	313
July	19.0	108	9.9	275	2.0	220	0.8	49	26.1	204	14.0	20	4.2	231	0.1	348	8.9	144	9.0	251	1.9	83	0.1	344
Aug.	18.4	116	6.9	281	2.3	247	1.9	98	22.5	221	11.7	25	5.5	236	0.7	137	11.7	179	8.1	259	2.2	93	1.2	241
Sept.	15.1	102	5.5	283	3.5	184	0.9	10	16.8	245	12.6	29	3.6	219	3.2	51	8.4	175	8.5	258	1.3	77	1.1	256
Oct.	16.1	81	5.8	282	3.3	164	3.0	39	12.7	269	10.5	22	5.1	192	3.9	63	12.4	195	7.0	262	2.8	79	0.1	223
Nov.	9.5	72	5.1	248	2.4	151	0.7	336	11.1	274	6.9	10	1.8	238	2.5	40	8.8	190	3.0	274	1.5	116	0.7	257
Dec.	4.9	17	1.9	246	2.0	166	0.7	85	12.3	283	3.9	353	0.5	355	1.2	79	6.5	170	2.6	254	0.4	223	0.3	269
Year	12.4	93	6.5	270	1.7	159	0.7	29	16.4	228	10.7	20	3.9	222	1.9	55	9.1	162	6.7	258	2.0	86	0.6	272
Winter	6.6	53	4.1	253	2.6	138	0.6	349	11.7	258	6.5	359	1.3	222	2.3	44	7.2	170	3.2	253	0.7	104	0.6	274
Equinox	15.4	88	7.1	272	2.7	149	1.3	7	15.6	236	12.2	23	5.6	209	3.5	51	9.8	167	7.7	262	3.0	83	0.7	264
Summer	17.9	112	8.5	275	1.4	250	1.0	98	25.1	209	14.0	28	5.2	236	0.7	142	10.5	151	9.2	257	2.4	86	0.4	284
												INTERNATIONAL QUIET DAYS												
Year	10.5	94	6.3	264	1.9	138	0.3	65	13.9	207	10.2	31	4.6	232	1.8	46	5.3	110	5.2	264	2.2	103	0.6	258
Winter	4.2	62	4.6	253	2.4	127	0.5	337	7.7	231	5.0	16	2.3	231	1.7	38	3.3	129	1.8	260	0.9	115	0.4	269
Equinox	12.2	90	6.7	264	2.2	134	0.7	16	14.5	210	11.5	26	6.3	228	3.2	53	5.8	105	5.7	259	3.0	102	1.0	272
Summer	16.0	104	7.8	271	1.1	168	1.0	132	20.6	197	14.5	40	5.3	238	0.5	24	7.0	106	8.1	268	2.6	100	0.6	234
												INTERNATIONAL DISTURBED DAYS												
Year	16.2	89	8.3	282	1.4	209	1.6	341	25.0	250	11.6	2	4.1	202	2.8	55	24.1	186	9.8	260	3.1	62	0.4	347
Winter	13.0	42	4.8	267	2.0	112	2.0	336	22.1	279	9.8	343	1.7	151	5.2	41	19.2	185	6.7	254	0.8	71	0.5	309
Equinox	21.4	83	9.1	280	5.6	174	3.0	335	23.9	250	13.4	18	5.1	192	4.7	26	25.0	188	12.7	274	4.9	54	0.7	57
Summer	22.1	122	11.3	290	5.1	299	0.5	84	33.9	231	12.8	359	6.6	221	3.7	158	28.2	186	10.7	246	3.7	72	0.6	300

TABLE X. - RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF 1950

Month and Season	All Days			Quiet Days			Disturbed Days			All Days			Quiet Days			Disturbed Days		
	D	I	H	D	I	H	D	I	H	X	Y	Z	X	Y	Z	X	Y	Z
	′	′	γ	′	′	γ	′	′	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
January	6.16	1.26	19.6	4.72	0.89	15.2	12.12	3.47	38.2	21.4	32.7	15.5	17.0	24.9	10.0	40.3	65.8	36.8
February	7.77	1.49	24.3	7.04	1.50	26.8	19.06	4.27	51.4	27.0	40.5	23.1	28.8	37.5	12.4	42.4	105.6	77.0
March	9.63	1.66	30.5	10.10	0.79	20.8	12.80	4.42	65.6	34.4	50.3	28.4	25.4	52.7	24.6	69.4	62.5	57.6
April	13.46	2.22	43.4	13.26	2.55	50.0	14.44	3.39	49.4	46.1	71.0	42.4	52.2	69.4	29.0	56.4	75.0	64.8
May	14.32	2.08	45.4	12.66	1.56	36.6	15.06	3.25	64.8	45.7	76.3	44.5	40.5	66.9	41.6	62.5	83.9	68.2
June	13.00	1.96	40.0	11.68	2.15	36.4	14.80	3.08	54.6	39.5	71.0	36.1	33.4	62.6	23.0	48.5	82.7	53.8
July	12.83	2.60	49.7	12.70	2.94	52.0	16.44	3.99	66.4	48.3	69.5	32.3	50.9	69.1	26.4	63.9	86.4	62.8
August	10.87	2.45	45.6	11.60	2.49	40.4	20.62	4.92	79.2	45.4	59.5	29.9	41.1	62.9	21.2	78.9	108.4	118.0
September	9.54	2.07	33.2	10.44	2.29	35.4	15.60	3.30	52.0	36.8	48.4	27.0	34.9	57.9	19.4	57.9	81.9	56.4
October	9.30	2.70	39.3	6.98	1.71	28.2	18.88	5.42	71.0	40.5	47.2	33.5	29.3	37.0	11.8	71.9	97.7	84.4
November	7.27	1.62	22.5	3.56	0.85	13.0	9.78	5.04	63.8	25.4	36.7	20.7	14.9	19.2	8.2	67.6	52.3	65.2
December	5.76	1.43	15.7	4.22	0.73	10.4	10.12	3.43	39.4	14.4	31.1	14.3	11.1	22.2	9.6	35.8	55.5	41.0
Year	9.99	1.96	34.1	9.08	1.70	30.4	14.98	4.00	58.0	35.4	52.9	29.0	31.6	48.5	19.8	58.0	79.8	65.5
Winter	6.74	1.45	20.5	4.89	0.99	16.4	12.77	4.05	48.2	22.1	35.3	18.4	18.0	26.0	10.1	46.5	69.8	55.0
Equinox	10.48	2.16	36.6	10.20	1.84	33.6	15.43	4.13	59.5	39.5	54.2	32.8	35.5	54.3	21.2	63.9	79.3	65.8
Summer	12.76	2.27	45.2	12.16	2.29	41.4	16.73	3.81	66.3	44.7	69.1	35.7	41.5	65.4	28.1	63.5	90.4	75.7

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

Month 1950	All Days			Quiet Days			Disturbed Days		
	Declination	Horizontal Intensity	Vertical Intensity	Declination	Horizontal Intensity	Vertical Intensity	Declination	Horizontal Intensity	Vertical Intensity
	′	γ	γ	′	γ	γ	′	γ	γ
January	+0.01	+0.2	0.0	+0.20	+5.0	−1.6	+1.02	− 0.4	+ 1.4
February	−0.11	−0.0	+0.1	+0.56	+4.6	−4.4	−1.28	−10.2	+ 3.2
March	+0.00	+0.1	+0.2	−0.36	−1.2	−0.4	+0.60	−13.6	+ 6.6
April	+0.03	−0.3	+0.2	−0.56	+4.0	+0.8	−1.84	−17.2	+ 1.4
May	−0.11	+0.9	−0.6	+0.54	+4.8	−0.8	+0.60	− 3.0	+ 3.4
June	−0.06	−0.5	+0.4	+0.46	+7.0	−2.4	+0.36	− 4.2	+ 4.2
July	+0.10	+0.5	−0.2	+0.62	+6.8	−1.4	+0.78	+ 0.4	+ 6.4
August	−0.08	−0.4	+0.3	−0.02	+2.2	−1.4	+2.16	− 7.8	+ 7.6
September	+0.01	+0.5	−0.2	+0.54	+9.2	−3.2	−0.20	+ 0.2	− 3.8
October	−0.03	−1.1	+0.1	−0.32	+5.6	−2.0	−2.20	−18.8	−11.8
November	0.00	+0.4	+0.1	+0.20	+7.2	−1.0	+1.08	− 4.2	+ 4.6
December	−0.06	+0.0	−0.0	−0.10	+0.4	+2.0	+0.58	+ 2.2	+ 0.8
Year 1950	..	..	..	+0.15	+4.6	−1.3	+0.14	− 6.4	+ 2.0

TABLE XII. - MEAN MONTHLY AND ANNUAL VALUES OF GEOMAGNETIC ELEMENTS

Month 1950	Declination West	Inclination	Intensity				
			Horizontal	North	West	Vertical	Total
	° ′	° ′	c.g.s.	c.g.s.	c.g.s.	c.g.s.	c.g.s.
January	9 23.6	66 43.0	.18623	.18373	.03039	.43278	.47115
February	9 22.6	66 43.4	.18619	.18370	.03033	.43283	.47118
March	9 22.2	66 43.4	.18620	.18372	.03031	.43284	.47119
April	9 21.1	66 43.1	.18624	.18376	.03026	.43283	.47120
May	9 20.4	66 42.5	.18632	.18385	.03024	.43281	.47121
June	9 19.9	66 42.0	.18640	.18393	.03022	.43283	.47126
July	9 19.1	66 42.4	.18636	.18390	.03018	.43286	.47127
August	9 18.6	66 43.3	.18625	.18380	.03013	.43291	.47128
September	9 18.0	66 43.3	.18627	.18382	.03010	.43295	.47132
October	9 17.2	66 43.6	.18623	.18379	.03005	.43297	.47132
November	9 16.9	66 43.3	.18629	.18385	.03005	.43300	.47137
December	9 16.4	66 42.7	.18636	.18392	.03003	.43297	.47137
Year 1950	9 19.7	66 43.0	.18628	.18382	.03019	.43288	.47126

TABLE XIII. - DAILY MEAN VALUE OF THE BASE-LINE OF THE DECLINATION MAGNETOGRAMS

Day	January	February	March	April	May	June	July	August	September	October	November	December
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	8 50.0	8 49.8	8 49.8	8 49.7	8 49.8	8 49.5	8 49.7	8 49.6	8 49.6	8 49.7	8 49.6	8 49.7
2	50.0	49.8	49.7	49.7	49.8	49.5	49.6	49.5	49.6	49.7	49.5	49.7
3	50.0	49.9	49.7	49.7	49.8	49.6	49.6	49.6	49.6	49.6	49.7	49.7
4	50.0	49.8	49.6	49.7	49.7	49.5	49.5	49.5	49.6	49.6	49.6	49.7
5	50.0	49.7	49.6	49.7	49.8	49.6	49.5	49.6	49.6	49.6	49.7	49.7
6	50.0	49.7	49.7	49.7	49.8	49.6	49.5	49.6	49.7	49.7	49.6	49.7
7	50.0	49.9	49.7	49.8	49.7	49.6	49.4	49.6	49.6	49.6	49.7	49.6
8	50.1	49.9	49.7	49.8	49.7	49.5	49.5	49.5	49.6	49.6	49.5	49.7
9	50.0	49.8	49.7	49.8	49.8	49.6	49.6	49.5	49.7	49.7	49.5	49.5
10	50.0	49.8	49.7	49.8	49.8	49.6	49.5	49.6	49.6	49.7	49.6	49.7
11	50.0	49.8	49.7	49.8	49.8	49.6	49.6	49.6	49.7	49.8	49.6	49.7
12	50.0	49.7	49.6	49.9	49.8	49.6	49.5	49.5	49.7	49.8	49.6	49.7
13	50.0	49.8	49.7	49.8	49.8	49.5	49.6	49.6	49.7	49.8	49.6	49.6
14	49.9	49.8	49.7	49.9	49.7	49.6	49.6	49.6	49.7	49.8	49.7	49.7
15	49.9	49.8	49.6	49.8	49.8	49.6	49.6	49.6	49.6	49.8	49.5	49.7
16	50.0	49.8	49.7	49.8	49.8	49.7	49.5	49.6	49.7	49.8	49.6	49.6
17	50.0	-	49.8	49.8	49.8	49.5	49.6	49.7	49.7	49.7	49.6	49.7
18	49.9	49.8	49.7	49.8	49.8	49.6	49.6	49.6	49.7	49.8	49.5	49.8
19	50.0	49.7	49.8	49.8	49.8	49.5	49.6	49.7	49.7	49.8	49.6	49.7
20	49.9	49.7	49.7	49.8	49.8	49.6	49.5	49.7	49.7	49.8	49.6	49.6
21	50.0	49.8	49.7	49.9	49.7	49.6	49.5	49.6	49.7	49.8	49.6	49.7
22	50.0	49.8	49.7	49.8	49.8	49.6	49.6	49.6	49.7	49.8	49.7	49.8
23	50.0	49.8	49.7	49.8	49.8	49.6	49.6	49.6	49.7	49.8	49.6	49.7
24	50.0	49.8	49.7	49.8	49.8	49.5	49.5	49.6	49.7	49.8	49.6	49.6
25	49.9	49.8	49.8	49.9	49.8	49.5	49.5	49.6	49.7	49.8	49.7	49.8
26	50.0	49.8	49.7	49.9	49.7	49.5	49.6	49.6	49.7	49.8	49.7	49.7
27	50.0	49.7	49.8	49.9	49.8	49.5	49.6	49.6	49.7	49.8	49.7	49.8
28	50.0	49.7	49.8	49.8	49.8	49.4	49.7	49.6	49.6	49.8	49.6	49.8
29	49.9		49.8	49.8	49.8	49.4	49.7	49.5	49.7	49.8	49.6	49.7
30	50.0		49.8	49.8	49.8	49.5	49.7	49.6	49.7	49.7	49.7	49.6
31	49.8		49.7		49.7		49.7	49.7		49.4		49.6

June 5. Temperature of recording room raised from 16.°0 C to 21.°0 C.
Nov. 7. " " " " lowered " 21.°0 C " 16.°0 C

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

Universal Time	No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line
		γ	γ
Jan. 2 10 22 - 10 31	8	18603	18488
3 10 17 - 10 26	8	18618	18488
4 10 27 - 10 35	8	18608	18489
5 9 57 - 10 5	8	18627	18489
6 10 4 - 10 17	8	18635	18489
7 10 21 - 10 29	8	18624	18489
9 9 50 - 9 59	8	18620	18489
10 10 13 - 10 25	8	18629	18489
11 10 19 - 10 30	8	18622	18489
12 10 10 - 10 20	8	18617	18488
13 10 7 - 10 16	8	18632	18488
14 9 54 - 10 0	4	18653	18489
16 10 32 - 10 40	8	18611	18488
17 10 3 - 10 16	8	18620	18490
18 10 10 - 10 21	8	18622	18490
19 10 0 - 10 9	8	18638	18490
20 9 59 - 10 9	8	18599	18490
21 10 6 - 10 22	8	18614	18490
23 10 15 - 10 26	8	18621	18490
24 9 46 - 9 56	8	18622	18490
25 9 44 - 9 54	8	18563	18489
26 10 14 - 10 25	8	18604	18490
27 9 50 - 10 5	8	18625	18489
28 9 55 - 10 4	8	18613	18489
30 10 23 - 10 32	8	18618	18489
31 9 53 - 10 5	8	18614	18489
Feb. 1 10 21 - 10 29	8	18609	18489
2 10 10 - 10 20	8	18609	18489
3 10 10 - 10 17	8	18595	18488
4 9 53 - 10 2	8	18622	18488
6 10 17 - 10 27	8	18610	18488
7 10 5 - 10 19	8	18625	18488
8 9 36 - 9 51	8	18612	18488
9 9 50 - 10 4	8	18620	18488
10 10 3 - 10 15	8	18620	18488
11 9 35 - 9 47	8	18622	18489
13 10 23 - 10 33	8	18616	18489
14 10 8 - 10 19	8	18622	18488
15 10 11 - 10 19	8	18622	18488
16 9 59 - 10 7	8	18621	18488
17 10 4 - 10 13	8	18632	18488
18 10 3 - 10 14	8	18638	18489
20 10 22 - 10 30	8	18634	18489
21 10 23 - 10 34	8	18530	18488
22 10 7 - 10 18	8	18587	18487
23 10 12 - 10 21	8	18579	18487
24 10 9 - 10 21	8	18580	18488
25 10 21 - 10 28	8	18606	18489
Mar. 1 10 10 - 10 19	8	18612	18489
2 9 54 - 10 2	8	18618	18488
3 10 28 - 10 36	8	18610	18488
4 10 0 - 10 9	8	18618	18489
6 10 15 - 10 23	8	18608	18488
7 10 15 - 10 24	8	18580	18488
8 10 2 - 10 11	8	18610	18488
9 10 9 - 10 18	8	18624	18488
10 9 59 - 10 7	8	18626	18488
11 10 5 - 10 14	8	18632	18488
13 9 56 - 10 6	8	18631	18490
14 9 49 - 9 59	8	18636	18489
Mar. 15 9 30 - 10 3	8	18613	18489
16 9 44 - 9 53	8	18630	18490
17 10 2 - 10 11	8	18609	18488
18 9 51 - 10 1	8	18611	18488
20 10 23 - 10 32	8	18566	18488
21 10 15 - 10 24	8	18553	18487
22 10 15 - 10 24	8	18570	18488
23 10 17 - 10 25	8	18589	18487
24 10 15 - 10 23	8	18569	18488
25 10 0 - 10 8	8	18590	18488
27 10 8 - 10 16	8	18582	18488
28 10 15 - 10 24	8	18594	18488
29 10 1 - 10 12	8	18621	18488
30 10 16 - 10 23	8	18607	18488
31 10 11 - 10 20	8	18621	18489
Apr. 1 10 1 - 10 9	8	18594	18488
3 10 26 - 10 34	8	18581	18488
4 10 22 - 10 31	8	18580	18486
5 9 59 - 10 7	8	18568	18488
6 10 10 - 10 20	8	18569	18488
8 10 17 - 10 25	8	18604	18488
11 10 15 - 10 24	8	18599	18487
12 10 5 - 10 14	8	18601	18487
13 10 17 - 10 25	8	18607	18488
14 10 13 - 10 22	8	18612	18488
15 10 4 - 10 12	8	18624	18488
17 9 15 - 9 23	8	18608	18488
18 9 8 - 9 17	8	18599	18487
19 9 4 - 9 12	8	18609	18488
20 9 15 - 9 22	8	18595	18488
21 8 58 - 9 9	8	18605	18487
22 8 32 - 8 41	8	18627	18488
24 8 53 - 9 2	8	18595	18487
25 8 46 - 8 55	8	18613	18488
26 9 31 - 9 38	8	18606	18488
27 9 21 - 9 30	8	18622	18488
28 8 39 - 8 47	8	18634	18488
29 8 48 - 9 0	8	18616	18488
May 1 9 16 - 9 25	8	18582	18487
2 8 50 - 8 58	8	18603	18486
3 8 56 - 9 5	8	18579	18486
4 8 56 - 9 5	8	18592	18486
5 8 51 - 9 7	8	18578	18487
6 9 21 - 9 29	8	18600	18486
8 9 17 - 9 24	8	18612	18487
9 9 14 - 9 22	8	18620	18487
11 9 7 - 9 15	8	18609	18487
12 9 15 - 9 25	8	18642	18487
13 9 14 - 9 22	8	18639	18487
15 9 8 - 9 16	8	18608	18487
16 9 7 - 9 17	8	18609	18487
17 9 5 - 9 12	8	18617	18487
18 8 59 - 9 7	8	18621	18486
19 9 8 - 9 16	8	18623	18487
20 9 15 - 9 24	8	18631	18487
22 9 15 - 9 24	8	18628	18487
23 9 21 - 9 30	8	18624	18488
25 9 20 - 9 29	8	18630	18487
26 9 19 - 9 28	8	18600	18486
30 9 22 - 9 31	8	18596	18486
31 9 16 - 9 25	8	18607	18487
June 2 9 2 - 9 11	8	18589	18486
3 9 0 - 9 8	8	18622	18487
6 8 59 - 9 9	8	18614	18484
7 9 3 - 9 15	8	18620	18486
8 9 9 - 9 20	8	18644	18486
9 9 7 - 9 16	8	18611	18486
10 9 6 - 9 17	8	18618	18486
12 9 21 - 9 30	8	18622	18485
13 9 1 - 9 11	8	18625	18485
14 9 2 - 9 9	8	18625	18485
15 9 5 - 9 13	8	18621	18486
16 9 9 - 9 18	8	18630	18486
17 9 9 - 9 30	8	18623	18486
19 8 56 - 9 12	8	18623	18486
20 8 52 - 9 3	8	18641	18485
21 8 52 - 9 3	8	18637	18485
22 9 1 - 9 8	4	18653	18486
23 8 48 - 9 0	8	18621	18485
24 8 54 - 9 8	8	18605	18483
25 9 4 - 9 16	8	18572	18484
27 8 51 - 9 3	8	18638	18485
July 4 11 0 - 11 8	8	18581	18483
5 9 14 - 9 29	8	18606	18484
6 9 17 - 9 30	8	18611	18483
7 9 9 - 9 18	8	18626	18485
8 9 17 - 9 25	8	18617	18485
10 9 14 - 9 22	8	18611	18485
11 9 14 - 9 23	8	18626	18485
12 8 59 - 9 8	8	18585	18483
13 9 9 - 9 18	8	18612	18484
14 9 7 - 9 16	8	18609	18483
15 8 51 - 9 0	8	18619	18484
17 9 11 - 9 19	8	18603	18483
18 8 48 - 8 57	8	18615	18483
19 9 8 - 9 17	8	18612	18483
20 9 29 - 9 39	8	18634	18483
21 8 51 - 8 59	8	18630	18485
22 9 13 - 9 22	8	18609	18482
24 9 19 - 9 28	8	18642	18484
25 9 15 - 9 25	8	18560	18481
26 9 10 - 9 20	8	18612	18483
27 9 22 - 9 31	8	18618	18484
28 9 16 - 9 25	8	18603	18484
29 9 23 - 9 31	8	18626	18484
31 9 24 - 9 32	8	18602	18483
Aug. 1 9 14 - 9 21	8	18627	18484
2 9 20 - 9 28	8	18618	18484
3 9 18 - 9 26	8	18601	18484
4 9 19 - 9 28	8	18614	18483
5 9 10 - 9 18	8	18625	18483
8 9 26 - 9 34	8	18614	18482
9 9 4 - 9 11	8	18580	18482
10 9 6 - 9 17	8	18609	18483
11 9 1 - 9 9	8	18610	18483
12 9 7 - 9 15	8	18575	18483
14 9 25 - 9 34	8	18601	18482
15 9 1 - 9 10	8	18607	18484
16 8 53 - 9 2	8	18622	18483
17 9 6 - 9 14	8	18612	18482
18 9 15 - 9 24	8	18629	18482

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

Universal Time	No. of Obs.	Observed Horizontal Intensity	Deduced Value of Base-line
		γ	γ
Aug. 19 9 9 - 9 18	8	18531	18481
21 8 45 - 8 54	8	18581	18483
22 8 51 - 9 1	8	18586	18482
23 9 16 - 9 24	8	18595	18483
24 9 24 - 9 32	8	18587	18481
25 9 17 - 9 25	8	18592	18481
26 9 23 - 9 32	8	18605	18481
28 9 8 - 9 15	8	18618	18481
29 9 0 - 9 7	8	18612	18482
30 9 14 - 9 22	8	18608	18482
31 9 3 - 9 16	8	18622	18481
Sept. 1 9 2 - 9 10	8	18608	18483
2 9 12 - 9 20	8	18615	18482
4 9 4 - 9 12	8	18566	18482
5 9 22 - 9 31	8	18541	18482
6 8 49 - 8 57	8	18600	18481
7 8 47 - 8 57	8	18598	18481
8 8 53 - 9 1	8	18564	18481
9 9 26 - 9 36	8	18605	18482
11 8 44 - 8 52	8	18622	18481
12 9 19 - 9 27	8	18603	18482
13 8 45 - 8 54	8	18609	18481
14 9 2 - 9 9	8	18606	18481
15 9 15 - 9 24	8	18609	18481
16 9 16 - 9 27	8	18621	18481
18 9 5 - 9 13	8	18591	18482
19 9 11 - 9 19	8	18623	18483
20 9 13 - 9 21	8	18627	18483
21 9 14 - 9 23	8	18609	18482
22 9 15 - 9 24	8	18620	18482
23 9 19 - 9 29	8	18643	18483
25 9 20 - 9 29	8	18617	18482
26 9 8 - 9 17	8	18625	18483
27 9 7 - 9 16	8	18613	18483
28 8 48 - 8 58	8	18620	18482
29 8 55 - 9 4	8	18620	18482
30 8 56 - 9 5	8	18614	18482
Oct. 3 8 58 - 9 8	8	18596	18483
4 8 52 - 9 4	8	18601	18482
5 11 3 - 11 14	8	18578	18481
6 9 7 - 9 16	8	18611	18482
7 9 12 - 9 20	8	18604	18481
9 9 23 - 9 31	8	18584	18482
10 9 3 - 9 10	8	18617	18482
11 9 20 - 9 28	8	18618	18482
12 9 6 - 9 14	8	18608	18482
13 9 32 - 9 41	8	18618	18482
14 9 4 - 9 13	8	18623	18482
16 9 16 - 9 25	8	18582	18481
17 9 24 - 9 32	8	18581	18481
18 8 41 - 8 49	8	18596	18480
19 9 3 - 9 13	8	18618	18481
20 9 15 - 9 24	8	18626	18482
21 9 13 - 9 22	8	18634	18482
23 10 18 - 10 26	8	18635	18481
24 10 12 - 10 21	8	18625	18481
25 9 59 - 10 8	8	18629	18482
26 10 12 - 10 21	8	18623	18481
27 10 9 - 10 20	8	18623	18483
28 10 33 - 10 45	8	18542	18482
30 10 31 - 10 39	8	18598	18482
31 10 7 - 10 17	8	18584	18481
Nov. 1 10 13 - 10 22	8	18603	18482
2 10 25 - 10 34	8	18586	18481
3 9 58 - 10 6	8	18606	18482
4 10 17 - 10 27	8	18583	18480
6 10 21 - 10 31	8	18627	18483
7 9 55 - 10 3	8	18635	18482
8 10 22 - 10 31	8	18638	18483
9 10 1 - 10 12	8	18633	18482
10 10 9 - 10 18	8	18585	18481
11 10 29 - 10 38	8	18595	18482
13 10 25 - 10 35	8	18625	18483
Nov. 14 10 17 - 10 28	8	18628	18482
15 10 14 - 10 23	8	18629	18482
16 10 19 - 10 27	8	18635	18482
17 10 11 - 10 19	8	18651	18483
18 10 7 - 10 17	8	18643	18483
20 10 7 - 10 17	8	18637	18483
21 10 13 - 10 21	8	18644	18483
22 10 16 - 10 25	8	18645	18483
23 10 19 - 10 28	8	18631	18483
24 10 26 - 10 35	8	18636	18483
25 10 17 - 10 25	8	18609	18481
27 10 14 - 10 23	8	18607	18481
29 10 8 - 10 16	8	18609	18482
30 11 19 - 11 29	8	18626	18482
Dec. 1 10 15 - 10 23	8	18631	18482
2 10 18 - 10 25	8	18630	18482
4 10 31 - 10 39	8	18633	18482
5 10 20 - 10 29	8	18656	18484
6 10 23 - 10 32	8	18617	18482
7 10 15 - 10 24	8	18646	18484
9 10 19 - 10 27	8	18634	18483
11 10 30 - 10 38	8	18640	18483
12 10 1 - 10 11	8	18657	18484
13 10 16 - 10 24	8	18605	18482
14 10 16 - 10 24	8	18628	18483
15 10 22 - 10 30	8	18629	18483
16 10 23 - 10 31	8	18639	18483
18 10 32 - 10 41	8	18644	18484
19 10 14 - 10 25	8	18640	18483
20 10 11 - 10 22	8	18637	18482
21 10 22 - 10 31	8	18651	18482
23 10 22 - 10 31	8	18614	18482
27 10 26 - 10 37	8	18624	18483
28 10 17 - 10 28	8	18629	18482
29 10 31 - 10 41	8	18633	18483
30 10 28 - 10 36	8	18650	18484

June 5. Temperature of recording room raised from 16°.0 C to 21°.0 C.
Nov. 7. " " " " lowered " 21°.0 C " 16°.0 C.

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

Universal Time	No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line
		γ	γ
Jan. 2 9 53 - 10 17	8	43283	43044
3 9 52 - 10 11	8	43282	43047
4 10 1 - 10 22	8	43278	43045
5 9 39 - 9 51	8	43269	43045
6 9 38 - 9 56	8	43268	43045
7 9 35 - 10 17	8	43270	43045
9 9 21 - 9 45	8	43269	43045
10 9 44 - 10 9	8	43278	43048
11 9 40 - 10 7	8	43276	43046
12 9 37 - 9 57	8	43276	43046
13 9 36 - 9 57	8	43273	43045
14 9 21 - 9 40	8	43275	43047
16 10 6 - 10 24	8	43265	43044
17 9 39 - 9 57	8	43273	43043
18 9 35 - 10 2	8	43263	43043
19 9 37 - 9 55	8	43267	43045
20 9 30 - 9 53	8	43270	43044
21 9 35 - 10 1	8	43269	43044
23 9 50 - 10 8	8	43270	43042
24 9 24 - 9 39	8	43271	43044
25 9 17 - 9 38	8	43273	43042
26 9 43 - 10 6	8	43275	43043
27 9 26 - 9 46	8	43276	43042
28 9 30 - 9 50	8	43273	43043
30 9 52 - 10 18	8	43272	43044
31 9 17 - 9 43	8	43285	43044
Feb. 1 9 56 - 10 15	8	43271	43042
2 9 43 - 10 4	8	43279	43044
3 9 39 - 10 5	8	43281	43044
4 9 22 - 9 43	8	43282	43045
6 9 47 - 10 12	8	43278	43044
7 9 29 - 9 55	8	43279	43046
8 9 8 - 9 27	8	43278	43046
9 9 13 - 9 41	8	43278	43045
10 9 24 - 9 52	8	43282	43046
11 9 57 - 10 13	8	43274	43045
13 9 51 - 10 17	8	43270	43044
14 9 36 - 10 3	8	43272	43046
15 9 43 - 10 6	8	43270	43044
16 9 31 - 9 53	8	43274	43044
17 9 35 - 10 0	8	43265	43045
18 9 36 - 9 56	8	43267	43046
20 9 50 - 10 18	8	43263	43045
21 9 54 - 10 18	8	43296	43043
22 9 35 - 9 59	8	43293	43044
23 9 50 - 10 6	8	43286	43046
24 9 47 - 10 3	8	43270	43044
25 9 54 - 10 16	8	43276	43045
28 9 25 - 9 40	8	43286	43042
Mar. 1 9 40 - 10 3	8	43286	43043
2 9 33 - 9 49	8	43282	43042
3 10 3 - 10 23	8	43278	43044
4 9 33 - 9 55	8	43278	43043
6 9 48 - 10 9	8	43274	43044
7 9 40 - 10 8	8	43272	43045
8 9 38 - 9 56	8	43277	43044
9 9 39 - 10 2	8	43269	43042
10 9 35 - 9 53	8	43269	43043
11 9 43 - 10 1	8	43261	43043
13 9 31 - 9 50	8	43273	43044
Mar. 14 9 16 - 9 36	8	43261	43043
16 9 17 - 9 37	8	43278	43044
17 9 33 - 9 55	8	43276	43043
18 9 16 - 9 41	8	43270	43043
20 9 55 - 10 19	8	43290	43043
21 9 45 - 10 11	8	43275	43044
22 9 42 - 10 11	8	43283	43043
23 9 53 - 10 10	8	43284	43044
24 9 47 - 10 8	8	43276	43044
25 9 31 - 9 54	8	43280	43043
27 9 45 - 10 1	8	43267	43044
28 9 39 - 10 9	8	43285	43044
29 9 35 - 10 55	8	43267	43043
30 9 48 - 10 12	8	43277	43044
31 9 45 - 10 5	8	43266	43044
Apr. 1 9 34 - 9 55	8	43281	43044
3 9 58 - 10 20	8	43269	43044
4 9 49 - 10 17	8	43271	43043
5 9 38 - 9 55	8	43284	43043
6 9 41 - 10 4	8	43284	43044
8 9 50 - 10 9	8	43275	43043
11 9 52 - 10 8	8	43263	43043
12 9 41 - 10 0	8	43262	43042
13 9 51 - 10 11	8	43271	43043
14 9 48 - 10 10	8	43268	43044
15 9 46 - 10 0	8	43259	43042
17 8 49 - 10 9	8	43273	43044
18 8 40 - 9 4	8	43281	43043
19 8 46 - 9 0	8	43281	43043
20 8 45 - 9 10	8	43282	43043
21 8 20 - 8 49	8	43299	43044
22 8 6 - 8 27	8	43289	43044
24 8 26 - 8 47	8	43276	43043
25 8 20 - 8 41	8	43278	43043
26 8 58 - 9 27	8	43280	43043
27 8 47 - 9 17	8	43277	43044
28 8 16 - 8 34	8	43267	43043
29 8 23 - 8 41	8	43281	43044
May 1 8 54 - 9 12	8	43279	43044
2 8 29 - 8 45	8	43289	43044
3 8 33 - 8 51	8	43275	43046
4 8 36 - 8 52	8	43283	43042
5 8 22 - 8 45	8	43272	43044
6 8 48 - 9 17	8	43277	43043
8 8 53 - 9 10	8	43267	43043
9 8 50 - 9 5	8	43276	43043
11 8 46 - 9 1	8	43263	43044
12 8 45 - 9 9	8	43268	43044
13 8 53 - 9 11	8	43265	43044
15 8 42 - 9 3	8	43266	43044
16 8 49 - 9 4	8	43268	43043
17 8 38 - 9 0	8	43277	43045
18 8 37 - 8 53	8	43287	43044
19 8 42 - 9 3	8	43277	43045
20 8 56 - 9 11	8	43271	43044
22 8 45 - 9 9	8	43262	43044
23 8 55 - 9 16	8	43258	43044
25 8 53 - 9 12	8	43277	43044
26 8 57 - 9 14	8	43261	43044
May 30 9 3 - 9 16	8	43277	43045
31 8 58 - 9 10	8	43280	43045
June 2 8 34 - 8 56	8	43262	43045
3 8 36 - 8 54	8	43284	43044
6 8 34 - 8 54	8	43255	43046
7 8 38 - 8 55	8	43290	43047
8 8 41 - 9 3	8	43274	43045
9 8 34 - 9 3	8	43265	43048
10 8 40 - 9 1	8	43283	43048
12 8 55 - 9 17	8	43279	43046
13 8 32 - 8 53	8	43275	43046
14 8 43 - 8 56	8	43282	43047
15 8 33 - 8 59	8	43277	43047
16 8 48 - 9 4	8	43276	43048
17 8 39 - 8 57	8	43274	43047
19 8 21 - 8 43	8	43286	43047
20 8 25 - 8 47	8	43276	43047
21 8 26 - 8 46	8	43278	43047
22 8 21 - 8 34	8	43273	43046
23 8 19 - 8 37	8	43278	43047
24 8 25 - 8 45	8	43267	43045
25 8 31 - 8 53	8	43282	43046
27 8 21 - 8 42	8	43286	43047
July 4 10 36 - 10 54	8	43282	43048
5 8 8 - 8 35	8	43291	43048
6 8 53 - 9 6	8	43280	43048
7 8 48 - 9 6	8	43278	43049
8 8 54 - 9 13	8	43284	43047
10 8 49 - 9 11	8	43279	43047
11 8 46 - 9 10	8	43278	43047
12 8 31 - 8 55	8	43268	43046
13 8 44 - 9 4	8	43288	43047
14 8 45 - 9 4	8	43293	43048
15 8 28 - 8 46	8	43295	43047
17 8 52 - 9 7	8	43289	43049
18 8 14 - 8 44	8	43284	43047
19 8 49 - 9 3	8	43289	43048
20 8 53 - 9 20	8	43280	43047
21 8 22 - 8 46	8	43287	43048
22 8 44 - 9 8	8	43274	43047
24 8 51 - 9 16	8	43269	43048
25 8 50 - 9 9	8	43266	43048
26 8 40 - 9 0	8	43285	43049
27 8 57 - 9 18	8	43288	43048
28 8 42 - 9 9	8	43278	43047
29 9 8 - 9 18	8	43282	43047
31 8 54 - 9 19	8	43274	43046
Aug. 1 8 57 - 9 11	8	43274	43048
2 8 54 - 9 16	8	43272	43046
3 8 59 - 9 14	8	43266	43047
4 9 2 - 9 16	8	43278	43048
5 8 45 - 9 6	8	43284	43047
8 9 6 - 9 22	8	43282	43046
9 8 46 - 9 1	8	43284	43047
10 8 47 - 9 1	8	43286	43047
11 8 39 - 8 57	8	43288	43048
12 8 48 - 9 2	8	43293	43049

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

Universal Time				No. of Obs.	Observed Vertical Intensity	Deduced Value of Base-line
	h m		h m		Y	Y
Aug. 14	8 51	-	9 18	8	43283	43049
15	8 36	-	8 55	8	43281	43048
16	8 28	-	8 46	8	43288	43049
17	8 37	-	9 0	8	43283	43048
18	8 51	-	9 9	8	43283	43050
19	8 41	-	9 4	8	43262	43049
23	8 45	-	8 57	4	43309	43047
24	8 51	-	9 21	8	43306	43047
25	8 55	-	9 12	8	43290	43048
26	8 55	-	9 20	8	43293	43047
28	8 41	-	9 3	8	43289	43048
29	8 37	-	8 54	8	43279	43048
30	8 45	-	9 11	8	43283	43048
31	8 42	-	9 0	8	43289	43048
Sept. 1	8 37	-	8 58	8	43288	43047
2	8 52	-	9 8	8	43289	43048
4	8 38	-	8 59	8	43294	43047
5	8 58	-	9 16	8	43289	43047
6	8 22	-	8 40	8	43283	43047
7	8 18	-	8 42	8	43299	43047
8	8 20	-	8 48	8	43291	43047
9	8 48	-	9 18	8	43294	43047
11	8 22	-	8 40	8	43294	43047
12	9 0	-	9 15	8	43294	43047
13	8 26	-	8 41	8	43288	43046
14	8 37	-	8 56	8	43296	43047
15	8 55	-	9 11	8	43293	43047
16	8 53	-	9 12	8	43291	43047
18	8 31	-	9 1	8	43292	43048
19	8 52	-	9 7	8	43293	43048
20	8 48	-	9 9	8	43296	43048
21	8 55	-	9 10	8	43296	43047
22	8 51	-	9 13	8	43292	43048
23	8 52	-	9 13	8	43289	43047
25	8 48	-	9 17	8	43287	43047
26	8 33	-	9 3	8	43296	43047
27	8 37	-	9 4	8	43294	43046
28	8 26	-	8 41	8	43298	43047
Sept. 29	8 29	-	8 47	8	43292	43046
30	8 33	-	8 49	8	43289	43047
Oct. 3	8 29	-	8 49	8	43293	43046
4	8 22	-	8 44	8	43299	43049
5	11 26	-	11 42	8	43308	43048
6	8 39	-	9 2	8	43296	43047
7	8 47	-	9 8	8	43296	43048
9	9 6	-	9 19	8	43296	43048
10	8 35	-	8 56	8	43294	43046
11	8 56	-	9 17	8	43291	43046
12	8 35	-	9 2	8	43293	43046
14	8 42	-	9 0	8	43285	43046
16	8 48	-	9 11	8	43292	43046
17	9 1	-	9 19	8	43301	43046
18	8 18	-	8 36	8	43302	43046
19	8 28	-	8 58	8	43299	43047
20	8 47	-	9 10	8	43298	43049
21	8 56	-	9 10	8	43293	43046
23	9 54	-	10 14	8	43292	43047
24	9 46	-	10 9	8	43284	43045
25	9 39	-	9 54	8	43291	43047
26	9 46	-	10 7	8	43286	43047
27	9 47	-	10 4	8	43287	43046
28	10 5	-	10 25	8	43278	43045
30	9 42	-	10 13	8	43283	43046
31	9 45	-	10 2	8	43299	43048
Nov. 1	9 46	-	10 8	8	43301	43046
2	10 3	-	10 20	8	43308	43045
3	9 36	-	9 54	8	43308	43047
4	9 51	-	10 7	8	43305	43048
6	9 53	-	10 13	8	43294	43047
7	9 26	-	9 48	8	43295	43047
8	9 56	-	10 18	8	43291	43047
9	9 23	-	9 51	8	43294	43049
10	9 44	-	10 3	8	43293	43048
11	10 0	-	10 24	8	43298	43049
Nov. 13	10 1	-	10 19	8	43289	43049
14	9 59	-	10 13	8	43295	43048
15	9 46	-	10 9	8	43295	43048
16	9 54	-	10 16	8	43293	43049
17	9 47	-	10 7	8	43287	43048
18	9 41	-	10 4	8	43287	43048
20	9 46	-	10 3	8	43290	43049
21	9 51	-	10 9	8	43291	43050
22	9 53	-	10 11	8	43288	43049
23	9 55	-	10 15	8	43293	43048
24	9 53	-	10 23	8	43289	43048
25	9 52	-	10 14	8	43290	43049
27	9 51	-	10 10	8	43294	43049
29	9 50	-	10 3	8	43300	43047
30	9 54	-	10 35	4	43299	43048
Dec. 1	9 55	-	10 11	8	43292	43048
2	9 55	-	10 14	8	43297	43049
4	10 1	-	10 27	8	43294	43047
5	9 48	-	10 17	8	43292	43048
6	10 3	-	10 19	8	43292	43047
7	9 52	-	10 10	8	43289	43048
8	9 51	-	10 8	8	43283	43048
11	9 57	-	10 20	8	43286	43049
12	9 41	-	9 57	8	43282	43048
13	9 51	-	10 12	8	43297	43050
14	9 58	-	10 13	8	43290	43048
15	10 3	-	10 19	8	43293	43048
16	9 58	-	10 18	8	43290	43049
18	10 13	-	10 29	8	43294	43048
19	9 45	-	10 7	8	43291	43047
20	9 47	-	10 4	8	43290	43047
21	9 59	-	10 17	8	43287	43047
22	10 2	-	10 17	8	43286	43050
23	9 58	-	10 17	8	43303	43047
27	9 57	-	10 22	8	43300	43047
28	9 55	-	10 14	8	43292	43047
29	10 3	-	10 27	8	43303	43049
30	10 7	-	10 24	8	43295	43049

June 5. Temperature of recording room raised from 16.°0 C to 21.°0 C.
Nov. 7. " " " " lowered " 21.°0 C " 16.°0 C.

TABLE XV(A). - DAILY VALUE OF THE BASE-LINE OF THE VERTICAL INTENSITY MAGNETOGRAMS AT THE ABINGER MAGNETIC STATION, DEDUCED FROM OBSERVATIONS OF MAGNETIC DIP MADE WITH THE EARTH INDUCTOR

Day	January	February	March	April	May	June	July	August	September	October	November	December
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
1	-	43042	43041	43043	43040	-	43041	43045	43041	-	-	43044
2	43046	43039	43042	-	43041	43042	-	43043	43041	-	-	43043
3	43044	43042	43041	43044	43043	43042	-	43043	-	43045	43044	-
4	43042	43039	43039	43043	43042	-	43045	43043	43040	-	43046	43044
5	43043	-	-	43044	43043	-	43044	43042	43041	43044	-	43042
6	43043	43040	43044	43040	43040	43044	43044	-	43041	43043	43043	43045
7	43044	-	43044	-	-	43042	43043	-	43039	43042	43047	43046
8	-	43038	43043	43043	43041	43045	43044	43042	43040	-	43041	43046
9	43040	43041	43041	-	43041	43044	-	-	43040	43041	-	43044
10	43045	-	43042	-	-	43046	43044	43043	-	43044	43046	-
11	43044	43045	43038	43042	43039	-	43044	43043	43038	43039	43045	43049
12	43043	-	-	43042	43041	43044	43046	43043	43039	43043	-	43042
13	43043	43042	43039	43045	43043	43043	43045	-	43040	-	43047	43045
14	43041	43042	43040	43046	-	43045	43043	-	43039	43043	43045	43043
15	-	43044	-	43036	-	43045	43045	43043	43039	-	43044	43041
16	43045	43040	-	-	43040	43044	-	43045	43041	43042	43043	43046
17	43042	43044	43041	43043	-	-	43041	43041	-	43046	43046	-
18	43041	43042	43041	43043	-	-	43035	43043	43043	43044	43046	43045
19	43046	-	-	43040	-	43043	43043	43042	43042	43043	-	-
20	43042	43042	43040	43043	-	43044	43041	-	43041	43038	43048	-
21	43043	-	43044	43044	-	43044	43041	43042	43039	43042	43042	43045
22	-	43044	43042	43039	43040	43043	43042	43035	43040	-	43043	43042
23	43041	43041	43041	-	-	43044	-	43043	43041	43043	43042	43048
24	43042	-	43041	43043	-	-	43041	43037	-	43039	43045	-
25	43045	43042	43040	-	-	43044	43047	43042	43041	43041	43043	-
26	43043	-	-	-	43041	-	43048	43043	43042	43038	-	-
27	43043	-	43042	-	-	43045	43046	-	43037	43040	43044	43046
28	43042	-	43040	43042	-	-	43043	43044	43042	43040	-	43049
29	-		43042	43043	-	-	43042	43043	43044	-	43045	43045
30	43044		43041	-	43044	43043	-	43043	-	43040	43046	43045
31	43043		43042		43042		43045	43041		43040		-

June 5. Temperature of recording room raised from 16.°0 C to 21.°0 C.
Nov. 7. " " " " lowered " 21.°0 C " 16.°0 C.

TABLE XVI(A). - 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					
1870	19 53.0	0.1784	0.4392	67 52.5	1914	15 6.3	0.1853	0.4333	66 50.8
1871	19 41.9	0.1786	0.4389	67 50.3	1915	14 56.5	0.1851	0.4331	66 51.6
1872	19 36.8	0.1789	0.4383	67 47.8	1916	14 46.9	0.1848	0.4326	66 52.2
1873	19 33.4	0.1793	0.4386	67 45.8	1917	14 37.1	0.1848	0.4330*	66 53.0
1874	19 28.9	0.1797	0.4387	67 43.6	1918	14 27.8	0.1846	0.4325	66 52.8
1875	19 21.2	0.1797	0.4383	67 42.4	1919	14 18.2	0.1845	0.4324	66 53.3
1876	19 8.3	0.1799	0.4383	67 41.0	1920	14 8.6	0.1845	0.4325	66 53.6
1877	18 57.2	0.1800	0.4381	67 39.7	1921	13 57.6	0.1845	0.4322	66 53.0
1878	18 49.3	0.1802	0.4382	67 38.2	1922	13 46.7	0.1844	0.4318	66 52.3
1879	18 40.5	0.1805	0.4382	67 37.0	1923	13 35.1	0.1843	0.4314	66 51.9
1880	18 32.6	0.1805	0.4380	67 35.7	1924	13 22.8	0.1843	0.4311	66 51.6
1881	18 27.1	0.1807	0.4379	67 34.7	1925	13 9.9	0.1841	0.4308	66 51.4

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

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 a suspension of 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.

TABLE XVI(B). - MEAN ANNUAL VALUES OF MAGNETIC ELEMENTS DETERMINED AT THE ABINGER MAGNETIC STATION, FOR THE YEARS 1925-1950.

Year	Declination West	Horizontal Intensity	Vertical Intensity	Inclination
	° ′	C.G.S.Unit	C.G.S.Unit	° ′
1925	13 22.7	0.18597	0.42946	66 35.1
1926	13 10.4	0.18581	0.42947	66 36.3
1927	12 58.4	0.18575	0.42932	66 36.2
1928	12 47.0	0.18564	0.42941	66 37.3
1929	12 35.8	0.18555	0.42918	66 37.2
1930	12 24.6	0.18542	0.42924	66 38.2
1931	12 13.7	0.18543	0.42923	66 38.1
1932	12 2.6	0.18536	0.42940	66 39.1
1933	11 51.7	0.18532	0.42942	66 39.4
1934	11 41.1	0.18533	0.42955	66 39.7
1935	11 30.3	0.18527	0.42981	66 40.9
1936	11 20.0	0.18524	0.43007	66 41.8
1937	11 10.4	0.18522	0.43031	66 42.7
1938*	11 1.4	0.18522	0.43050	66 43.2
1939	10 51.9	0.18528	0.43074	66 43.5
1940	10 43.0	0.18533	0.43099	66 43.9
1941	10 33.8	0.18539	0.43128	66 44.3
1942	10 24.8	0.18554	0.43146	66 43.9
1943	10 16.2	0.18556	0.43172	66 44.5
1944	10 7.8	0.18566	0.43189	66 44.3
1945	9 59.5	0.18573	0.43207	66 44.3
1946	9 51.1	0.18569	0.43235	66 45.4
1947	9 43.1	0.18577	0.43246	66 45.2
1948	9 35.4	0.18593	0.43255	66 44.4
1949	9 27.5	0.18607	0.43273	66 44.0
1950	9 19.7	0.18628	0.43288	66 43.0

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.

* Discontinuities of -1.7γ in H and -3.9γ in Z were introduced in 1938. See Introduction pp. x and xi.

January. A small S.C. at $1^d\ 16^h\ 45^m$ (H +16γ) was followed by very minor activity only and until the 19th the traces remained singularly inactive. During this period the main features were isolated polar bays, the most important of which occurred at $3^d\ 22^h$ (H +40γ); $9^d\ 3^h$ (H +40γ); $10^d\ 1^h$ (H +35γ, D 6′W); $10^d\ 23^h$ (H +50γ); $11^d\ 23^h$ (D 9′E); $14^d\ 20^h$ (D 13′E); $16^d\ 22^h$ (D 8′E) and $18^d\ 22^h$ (D 4′E) the latter on a very quiet trace. From $19^d\ 18^h$ activity increased generally and continued on a moderate scale until about midnight on 21^d. Following this, conditions remained relatively inactive until about $24^d\ 14^h$ when the traces became agitated. Between $16^h\ 36^m$ and $17^h\ 1^m$ there occurred a large easterly swing in declination (36′) – recovery taking place during the following hour – and at about the same time there was an increase in Z of 100γ. At $19^h\ 28^m$ all traces showed an S.C.–type movement, H rising in the course of 2 minutes by 85γ after which, during the following 20 minutes, it dropped 165γ. By midnight conditions had become more normal with slight disturbance continuing until the evening of 28^d. Significant polar bays occurred at $28^d\ 17^h$ (H +50γ); $30^d\ 20^h$ (D 15′E).

Ranges for the month: D, from 8°58′.9 to 9°41′.4 both on 24^d; H, from .18497 on 24^d to .18683 on 10^d; Z, from .43256 on 9^d to .43398 on 24^d.

February. After a quiet day the traces became gradually agitated from $2^d\ 6^h$. These movements, having disappeared by 22^h, reappeared the following day from about 5^h. A notable feature occurred with an S.C.–like movement at $3^d\ 23^h\ 22^m$ in all elements (H +38γ) which, however, was followed by no significant activity until the following evening between $4^d\ 15^h$ and 22^h when the range in D was about 20′. Apart from small polar bays at $5^d\ 18^h$ (D 8′E); $7^d\ 4^h$ (D 8′W); $7^d\ 22^h$ (H +75γ) and $9^d\ 20^h$ (H +60γ) little of note occurred before 19^d, the period from 10^d onwards being in fact nearly quiet. At $19^d\ 23^h\ 40^m$ an S.C. (H +30γ) was followed by small scale agitation of the traces. This intensified during the early evening hours of 20^d, into a brisk storm which continued for some ten hours. Activity, of the "agitated" type, continued until about $23^d\ 0^h$, after which a relatively quiet spell continued until $10^h\ 44^m$, when an S.C. marked the onset of further brisk activity. This was characterised by the presence of a large number of oscillations in the H and D traces ranging in period between ten and thirty minutes. By $24^d\ 7^h$ the disturbance had practically died out though there was a short resumption of activity in the evening which lasted from $24^d\ 20^h$ to $25^d\ 5^h$. The remainder of the month was notably inactive.

Ranges for the month: D, from 7°47′.8 to 9°47′.8 both on 20^d; H, from .18302 to .18725 both on 20^d; Z, from .43200 on 21^d to .43562 on 20^d.

March. Small polar bays occurred at $1^d\ 2^h$, $3^d\ 2^h$ and $6^d\ 1^h$, activity during this period being otherwise on a very minor scale. There was a slight increase in intensity during the evening of 6^d, the most notable feature being a polar bay in H, which rose suddenly beginning at $7^d\ 0^h\ 23^m$, by 40γ. A similar feature occurred at $8^d\ 23^h\ 24^m$, both movements being accompanied by small pulsations, but in general there was little activity between 8^d and 14^d. On 15^d between 1^h and 5^h there occurred an easterly swing in D which developed into a double wave with a range of 23′. This was accompanied by a comparable movement in H of range 80γ. Activity continued on a very minor scale, with the occurrence of a polar bay on $17^d\ 21^h\ 5^m$ (D 6′E), until $19^d\ 5^h\ 44^m$ when an S.C. (H +41γ) marked the onset of a storm. The principal features of this storm were, the relatively short duration; a typical storm–time variation; the notable rise and subsequent fall in the value of Z during the recovery period of H. On 19^d at about 19^h the large movements suddenly ceased and only minor irregularities in the traces appeared during the following 24 hours, at the end of which, a small polar bay occurred in the H trace, which rose suddenly (+50γ) at $20^d\ 18^h\ 56^m$. There followed a period of activity which, though intermittent, was on a somewhat increased scale, with movements in H up to 50γ or 60γ. A comparatively quiet spell of about 36 hours was followed by some large movements on 27^d. Outstanding amongst these was a bay in H centred at $2\frac{1}{2}^h$ (+90γ) accompanied by a swing in D of 19′. A large movement also occurred at 21^h, this comprising a swing in H of 100γ and a double swing in D having a range of 17′. Following this, movements became less pronounced (though a reversed S.C. at $29^d\ 7^h\ 21^m$ was noteworthy) and the traces remained featureless until a revival of activity about noon on 31^d.

Ranges for the month: D, from 9°1′.8 on 15^d to 9°36′.7 on 19^d; H, from .18443 on 19^d to .18697 on 27^d; Z, from .43246 on 24^d to .43434 on 19^d.

April. The beginning of the month was marked by considerable activity which included some well defined polar bays occurring during evening hours. Outstanding was that at 3^d 21^h (H +90γ, D 19′E) and the sharp bay at 5^d 18^h (H +120γ, Z +40γ). By 7^d little remained of this activity while the following two days were relatively quiet. Small swings in the traces appeared between 1^h and 5^h on 10^d while a small bay in H (+25γ) at $22\frac{1}{2}^h$ provided the only other feature of interest on this day. An increased unsteadiness in the traces began to appear about 11^d 16^h and lasted until about noon on the following day. An isolated feature in the form of a westerly bay in D (10′) occurred at 13^d $2\frac{1}{2}^h$ after which the traces remained almost quiet until the reappearance of unsteadiness at 14^d 21^h. A small bay at 15^d 23^h is noteworthy. (H +25γ, D 7′E). From the evening of 16^d there commenced a steady increase of activity which rose to a maximum during the night of 19^d – 20^d, the largest single movement in H occurring between 19^h 38^m and 20^h 3^m (+68γ). A sharp westerly [illegible] in D was also recorded around 20^d 4^h (10′). The traces became suddenly calm about 20^d 7^h and, apart from a short spell of increased activity from 18^h to 23^h on the same day, remained quiet, or nearly so until about 23^d 5^h. Some preliminary small, sharp movements were succeeded at 5^h 48^m by a reversed S.C. in H (-39γ) which marked the beginning of a spell of activity lasting some 48 hours, during which the traces were characterised by considerable agitation. The period of approximately 12 hours centred on 24^d noon was particularly noteworthy for the presence of rapid oscillations in the elements. The only feature occurring within the succeeding quiet spell consisted of small bays in H and D at 27^d $20\frac{1}{2}^h$. At 28^d 14^h a revival of activity set in, well marked bays appearing in H (+50γ) and D (13′W) at 29^d 0^h. From thence for about 8 hours movements were subdued, following which there was a revival of activity which, however, terminated suddenly at 30^d 22^h.

Ranges for the month: D, from 9°4′.8 on 3^d to 9°37′.4 on 5^d; H, from .18502 on 25^d to .18712 on 5^d; Z, from .43233 on 24^d to .43389 on 5^d.

May. The month opened quietly, the only significant movement on 1^d being a small polar bay at 21^h. Unsteadiness set in the following morning and by evening a mild storm was in progress. Most apparent during evening and early morning hours this continued until 5^d with single movements ranging up to approximately 100γ in H and 15′ in D. Little activity remained on 6^d though a bay in D (11′W) at 7^d 0^h was noteworthy. This was followed by a period of little activity though minor disturbance was present from 10^d 21^h to 11^d 2^h and from 11^d 12^h to 22^h. From 13^d 2^h unsteadiness of the traces again appeared and continued until the end of 16^d. A feature of special interest occurred at 15^d 18^h 41^m when a positive pulse in H initiated a damped oscillation of initial double amplitude 42γ having a period of 1 minute. During the following 10 minutes the mean value of H rose by 60γ, then fell 46γ to a minimum at 19^h 5^m; a further rise of 19γ produced a second maximum at 19^h 14^m, after which the trace fell 72γ to a second minimum at 19^h 39^m. The pulsation was present on a smaller scale in both D and Z and was preceded at an interval of 19 minutes by a single complete oscillation in H, first negative and then positive, having a double amplitude of 14γ and a period of 1.6 minutes. The main movements of the H and D traces during this period indicated the normal anti-clockwise motion of the horizontal disturbance vector experienced at this time of the day. Between 16^d and 20^d only slight disturbance was occasionally present. This became more apparent during the evening and early morning hours of 20^d – 21^d, but by 21^d 4^h conditions were again quiet. These conditions prevailed until about 22^d 10^h when the aspect of the traces changed to one of general agitation. The character of the traces was maintained until 24^d when activity became less pronounced though still present. The onset of a period of increased disturbance, ultimately reaching storm intensity, was marked by a sudden commencement at 27^d 12^h 3^m. Several single movements of the order of 100γ occurred in H during this period while the declination magnet swung from west to east through 29′ between 28^d 1^h 5^m and 2^h 9^m. During the early morning hours of 28^d the value of Z was about 100γ below normal. By 7^h activity had become much less marked though it continued, with a lull from 29^d 5^h – 10^h, until 30^d, the last day of the month being distinguished by a single polar bay in H (+40γ) at 22^h.

Ranges for the month: D, from 8°53′.6 on 28^d to 9°36′.0 on 23^d; H, from .18503 on 28^d to .18729 on 15^d; Z, from .43154 on 28^d to .43365 on 23^d.

June. Minor disturbance was recorded from about $1^d\ 12^h$ to $2^d\ 6^h$ and during the afternoon and evening hours of 3^d. At $2^d\ 22^h$ there occurred also a sharp double swing in D (16′) with an accompanying movement in H; at other times the traces were characterised by a general unsteadiness. A rather abrupt rise in H (+23γ) occurring between $6^d\ 0^h\ 15^m$ and 22^m marked the beginning of another short period of increased disturbance, the most striking feature of which was a bay in H containing a peak at $15^h\ 36^m$, which with a minimum occurring at $14^h\ 8^m$, produced an overall range of 180γ. By midnight activity had died down and conditions remained relatively quiet until the evening of 8^d when minor disturbance reappeared. This lasted throughout 9^d and 10^d the largest bay occurring at $9^d\ 5^h$ (D 10′W). Activity then steadily declined, conditions being almost quiet by 13^d, and continuing so with intermittent unsteadiness until 23^d. During this period the largest movement recorded was at $22^d\ 14\frac{1}{2}^h$ and consisted of a positive bay in H (+60γ). A large sudden commencement at $23^d\ 18^h\ 2^m$ (H +88γ) marked the onset of a small storm which, however, was not distinguished by any further violent movements of the traces. The most prominent features of the disturbances were negative bays in H at $24^d\ 5^h$ and $24^d\ 8^h$, both of about 70γ the former being accompanied by a westerly bay in D of comparable magnitude. By noon little more than general unsteadiness of the traces remained, though an easterly polar bay in D (8′) at $25^d\ 21^h$ was noteworthy. This was followed by a relatively quiet period which continued until $29^d\ 12^h\ 38^m$ when an abrupt movement introduced a spell of considerable activity. This was most pronounced between 13^h and 19^h during which there occurred six oscillations ranging from 50γ to 100γ in H. Several movements of similar magnitude also occurred in D and H between $30^d\ 0^h$ and 4^h.

Ranges for the month: D, from 8°59′.5 on 30^d to 9°35′.1 on 29^d; H, from .18539 on 24^d to .18755 on 23^d; Z, from .43193 on 30^d to .43354 on 29^d.

July. After two days of relative quiet there was a revival of activity during the afternoon of 3^d. Around midnight several swings of the order of 50γ occurred in the traces. Activity on a subdued scale continued until 8^d by which time little more than intermittent unsteadiness was visible in the traces. On 11^d about 10^h there began a period of moderate disturbance which continued until the following day. This subsequently proved to be the first of a striking sequence of recurrent storms which continued until December. From $12^d\ 6^h$ there remained only subdued activity which continued on a diminished scale, until only slight unsteadiness in the traces was to be seen on 16^d. Similar conditions prevailed, with a slight increase of activity during the second half of 21^d, until $24^d\ 1^h\ 51^m$ when a sudden commencement (H +32γ) marked the onset of a small storm. With the exception of a negative bay in H (−50γ) between 11^h and 12^h activity was subdued until the beginning, at $18\frac{1}{2}^h$, of a progressive easterly swing in D which continued until after midnight, revealing abnormal conditions. Between $25^d\ 2^h\ 40^m$ and $3^h\ 40^m$ there was a westerly swing in D of 23′ followed during the next hour by a recovery of 16′. This was the largest movement of the storm, after which the disturbance rapidly died away leaving the traces almost quiet by 26^d. Conditions were less quiet from 27^d but no features of interest appeared during the remainder of the month.

Ranges for the month: D, from 8°57′.0 to 9°31′.1 both on 25^d; H, from .18544 on 12^d to .18715 on 11^d; Z, from .43197 on 12^d to .43335 on 4^d.

August. Activity prevailed throughout the first half of the month with few quiet periods. At $7^d\ 10^h\ 54^m$ an abrupt movement marked the onset of a disturbance that rose to storm intensity, the most active period being between $7^d\ 20^h$ and $8^d\ 9^h$. Second in a recurrent series of storms, this was characteristic of the type, activity continuing on a diminishing scale until about 16^d. Most noteworthy of the movements occurring during this period was a series of large oscillations in H and D between $10^d\ 18\frac{1}{2}^h$ and 21^h. From 16^d the traces remained relatively quiet until $18^d\ 15^h\ 39^m$ when a sudden commencement marked the onset of a new period of activity. This remained on a moderate scale until the occurrence at $19^d\ 10^h\ 5^m$ of a reversed S.C., following which the disturbance was much intensified. Striking features of this storm were the large rise in the value of Z which attained a maximum value at $19^d\ 16^h\ 40^m$, its decline to a low minimum around 2^h the following morning, and its subsequent recovery. By $20^d\ 10^h$ the storm had spent itself, and although there was a slight revival of activity during the afternoon of 28^d, little of interest was recorded during the remainder of the month.

Ranges for the month: D, from 8°46′.7 on 20^{d} to 9°47′.7 on 19^{d}; H, from .18388 on 20^{d} to .18761 on 10^{d}; Z, from .43057 on 20^{d} to .43515 on 19^{d}.

September. After two days of relative quiet, activity was revived on 3^{d} and continued until about 11^{d}. This formed the third in the recurrent series of storms. The following outstanding movements are worthy of note:- in H, a fall of 80γ from 3^{d} 22^{h} 40^{m} to 23^{h} 18^{m} - a flat minimum followed by a sharp rise of 125γ between 23^{h} 30^{m} and 42^{m} - a rounded maximum followed by a fall of 100γ to a sharp minimum at 4^{d} 0^{h} 6^{m} and a subsequent rise of 65γ to a maximum at 0^{h} 25^{m}; the corresponding D trace showed maxima (east) at 3^{d} 23^{h} 12^{m} and 4^{d} 0^{h} 13^{m} with a sharp minimum at 3^{d} 23^{h} 53^{m}, the range during this period being about 17′. From 4^{d} 22^{h} 30^{m} D rose 18′ to a maximum (east) at 22^{h} 55^{m} and then dropped irregularly 31′ to a minimum at 5^{d} 0^{h} 51^{m}. At 8^{d} 20^{h} 0^{m} H attained a maximum in the form of a sharp peak by rising 80γ during the previous 10 minutes and falling 88γ during the subsequent 12 minutes. By 12^{d} the traces were practically quiet and, apart from some irregularities during the evening of 13^{d}, remained so until the occurrence of a sudden commencement at 16^{d} 10^{h} 19^{m} (H +44γ). This marked the beginning of a period of moderate activity which continued until 21^{d}. The largest single movement during this period occurred when H dropped 100γ from a maximum at 20^{d} 0^{h} 15^{m} to a minimum at 0^{h} 41^{m}. Conditions were quiet on 22^{d} but activity revived the following day and continued until 26^{d} during which time it attained storm intensity. The largest single movement in H was a rise of 130γ from 24^{d} 20^{h} 30^{m} to 21^{h} 12^{m} with a subsequent fall of 140γ to a minimum at 21^{h} 45^{m}. The movement was anticipated in D by about 10 minutes with a similar movement having a range of 19′. From 26^{d} onwards only slight unsteadiness was recorded in the traces until the occurrence of the fourth storm in the recurrent series which began with a sudden commencement at 30^{d} 17^{h} 47^{m}.

Ranges for the month: D, from 8°55′.5 on 4^{d} to 9°32′.7 on 3^{d}; H, from .18511 on 5^{d} to .18753 on 24^{d}; Z, from .43227 on 4^{d} to .43395 on 3^{d}.

October. Disturbance continued on a considerable scale until 8^{d}, the total range in H reaching 280γ. Several remarkable movements occurred in the traces during this period, the two most outstanding being at 3^{d} 19½^{h} and 4^{d} 18^{h}. A relatively quiet spell was followed by unsteadiness in the traces on 12^{d}. During 14^{d} this unsteadiness increased to a state of general disturbance with movements in H up to 110γ accompanied by many small oscillations. After a large double swing in H, 90γ and in D 18′, occurring between 15^{d} 0^{h} and 4^{h} the traces became less disturbed, though several minor bays appeared during the following twenty four hours. Activity was on a somewhat increased scale during 16^{d} and 17^{d}. Easterly bays in D of about 15′ occurred on both days near 18^{h}. During the following four days only slight unsteadiness, with an occasional small isolated bay, was recorded. With an increase of activity during the afternoon of 22^{d} the following significant movements occurred:- between 17^{h} 10^{m} and 50^{m}, H -50γ; between 17^{h} 20^{m} and 18^{h} 0^{m}, D 8′ East; at 21^{h} 19^{m}, D 8′East (P.S.C.); on 23^{d} about 0½^{h} a bay in H +50γ and another about 22^{h}, H +50γ. The period of 24^{d} - 27^{d} showed only intermittent unsteadiness and small shallow bays in H (+40γ) and D (5′East) centred near 25^{d} 23^{h}, but a revival of activity began to show about 28^{d} 1^{h} marking the appearance of the fifth in the recurrent series of storms. Between 7^{h} and 10^{h} H decreased by about 150γ recovering about 90γ during the following hour. By this time the general activity was becoming more pronounced. With the exception of a bay in H occurring between 29^{d} 8^{h} and 9½^{h} movements during the intervening period were on a much reduced scale, though the traces showed considerable agitation. Similar conditions prevailed from 30^{d} 1^{h} to 17^{h} following which there appeared a series of oscillations in H and D of period between 20 and 30 minutes which continued until 21^{h}. These were accompanied by mean easterly displacement in D of about 15′. Following the diurnal tendency, the traces became more subdued during the morning hours of 31^{d} (though agitation was still present) but activity was pronounced during the period 31^{d} 13^{h} to 23^{h}. The largest single movement in H occurred between 18^{h} 46^{m} and 19^{h} 4^{m} (+120γ), this being followed by an irregular recovery during the subsequent 80 minutes. The sharp rise in H was preceded by an easterly movement in D of 18′ between 18^{h} 34^{m} and 50^{m} which was followed by a recovery during the subsequent 50 minutes.

Ranges for the month: D, from 8°44′.9 to 9°39′.8, both on 28^{d}; H, from .18484 on 2^{d} to .18765 on 3^{d}; Z, from .43238 on 30^{d} to .43434 on 28^{d}.

November. The pattern of activity during 1^d was similar to that of the previous day. The outstanding movement was a sharp "pinnacle" in H (130γ) occurring between $18^h\ 34^m$ and $19^h\ 3^m$. This movement seems to have terminated the prolonged spell of activity, for excepting an easterly bay in D of 9′ between $2^d\ 15^h$ and $16\frac{1}{2}^h$ few significant movements occurred until the morning of 4^d, when some shallow waves in the H and D traces appeared. From noon on 4^d, Z steadily rose to a sharp and rather high maximum at $16^h\ 51^m$ and the D and H traces were subject to small amplitude fluctuations between 14^h and $18\frac{1}{2}^h$ when activity ceased. A very shallow double swing in D between $4^d\ 23^h$ and $5^d\ 2^h$, a small easterly bay in D (8′) near $5^d\ 21^h$ and a small double swing in D (8′) between $8^d\ 2^h$ and 4^h were the only movements of note on quiet, or nearly quiet traces which continued until about $10^d\ 0^h$. At this point unsteadiness began to appear and some bays of the order of 10′ occurred in D during the afternoon and evening hours with comparable movements in H. Unsteady conditions prevailed until 15^d the most notable movements being a bay in H (-60γ) near $12^d\ 15^h$ with a comparable easterly movement in D; a rise of 70γ in H from a minimum at $12^d\ 22^h\ 15^m$ to a maximum at 32^m forming, with the subsequent fall, a positive bay, and a corresponding easterly movement in D (9′) beginning at $22^h\ 12^m$. From 15^d to 21^d the character of the traces was in general quiet or of slight unsteadiness though between $17^d\ 20^h$ and 21^h there was a double swing in H of 50γ range and a corresponding movement in D of 10′. A slightly larger movement occurred the following day between $18\frac{1}{2}^h$ and $20\frac{1}{2}^h$ and consisted of a double swing in H of range 80γ and with sharp maximum at $19^h\ 12^m$ and a sharp minimum at $20^h\ 28^m$. This was accompanied by an easterly bay or saddle of range 12′ in D. Between $21^d\ 20\frac{1}{2}^h$ and $22^d\ 0\frac{1}{2}^h$ a movement in D resembled successive broad shallow (5′) easterly bays. A short spell of minor activity appeared between $22^d\ 15^h$ and $23^d\ 1^h$, the principal feature being a broad easterly bay in D caused by a rise of 14′ between $22^h\ 0^m$ and 30^m and an irregular recovery during the next two hours. The bay was accompanied by a movement in H and a swing of about -30γ in Z. Following this the traces showed no more than a small swing in H at about $23^d\ 23^h$ until a fall in H of 70γ between $24^d\ 17^h$ and 18^h marked the beginning of a prolonged period of activity which constituted the sixth in the recurrent series of storms. The following are some of the more outstanding movements occurring during this period:– a negative bay in Z with minimum at $25^d\ 0^h\ 40^m$ (-50γ) with enhanced movements in H and D; a deep irregular bay in H (-120γ) between $25^d\ 11^h\ 40^m$ and $13^h\ 10^m$ with a sharp minimum at $12^h\ 12^m$; a broad easterly bay in D (15′) between $25^d\ 15^h\ 0^m$ and $17^h\ 30^m$; two positive bays in H (+80γ and +50γ) between $26^d\ 2^h\ 20^m$ and $5^h\ 0^m$ with maxima at $2^h\ 43^m$ and $4^h\ 12^m$ and minimum $3^h\ 32^m$ accompanied by a double swing in D of range 15′ between the most westerly value at $2^h\ 41^m$ and the most easterly at $3^h\ 15^m$ – the Z trace also showed a drop of about 30γ with a minimum at $3^h\ 11^m$; a deep bay in H (-100γ) between $26^d\ 8^h$ and 12^h (shown in the hourly mean values); a sharp rise in H (+98γ) from $26^d\ 19^h\ 4^m$ to 17^m followed by a fall of 72γ to minimum at $19^h\ 40^m$ and a second rise of 70γ to a sharp maximum at 58^m; associated with the preceding movement, an easterly swing in D of 16′ between $26^d\ 18^h\ 56^m$ and $19^h\ 7^m$ followed by a westerly swing of 19′ to a turning point at $19^h\ 32^m$; several broad bays in H and D occurring at intervals of approximately two hours between $27^d\ 14^h$ and 23^h; a sharp "pinnacle" in H (130γ) and associated movements in D and Z between $28^d\ 19^h$ and 20^h. Minor activity was present during the evening hours of 29^d and 30^d with a peak in H at $30^d\ 20^h\ 33^m$, but conditions were quiet by midnight at the termination of the month.

Ranges for the month: D, from 8°57′.3 on 26^d to 9°34′.6 on 10^d; H, from .18503 on 25^d to .18743 on 1^d; Z, from .43239 on 25^d to .43416 on 4^d.

December. A small negative bay in H (-40γ) and a corresponding easterly bay in D (7′) between $2^d\ 16^h$ and 17^h and a similar easterly bay in D (8′) between $3^d\ 20^h\ 49^m$ and 22^h were the most notable features occurring during the first four days of the month. Conditions became slightly less steady from 5^d. At $7^d\ 22^h\ 41^m$ a P.S.C. initiated a bay in H (+30γ), a similar movement (+45γ) occurring at $8^d\ 22^h\ 17^m$. Apart from these, the traces continued featureless until a very quiet spell of about twenty four hours was broken by a sudden commencement at $12^d\ 5^h\ 27^m$. There followed a mild storm which continued for three days, though most of the activity was confined to the evening and early morning hours. By 15^d only slight unsteadiness remained with rather larger irregularities appearing during the evening hours. On 18^d between 0^h and 1^h a small easterly bay in D (5′) was outstanding on a nearly calm trace. Between $18^h\ 46^m$ and 57^m on the same day there occurred an easterly swing in D of 18′ followed by a slow oscillatory recovery during the next seventy five minutes. A corresponding increase in H of 60γ occurred between $18^h\ 55^m$ and $19^h\ 5^m$. Similar movements occurred in these two elements on a smaller scale at $19^d\ 0^h$. An easterly bay at

$19^d\ 18^h$ in D (9′) and a sharp one (13′), with accompanying movement in H (+70γ), at $20^d\ 23^h$ were conspicuous against a quiet background which continued until 22^d. A slow decline in the value of H from about noon accompanied by a steady rise in Z and a westerly movement in D appears to mark the beginning of the seventh of the disturbances of the recurrent series. Activity became more pronounced from 15^h and following 18^h there occurred an irregular easterly swing in D of 31′ which attained a sharp maximum at $19^h\ 41^m$, followed by a recovery of 22′ during the next thirty six minutes. Between 19^h and 20^h there also occurred a sharp peak in Z (+50γ). The disturbance continued on a varying scale until 27^d after which only a slight unsteadiness remained in the traces. The most outstanding feature of the storm was a large easterly bay in D of about 30′, with maximum at $24^d\ 16^h\ 19^m$ and contained between $15^h\ 40^m$ and $17^h\ 20^m$. This was preceded by a rapid decrease in H (-115γ) between $15^h\ 16^m$ and $16^h\ 7^m$. These movements were succeeded in both elements by a series of irregular oscillations of average period between 30 and 40 minutes. The main movements were accompanied by a shallow positive bay in Z. During the remainder of the month the traces remained practically calm with a small positive bay in H near $30^d\ 0^h$ and a similar movement (+30γ), accompanied by a comparable easterly bay, near $30^d\ 21^h$.

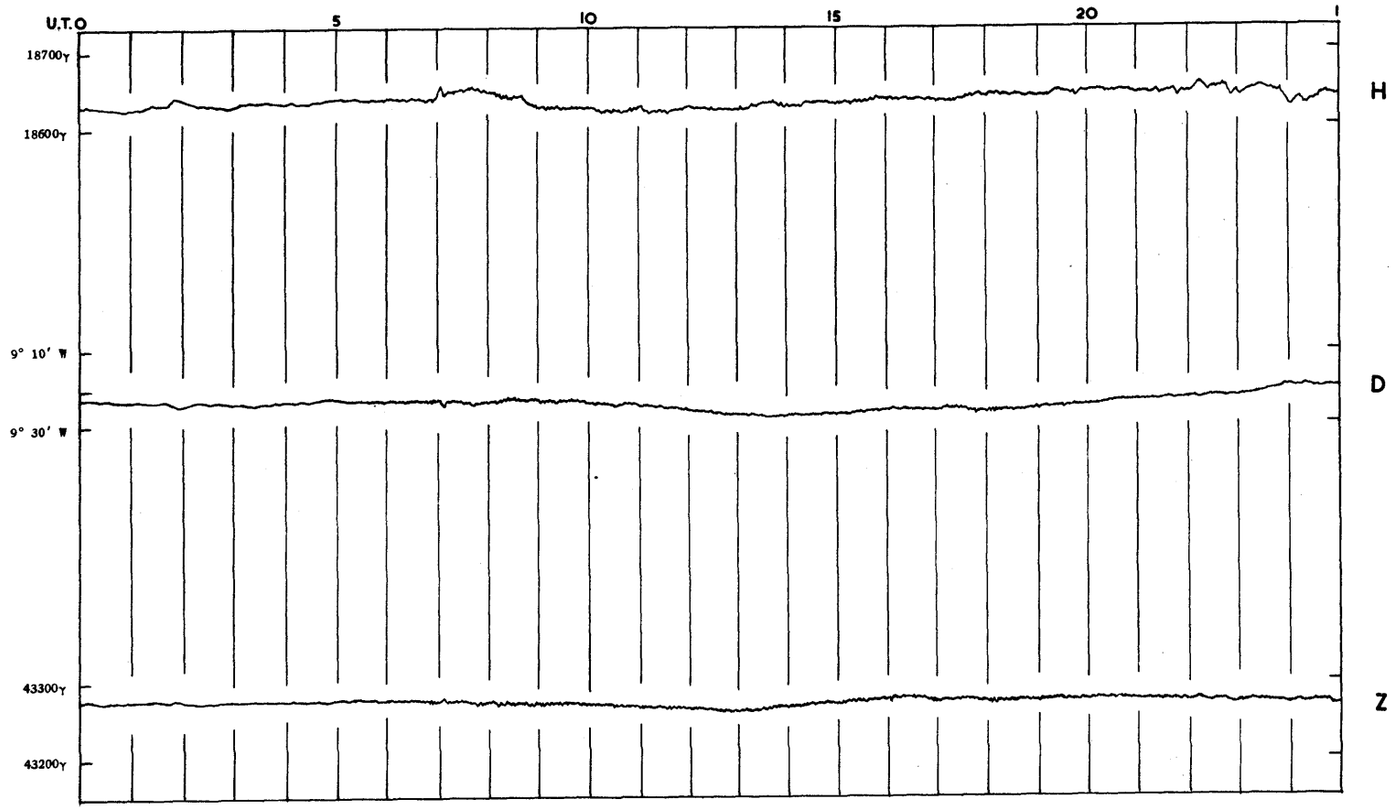
Ranges for the month: D, from 8°47′.3 on 24^d to 9°27′.2 on 22^d; H, from .18526 on 24^d to .18701 on 12^d; Z, from .43266 on 14^d to .43399 on 22^d.

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

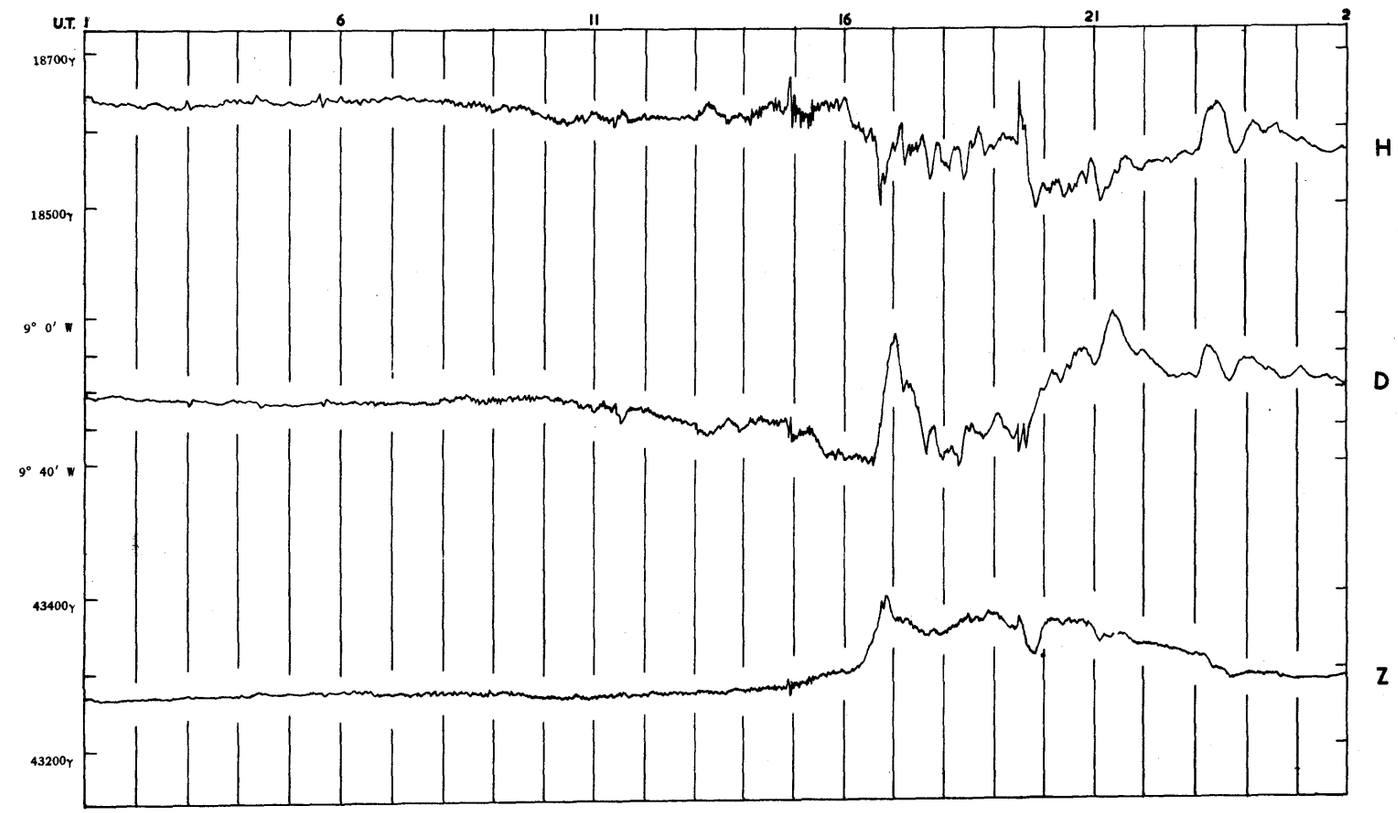
Declination West: 9°47′.8 on February 20; 7°47′.8 on February 20.
Horizontal Intensity: .18765 on October 3; .18302 on February 20.
Vertical Intensity: .43562 on February 20; .43057 on August 20.

Plate I

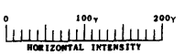
1950 JAN 23-24

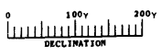


1950 JAN 24-25



SCALES FOR THE MAGNETIC ELEMENTS





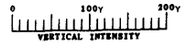
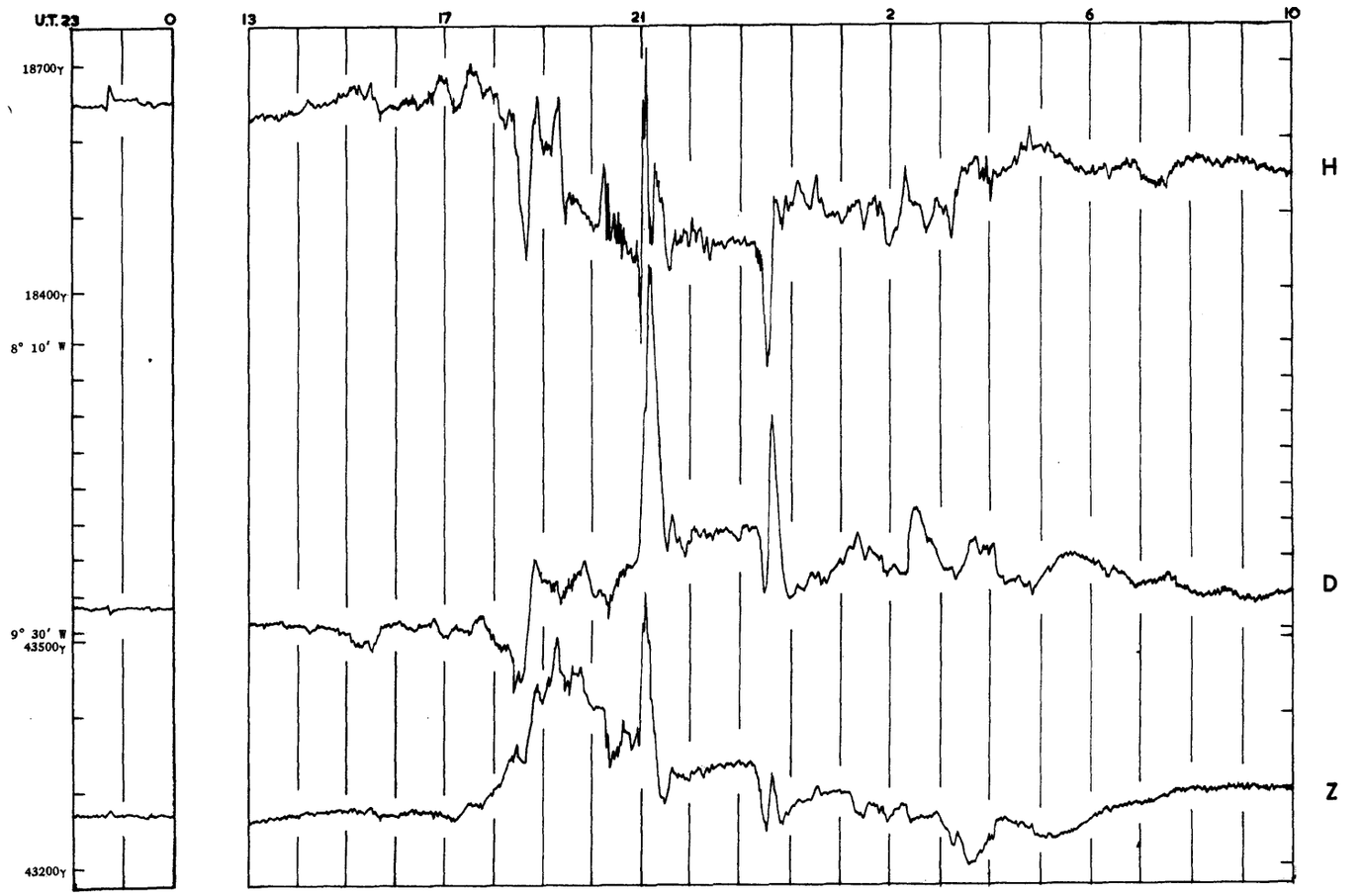


Plate II

FEB 19-20

1950 FEB 20-21



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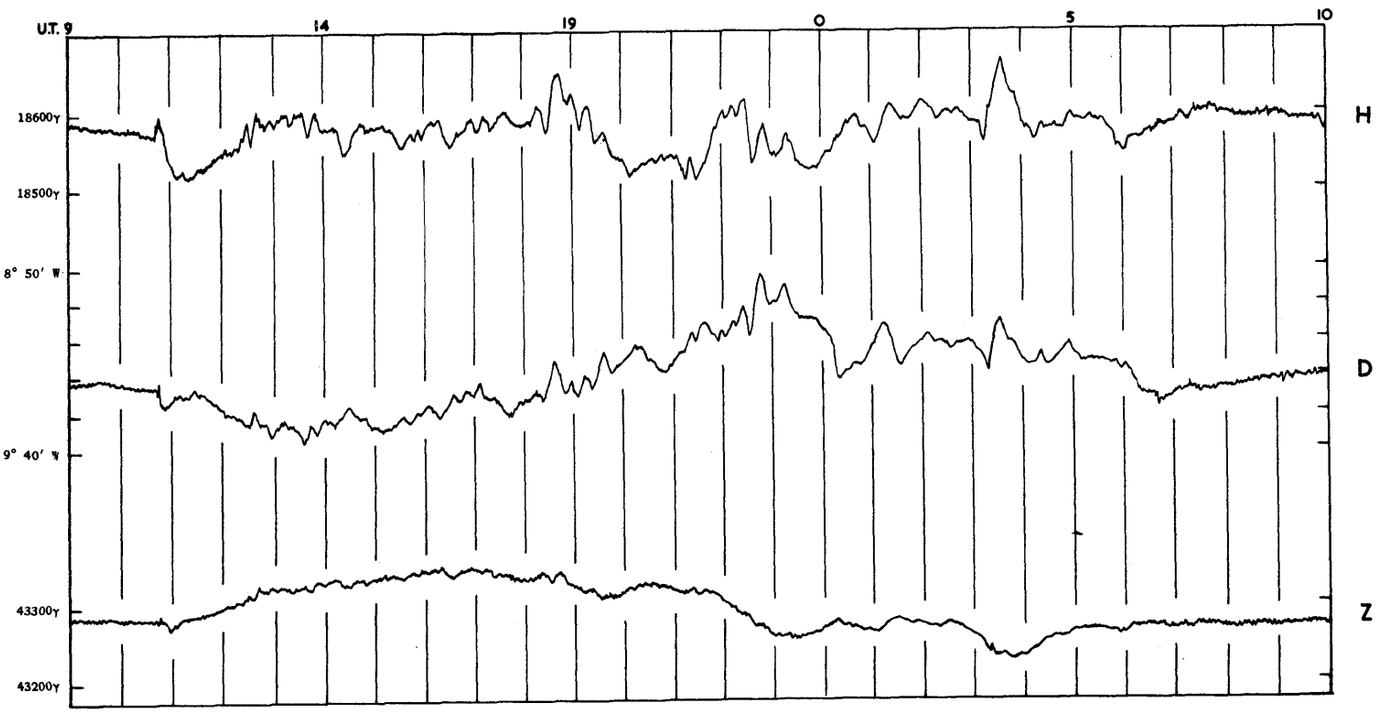
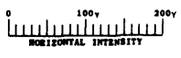
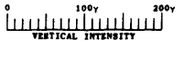


SCALES FOR THE MAGNETIC ELEMENTS





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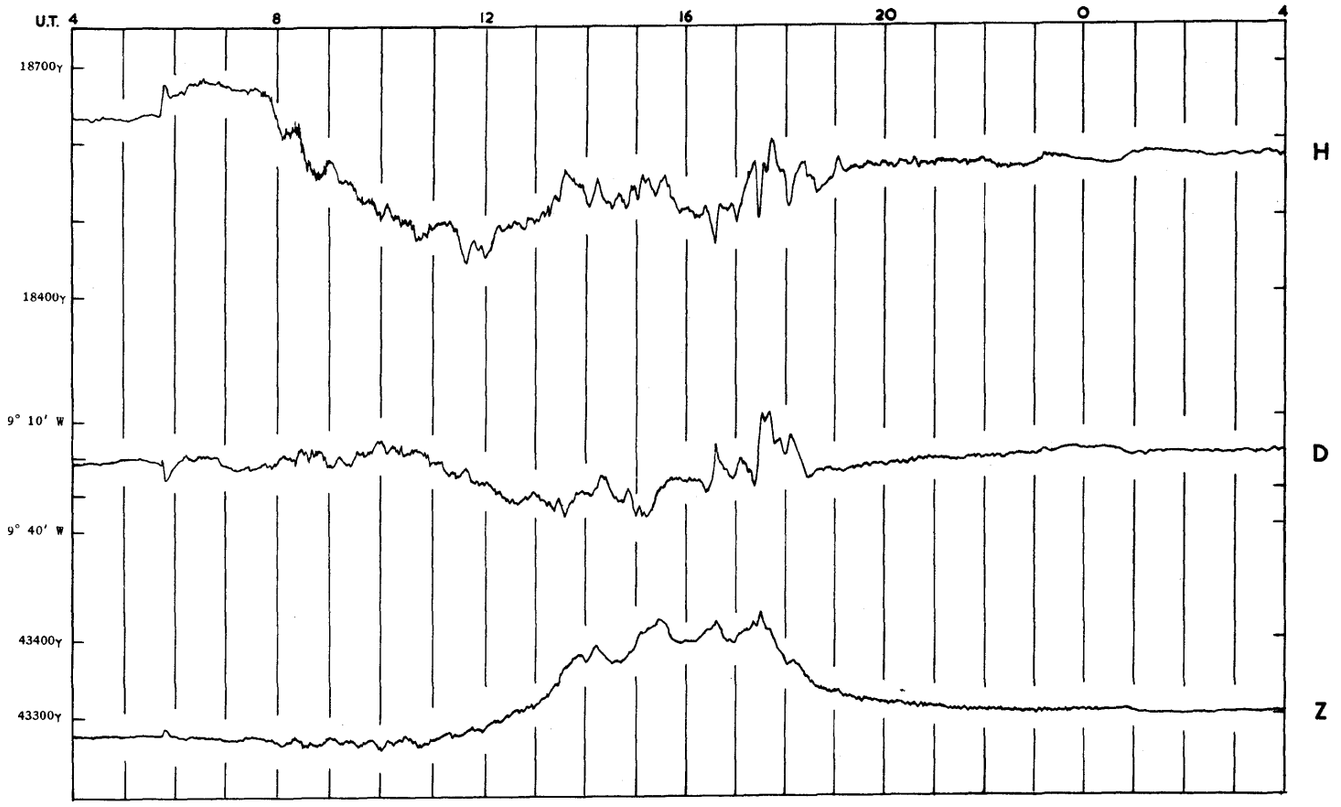
1950 MAR 19-20



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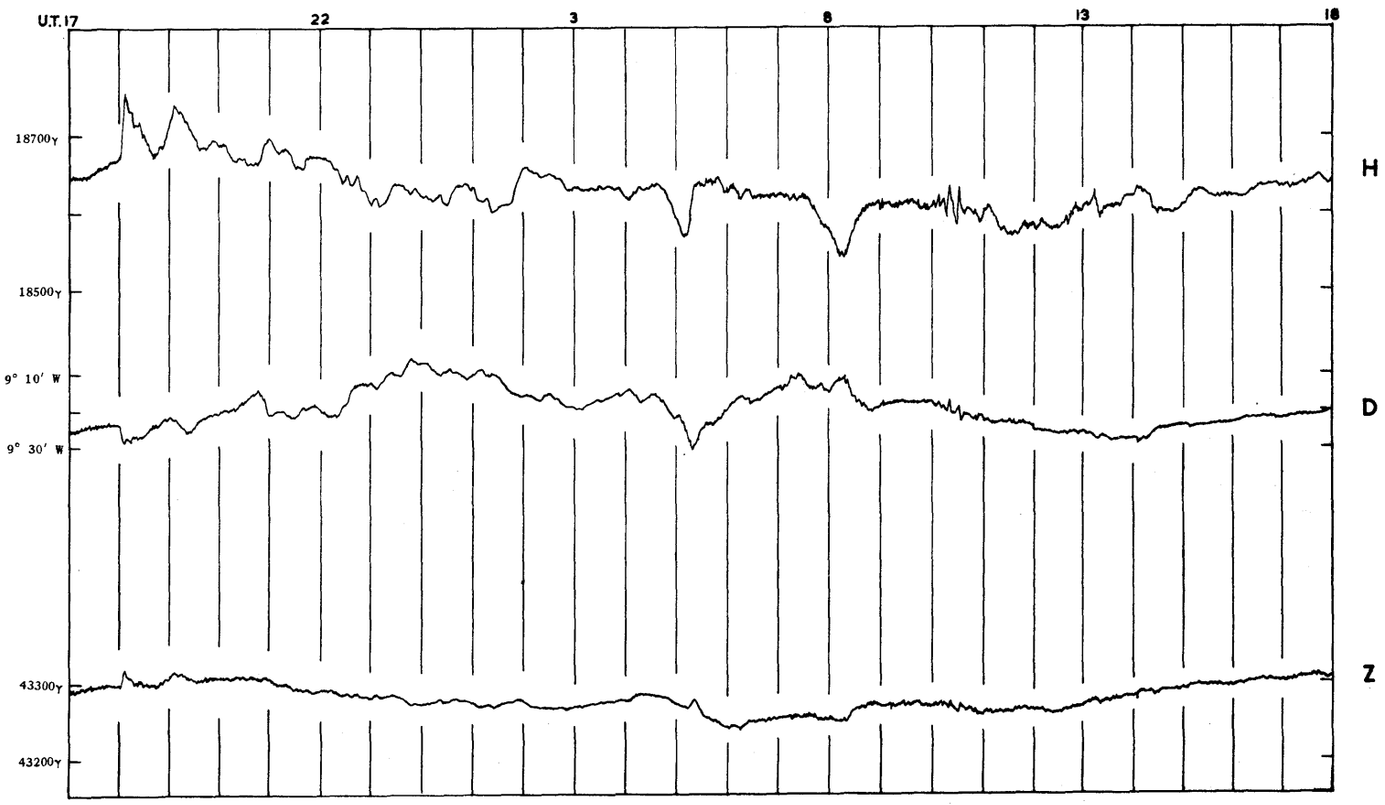
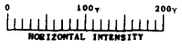
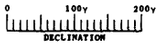


SCALES FOR THE MAGNETIC ELEMENTS





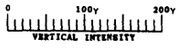
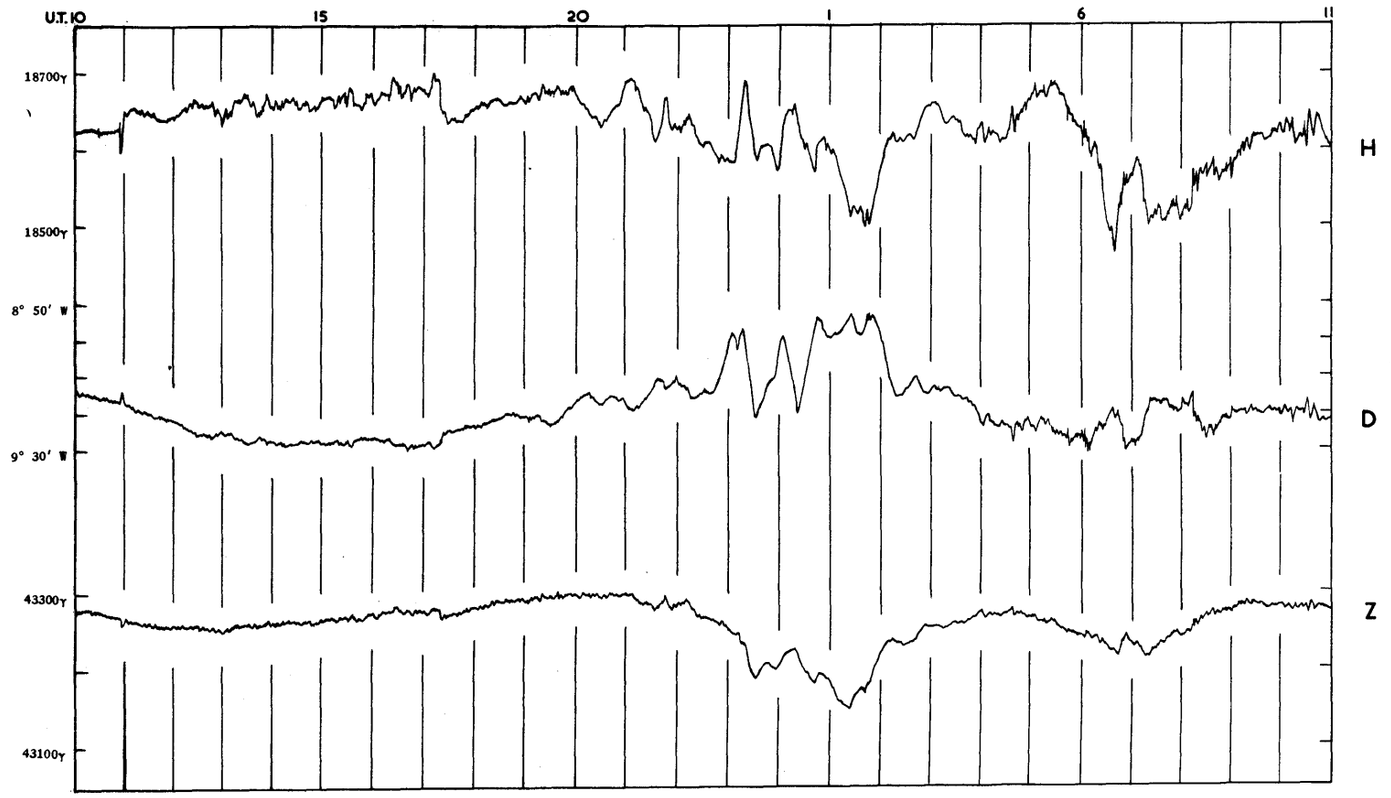
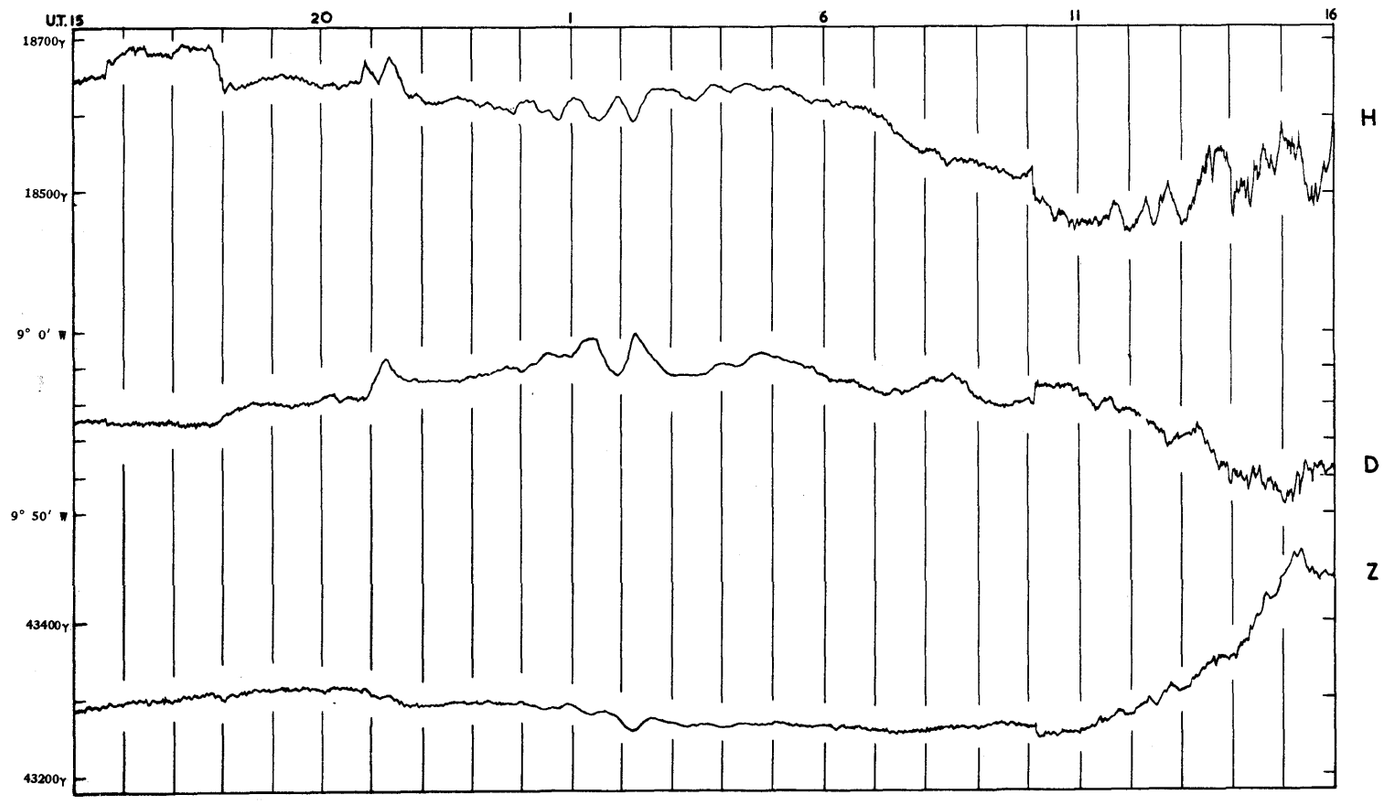


Plate IV

1950 AUG 7 – 8



1950 AUG 18 – 19



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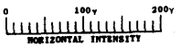
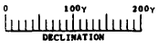




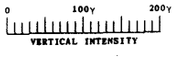
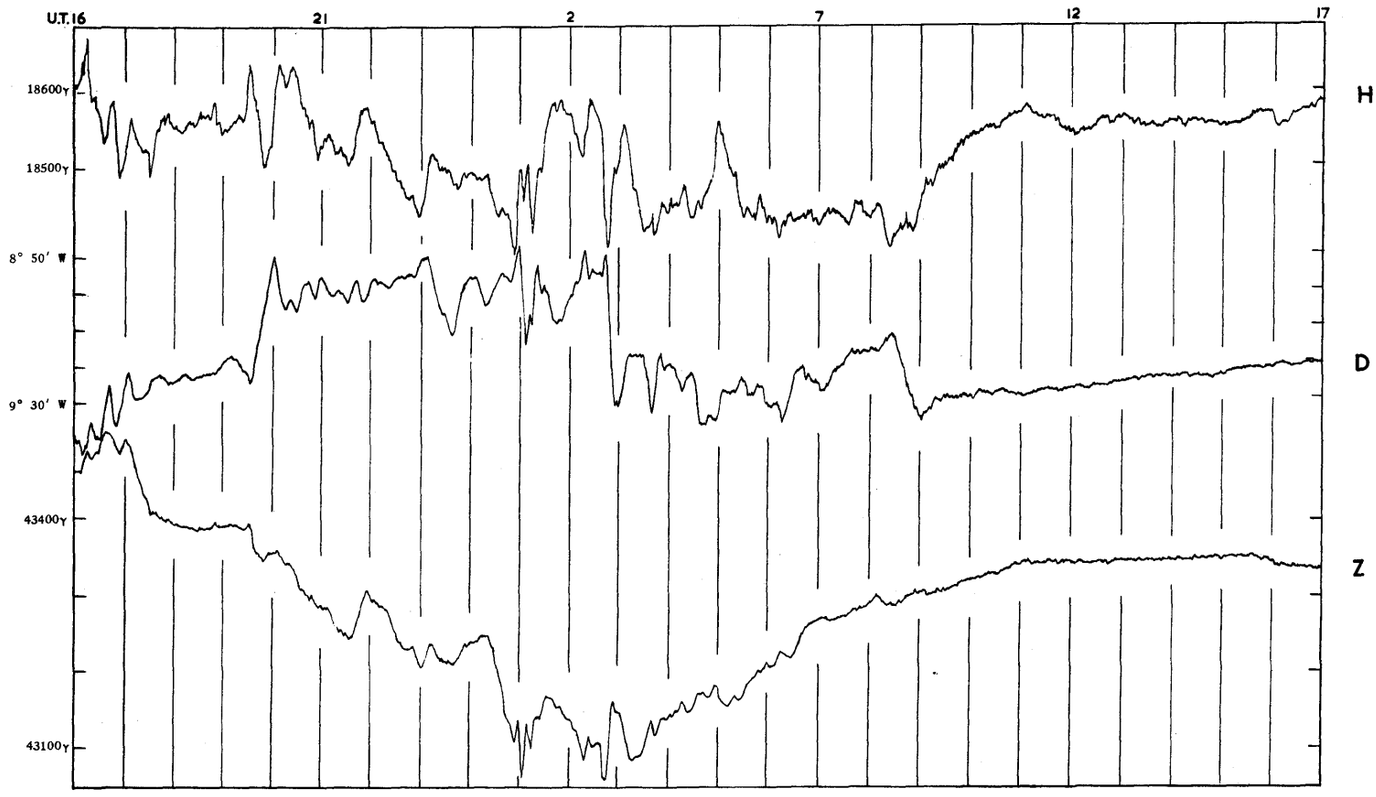
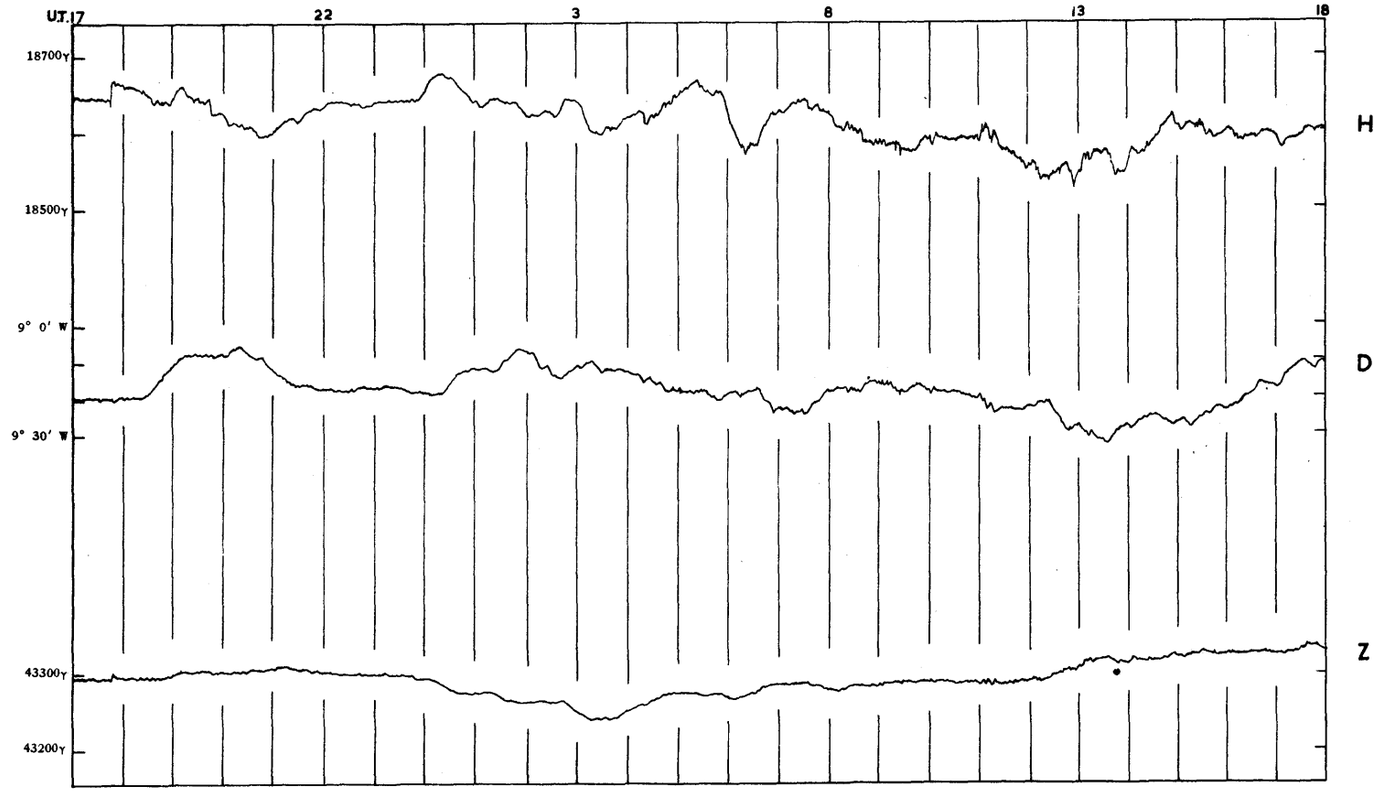


Plate V

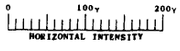
1950 AUG 19 - 20

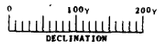


1950 SEP 30 - OCT 1



SCALES FOR THE MAGNETIC ELEMENTS





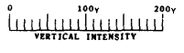
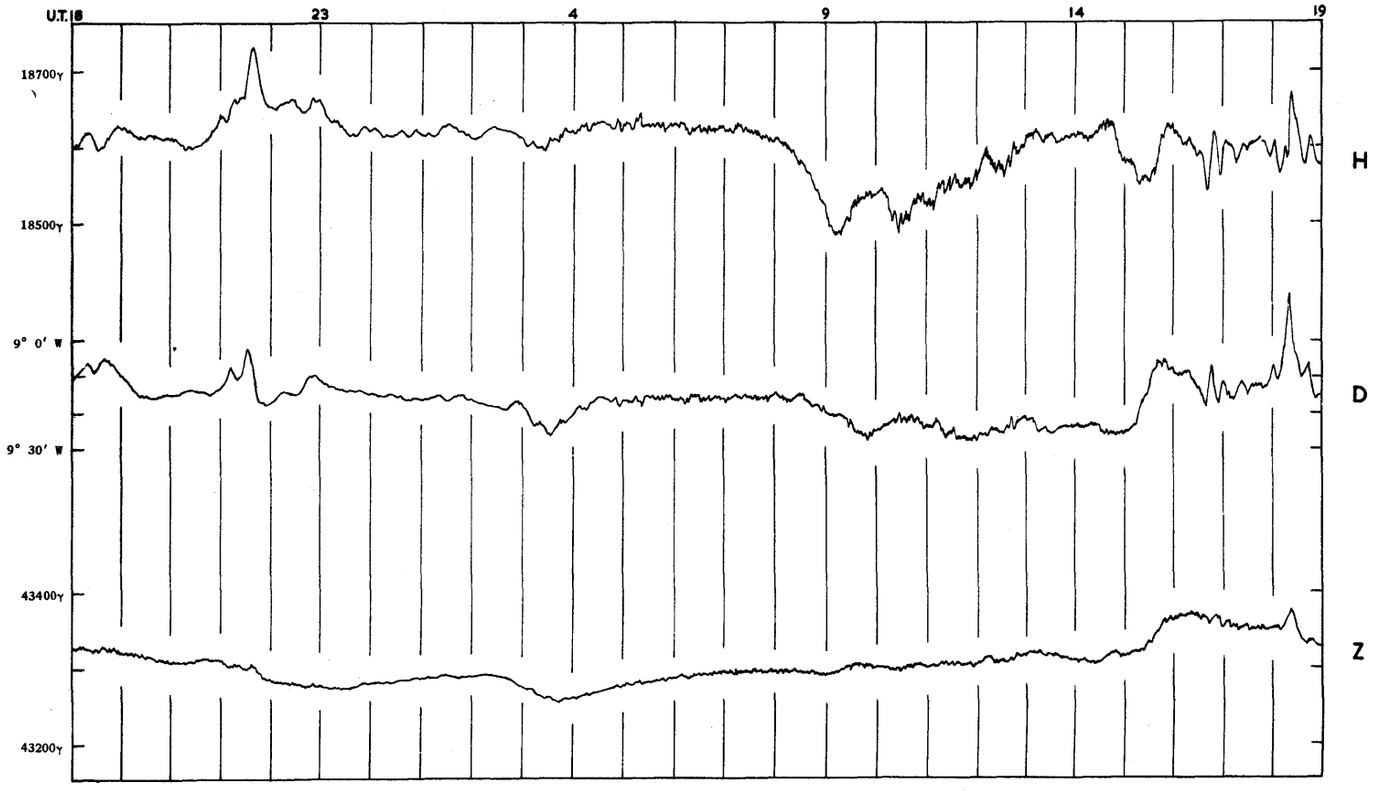
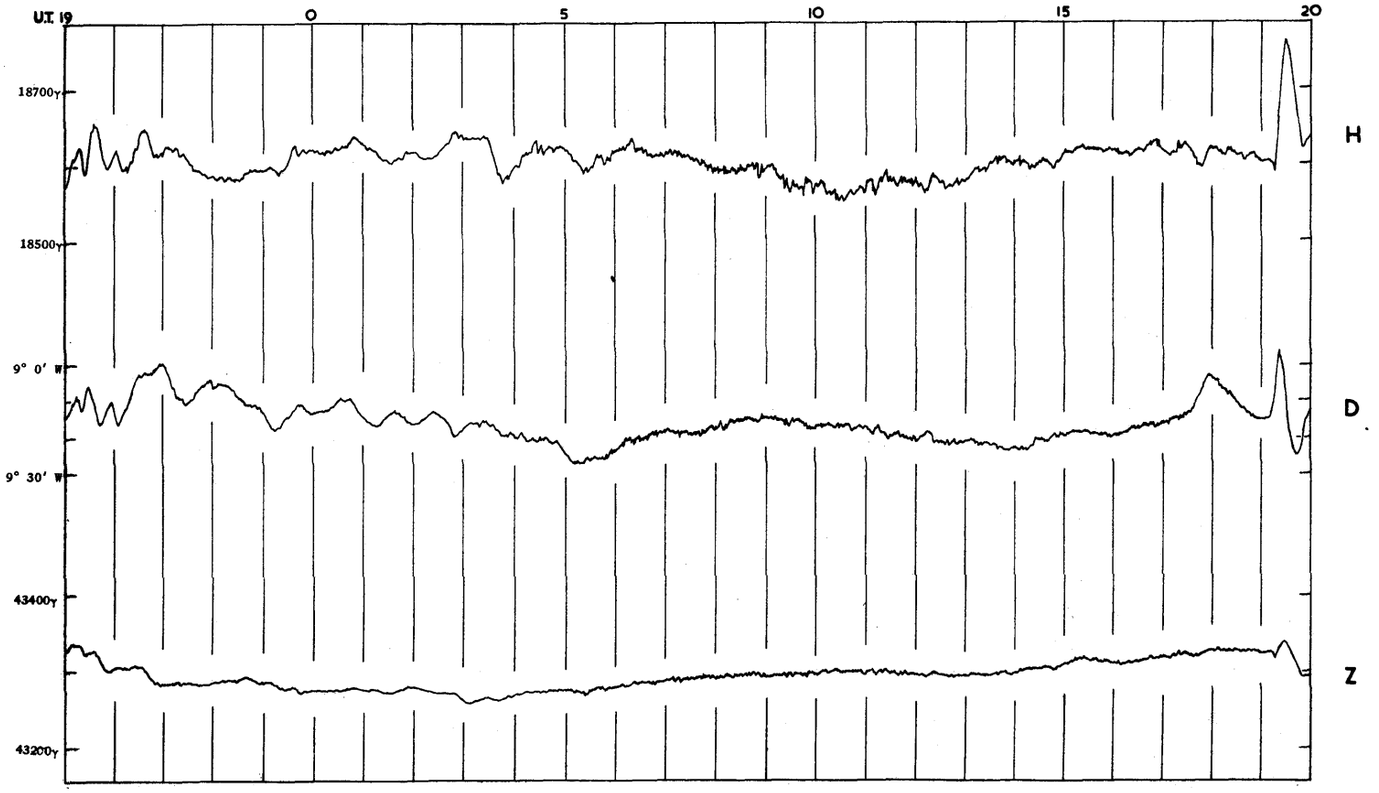


Plate VI

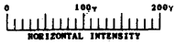
1950 OCT 1 - 2

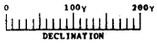


1950 OCT 2 - 3



SCALES FOR THE MAGNETIC ELEMENTS





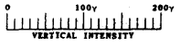
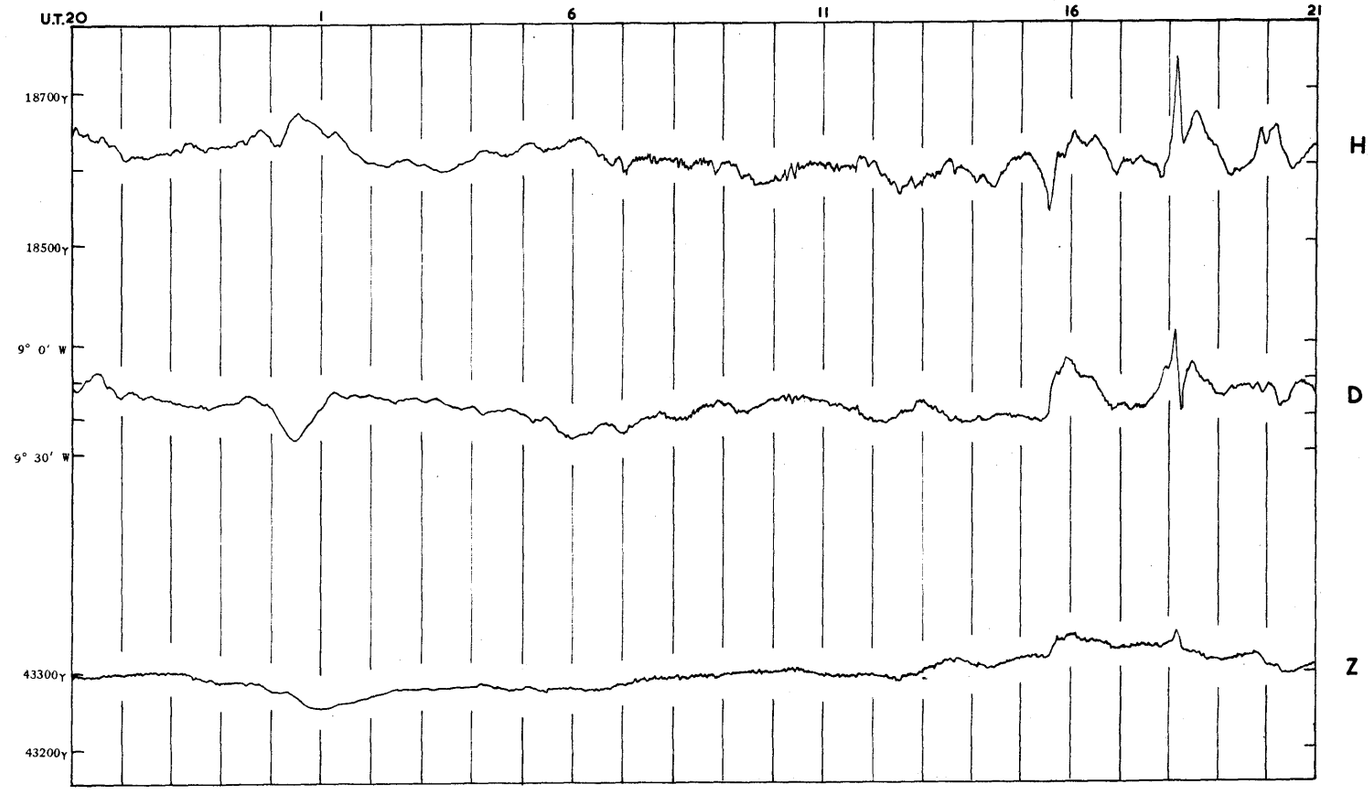
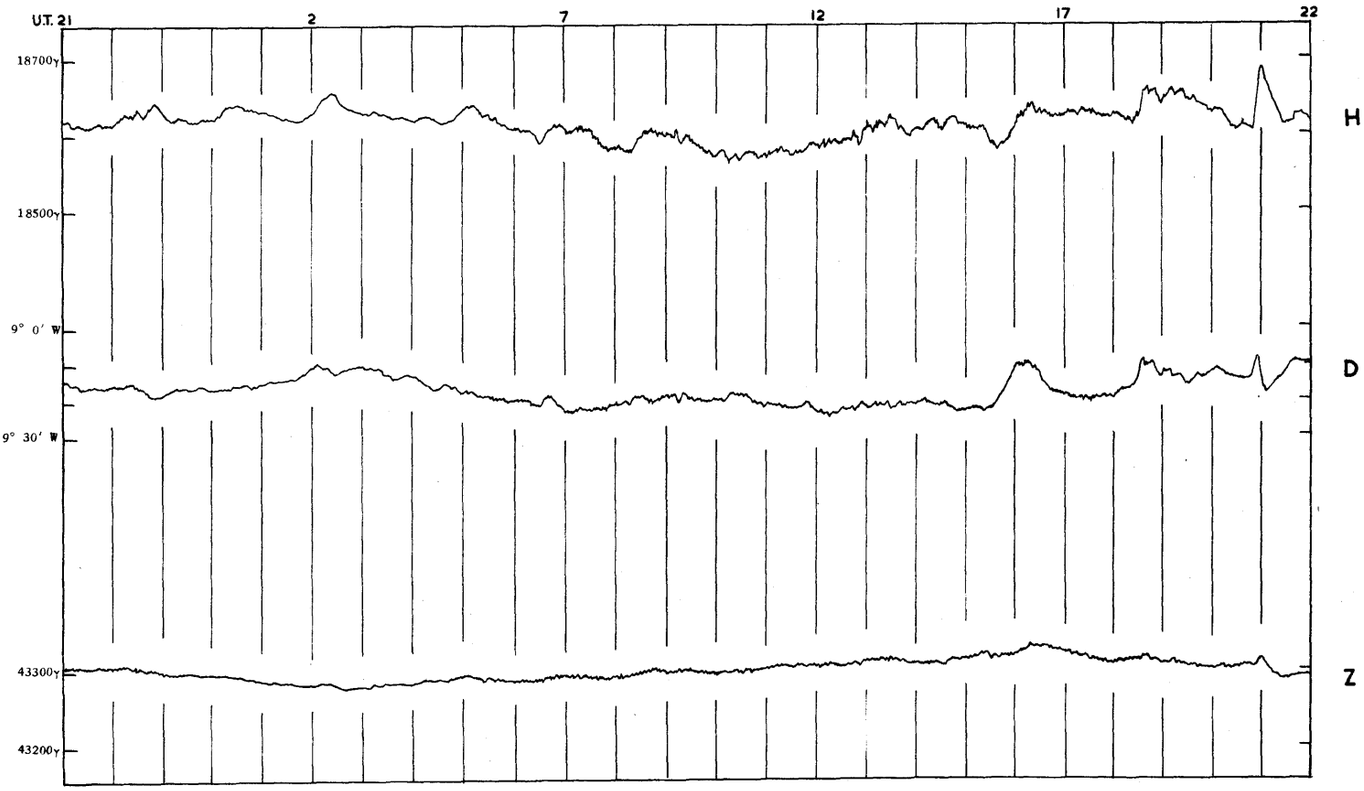


Plate VII

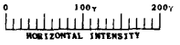
1950 OCT 3 – 4

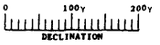


1950 OCT 4 – 5



SCALES FOR THE MAGNETIC ELEMENTS





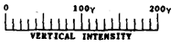
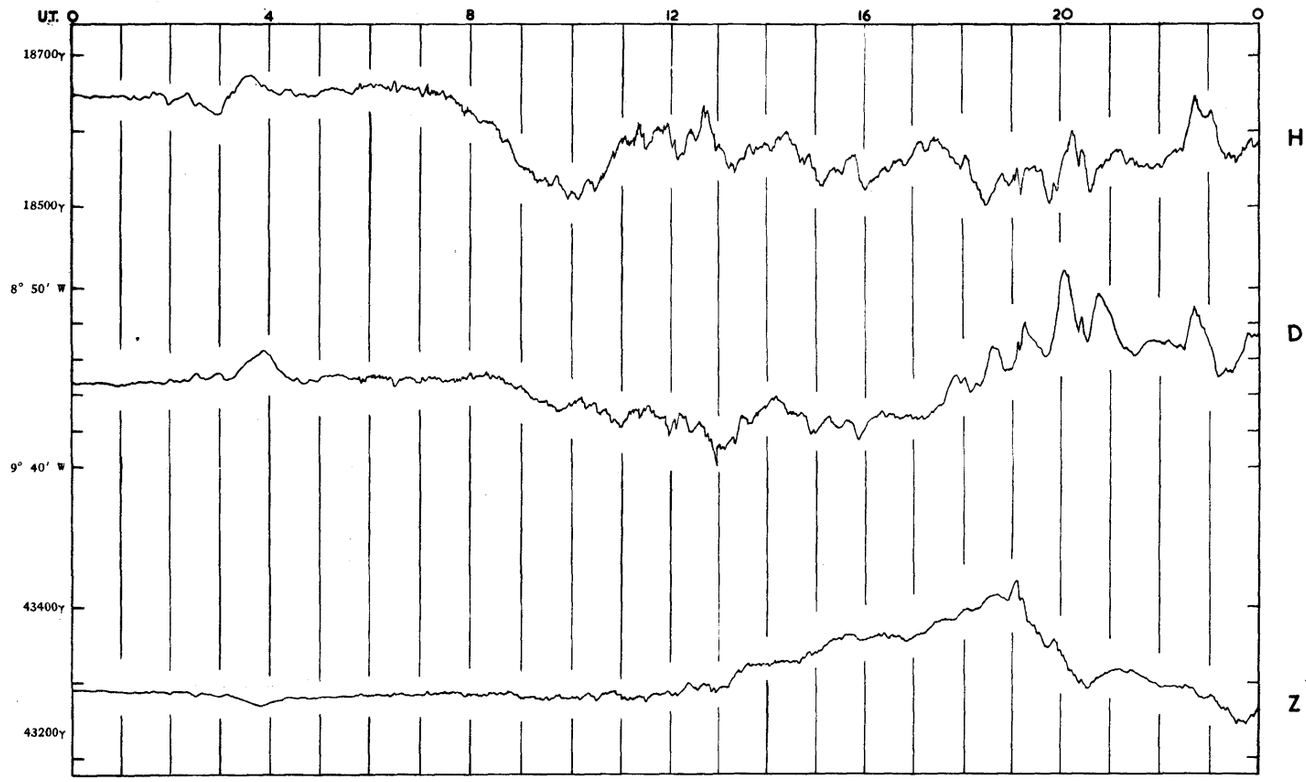
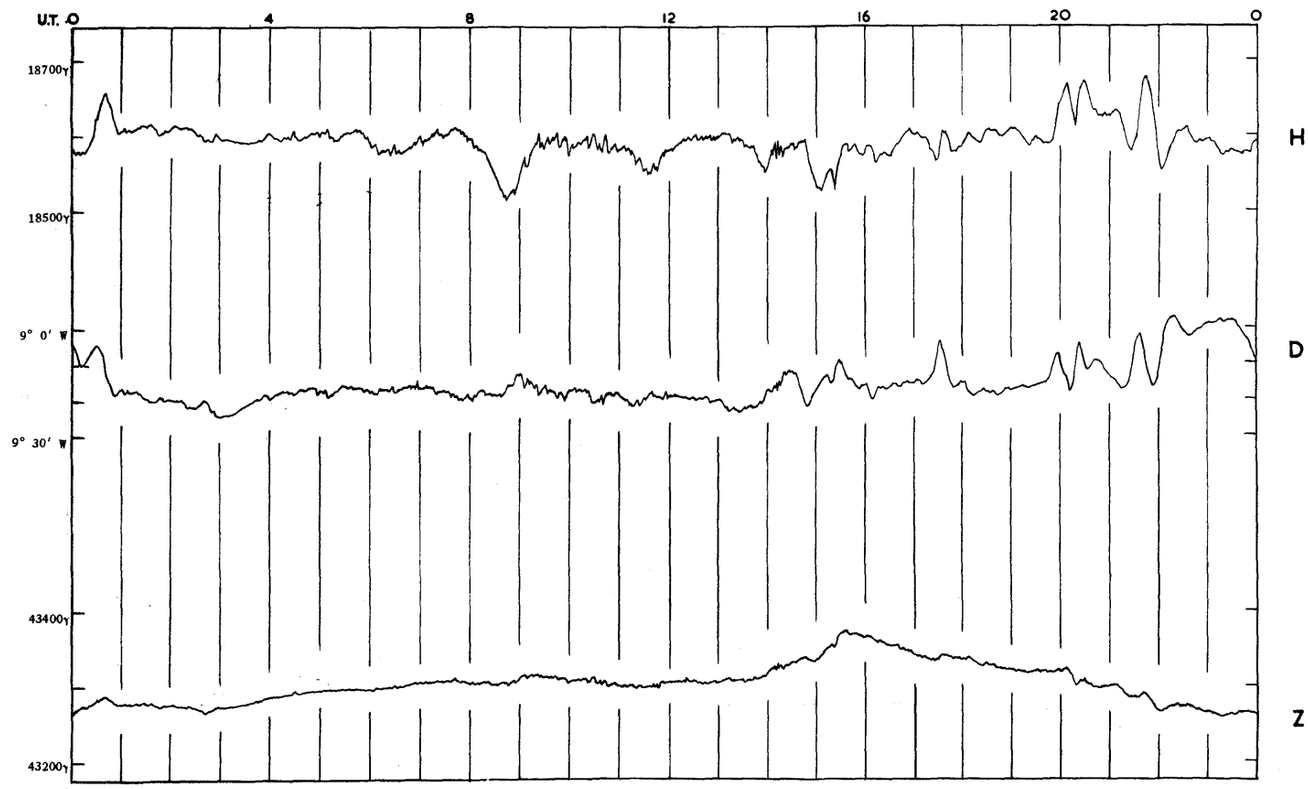


Plate VIII

1950 OCT 28



1950 OCT 29



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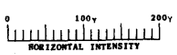


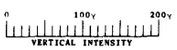
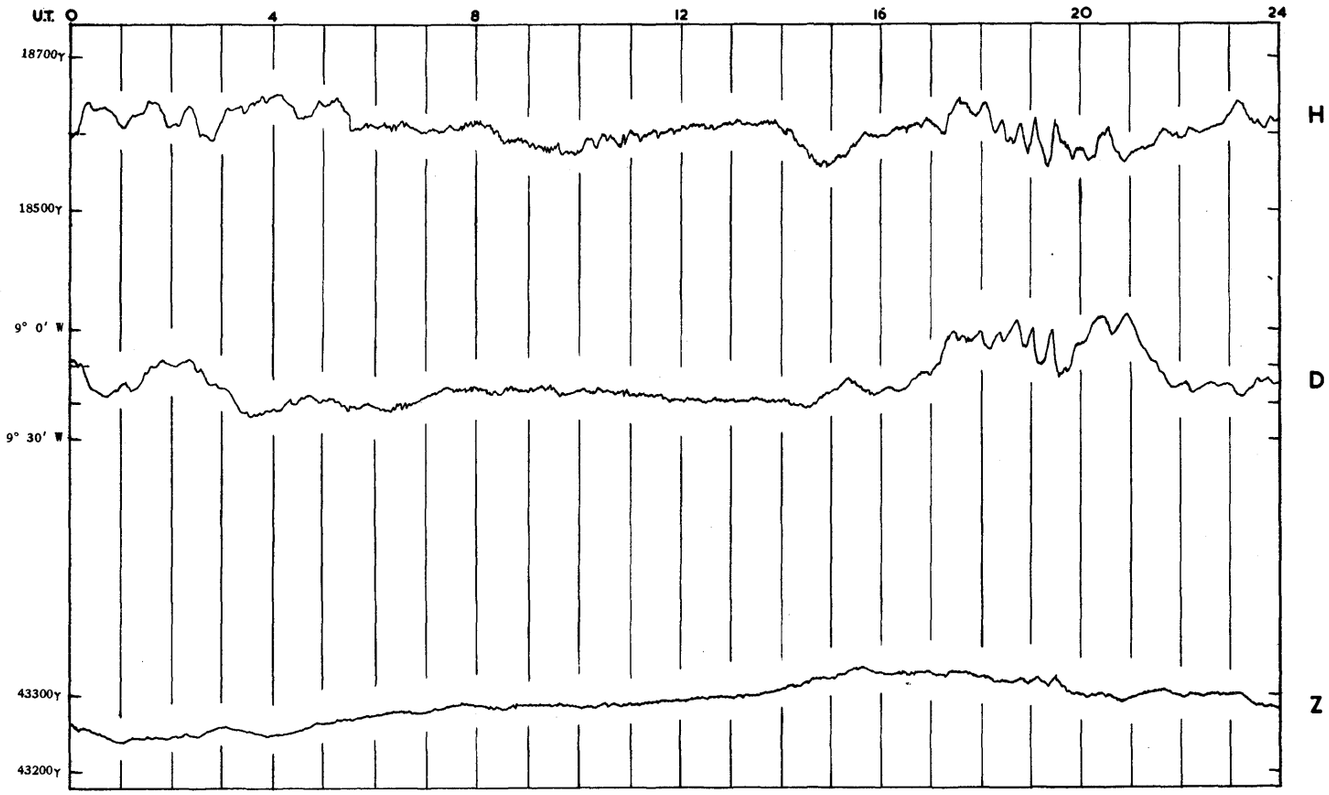


Plate IX

1950 OCT 30



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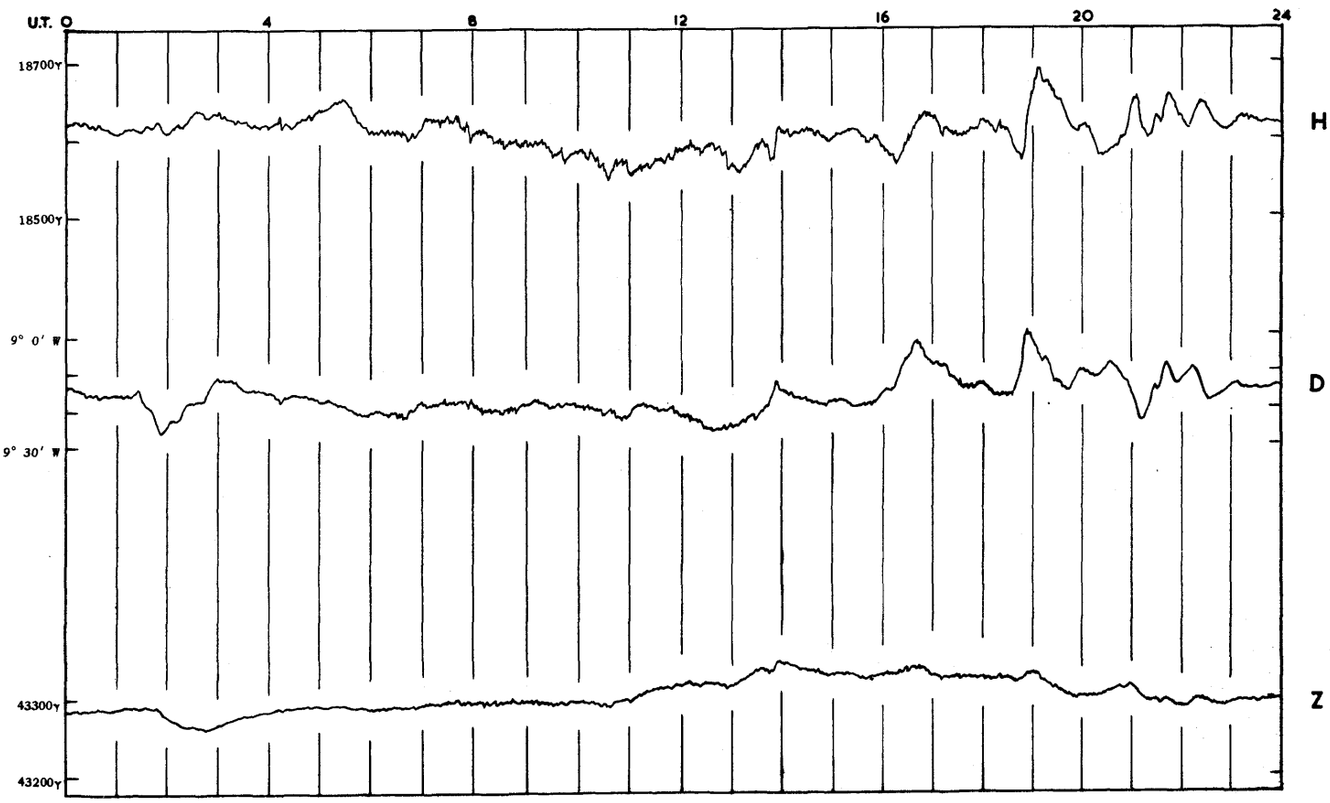
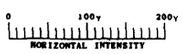


SCALES FOR THE MAGNETIC ELEMENTS



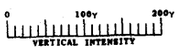
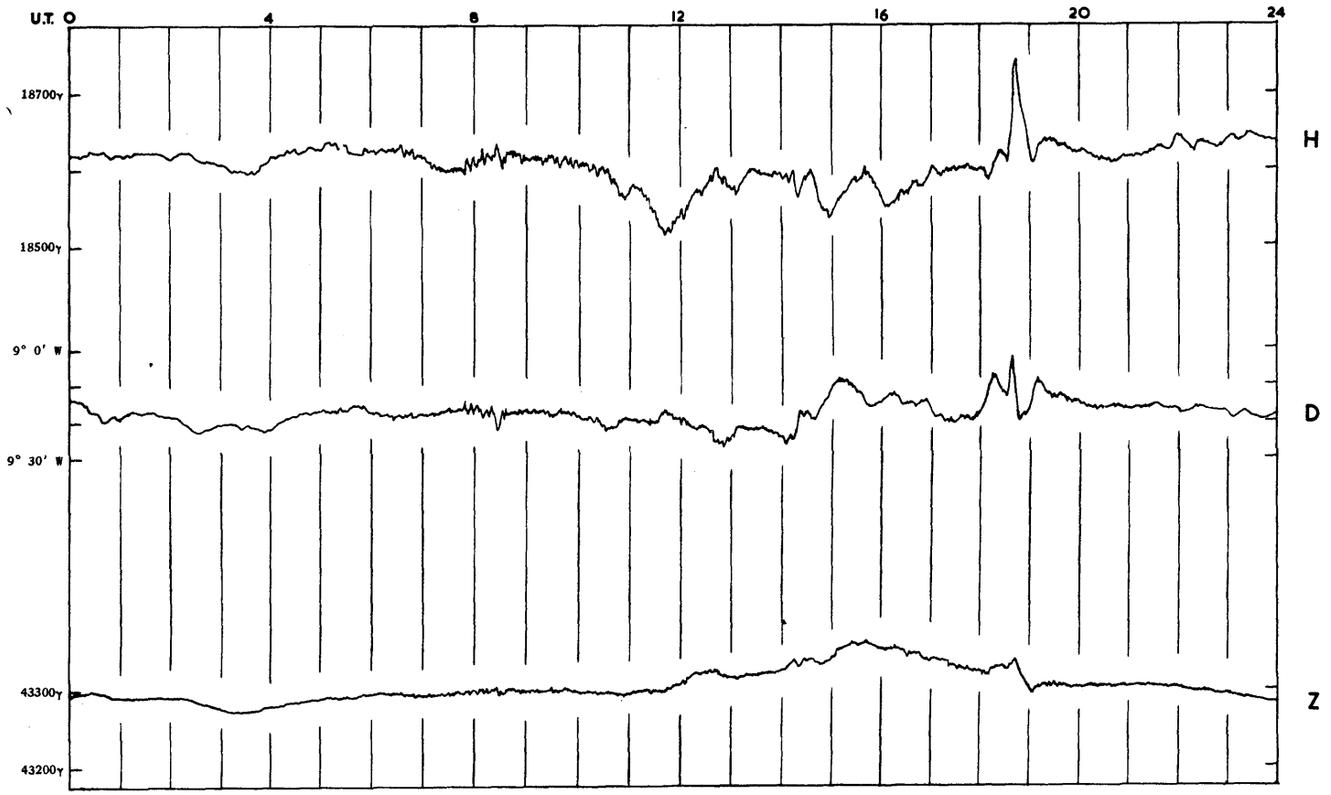
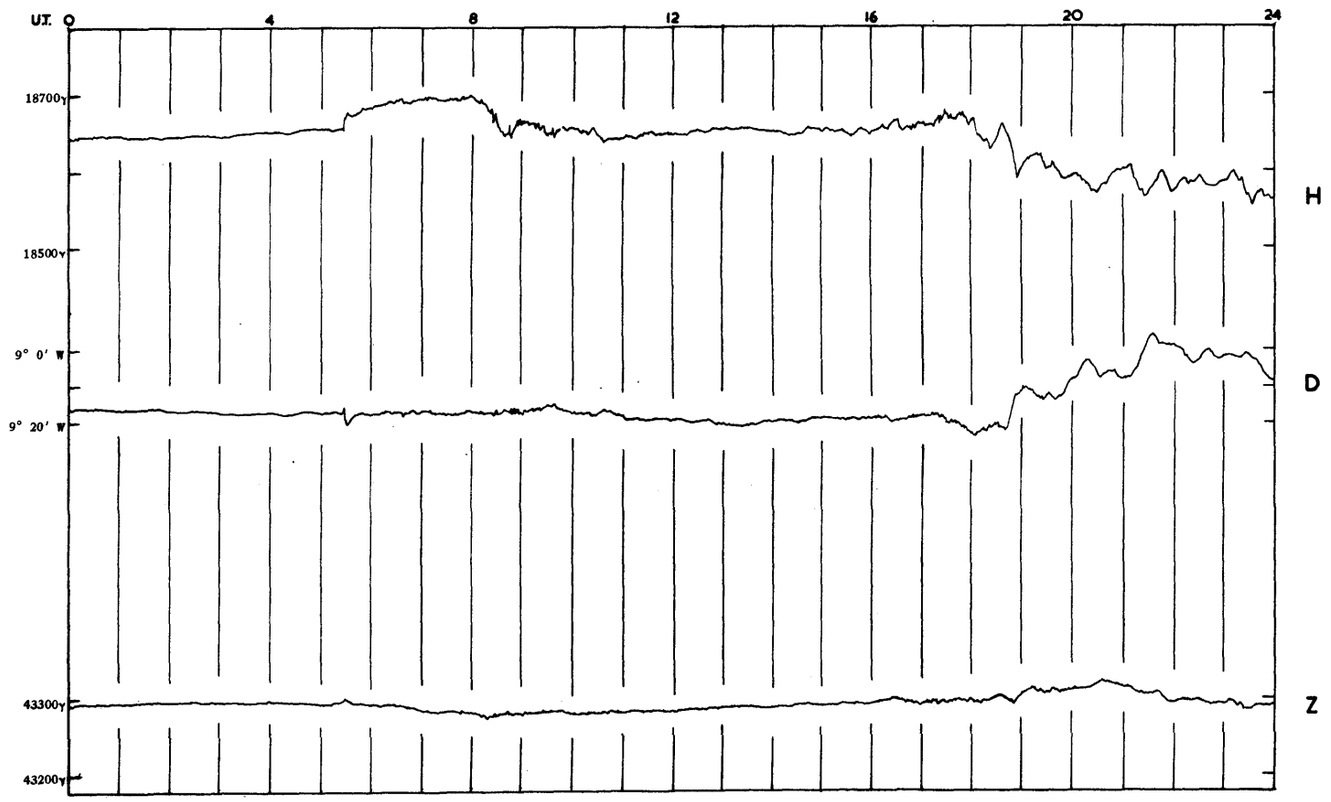


Plate X

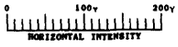
1950 NOV 1

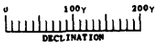


1950 DEC 12



SCALES FOR THE MAGNETIC ELEMENTS





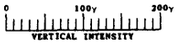
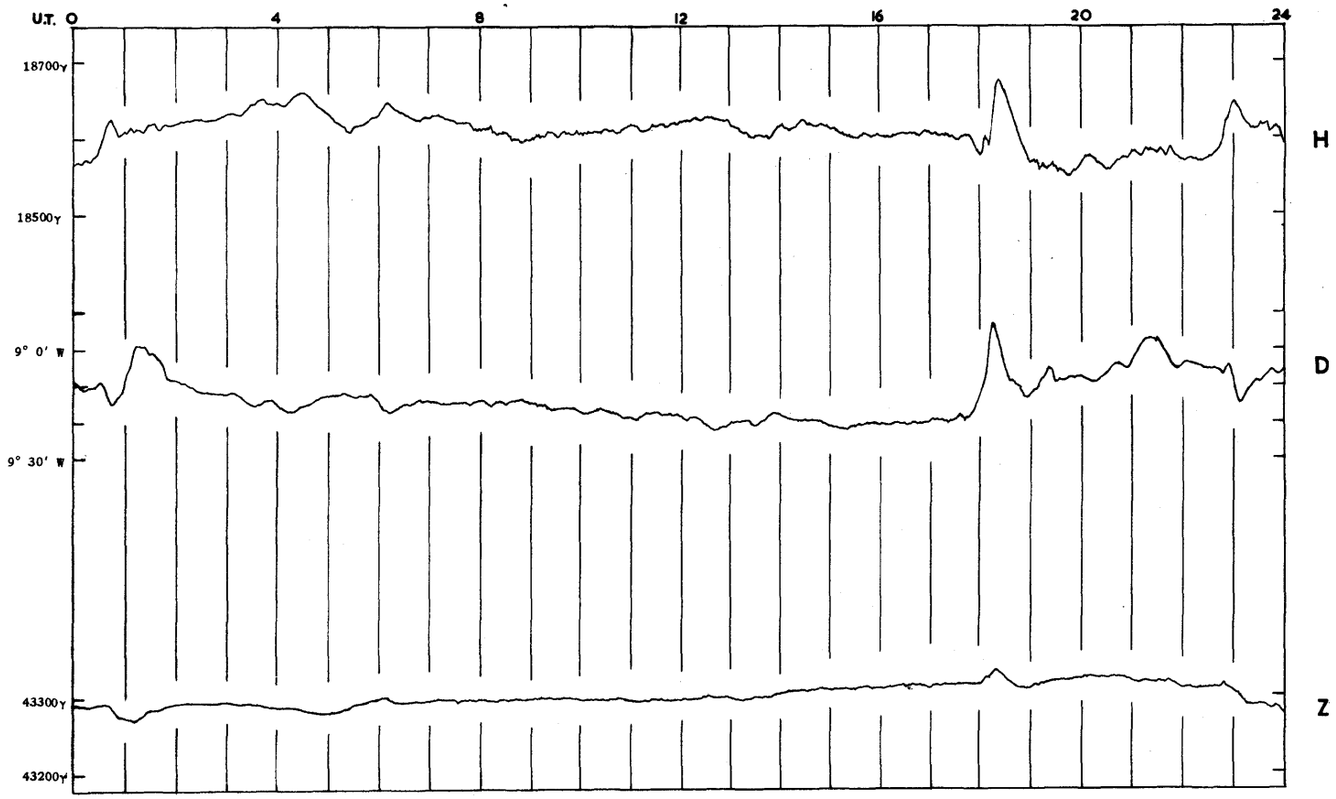


Plate XI

1950 DEC 13



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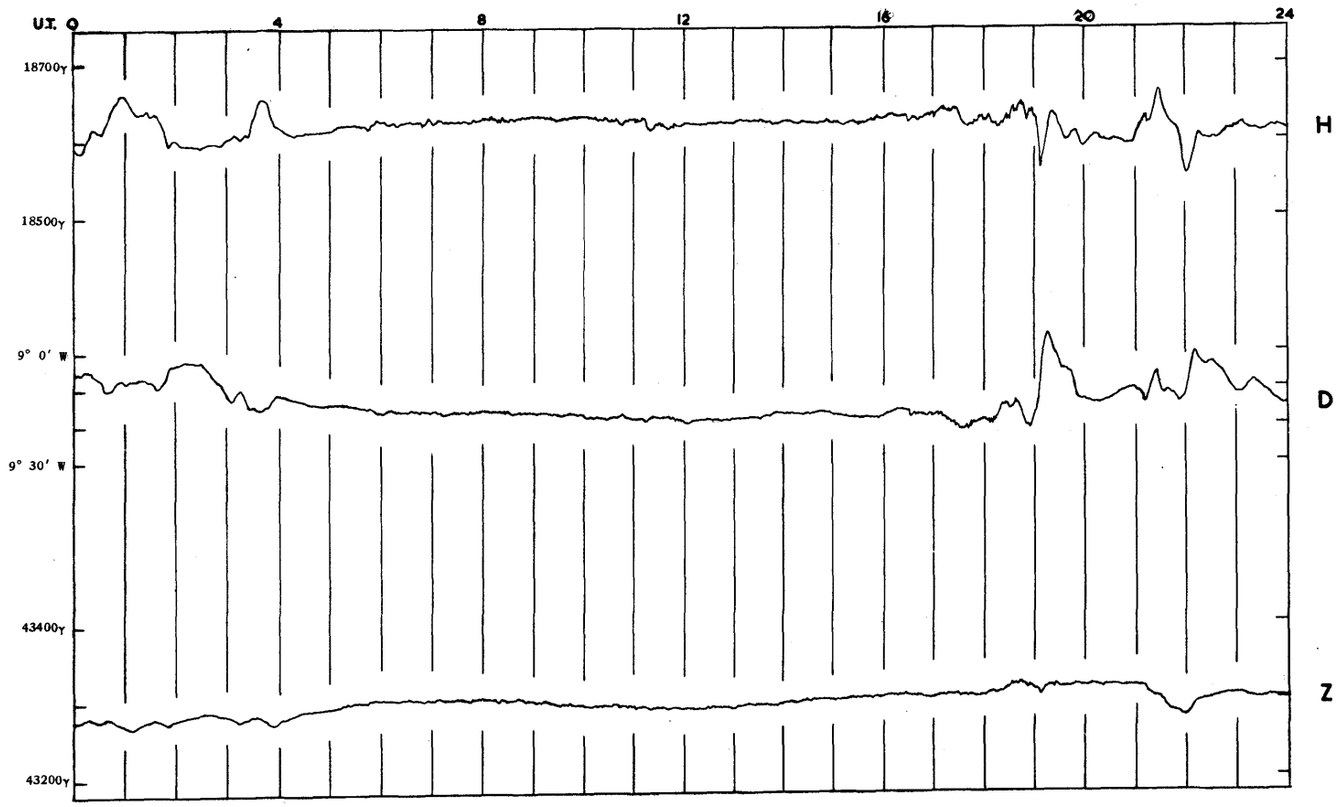
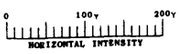
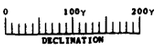


SCALES FOR THE MAGNETIC ELEMENTS





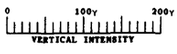
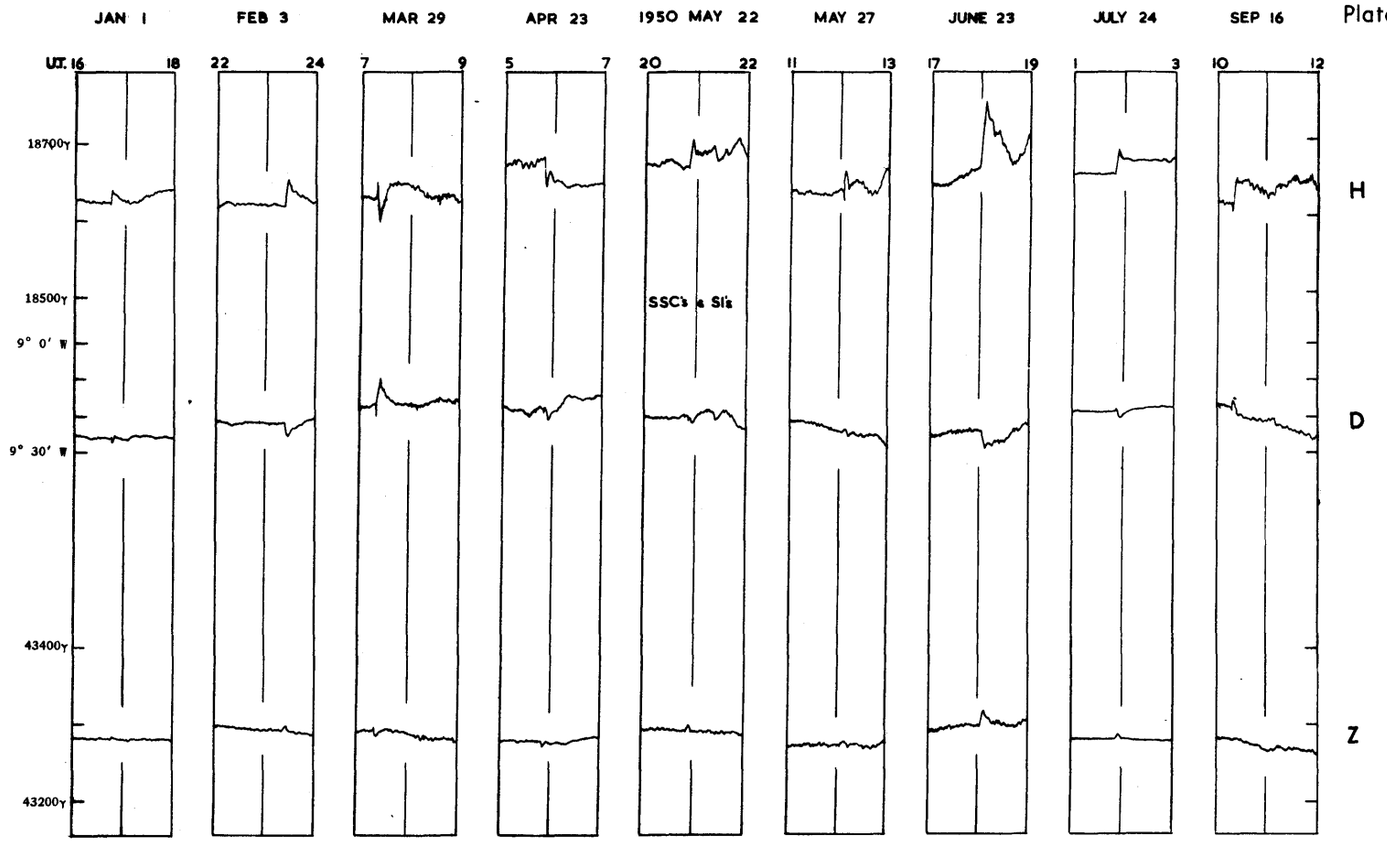
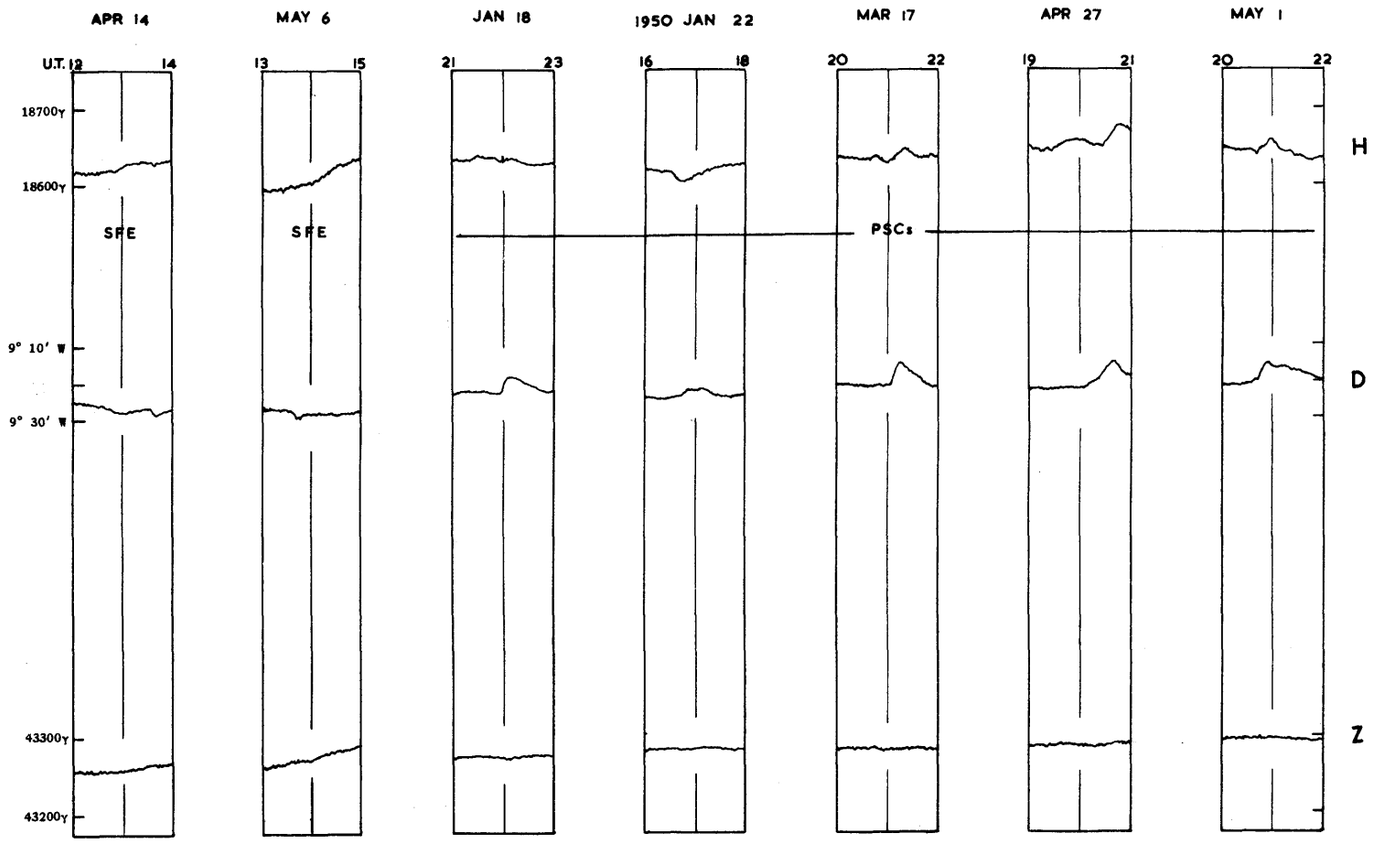
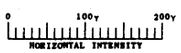


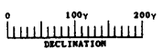
Plate XII





SCALES FOR THE MAGNETIC ELEMENTS





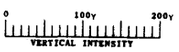
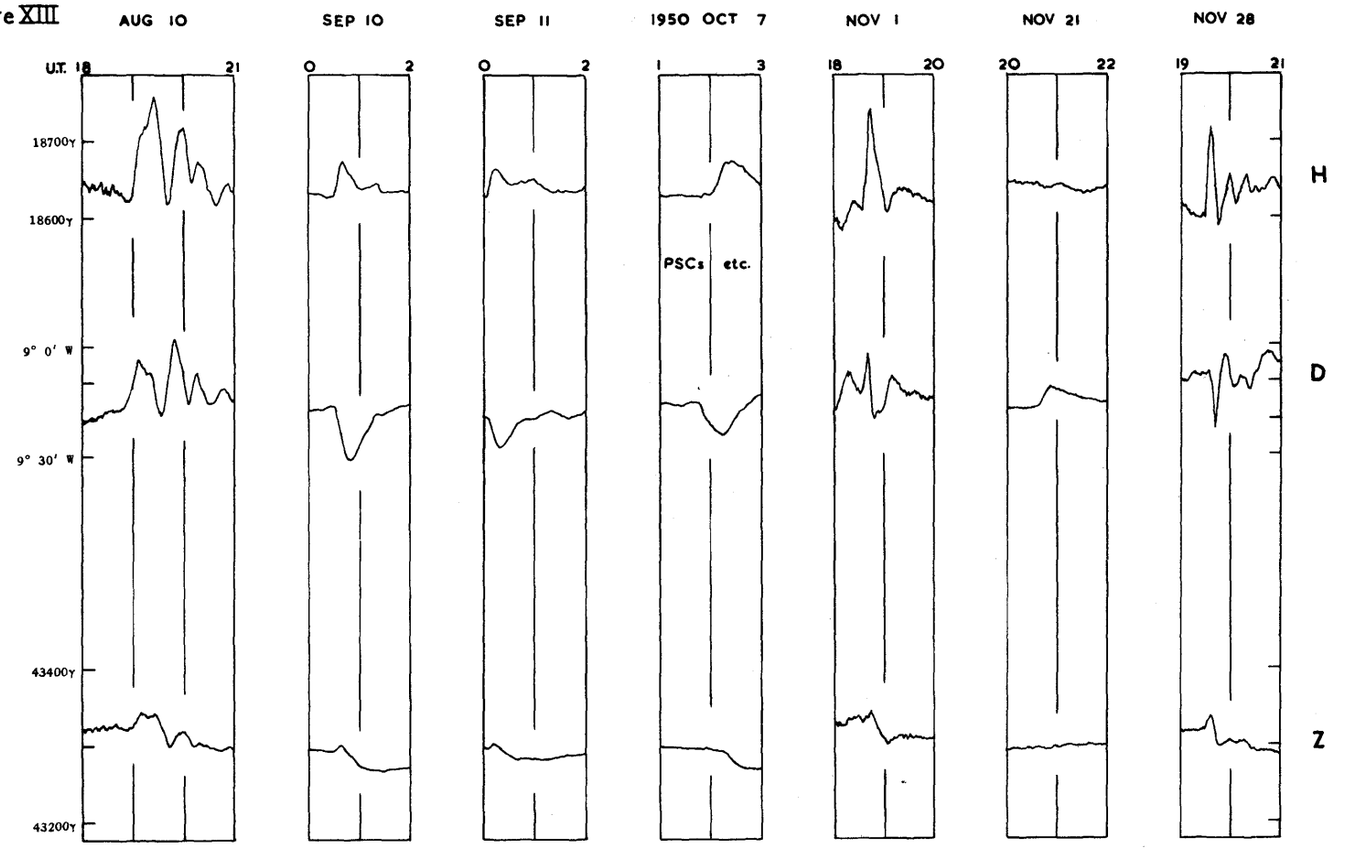
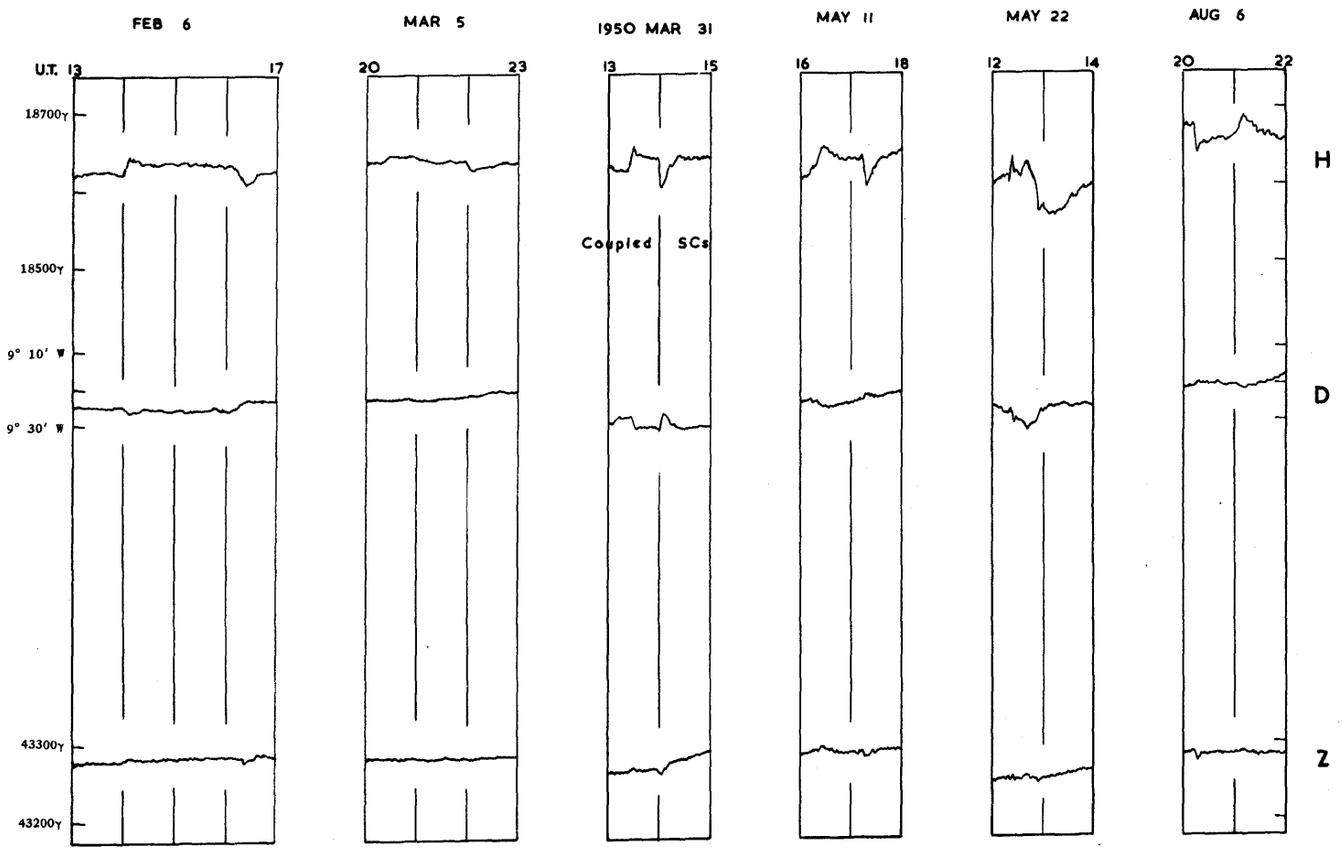
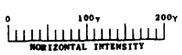


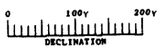
Plate XIII

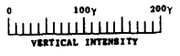




SCALES FOR THE MAGNETIC ELEMENTS







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ROYAL OBSERVATORY, GREENWICH
AND THE
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX

Results of

Meteorological Observations

1950

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	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
Jan.1	30.267	39.6	31.9	7.7	35.3	− 3.3	34.0	31.8	3.5	5.6	1.7	87	41.4	22.1	46.8	0.000	0.0	7.9
2	30.031	52.4	33.0	19.4	45.6	+ 7.2	44.1	42.3	3.3	5.3	1.7	88	55.7	31.0	46.8	0.016	0.0	7.9
3	29.822	52.8	50.3	2.5	51.2	+12.9	49.9	48.6	2.6	4.4	1.6	91	55.2	46.8	46.8	0.107	0.0	8.0
4	29.764	50.3	45.5	4.8	49.2	+10.9	46.7	43.8	5.4	8.6	1.8	82	52.9	42.0	46.7	0.033	0.0	8.0
5	29.548	52.8	42.8	10.0	47.2	+ 9.0	44.1	40.3	6.9	11.0	1.8	76	65.3	37.5	46.8	0.018	0.4	8.0
6	29.549	49.0	38.8	10.2	44.6	+ 6.5	41.1	36.1	8.5	12.1	6.0	72	60.7	33.6	46.8	0.002	1.9	8.0
7	29.725	52.3	44.8	7.5	48.7	+10.7	46.8	44.7	4.0	6.2	2.2	86	61.0	37.8	46.9	0.000	0.0	8.1
8	29.791	49.9	42.3	7.6	45.4	+ 7.5	43.6	41.4	4.0	6.0	2.3	86	53.0	35.3	46.9	0.000	0.0	8.1
9	29.769	49.0	40.6	8.4	43.6	+ 5.7	42.7	41.6	2.0	4.5	0.0	92	61.2	29.8	46.9	0.000	0.0	8.1
10	30.060	52.8	43.4	9.4	49.6	+11.7	48.0	46.3	3.3	7.4	0.9	88	61.2	32.3	47.0	0.000	0.0	8.1
11	30.222	53.5	51.3	2.2	52.3	+14.4	51.0	49.7	2.6	3.7	1.6	91	60.6	47.7	47.0	0.000	0.0	8.2
12	30.359	52.5	38.6	13.9	44.5	+ 6.6	43.1	41.4	3.1	3.6	0.0	88	48.8	28.4	47.0	0.000	0.0	8.2
13	30.154	50.0	39.7	10.3	46.5	+ 8.5	45.4	44.1	2.4	4.4	1.1	91	54.7	34.0	47.0	0.000	0.0	8.2
14	30.165	50.1	44.9	5.2	47.6	+ 9.6	46.5	45.3	2.3	5.3	1.2	91	56.7	40.8	47.0	0.012	0.0	8.3
15	29.993	51.5	46.6	4.9	49.2	+11.1	46.1	42.5	6.7	10.6	4.3	77	56.3	40.8	47.1	0.000	0.0	8.3
16	29.748	46.6	39.0	7.6	43.0	+ 4.7	40.4	36.7	6.3	12.2	3.2	79	63.3	32.1	47.0	0.005	3.2	8.4
17	29.945	44.3	40.6	3.7	42.6	+ 4.1	39.8	35.7	6.9	10.2	3.8	76	63.2	34.8	47.0	0.025	0.9	8.4
18	30.274	43.0	37.0	6.0	39.9	+ 1.3	37.4	33.4	6.5	11.6	2.7	77	66.3	33.0	47.0	0.000	3.9	8.4
19	30.316	37.0	32.0	5.0	34.8	− 3.9	32.6	28.7	6.1	9.2	1.7	77	43.0	27.3	46.9	0.008	0.2	8.5
20	30.228	35.1	30.4	4.7	32.3	− 6.5	30.2	26.7	5.6	7.8	3.4	77	33.0	24.6	46.5	0.000	0.0	8.5
21	30.239	40.4	31.4	9.0	35.8	− 3.0	32.8	27.5	8.3	16.6	3.7	70	67.3	25.8	46.4	0.000	2.9	8.6
22	30.216	41.5	35.8	5.7	39.4	+ 0.6	37.9	35.8	3.6	5.5	1.8	86	42.9	30.0	46.2	0.000	0.0	8.6
23	30.154	40.4	33.3	7.1	37.0	− 1.9	35.0	31.6	5.4	10.4	2.4	81	64.3	27.6	46.0	0.000	1.6	8.7
24	30.013	36.9	30.9	6.0	33.2	− 5.7	30.9	27.2	6.0	13.7	4.2	76	48.7	26.6	45.8	0.000	0.6	8.7
25	29.913	31.6	29.0	2.6	30.9	− 8.2	28.5	24.2	6.7	7.9	4.7	73	36.2	25.0	45.5	0.000	0.0	8.8
26	29.999	36.0	22.5	13.5	28.6	−10.7	27.0	24.0	4.6	10.9	1.0	80	64.5	15.3	45.2	0.000	0.7	8.8
27	30.081	33.9	26.7	7.2	29.6	− 9.9	29.0	28.0	1.6	2.6	0.0	93	45.8	16.4	45.0	0.000	0.3	8.9
28	30.003	35.1	30.3	4.8	32.7	− 6.9	31.0	28.3	4.4	7.2	1.5	83	45.0	23.2	44.8	0.000	0.0	8.9
29	29.907	32.3	25.4	6.9	28.1	−11.6	26.4	23.1	5.0	7.6	1.9	79	60.7	16.8	44.4	0.000	1.8	9.0
30	29.756	37.9	25.4	12.5	33.1	− 6.6	32.0	30.3	2.8	4.6	1.6	89	44.0	16.6	44.0	0.040	0.0	9.0
31	29.509	46.0	34.7	11.3	41.1	+ 1.4	40.3	39.2	1.9	2.2	1.2	93	48.6	32.4	43.9	0.799	0.0	9.1
Means	29.985	44.4	36.7	7.7	40.7	+ 2.1	38.8	36.1	4.6	7.7	2.2	83.1	54.2	30.6	46.3	Sum 1.065	0.6	8.4
No. of Col. for Ref.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the civil day, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the civil 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 autographic 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 autographic 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 29.985 in., being 0.184 in. higher than the average for the 65 years, 1841-1905.

TEMPERATURE OF THE AIR.

The highest in the month was 53°.5 on January 11; the lowest in the month was 22°.5 on January 26; and the range was 31°.0.

The mean of all the highest daily readings in the month was 44°.4, being 1°.3 higher than the average for the 65 years, 1841-1905.

The mean of all the lowest daily readings in the month was 36°.7, being 2°.5 higher than the average for the 65 years, 1841-1905.

The mean of the daily ranges was 7°.7, being 1°.2 less than the average for the 65 years, 1841-1905.

The mean of the month was 40°.7, being 2°.1 higher than the average for the 65 years, 1841-1905.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	RECORD OF THE NIGHT SKY				WIND AS DEDUCED FROM SELF-REGISTERING ANEMOMETERS					CLOUDS AND WEATHER			
	Polaris		δ URSÆ MINORIS		OSLER'S				Robinson's				
	Duration	Fraction of Total Exposure	Duration	Fraction of Total Exposure	General Direction		Pressure on the Square Foot		Horizontal Movement of the Air	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h
					A.M.	P.M.	Greatest	Mean of 24 Hourly Measures					
	hours		hours				lbs.	lbs.	miles				
Jan. 1	1.0	0.08	0.1	0.01	Calm	WSW	0.8	0.05	149	c b c x m	c *Stcu* m f	b ff	b x c ff
2	0.0	0.00	0.0	0.00	SW: WSW	WSW: W	6.3	0.74	404	c f m_o	c *St*	c *St* r_o c	c dd
3	0.0	0.00	0.0	0.00	W: WNW	WNW: NW	5.3	0.38	359	dd m	c *Nbst* $1d_o$ m_o	c *Nbst* d r_o m_o	c r_o r_o
4	0.3	0.02	0.1	0.01	NW: WNW	WNW: WSW	3.0	0.25	318	r_o r_o c m_o	c *St* m_o	c *Cu Frcu* m_o	c m_o
5	8.5	0.62	7.8	0.57	WSW: SW	SW: SSW: WSW	7.3	0.65	372	c m_o	c r_o c *Acu Ci* m_o	c *Acu* c r_o	r_o r b
6	2.9	0.21	0.8	0.06	SW	SW	8.5	1.33	507	b	b bc *Frcu Cicu Ci*	bc *Ci Frcu* c	c
7	6.1	0.45	4.3	0.32	SW: SSW	SSW: S: SSE	4.2	0.37	297	c d_o c	c *St*	c *St*	c b c
8	7.7	0.57	5.5	0.41	SSE: Calm	S: Calm	2.0	0.06	146	c m_o	c *Cicu Ci* c m	c *St* m	c m
9	5.4	0.40	4.7	0.35	Calm	Calm: SSW	0.0	0.00	100	b c m w f	c *Acu Ci* f m	c *Acu* m b f	b f c m
10	0.0	0.00	0.0	0.00	SW	SW	1.5	0.08	222	c w m	c *Ast* m	c *Ast* m m_o	c m_o
11	5.9	0.44	5.5	0.40	SW	SW	1.7	0.18	280	c d_o m_o	c *Nbst* 1 d_o m	c *Nbst* 1 d_o m	c m
12	6.0	0.45	5.0	0.37	NW: Calm	Calm: SE	1.3	0.03	126	c b m w	b *Ci* m f	b c *Frcu Ci* ff	c b c
13	2.5	0.19	1.8	0.13	S: SSW	WSW: SW	1.3	0.07	198	c m_o	c *St* r_o c m_o	c d_o c *Stcu* m_o m	c b m
14	0.8	0.06	0.0	0.00	SW: W	WSW: SW	2.2	0.08	216	c d c	c *Nbst* c d_o g m	d_o g c *Stcu* m	c
15	3.0	0.22	2.3	0.17	SW	SW: WSW	4.5	0.65	392	c	c *Acu Stcu*	c r_o c *Nbst*	c
16	4.2	0.32	3.2	0.24	WSW	WNW: WSW: NW	3.4	0.29	304	c b	b f b	bc *Cu Frcu* c	c d_o d_o c
17	1.2	0.09	0.7	0.05	NNW: N	N: NNW	9.6	0.75	360	c b c	c *Nbst* 1 r c	c bc *Frcu*	c 1 r_o
18	2.1	0.16	1.4	0.11	NNW: N: NNE	NNE: NE	2.2	0.15	253	r_o c	c *Stcu* b *Ci Frcu*	b *Cu Frcu*	c r_o c
19	4.1	0.31	4.1	0.31	NNE: NE	ENE: NE	6.6	0.46	287	c b	c *Nbst* 1 s_o	c *Nbst* 1 s_o c *Acu Cumb*	c
20	0.0	0.00	0.0	0.00	NE: ENE	NNE	6.5	0.77	384	c b	b c *Nbst* 1 s_o	c *Nbst* 1 s_o c	c
21	5.2	0.40	3.8	0.29	ENE: NE	ENE: NE	5.0	0.36	288	c m	c *Acu* m bc	bc *Acu* c y	c b c
22	0.0	0.00	0.0	0.00	NE: Calm	Calm: ENE	2.4	0.06	165	c m	c d_o m c *St* f	c *St* ff	c m_o
23	8.8	0.68	7.4	0.57	ENE: E	E: NE	5.0	0.40	296	c m_o	c *St* m_o bc *Cu Stcu*	bc b *Stcu Frcu*	b c
24	0.7	0.05	0.1	0.01	ENE	ENE: NE: NNE	4.3	0.55	338	c x	c *Stcu*	c *Frcu*	c
25	6.1	0.47	5.3	0.41	NE: NNE	Calm	1.7	0.06	153	c	c *Stcu*	c *Stcu* g	c
26	13.0	1.00	13.0	1.00	Calm: S	Calm	0.0	0.00	105	c b x	b bc *Acu* x f	b ff x	b ff x
27	4.7	0.36	3.2	0.24	S: Calm	Calm	0.2	0.00	107	b ff x	b ff x	b c b ff x	b c ff c
28	9.3	0.74	9.2	0.74	NE: ENE	ENE: E	6.6	0.55	318	c b c x	c *Acu Stcu* x	c *Stcu* x	c b x
29	8.3	0.66	8.0	0.64	E: ESE	E: ESE	2.6	0.20	231	b x f	f b *Ci* m_o x	b *Ci* m_o x	b m_o x
30	0.0	0.00	0.0	0.00	ESE: SE	Calm: E	3.0	0.03	137	b x c m_o	c *Ast* c *Nbst* r_o m	c *Nbst* m	c rr c
31	0.6	0.05	0.0	0.00	ESE: SSW: W	Calm: N: NW	2.2	0.08	195	rr c m	c *Nbst* 1 r_o m	rr c *Nbst* rr m	rr c m
Means	3.8	0.29	3.1	0.24	..	..	..	0.31	258				
No. of Col. for Ref.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 38°.8, being 1°.6 higher than
The mean *Temperature of the Dew Point* for the month was 36°.1, being 1°.0 higher than
The mean *Degree of Humidity* for the month was 83.1, being 3.7 less than
The mean *Elastic Force of Vapour* for the month was 0.213 in., being 0.008 in. 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 8)* was 6.2.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0.071. The maximum daily amount of *Sunshine* was 3.9 hours on January 18.

The highest reading of the *Solar Radiation Thermometer* was 67°.3 on January 21; and the lowest reading of the *Terrestrial Radiation Thermometer* was 15°.3 on January 26.

The *Proportions of Wind* referred to the cardinal points were N. 17, E. 20, S. 21, W. 25, calm or nearly calm conditions 17, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 9.6 lbs. on the square foot on January 17. The mean daily *Horizontal Movement of the Air* for the month was 258 miles; the greatest daily value was 507 miles on January 6 and the least daily value was 100 miles on January 9.

Rain (0.005 in. or over) fell on 10 days in the month, amounting to 1.065 in., as measured by gauge No. 6 partly sunk below the ground; being 0.816 in. less than the average fall for the 65 years, 1841-1905.

* This scale, ranging from 0 to 8, was adopted from January 1, 1949, in accordance with the new International Code.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	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	29.468	47.4	31.5	15.9	40.2	+ 0.6	39.1	37.5	2.7	5.1	0.8	90	52.1	29.2	43.7	0.226	0.0	9.1
2	29.451	48.8	35.7	13.1	43.8	+ 4.3	42.4	40.6	3.2	4.3	0.8	88	55.5	26.3	43.6	0.648	0.0	9.2
3	29.284	52.0	43.6	8.4	48.8	+ 9.3	46.4	43.6	5.2	7.7	2.4	82	59.9	37.2	43.5	0.159	0.5	9.2
4	29.425	50.8	43.8	7.0	46.4	+ 6.9	44.1	41.3	5.1	10.0	2.4	82	79.3	37.5	43.7	0.035	2.6	9.3
5	29.148	46.1	38.4	7.7	42.9	+ 3.3	40.3	36.6	6.3	10.3	0.8	78	85.4	33.0	43.8	0.200	3.8	9.4
6	29.162	45.8	38.6	7.2	42.3	+ 2.7	40.0	36.7	5.6	12.4	1.9	80	47.5	31.6	43.9	0.098	0.0	9.4
7	29.722	47.7	34.3	13.4	41.9	+ 2.4	39.9	37.0	4.9	7.7	2.8	83	63.9	26.9	44.0	0.005	0.7	9.5
8	29.516	45.8	34.8	11.0	41.4	+ 2.1	38.6	34.3	7.1	12.4	2.9	76	86.2	28.5	44.0	0.068	2.1	9.5
9	29.516	52.0	34.1	17.9	41.1	+ 2.0	39.9	38.4	2.7	5.2	1.0	90	58.0	27.8	44.0	0.440	0.0	9.6
10	29.249	53.4	40.6	12.8	50.9	+12.0	48.3	45.5	5.4	12.7	2.2	81	60.3	35.0	44.0	0.215	0.0	9.7
11	29.084	48.0	40.5	7.5	43.3	+ 4.5	39.5	33.7	9.6	18.0	6.4	69	84.3	35.0	44.0	0.085	2.9	9.7
12	29.212	47.4	39.8	7.6	44.2	+ 5.4	41.4	37.5	6.7	10.9	2.4	77	80.1	33.6	44.2	0.224	2.3	9.8
13	29.002	44.9	35.9	9.0	40.9	+ 1.9	39.0	36.2	4.7	7.8	2.4	83	76.3	29.5	44.3	0.224	0.9	9.8
14	29.621	47.8	34.6	13.2	39.9	+ 0.6	36.8	31.7	8.2	12.7	2.6	72	87.3	27.9	44.3	0.068	4.2	9.9
15	29.753	55.7	41.9	13.8	50.5	+11.1	48.0	45.3	5.2	9.4	1.7	82	99.1	38.0	44.5	0.041	0.2	10.0
16	30.048	53.8	47.4	6.4	51.2	+11.7	47.7	43.7	7.5	10.6	4.8	76	64.8	39.2	44.5	0.000	0.0	10.0
17	30.065	62.0	45.8	16.2	52.1	+12.5	47.3	41.9	10.2	21.0	4.1	68	107.9	37.6	44.7	0.001*	7.7	10.1
18	30.022	60.8	47.6	13.2	52.6	+13.1	48.1	43.0	9.6	19.7	4.4	70	99.9	38.8	44.8	0.000	3.6	10.1
19	29.866	53.5	43.8	9.7	48.0	+ 8.5	45.5	42.5	5.5	11.5	2.7	81	79.2	36.7	44.8	0.090	0.0	10.2
20	29.354	51.1	45.8	5.3	48.7	+ 9.2	46.3	43.5	5.2	8.7	1.8	82	77.9	42.7	45.0	0.294	0.6	10.3
21	29.861	48.7	35.5	13.2	43.6	+ 4.0	40.3	35.4	8.2	13.6	3.9	73	87.8	26.8	45.2	0.008	4.0	10.4
22	30.078	49.8	30.5	19.3	39.3	- 0.4	36.9	33.0	6.3	14.0	1.6	78	96.5	21.8	45.3	0.000	3.1	10.4
23	29.680	50.7	35.4	15.3	43.1	+ 3.3	40.4	36.5	6.6	15.4	2.2	78	96.3	26.2	45.3	0.073	0.2	10.5
24	29.388	54.3	46.0	8.3	49.3	+ 9.3	47.5	45.5	3.8	8.3	2.2	87	81.7	42.0	45.3	0.094	0.2	10.5
25	29.178	51.5	33.1	18.4	42.6	+ 2.5	39.7	35.4	7.2	13.2	2.7	75	83.7	28.0	45.2	0.000	1.1	10.6
26	29.601	42.2	29.9	12.3	35.4	- 4.8	33.4	30.0	5.4	10.6	2.8	80	65.3	24.2	45.1	0.040	1.4	10.7
27	29.925	45.0	28.9	16.1	35.2	- 5.1	33.0	29.1	6.1	20.1	0.0	78	88.8	20.6	45.2	0.000	3.4	10.8
28	29.898	47.0	26.1	20.9	34.3	- 6.0	31.3	26.5	7.8	20.5	0.8	70	102.8	17.8	45.0	0.003*	8.0	10.8
Means	29.556	50.1	38.0	12.1	44.1	+ 4.5	41.5	37.9	6.1	11.9	2.4	78.9	78.8	31.4	44.5	Sum 3.339	1.9	9.9
No. of Col. for Ref.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the civil day, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the civil 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 autographic 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 autographic 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 February 17 and 28 are derived from dew or frost.

The mean reading of the *Barometer* for the month was 29.556 in., being 0.253 in. lower than the average for the 65 years, 1841-1905.

TEMPERATURE OF THE AIR.

The highest in the month was 62°.0 on February 17; the lowest in the month was 26°.1 on February 28; and the range was 35°.9.

The mean of all the highest daily readings in the month was 50°.1, being 5°.2 higher than the average for the 65 years, 1841-1905.

The mean of all the lowest daily readings in the month was 38°.0, being 3°.3 higher than the average for the 65 years, 1841-1905.

The mean of the daily ranges was 12°.1, being 1°.9 greater than the average for the 65 years, 1841-1905.

The mean for the month was 44°.1, being 4°.5 higher than the average for the 65 years, 1841-1905.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	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				
Feb. 1	4.5	0.36	3.3	0.26	SW: S	S: SSW	22.5	1.61	441	c m	c f c *Cist so-ha* c r_o	r_o rr *Nbst*	rr_o c
2	0.0	0.00	0.0	0.00	SW: S: SSE	SE: S	23.0	1.46	394	c b	b c *Ast*	c *Nbst* r R	R r
3	2.6	0.21	1.5	0.12	S: SSW	SSW	30.0	2.93	587	rr_o c r	c *Nbst Cunb* 1 r *gale*	1 r bc *Ci Cunb* c	c r c
4	3.9	0.32	3.1	0.25	SSW: S	S: ESE: S	4.0	0.28	266	c b	b c *Stcu Acu*	c *Frcu Acu*	c r c
5	3.2	0.26	1.9	0.16	SSW: SW	S: SE: SSW	20.0	1.34	451	c r_o c b	b c *Ci Frcu*	c *Nbst* rr_o	rr bc
6	11.6	0.95	10.8	0.88	SSW: WSW: NW	NW: WNW	8.3	1.27	436	c r m	rr c *Nbst* r m	c *Nbst Cunb* b	b
7	4.4	0.36	3.3	0.27	SW	SSW: SW	8.0	0.42	291	b x	b m c *Acu*	c *Acu* c d_o	d_o c b
8	7.7	0.63	7.5	0.62	SSW: WSW	WSW	7.4	0.67	388	b c r c	c bc *Frcu Acu Ci*	bc c *Cist Cu* c r	c b
9	0.0	0.00	0.0	0.00	SW: SSW: S	SW: WSW	10.5	0.72	352	b x c	c *Nbst* dd rr	r ir, rr	rr c
10	7.9	0.65	6.9	0.57	WSW: SW	SW	23.3	2.74	650	c	c *Nbst* 1 d	c *Nbst* d r bc	bc p b
11	7.5	0.62	6.8	0.57	SW	SW: WSW	18.0	2.85	656	b c	c p bc *Cist Frcu* c	c *Cu* p	c p b
12	3.3	0.28	3.3	0.27	WSW	SW: SSW	22.0	2.48	587	b c b	b c *Ci Frst*	c *Ast* q r	c q r
13	9.6	0.80	9.2	0.77	SW: SSW	SSW: N: NW	10.0	0.80	365	c r b	b c *Nbst* r	c *Nbst* r c rr_o	c b
14	0.0	0.00	0.0	0.00	W: WSW	SW: WSW: SSW	8.0	0.55	333	b x	b m bc *Ci so-ha prhn*	c *Ast* r_o c	c rr
15	0.1	0.01	0.0	0.00	SW	SW	10.2	1.65	546	rr c	c *St Frst*	c *Stcu*	c
16	12.0	1.00	12.0	1.00	SW	SW: SSW	13.8	1.81	514	c 1 r_o c	c *Ast Stcu*	c *Ast Acu* bc	b
17	8.0	0.67	7.9	0.66	SSW	SSW: SW	8.4	0.80	357	b w	b *Acu* y	b *Ci* y	bc b
18	4.2	0.36	1.3	0.12	SSW: SW	SW: SSW	3.6	0.16	225	b w c	c *Acu* b *Ci*	b *Ci* y c	c b
19	0.0	0.00	0.0	0.00	Calm	S: SE: SSW	4.0	0.11	157	b c d c	c *St Cist*	c *St*	c rr
20	0.0	0.00	0.0	0.00	SSW: WSW	W: WNW	12.4	1.21	446	rr c rr	rr c *Nbst*	c *Nbst* 1 r	c r c
21	11.4	0.99	11.3	0.98	NNW	NNW: N: Calm	1.8	0.15	212	c r c	c bc *Frcu Ci*	bc *Frcu* c b	b
22	8.5	0.74	6.3	0.55	Calm: S	S: Calm	1.2	0.05	147	b x	b m bc *Ci*	bc *Frcu Ci* c	c b
23	0.0	0.00	0.0	0.00	S	S	1.1	0.06	186	b x c	c *Cist Acu so-ha* c y	c *Acu* y c r_o	r_o r c
24	3.3	0.28	3.2	0.28	SSW: SW	SSW: S	2.3	0.13	218	c	c 1 r c *Stcu*	c *Stcu*	c 1 r c
25	8.5	0.77	7.4	0.67	SSW: SW	N: NNE	11.0	0.91	362	c b	b c *Stcu*	c *Ci Frcu*	c bc
* 26	5.0	0.45	4.1	0.37	N: NNW	NNW	8.0	0.87	327	bc b x	b x c s_o c *Stcu*	c p h c *Stcu*	c
27	11.0	1.00	11.0	1.00	N: Calm	Calm	1.4	0.01	97	c b x c b	b Fe f b m	b *Frcu* z y	b m x
28	11.0	1.00	11.0	1.00	S: SSE	S	2.0	0.05	182	b x	b x b *Ci* y	b *Cu Ci* y	b m x
Means	5.3	0.45	4.8	0.41	..	..	..	1.00	363				
No. of Col. for Ref.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 41°.5, being 3°.8 higher than
The mean *Temperature of the Dew Point* for the month was 37°.9, being 2°.9 higher than
The mean *Degree of Humidity* for the month was 78.9, being 4.7 less than
The mean *Elastic Force of Vapour* for the month was 0.228 in., being 0.024 in. 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 8)* was 6.0.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0.192. The maximum daily amount of *Sunshine* was 8.0 hours on February 28.

The highest reading of the *Solar Radiation Thermometer* was 107°.9 on February 17; and the lowest reading of the *Terrestrial Radiation Thermometer* was 17°.8 on February 28.

The *Proportions of Wind* referred to the cardinal points were N. 10, E. 2, S. 49, W. 31, calm or nearly calm conditions 8, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 30.0 lbs. on the square foot on February 3. The mean daily *Horizontal Movement of the Air* for the month was 363 miles; the greatest daily value was 656 miles on February 11, and the least daily value was 97 miles on February 27.

Rain (0.005 in. or over) fell on 21 days in the month, amounting to 3.339 in., as measured by gauge No. 6 partly sunk below the ground; being 1.859 in. greater than the average fall for the 65 years, 1841-1905.

* This scale, ranging from 0 to 8, was adopted from January 1, 1949, in accordance with the new International Code.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	BAROMETER	TEMPERATURE							Difference between the Air Temperature and Dew Point Temperature			Degree of Humidity (Saturation = 100)	TEMPERATURE			Rain collected in Gauge No. 6, whose receiving surface is 5 inches above the Ground	Daily Duration of Sunshine	Sun above Horizon
		Of the Air					Of Evaporation	Of the Dew Point					Of Radiation		Of the Earth 4 ft. below the surface of the Soil			
	Mean of 24 Hourly Values (corrected and reduced to 32° Fahrenheit)	Highest	Lowest	Daily Range	Mean of 24 Hourly Values	Excess above Average of 65 Years	Mean of 24 Hourly Values	Deduced Mean Daily Value	Mean	Greatest	Least		Highest in Sun's Rays	Lowest on the Grass				
	in.	°	°	°	°	°	°	°	°	°	°		°	°	°	in.	hours	hours
Mar. 1	30.058	46.8	23.8	23.0	34.7	- 5.7	30.9	24.4	10.3	25.7	0.9	63	86.3	14.8	44.9	0.000	8.4	10.9
2	30.110	48.3	29.6	18.7	39.6	- 0.8	35.3	27.7	11.9	18.0	2.1	62	89.8	19.8	44.6	0.003	2.4	10.9
3	30.075	50.0	43.0	7.0	46.5	+ 6.0	43.7	40.2	6.3	10.9	2.2	78	74.2	38.6	44.4	0.000	0.0	11.0
4	30.255	53.0	43.3	9.7	48.8	+ 8.1	44.4	38.8	10.0	15.1	2.8	68	84.9	32.5	44.3	0.000	1.6	11.1
5	30.343	56.1	42.1	14.0	48.3	+ 7.4	45.4	41.9	6.4	11.4	2.7	78	79.0	31.8	44.2	0.000	1.1	11.1
6	30.402	59.4	40.8	18.6	48.6	+ 7.6	45.4	41.5	7.1	15.1	3.4	76	103.3	31.0	44.5	0.000	4.0	11.2
7	30.317	63.9	37.0	26.9	47.5	+ 6.5	44.4	40.5	7.0	17.2	0.0	76	97.3	27.2	44.6	0.001*	5.8	11.3
8	30.160	64.7	37.5	27.2	50.4	+ 9.3	45.4	39.2	11.2	25.4	2.4	65	106.0	27.3	44.8	0.000	8.5	11.3
9	29.956	55.3	40.7	14.6	48.3	+ 7.3	45.0	40.9	7.4	11.2	1.4	75	95.3	29.3	44.9	0.000	2.6	11.4
10	30.009	45.0	40.9	4.1	42.8	+ 1.9	39.5	34.5	8.3	10.6	6.6	72	55.4	35.3	44.9	0.000	0.0	11.5
11	29.868	51.2	40.8	10.4	45.0	+ 4.0	39.9	32.0	13.0	17.1	10.3	60	58.0	37.3	45.0	0.000	2.5	11.5
12	29.763	48.5	32.3	16.2	43.1	+ 2.0	38.0	29.5	13.6	22.5	3.6	58	93.0	24.5	45.0	0.011	5.7	11.6
13	29.803	46.9	31.1	15.8	38.8	- 2.5	34.6	27.3	11.5	21.6	3.4	62	97.3	20.8	45.0	0.000	2.1	11.7
14	29.751	49.6	36.6	13.0	42.1	+ 0.6	38.0	31.5	10.6	19.2	2.2	66	84.2	32.9	45.0	0.093	0.2	11.7
15	29.644	59.9	40.7	19.2	49.4	+ 7.7	45.4	40.5	8.9	21.8	1.8	71	108.6	28.6	45.1	0.000	2.3	11.8
16	29.482	58.8	49.0	9.8	52.6	+10.7	48.3	43.5	9.1	14.3	4.2	71	113.8	39.3	45.1	0.051	2.9	11.8
17	29.497	56.0	46.6	9.4	50.1	+ 8.1	47.1	43.6	6.5	9.9	3.4	79	92.3	40.5	45.2	0.143	0.9	11.9
18	29.514	60.9	47.3	13.6	53.0	+11.0	47.9	42.1	10.9	22.8	4.5	66	119.3	41.5	45.5	0.100	4.2	12.0
19	29.527	58.0	44.9	13.1	50.2	+ 8.3	45.7	40.3	9.9	20.0	4.7	69	110.8	40.5	45.7	0.026	5.7	12.1
20	29.604	57.2	45.6	11.6	49.8	+ 7.9	47.4	44.8	5.0	11.7	2.2	83	102.3	39.9	45.8	0.091	0.9	12.1
21	29.690	56.1	43.9	12.2	49.7	+ 7.8	47.4	44.8	4.9	9.4	2.4	83	103.3	34.9	46.0	0.141	0.9	12.2
22	29.933	60.7	39.6	21.1	48.8	+ 6.8	46.4	43.7	5.1	17.4	2.0	82	117.1	28.5	46.4	0.003	5.2	12.2
23	29.960	56.9	51.9	5.0	53.7	+11.5	52.0	50.4	3.3	5.5	1.7	88	74.2	49.6	46.5	0.080	0.0	12.3
24	30.120	60.0	43.8	16.2	52.4	+10.0	47.5	41.9	10.5	18.8	4.2	67	113.8	31.7	46.5	0.000	5.5	12.4
25	30.154	57.7	40.1	17.6	47.3	+ 4.6	43.6	38.9	8.4	17.3	3.1	72	115.5	28.0	46.9	0.000	10.0	12.5
26	30.012	51.0	42.0	9.0	45.6	+ 2.6	42.3	37.8	7.8	11.6	3.8	74	98.3	32.2	46.8	0.000	1.7	12.5
27	30.077	58.5	38.1	20.4	47.4	+ 4.1	43.3	37.9	9.5	20.2	4.6	69	115.8	27.7	47.0	0.000	7.8	12.6
28	30.106	46.9	40.0	6.9	43.5	- 0.2	40.0	34.8	8.7	17.1	5.7	71	55.9	35.7	47.0	0.000	0.0	12.6
29	29.945	50.7	39.1	11.6	43.5	- 0.6	39.3	32.7	10.8	19.5	7.2	66	113.3	33.3	47.1	0.000	2.1	12.7
30	29.977	50.0	38.0	12.0	43.4	- 1.1	39.1	32.3	11.1	18.9	4.6	65	88.7	27.4	47.0	0.000	2.0	12.8
31	29.921	51.0	40.6	10.4	47.3	+ 2.4	43.0	37.3	10.0	15.6	4.6	68	62.3	41.3	46.9	0.000	0.0	12.8
Means	29.937	54.5	40.3	14.1	46.8	+ 4.9	43.1	38.0	8.9	16.5	3.5	71.1	93.8	32.4	45.6	Sum 0.743	3.1	11.9
No. of Col. for Ref.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the civil day, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the civil 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 autographic 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 autographic 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 7 is derived from wet fog.

The mean reading of the *Barometer* for the month was 29.937 in., being 0.184 in. higher than the average for the 65 years, 1841-1905.

TEMPERATURE OF THE AIR.

The highest in the month was 64°.7 on March 8; the lowest in the month was 23°.8 on March 1; and the range was 40°.9.

The mean of all the highest daily readings in the month was 54°.5, being 5°.3 higher than the average for the 65 years, 1841-1905.

The mean of all the lowest daily readings in the month was 40°.3, being 4°.7 higher than the average for the 65 years, 1841-1905.

The mean of the daily ranges was 14°.1, being 0°59 greater than the average for the 65 years, 1841-1905.

The mean for the month was 46°.8, being 4°.9 higher than the average for the 65 years, 1841-1905.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	RECORD OF THE NIGHT SKY				WIND AS DEDUCED FROM SELF-REGISTERING ANEMOMETERS					CLOUDS AND WEATHER			
	Polaris		δ URSÆ MINORIS		OSLER'S				Robinson's				
	Duration	Fraction of Total Exposure	Duration	Fraction of Total Exposure	General Direction		Pressure on the Square Foot		Horizontal Movement of the Air				
					A.M.	P.M.	Greatest	Mean of 24 Hourly Measures		0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h
	hours		hours				lbs.	lbs.	miles				
Mar. 1	8.6	0.78	8.3	0.75	Calm: SW	SW: SSW	0.4	0.01	123	b m f x	b f b y	b *Frcu* y	b
2	0.3	0.03	0.2	0.02	S: SSW	SSW	4.3	0.44	306	b *lu-ha* x c	c bc *Ci* c *St* y	c *St* y c r_o	c
3	0.0	0.00	0.0	0.00	SSW: SW	SW: WSW	5.5	0.54	321	c	c *Stcu*	c *St* 1 d_o	c
4	0.3	0.02	0.2	0.02	NNW: NW	WNW: WSW	1.1	0.06	176	c	c b m_o c *Acu*	c *Ast*	c
5	0.8	0.08	0.4	0.04	W: Calm	NW: Calm	0.3	0.02	105	c b w m_o	b bc *Ci* m	bc *Ci* m	bc c m
6	8.0	0.76	8.0	0.76	Calm	Calm: E	0.7	0.02	88	c m	c m c *Stcu Frcu*	c *Stcu* b	b
7	10.5	1.00	10.5	1.00	Calm	Calm: SW	0.1	0.00	66	b Fe Fe	Fe Fe b f	b z y b	b m
8	5.4	0.51	4.6	0.44	SW: WSW	WSW: NNW	1.3	0.05	175	b m x	b m z y	b z y	b c
9	5.7	0.54	5.0	0.48	NW: Calm: WSW	W: NW	3.7	0.10	190	c b	b c f c *Cicu Ci*	c bc c *Ci Acu*	c b
10	0.0	0.00	0.0	0.00	NW: N: NNE	N: Calm	4.6	0.36	236	b c	c *Stcu*	c *Stcu*	c
11	1.4	0.14	1.1	0.11	WSW: W	W: WNW	6.5	0.65	343	c	c m_o c *Stcu*	c *Stcu* bc *Acu* y	bc c
12	8.6	0.88	6.7	0.68	W: NNW	NNW: Calm	3.0	0.11	162	c 1 r_o	c b *Frcu* y	bc *Frcu* b y	b m
13	0.0	0.00	0.0	0.00	Calm: SW: NW	NW: Calm	2.1	0.09	153	b x m	b m f bc *Cu* y	bc *Cu Frcu* c y	c
14	2.8	0.29	2.7	0.28	Calm: SSW	SSW: SSE	2.6	0.09	147	c m	c m c *Ci Acu* y	c *Acu* y	c rr c
15	5.1	0.53	4.9	0.50	S: SSW	SSE: SE	6.9	0.27	238	c b c	c *Ast Cist so-ha*	c *Cist so-ha* y b	b c
16	0.0	0.00	0.0	0.00	SSE: S: SSW	SW: SSW	16.2	1.78	502	c r_o r	c *Frcu Ci*	c *Ci Cunb* p c	c r_o r
17	7.2	0.74	6.5	0.67	SSW	SSW: SW	15.2	1.95	533	r_o r c	c *Nbst Cunb*	c *Cunb Nbst* P t l c	c b c
18	0.3	0.03	0.2	0.02	SSW: S	S: SSE	19.0	2.48	554	c b	bc *Cist Ast Ci* y	c *Ast Cunb* y p c r	c 1 r
19	5.7	0.60	2.1	0.22	S: SW	SW: SSW	14.0	1.50	477	c r c	c bc c *Frcu Acu*	c p_o bc *Cu Frcu* y b	b c
20	1.7	0.18	1.4	0.15	S	S	4.9	0.44	296	c rr	rr c *Nbst* $1d_o$	c *Cu*	c b c
21	8.4	0.88	4.2	0.44	Calm	Calm	3.5	0.01	76	c 1 r c	c *Cu* Stcu z_o	c *Cunb* R c	c m
22	0.0	0.00	0.0	0.00	Calm: S	S	2.9	0.20	198	c b m w	b f m w b *Frcu*	b *Frcu* c *Cist*	c 1 d
23	1.5	0.16	1.2	0.13	SSW	SSW: SW	4.5	0.34	283	c 1 d	c *Nbst* 1 r r_o	c *Nbst* 1 r r_o	c 1 r_o
24	9.3	0.98	9.3	0.98	WSW: W	NW: W: Calm	5.2	0.30	248	c b	b bc c *Cist so-ha*	c *Ci Stcu* y b	b
25	3.8	0.42	2.2	0.25	Calm: E	ENE: E	3.2	0.20	196	b m w	b *Cu* y	b *Cu* y c	c
26	9.0	1.00	9.0	1.00	E	ENE	4.0	0.27	253	c	c *Stcu*	c bc *Stcu* b	b
27	1.7	0.19	1.7	0.19	NNE: NE	ENE: NE	4.8	0.44	272	b m w	c m b *Frcu*	b y	b c
28	2.7	0.30	1.5	0.17	NE: NNE	NNE: ENE	3.0	0.27	269	c	c *Stcu*	c *Stcu* y bc	bc c
29	7.2	0.80	6.7	0.75	NNE	N: NNW	4.9	0.31	265	c	c bc c *Cu Stcu*	c *Cu Stcu* y	b c
30	2.3	0.26	2.2	0.25	NNW	N: NNE: Calm	3.4	0.32	260	c b	b c *Stcu*	c *Stcu* y b	b x c
31	1.0	0.11	0.8	0.09	WSW: WNW	W: WSW	2.5	0.15	232	c m_o	c *Stcu* m_o	c *Stcu* y	c
Means	3.8	0.39	3.3	0.34	..	..	..	0.44	250				
No. of Col. for Ref.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 43°.1, being 3°.7 higher than
The mean *Temperature of the Dew Point* for the month was 38°.0, being 2°.4 higher than
The mean *Degree of Humidity* for the month was 71.1, being 7.0 less than
The mean *Elastic Force of Vapour* for the month was 0.229 in., being 0.020 in. 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 8)* was 5.1.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0.264. The maximum daily amount of *Sunshine* was 10.0 hours on March 25.

The highest reading of the *Solar Radiation Thermometer* was 119°.3 on March 18; and the lowest reading of the *Terrestrial Radiation Thermometer* was 14°.8 on March 1.

The *Proportions of Wind* referred to the cardinal points were N. 16, E. 10, S. 29, W. 23, calm or nearly calm conditions 22, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 19.0 lbs. on the square foot on March 18. The mean daily *Horizontal Movement of the Air* for the month was 250 miles; the greatest daily value was 554 miles on March 18 and the least daily value was 66 miles on March 7.

Rain (0.005 in. or over) fell on 9 days in the month, amounting to 0.743 in., as measured by gauge No. 6 partly sunk below the ground; being 0.777 in. less than the average fall for the 65 years, 1841-1905.

* This scale, ranging from 0 to 8, was adopted from January 1, 1949, in accordance with the new International Code.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	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
Apr. 1	29.640	58.0	46.8	11.2	52.3	+ 7.0	47.6	42.3	10.0	16.2	5.1	69	97.9	40.4	47.0	0.000	1.0	12.9
2	29.098	52.9	44.2	8.7	48.2	+ 2.5	42.9	35.5	12.7	19.2	6.7	61	102.2	38.4	47.0	0.177	5.7	13.0
3	29.406	51.0	42.5	8.5	46.1	+ 0.1	40.9	33.0	13.1	19.9	8.9	60	105.7	32.0	47.0	0.025	1.5	13.0
4	29.548	51.0	35.2	15.8	44.4	- 1.8	40.9	35.8	8.6	13.4	4.2	72	102.3	25.6	47.0	0.010	0.5	13.1
5	29.687	53.0	38.2	14.8	46.7	+ 0.4	41.3	33.4	13.3	22.5	4.6	59	89.1	29.3	47.0	0.000	2.2	13.2
6	29.833	63.5	39.7	23.8	50.6	+ 4.3	45.4	38.8	11.8	22.4	2.5	64	129.3	26.9	47.1	0.000	8.4	13.2
7	29.844	64.0	41.0	23.0	52.3	+ 6.0	45.4	36.4	15.9	27.2	3.3	55	120.3	30.3	47.3	0.000	9.1	13.3
8	29.590	62.0	46.2	15.8	53.5	+ 7.4	48.2	42.2	11.3	21.7	4.2	65	120.0	32.8	47.2	0.043	3.3	13.4
9	29.518	54.7	43.5	11.2	48.0	+ 2.0	42.1	33.4	14.6	26.4	5.8	57	110.6	36.9	47.3	0.029	5.5	13.4
10	29.438	52.3	40.7	11.6	45.4	- 0.5	41.2	35.0	10.4	20.1	2.6	67	58.1	33.2	47.4	0.124	0.1	13.5
11	29.386	53.1	38.0	15.1	45.4	- 0.4	40.2	32.2	13.2	21.8	7.0	59	96.6	29.8	47.4	0.007	4.2	13.5
12	29.334	53.0	37.5	15.5	43.9	- 2.0	39.7	33.2	10.7	23.1	3.5	66	110.9	27.0	47.4	0.006	6.4	13.6
13	29.400	53.8	36.3	17.5	42.1	- 4.0	38.8	33.7	8.4	21.1	3.4	72	112.3	25.6	47.4	0.000	1.6	13.7
14	29.551	49.5	36.0	13.5	41.9	- 4.5	39.1	34.7	7.2	14.6	2.6	76	77.3	25.0	47.2	0.170	0.0	13.7
15	29.787	51.4	38.2	13.2	43.7	- 3.1	41.2	37.7	6.0	13.5	2.6	79	109.6	29.8	47.0	0.154	1.1	13.8
16	29.848	52.0	33.7	18.3	43.6	- 3.6	40.3	35.5	8.1	14.4	2.1	73	83.3	23.4	47.0	0.000	2.1	13.9
17	29.561	54.7	40.1	14.6	46.1	- 1.5	43.2	39.5	6.6	18.0	2.9	78	101.8	29.8	47.0	0.018	2.1	14.0
18	29.232	46.3	43.2	3.1	44.5	- 3.5	43.3	41.9	2.6	3.6	1.3	90	52.0	41.8	47.0	0.210	0.0	14.0
19	29.595	57.4	45.8	11.6	50.2	+ 1.9	46.2	41.5	8.7	20.6	3.5	72	130.5	37.9	47.0	0.000	0.2	14.1
20	29.844	64.7	41.2	23.5	51.2	+ 2.7	46.9	41.9	9.3	17.8	2.9	70	116.3	33.3	47.2	0.000	9.7	14.1
21	29.906	66.0	40.0	26.0	53.1	+ 4.4	47.6	41.1	12.0	26.4	2.7	64	115.7	29.3	47.3	0.000	2.6	14.2
22	29.989	61.0	45.2	15.8	52.4	+ 3.7	46.0	37.9	14.5	26.1	3.7	57	112.0	35.4	47.5	0.000	7.7	14.3
23	29.766	57.0	45.0	12.0	50.3	+ 1.7	45.3	39.1	11.2	20.2	2.8	65	111.3	38.8	47.6	0.039	4.0	14.3
24	29.391	46.9	34.8	12.1	40.7	- 7.9	37.6	32.5	8.2	19.5	4.9	72	100.1	28.8	47.8	0.212	2.2	14.4
25	29.395	45.1	33.2	11.9	38.2	-10.4	33.7	25.7	12.5	28.2	3.0	58	122.3	27.2	47.8	0.100	4.7	14.4
26	29.253	48.5	33.1	15.4	39.7	- 8.9	37.3	33.5	6.2	17.2	2.1	78	109.8	31.8	47.8	0.850	3.0	14.5
27	29.706	53.5	37.7	15.8	45.1	- 3.6	40.7	34.2	10.9	23.2	3.3	66	116.8	33.2	47.7	0.082	6.8	14.6
28	29.761	56.6	44.2	12.4	49.9	+ 1.1	45.2	39.4	10.5	22.0	3.9	67	119.7	39.1	47.8	0.000	4.5	14.6
29	29.912	56.3	47.3	9.0	50.9	+ 1.9	48.3	45.5	5.4	11.5	2.6	81	106.0	42.3	47.6	0.255	0.2	14.7
30	29.950	65.9	45.6	20.3	54.4	+ 5.3	49.4	44.0	10.4	24.7	3.2	68	123.3	35.8	47.8	0.000	9.1	14.7
Means	29.606	55.2	40.5	14.7	47.2	- 0.1	42.9	37.0	10.1	19.9	3.7	68.0	105.4	32.4	47.3	Sum 2.511	3.7	13.8
No. of Col. for Ref.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the civil day, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the civil 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 autographic 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 autographic 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 29.606 in., being 0.149 in. lower than the average for the 65 years, 1841-1905.

TEMPERATURE OF THE AIR.

The highest in the month was 66°.0 on April 21; the lowest in the month was 33°.1 on April 26; and the range was 32°.9.

The mean of all the highest daily readings in the month was 55°.2, being 0°.9 lower than the average for the 65 years, 1841-1905.

The mean of all the lowest daily readings in the month was 40°.5, being 1°.0 higher than the average for the 65 years, 1841-1905.

The mean of the daily ranges was 14°.7, being 1°.9 less than the average for the 65 years, 1841-1905.

The mean for the month was 47°.2, being 0°.1 lower than the average for the 65 years, 1841-1905.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1960	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 0^h to 6^h	CLOUDS AND WEATHER 6^h to 12^h	CLOUDS AND WEATHER 12^h to 18^h	CLOUDS AND WEATHER 18^h to 24^h
	hours		hours				lbs.	lbs.	miles				
Apr. 1	0.0	0.00	0.0	0.00	WSW	WSW: SW	13.2	0.88	424	c	c *Stcu*	c bc *Stcu* c y	c
2	0.0	0.00	0.0	0.00	WSW	WNW: NW	21.0	2.09	552	c r b	b c *Stcu* c p_o	c *Cunb* p t l h c	c
3	6.8	0.80	6.4	0.75	NW: NNW	NNW: NW	7.7	0.88	368	c r_o c	c p c *Stcu* y	c *Cu Cunb* y	c b c
4	8.2	0.95	7.1	0.83	WSW: SW	SW: WNW	3.2	0.16	243	c b x c	c *Stcu Cunb*	c *Cunb* p_o c	p c b c
5	2.1	0.25	2.0	0.23	WSW: W	W: WSW: SW	3.3	0.24	260	c b	bc *Cist* c y	c *Stcu* y	c
6	8.5	1.00	8.2	0.96	Calm	SSW: S	0.6	0.03	120	c b x	b *Cu* y	b bc *Cu Stcu* y	b
7	7.5	0.88	7.3	0.86	Calm: SSE	S: SW	5.5	0.24	213	b	b bc *Ci* y	bc *Ci* y	b
8	0.6	0.07	0.3	0.04	SSW: SW	SW	21.0	2.48	545	b c	c *Ci Ast* y	bc c *Ci Cu* y	c r c
9	6.5	0.82	6.2	0.77	SW: WSW	W: WSW	21.0	3.13	665	c r c b	b bc c *Frcu* y	c *Frcu* p h b y	b c p_o b
10	8.0	1.00	8.0	1.00	WSW: SW	SW: WNW: WSW	21.0	2.76	579	b c	c *Nbst* 1 r_o	c *Nbst* P b	b
11	6.1	0.77	5.3	0.67	WSW	W: WSW	6.8	1.06	408	b	b bc c *Stcu* y	c *Cu Acu* y	c p b
12	6.9	0.86	6.8	0.85	WSW: W	W: NW: SW	4.7	0.25	240	b	b bc *Cu* y	bc c *Cu Cunb* p y	b
13	7.3	0.92	7.2	0.90	SW: Calm: W	WSW: SW	2.3	0.08	159	b x c m_o	c *St*	c *Cu Cunb* y	b m
14	5.3	0.66	3.3	0.41	SW: Calm	Var: NE	4.0	0.02	121	b x c m	c m c *Cu* z	c *Cunb* R t l	r c b
15	5.2	0.69	5.1	0.68	NE	NNE: Calm	3.8	0.12	180	b c	c *Nbst* r_o	c *Nbst Cunb*	rr c b
16	5.6	0.75	4.9	0.66	Calm	Calm: SSW	2.9	0.02	60	b x	b c bc *Stcu* z_o	bc c *Stcu* z_o	c b
17	0.0	0.00	0.0	0.00	SSW	S: SSE	6.7	0.70	327	b c b	b *Cu* c *St* y	c *St* id_o	d_o rr_o c
18	0.0	0.00	0.0	0.00	SE: Calm: NNW	NNW: NNE	2.4	0.13	193	rr_o	rr m	rr c *Nbst* m_o	c
19	4.3	0.58	4.1	0.55	N	NNE	10.5	1.13	395	c r_o c	c *Stcu* y	c *Stcu Nbst* 1 r_o	c b c
20	7.4	0.99	7.4	0.99	N: NNE	NNE: E: Calm	1.3	0.11	170	c b w	b c *Stcu* bc b	b *Cu* y	b
21	..	..	..	..	Calm	N	3.7	0.06	127	b w bc m	bc *Acu Stcu* y	bc *Stcu* y	c b
22	0.5	0.08	0.2	0.03	NNW: N	NNW: NW: Calm	2.8	0.20	212	b c	c bc *Cu Frcu* y	bc *Cu Acu* y	bc c
23	0.2	0.02	0.0	0.00	Calm: NNW	NW: W	3.0	0.20	218	c r_o c m_o	c *Nbst* 1 r_o	bc *Cunb* y	c r_o
24	5.7	0.81	5.1	0.73	WSW: NW	NNW: NW	20.0	1.28	403	c 1 r	c *Cunb* q h s	bc *Cunb* c q s rs	c b
25	0.0	0.00	0.0	0.00	W: NW	W: Calm: ESE	9.0	0.57	292	b c	ss bc *Cu Acu* y	c b *Cu* c y	c s_o c r_o
26	0.7	0.10	0.5	0.08	ENE: NNW: NW	NW: SW: W	6.0	0.58	311	r ss	c bc *Frcu* c *Nbst* r	c *Cunb* t r c r	c 1 r
27	1.1	0.16	0.9	0.12	NNW: NW	WNW: WSW	5.6	0.56	317	c 1 r b	b bc *Cunb* y	bc *Cunb* y c r	c
28	0.0	0.00	0.0	0.00	WSW: W	W: WSW	8.5	0.93	400	c b c r_o	c *Stcu Nbst*	bc *Cu Ci* c y	c
29	3.0	0.46	2.1	0.32	NW: Calm	SW	3.6	0.21	199	c	c *Nbst* rr	c *Nbst* 1 r r_o c	c b c
30	6.5	1.00	6.3	0.96	SW: SSW	SSW	3.0	0.26	259	c	c bc *Cu Acu*	b *Acu Ci* y	b
Means	3.9	0.50	3.6	0.46	..	..	..	0.71	299				
No. of Col. for Ref.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 42°.9, being 1°.0 lower than
The mean *Temperature of the Dew Point* for the month was 37°.0, being 2°.6 lower than
The mean *Degree of Humidity* for the month was 68.0, being 6.5 less than
The mean *Elastic Force of Vapour* for the month was 0.220 in., being 0.024 in. 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 8)* was 5.6.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0.264. The maximum daily amount of *Sunshine* was 9.7 hours on April 20.

The highest reading of the *Solar Radiation Thermometer* was 130°.5 on April 19; and the lowest reading of the *Terrestrial Radiation Thermometer* was 23°.4 on April 16.

The *Proportions of Wind* referred to the cardinal points were N. 21, E. 5, S. 20, W. 38, calm or nearly calm conditions 16, 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 April 2, 8, 9 and 10. The mean daily *Horizontal Movement of the Air* for the month was 299 miles; the greatest daily value was 665 miles on April 9 and the least daily value was 60 miles on April 16.

Rain (0.005 in. or over) fell on 18 days in the month, amounting to 2.511 in., as measured by gauge No. 6 partly sunk below the ground; being 0.945 in. greater than the average fall for the 65 years, 1841-1905.

* This scale, ranging from 0 to 8, was adopted from January 1, 1949, in accordance with the new International Code.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	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	29.864	70.5	41.5	29.0	55.3	+ 6.0	49.9	44.1	11.2	21.9	2.8	66	130.3	31.7	48.0	0.000	-	-
2	29.844	60.8	46.1	14.7	52.1	+ 2.6	48.1	43.6	8.5	14.2	3.1	73	115.4	36.3	48.3	0.121	-	-
3	29.936	59.4	45.1	14.3	51.0	+ 1.2	46.8	41.9	9.1	18.3	4.6	71	114.6	37.8	48.6	0.012	-	-
4	30.036	52.2	42.7	9.5	47.9	- 2.1	45.3	42.2	5.7	9.8	2.2	80	93.3	33.7	48.8	0.050	-	-
5	30.025	53.9	38.8	15.1	46.9	- 3.4	44.1	40.6	6.3	11.7	3.2	78	91.7	27.8	48.9	0.040	-	-
6	29.875	52.7	45.0	7.7	48.5	- 2.0	46.7	44.7	3.8	5.8	0.0	86	85.9	38.9	48.9	0.405	-	-
7	29.950	62.9	46.0	16.9	52.5	+ 1.8	49.4	46.1	6.4	14.3	1.2	79	124.1	37.4	49.0	0.106	-	-
8	29.890	53.4	47.6	5.8	50.5	- 0.5	49.3	48.1	2.4	4.2	0.0	91	59.7	41.3	49.0	0.081	-	-
9	29.942	65.1	48.9	16.2	55.4	+ 4.2	52.4	49.6	5.8	14.3	1.4	81	123.6	45.0	49.2	0.000	-	-
10	30.031	70.2	50.4	19.8	58.3	+ 6.8	52.9	47.7	10.6	23.6	2.4	68	125.9	43.4	49.4	0.000	-	-
11	30.059	68.6	49.2	19.4	59.5	+ 7.7	52.1	44.5	15.0	23.4	5.8	57	130.5	39.8	49.7	0.000	-	-
12	30.041	71.7	50.8	20.9	61.0	+ 8.9	52.7	44.3	16.7	28.4	7.8	54	129.9	42.6	49.9	0.000	-	-
13	29.980	70.9	44.7	26.2	57.4	+ 5.0	51.4	45.3	12.1	18.9	6.7	64	127.3	40.6	50.3	0.000	-	-
14	29.956	62.2	43.1	19.1	51.4	- 1.2	46.8	41.4	10.0	15.6	4.3	69	124.5	40.8	50.6	0.000	-	-
15	29.981	54.6	45.8	8.8	49.4	- 3.4	43.1	34.2	15.2	17.8	9.8	56	104.2	41.9	50.8	0.000	-	-
16	29.869	51.0	44.0	7.0	47.6	- 5.4	42.5	35.3	12.3	18.9	9.2	62	76.7	40.0	51.0	0.000	-	-
17	29.639	55.0	41.7	13.3	47.6	- 5.5	42.9	36.4	11.2	16.6	7.0	65	103.9	34.0	51.0	0.000	-	-
18	29.489	56.3	41.1	15.2	48.7	- 4.6	44.8	39.9	8.8	15.7	3.9	71	110.3	32.8	51.1	0.000	-	-
19	29.580	62.2	43.2	19.0	53.0	- 0.5	48.8	44.3	8.7	18.2	3.1	72	107.9	31.4	51.2	0.120	-	-
20	29.516	64.4	48.8	15.6	56.4	+ 2.6	54.0	51.9	4.5	10.6	1.4	85	95.4	40.4	51.3	0.109	-	-
21	29.583	73.9	47.2	26.7	59.7	+ 5.5	56.6	54.1	5.6	12.5	0.0	81	125.2	37.8	51.2	0.078	-	-
22	29.790	69.5	50.5	19.0	60.1	+ 5.5	53.1	46.2	13.9	26.9	3.7	60	131.7	40.2	51.5	0.000	-	-
23	29.850	69.5	46.3	23.2	58.3	+ 3.4	51.4	44.2	14.1	24.7	3.1	60	133.1	36.0	51.7	0.000	-	-
24	29.908	53.2	48.4	4.8	50.8	- 4.5	47.8	44.5	6.3	7.7	3.8	79	69.1	46.8	51.7	0.000	-	-
25	29.785	52.0	47.0	5.0	49.1	- 6.4	47.6	45.9	3.2	7.0	0.0	89	57.0	45.4	51.9	0.259	-	-
26	29.747	56.2	49.0	7.2	51.4	- 4.4	49.6	47.8	3.6	5.9	2.2	87	63.3	47.0	52.0	0.003	-	-
27	29.657	61.6	48.0	13.6	53.2	- 2.8	49.4	45.4	7.8	15.4	2.2	75	117.1	42.0	52.1	0.022	-	-
28	29.814	64.6	47.8	16.8	55.7	- 0.5	48.8	40.9	14.8	24.0	4.5	57	119.0	41.3	52.0	0.000	-	-
29	30.055	66.0	48.1	17.9	57.1	+ 0.7	51.9	46.7	10.4	15.7	3.8	69	121.9	40.3	52.1	0.000	-	-
30	30.054	75.3	50.6	24.7	62.7	+ 6.0	56.2	50.5	12.2	23.8	2.6	65	132.3	42.8	52.3	0.000	-	-
31	30.056	69.3	52.6	16.7	59.8	+ 2.7	55.6	52.0	7.8	15.8	4.1	75	134.3	44.6	52.5	0.000	-	-
Means	29.865	62.2	46.5	15.8	53.8	+ 0.8	49.4	44.7	9.2	16.2	3.5	71.8	109.0	39.4	50.5	Sum 1.406	-	-
No. of Col. for Ref.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

The results apply to the civil day, except Columns 19 to 22 (Record of the Night Sky), which relate to the period extending from dusk on the civil 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 autographic 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 autographic 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 29.865 in., being 0.064 in. higher than the average for the 65 years, 1841-1905.

TEMPERATURE OF THE AIR.

The highest in the month was 75°.3 on May 30; the lowest in the month was 38°.8 on May 5; and the range was 36°.5.

The mean of all the highest daily readings in the month was 62°.2, being equal to the average for the 65 years, 1841-1905.

The mean of all the lowest daily readings in the month was 46°.5, being 2°.3 higher than the average for the 65 years, 1841-1905.

The mean of the daily ranges was 15°.8, being 2°.2 less than the average for the 65 years, 1841-1905.

The mean for the month was 53°.8, being 0°.8 higher than the average for the 65 years, 1841-1905.

TABLE XVII. - DAILY RESULTS OF THE GREENWICH METEOROLOGICAL OBSERVATIONS

Month and Day 1950	RECORD OF THE NIGHT SKY				WIND AS DEDUCED FROM SELF-REGISTERING ANEMOMETERS					CLOUDS AND WEATHER			
	Polaris		δ URSÆ MINORIS		OSLER'S				Robinson's				
	Duration	Fraction of Total Exposure	Duration	Fraction of Total Exposure	General Direction		Pressure on the Square Foot		Horizontal Movement of the Air	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h
					A.M.	P.M.	Greatest	Mean of 24 Hourly Measures					
	hours		hours				lbs.	lbs.	miles				
May 1	6.5	0.99	6.5	0.99	SSW: Calm	SSW: SW	5.2	0.36	247	b	bc *Cu Cist so-ha* y	bc *Cicu Acu Cu* y	b
2	3.1	0.47	2.7	0.41	SSW: SW	SW: WSW	7.0	0.42	291	b c	c t p bc *Cu Nbst*	c *Nbst* p bc	c b
3	1.4	0.22	0.9	0.15	WSW: NW	NW: NNE: Calm	3.8	0.13	192	b c	c *Stcu*	c *Nbst* r	r_o c
4	6.0	0.93	5.9	0.92	Calm	NNE	1.0	0.03	123	c	c G r c *Nbst*	c *Nbst*	c b
5	0.0	0.00	0.0	0.00	Calm: NNW	N: NNW	2.3	0.11	174	b c	c *St*	c r c *St*	c
6	1.1	0.18	1.0	0.17	NW: W	NW: Calm	3.2	0.18	216	c rr m	rr r_o m	d_o c *Nbst*	c b c
7	1.3	0.22	0.0	0.00	Calm	Calm: ENE	1.1	0.02	73	c w m f	c *Cu* m	c *Cumb* r c m f	c
8	0.0	0.00	0.0	0.00	NNE: NNW	Calm: NNE	0.7	0.03	126	c rr	rr r_o c *Nbst* id_o m	c *Nbst* id_o m	dd
9	0.3	0.04	0.1	0.02	Calm: ENE	ENE	1.6	0.11	165	c m	c *Stcu* b *Frcu* z_o	b *Frcu* z_o	b c m
10	6.0	1.00	6.0	1.00	NNE	NE: ENE	10.0	0.80	336	c w m	c *St* m b *Cu* z_o	b y	b
11	6.0	1.00	6.0	1.00	NE: ENE	ENE	6.8	0.71	334	b w	b y	b y	b y
12	6.0	1.00	6.0	1.00	ENE	ENE	9.2	1.05	352	b w	b *Frcu* y	b y	b y
13	4.7	0.85	4.5	0.81	NE	NE: ENE	2.8	0.22	243	b	b y	b y	b
14	0.0	0.00	0.0	0.00	NE: NNE	NNE: NE	5.1	0.57	329	b c	c bc b *Frcu*	b bc c *Acu Frcu*	c
15	0.0	0.00	0.0	0.00	NE	NE	4.4	0.59	348	c	c *Stcu* y	c *Acu Stcu* y	c
16	1.6	0.29	1.5	0.27	NNE: NE	ENE	2.5	0.20	243	c	c *Stcu*	c *Stcu*	c
17	4.7	0.85	4.3	0.78	NE: NNE	E: ENE	2.6	0.16	218	c b c	c *Stcu*	c *Stcu* b	b
18	0.9	0.17	0.9	0.17	NNE	NE: Calm	0.8	0.02	145	b c	c bc *Acu Stcu* y	bc c *St Stcu*	c
19	0.0	0.00	0.0	0.00	Calm: S	S: Calm	2.0	0.10	154	c	c *Cu Stcu*	c *Cu Cumb Ci*	c rr
20	5.0	1.00	5.0	1.00	ENE: Calm: S	SSW: Calm	4.5	0.30	214	rr c	c *Nbst*	c *Stcu* bc	bc b
21	2.5	0.50	2.3	0.47	Calm: ENE	ENE: ESE: Calm	2.3	0.11	156	b c	c *Nbst* t 1 r c m	c b c *Acu Cumb*	c l c b
22	4.9	0.98	4.9	0.98	SW: WSW	SW: Calm	3.5	0.30	220	b c	c b *Ci Cu* y	bc *Cu Acu* b y	b
23	1.5	0.29	1.4	0.28	Calm: ENE	ENE	2.5	0.25	203	b w bc	bc *Ci Cu* y	bc *Ci Cicu* y	bc c
24	0.0	0.00	0.0	0.00	NNE: NE	NE	5.7	0.34	294	c	c r_o c *Nbst*	c *Nbst*	c
25	0.0	0.00	0.0	0.00	NE	NE: Calm	5.9	0.51	261	c	c *Nbst* rr	rr d c *Nbst* m	c m_o
26	0.0	0.00	0.0	0.00	Calm: NNW	N: NNE: Calm	1.0	0.04	121	c m_o	c *Nbst* m_o	c *Nbst* 1 d_o	c
27	1.1	0.23	1.0	0.22	Calm: SW	SW	9.4	0.84	310	r c w m	c b c *Stcu* y	c *Cumb* r_o c	c 1 r c
28	4.7	1.00	4.7	1.00	WSW: W: WNW	W: SW	5.7	0.65	318	c b	b c *Stcu* y	c b *Frcu* y	b
29	4.7	1.00	4.7	1.00	SW	SW	3.9	0.35	296	b	b c *Stcu*	c *Stcu* bc	b
30	4.7	1.00	4.7	1.00	SW	WSW: NW: NNE	2.3	0.14	215	b c	c b *Ci Acu*	b *Ci* y	b
31	4.3	0.90	3.5	0.73	NE: ENE	ENE	3.0	0.15	208	b c b	b *Ci* y	bc *Cist so-ha*	bc *so-ha prhn* c
Means	2.7	0.49	2.5	0.46	..	..	..	0.32	230				
No. of Col. for Ref.	19	20	21	22	23	24	25	26	27	28	29	30	31

The mean *Temperature of Evaporation* for the month was 49°.4, being 0°.4 higher than
The mean *Temperature of the Dew Point* for the month was 44°.7, being 0°.1 lower than
The mean *Degree of Humidity* for the month was 71.8, being 2.1 less than
The mean *Elastic Force of Vapour* for the month was 0.297 in., being 0.001 in. 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 8)* was 5.1.

The mean proportion of *Sunshine* for the month (constant sunshine being represented by 1) was 0.313. The maximum daily amount of *Sunshine* was 13.5 hours on May 13.

The highest reading of the *Solar Radiation Thermometer* was 134°.3 on May 31; and the lowest reading of the *Terrestrial Radiation Thermometer* was 27°.8 on May 5.

The *Proportions of Wind* referred to the cardinal points were N. 25, E. 28, S. 13, W. 15, calm or nearly calm conditions 19, the whole month being represented by 100.

The *Greatest Pressure of the Wind* in the month was 10.0 lbs. on the square foot on May 10. The mean daily *Horizontal Movement of the Air* for the month was 230 miles; the greatest daily value was 352 miles on May 12 and the least daily value was 73 miles on May 7.

Rain (0.005 in. or over) fell on 12 days in the month, amounting to 1.406 in., as measured by gauge No. 6 partly sunk below the ground; being 0.509 in. less than the average fall for the 65 years, 1841-1905.

* This scale, ranging from 0 to 8, was adopted from January 1, 1949, in accordance with the new International Code.

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
June 1	30.039	69.1	50.7	18.4	62.6	55.7	62	138.0	42.9	0.017	8.8	16.3	1.4	0.29	1.3	0.27
2	29.980	74.2	54.7	19.5	57.8	55.8	88	136.5	48.2	0.030	1.5	16.3	2.8	0.60	2.8	0.60
3	30.025	82.9	55.7	27.2	71.4	64.5	67	143.3	44.3	0.000	13.4	16.4	4.5	1.00	4.5	1.00
4	30.054	85.0	56.3	28.7	75.5	65.5	57	146.3	43.4	0.000	9.8	16.4	4.5	1.00	4.5	1.00
5	30.116	85.3	56.3	29.0	76.6	64.7	50	139.9	46.0	0.000	11.0	16.4	4.5	1.00	4.5	1.00
6	30.035	84.4	58.7	25.7	75.7	66.7	61	139.8	46.5	0.000	13.1	16.4	3.1	0.68	2.8	0.61
7	29.959	89.3	59.8	29.5	80.4	70.7	60	147.3	47.8	0.000	9.5	16.5	4.5	1.00	4.5	1.00
8	29.865	79.4	58.7	20.7	67.6	61.3	68	141.1	50.5	0.000	6.9	16.5	1.7	0.37	1.3	0.29
9	29.889	71.8	54.2	17.6	61.8	52.7	50	127.2	45.0	0.000	12.0	16.5	4.5	1.00	4.5	1.00
10	29.971	79.9	50.1	29.8	67.6	58.4	55	133.0	37.7	0.000	13.6	16.5	4.5	1.00	4.5	1.00
11	30.055	76.0	55.0	21.0	72.0	60.7	49	137.5	41.3	0.000	12.9	16.6	4.5	1.00	4.5	1.00
12	29.979	73.0	54.3	18.7	68.0	58.5	53	133.1	48.5	0.135	12.4	16.6	4.2	0.93	4.0	0.89
13	29.799	74.9	54.2	20.7	65.6	61.9	80	127.4	44.0	0.149	8.1	16.6	2.5	0.55	2.2	0.49
14	29.556	60.6	57.6	3.0	58.4	57.6	95	105.9	51.8	0.448	0.0	16.6	0.0	0.00	0.0	0.00
15	29.648	66.5	48.3	18.2	57.4	50.9	61	136.3	42.8	0.008	10.3	16.6	4.2	0.93	4.1	0.90
16	29.666	69.0	46.4	22.6	60.8	53.1	57	133.9	33.7	0.000	8.0	16.6	4.5	1.00	4.5	1.00
17	29.696	68.8	49.4	19.4	61.5	56.9	74	126.5	38.1	0.000	2.7	16.6	0.8	0.17	0.4	0.08
18	29.766	69.4	54.0	15.4	60.6	54.9	68	127.3	48.5	0.000	3.5	16.6	1.0	0.23	1.0	0.22
19	29.841	77.1	54.3	22.8	64.2	58.1	68	136.7	45.9	0.000	5.0	16.6	3.8	0.85	3.5	0.77
20	29.684	77.1	54.6	22.5	70.2	62.9	65	132.1	42.6	0.128	9.1	16.6	0.7	0.15	0.4	0.09
21	29.319	66.8	55.8	11.0	60.5	58.2	87	121.3	50.9	0.159	2.0	16.6	4.0	0.89	3.8	0.85
22	29.602	67.1	49.4	17.7	59.0	51.9	59	130.0	43.8	0.428	9.9	16.6	0.4	0.09	0.3	0.06
23	29.589	67.4	53.6	13.8	54.1	53.5	96	119.3	49.7	0.056	6.5	16.6	4.5	1.00	4.5	1.00
24	29.877	70.8	48.3	22.5	65.2	57.7	61	129.0	36.9	0.058	4.6	16.6	0.0	0.00	0.0	0.00
25	29.859	73.5	56.6	16.9	62.8	59.3	81	134.5	53.3	0.000	4.5	16.6	4.0	0.89	3.8	0.85
26	30.004	77.9	55.7	22.2	65.2	59.5	70	139.3	48.1	0.000	5.1	16.6	0.0	0.00	0.0	0.00
27	29.984	76.0	63.6	12.4	71.2	64.9	70	130.2	60.8	0.000	3.9	16.6	0.9	0.20	0.8	0.17
28	29.941	78.2	62.4	15.8	70.2	63.9	64	131.3	57.5	0.000	8.2	16.6	4.5	1.00	4.5	1.00
29	29.803	83.1	56.2	26.9	69.4	62.7	67	141.3	47.7	0.000	15.1	16.6	3.7	0.83	3.6	0.81
30	29.783	75.5	59.0	16.5	65.3	60.1	73	141.7	52.2	0.000	8.4	16.6	4.5	1.00	4.5	1.00
Means	29.846	75.0	54.8	20.2	66.0	59.4	67.2	133.6	46.3	Sum 1.616	8.0	16.5	3.0	0.65	2.9	0.63

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
June 1	c	c bc *Ci Cicu so-ha*	bc *Ci Cicu* c *Acu*	c	-	-	-	-	-	-
2	c	c *Nbst* r t c *Stcu*	c *Acu Cunb* p_o t	t p c b	-	-	-	-	-	-
3	b	b *Ci* bc *Frcu*	bc *Frcu* b	b	-	-	-	-	-	-
4	b	b bc *Frcu Ci*	c bc *Frcu*	bc b	-	-	-	-	-	-
5	b w	b bc *Ci*	bc *Ci*	bc b	-	-	-	-	-	-
6	b	b bc b *Ci Frcu*	b *Ci*	b c	-	-	-	-	-	-
7	bc m	bc m b	b c *Cunb* t	c t b	-	-	-	-	-	-
8	b	c b *Frst*	b *Frcu* c *Ci Acu*	c	-	-	-	-	-	-
9	c bc	bc c *Ci Frcu*	c bc *Ci Acu Cu*	bc b	-	-	-	-	-	-
10	b	b *Ci Cu*	b *Ci Cu*	b bc b	-	-	-	-	-	-
11	b	b bc *Frcu*	b *Frcu*	b	-	-	-	-	-	-
12	b	b *Ci*	b *Acu* bc	c t l R c b	-	-	-	-	-	-
13	b m	b c *Nbst*	c *Nbst* bc	bc c	-	-	-	-	-	-
14	c r_o r m_o	c *Nbst* m_o rr R	R rr_o	r_o rr	-	-	-	-	-	-
15	rr c bc	bc *Cu Ci*	bc *Cu* p b	b c b	-	-	-	-	-	-
16	b	b c *Cunb Frcu Ci*	c b c	c b	-	-	-	-	-	-
17	b	c *Acu Cu*	c *Acu Cu*	c	-	-	-	-	-	-
18	c	c *Acu Cunb* p	c b c	*so-ha* c	-	-	-	-	-	-
19	c	c *Cu Cunb Stcu*	c *Acu Cu*	c b	-	-	-	-	-	-
20	c b c	c *Cu Acu Ci.*	c bc *Cu Frcu* b	b bc c	-	-	-	-	-	-
21	c	c *Nbst Cunb* p	c *Nbst Cunb* p c	c R t l c i r b	-	-	-	-	-	-
22	b c b	b bc *Cu Frcu*	bc p c *Ci* c p	c	-	-	-	-	-	-
23	c m_o	c R r c *Nbst Stcu*	c t bc *Cu*	bc b	-	-	-	-	-	-
24	b c	c b *Ci Cu* bc c	c	c i r c	-	-	-	-	-	-
25	c r c	c *Stcu Cunb*	c *Cu Cunb* b	c b	-	-	-	-	-	-
26	b c	c *Acu*	c *Acu Cu*	c r_o b c	-	-	-	-	-	-
27	c	c *Stcu*	c *Stcu* bc	bc c	-	-	-	-	-	-
28	c	c *Cu Frcu*	c *Cu Frcu* b	b	-	-	-	-	-	-
29	b	b *Frcu*	b	b	-	-	-	-	-	-
30	b c	c *Nbst* bc *Frcu Cu*	bc *Cu Frcu*	bc b	-	-	-	-	-	-
Means	-	-	-	-	-	-	-	-	-	-

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
July 1	29.970	75.5	50.9	24.6	65.6	55.6	50	137.7	38.4	0.000	8.2	16.6	3.9	0.86	3.8	0.85
2	29.880	76.0	50.6	25.4	69.5	58.5	49	137.7	37.8	0.369	12.4	16.6	3.9	0.86	3.8	0.83
3	29.712	59.6	57.7	1.9	58.3	57.5	95	65.3	50.8	0.410	0.0	16.5	0.0	0.00	0.0	0.00
4	29.796	61.9	55.0	6.9	57.2	55.9	91	82.1	53.2	0.000	0.0	16.5	0.0	0.00	0.0	0.00
5	29.720	63.2	56.5	6.7	60.0	56.9	81	83.5	54.4	0.020	0.0	16.5	1.9	0.43	1.5	0.34
6	29.712	67.2	54.3	12.9	61.0	59.3	90	104.5	42.9	0.061	0.9	16.5	1.3	0.29	0.9	0.21
7	29.795	75.6	57.1	18.5	64.6	59.6	73	132.3	46.3	0.000	6.4	16.4	3.7	0.82	3.5	0.77
8	29.950	79.2	56.3	22.9	67.4	60.7	66	133.2	45.4	0.000	8.5	16.4	4.1	0.82	3.5	0.69
9	29.753	86.0	58.6	27.4	78.5	67.9	56	138.9	47.7	0.521	13.6	16.4	0.6	0.12	0.5	0.11
10	29.660	71.0	55.1	15.9	65.1	58.7	67	139.3	49.8	0.032	6.6	16.4	0.5	0.09	0.2	0.03
11	29.537	70.9	59.0	11.9	61.5	55.9	69	128.5	55.4	0.000	4.6	16.3	4.9	0.97	4.9	0.97
12	29.793	73.0	54.6	18.4	67.0	58.8	59	128.0	47.4	0.000	6.1	16.3	5.0	1.00	5.0	1.00
13	29.776	73.2	50.0	23.2	67.2	59.3	60	132.8	39.4	0.126	6.6	16.3	0.1	0.02	0.1	0.01
14	29.613	72.8	57.1	15.7	64.5	57.7	64	142.3	..	0.000	9.1	16.2	5.0	1.00	5.0	1.00
15	29.739	68.6	50.7	17.9	66.0	59.3	65	116.3	41.0	0.220	2.4	16.2	0.0	0.00	0.0	0.00
16	29.433	71.2	53.7	17.5	65.5	60.7	75	115.1	52.6	0.009	9.8	16.2	4.7	0.89	4.2	0.80
17	29.652	70.3	56.3	14.0	63.6	57.5	67	120.2	50.0	0.017	8.2	16.2	0.3	0.06	0.2	0.03
18	29.894	70.1	58.5	11.6	67.6	62.6	75	107.1	52.5	0.001	0.5	16.1	0.7	0.13	0.6	0.12
19	30.087	78.5	63.7	14.8	69.4	64.5	75	127.3	59.5	0.000	2.6	16.1	5.2	0.98	5.1	0.97
20	29.997	78.9	60.1	18.8	66.0	63.2	85	125.4	50.4	0.619	3.5	16.0	2.5	0.47	2.1	0.39
21	29.747	77.8	57.8	20.0	60.5	59.8	95	130.3	52.3	0.018	5.5	16.0	5.2	0.98	5.2	0.98
22	29.713	74.8	55.6	19.2	66.5	61.2	73	134.4	48.0	0.060	2.4	15.9	..	..	..	..
23	29.373	69.8	59.8	10.0	62.8	59.7	83	127.3	56.1	0.507	3.4	15.9	4.7	0.81	3.8	0.66
24	29.760	71.9	54.6	17.3	64.6	58.6	68	135.3	49.8	0.013	9.4	15.9	5.2	0.90	5.2	0.90
25	29.812	67.0	55.4	11.6	63.6	60.3	81	113.3	46.5	0.140	0.0	15.8	0.2	0.03	0.1	0.01
26	29.869	70.6	56.6	14.0	64.6	57.3	62	129.5	51.1	0.000	6.2	15.8	0.9	0.15	0.5	0.09
27	29.899	73.7	56.6	17.1	63.8	56.2	60	126.2	49.0	0.000	11.3	15.7	5.7	0.99	5.7	0.99
28	29.830	75.8	52.6	23.2	68.6	61.2	63	134.5	43.7	0.000	3.8	15.7	5.7	0.99	5.6	0.98
29	29.951	72.5	54.4	18.1	64.7	56.9	59	126.3	45.4	0.000	8.7	15.6	3.5	0.55	2.6	0.42
30	29.890	66.2	54.0	12.2	64.5	58.2	67	86.3	45.1	0.030	0.1	15.6	0.0	0.00	0.0	0.00
31	29.625	77.8	60.2	17.6	64.3	61.2	83	139.0	58.1	0.000	5.7	15.5	3.9	0.62	3.3	0.53
Means	29.772	72.3	55.9	16.4	65.0	59.4	71.2	122.7	48.7	Sum 3.173	5.4	16.1	2.8	0.53	2.6	0.49

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursae Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
July 1	b bc	bc c *Frcu Cu*	c *Frcu Cu*	c b c b	12.4	16.5	..	..	..	..
2	b w	b bc *Cu Ci*	bc *Cu Ci so-ha* b	b	14.2	16.4	..	..	..	..
3	bc c	c t rr c *Nbst*	c *Nbst* rr 1 d	1 d c	1.2	16.4	..	..	..	..
4	c d c	c *St* 1 d_o	c *St* 1 d_o	c 1 d_o c	0.9	16.4	..	..	..	..
5	c	c *St*	c *St*	c	0.0	16.4	..	..	..	..
6	c	c r c *Nbst*	c *Nbst* r c	c	2.3	16.4	0.0	0.00	0.0	0.00
7	c b c	c *St* bc *Cu*	bc *Cu Frcu*	bc b	8.9	16.3	4.3	0.95	3.9	0.87
8	b c	c *Frst*	c *Cu Stcu* b	b	13.8	16.3	..	..	..	..
9	bc b	b *Frcu*	b *Cu Frcu* bc	c b c r R	13.5	16.3	..	..	..	..
10	r R b	b c *Cu Acu Ci*	c 1 r c	c 1 r c	6.7	16.3	0.0	0.00	0.0	0.00
11	c	c p c *Nbst*	c	c b	9.3	16.2	4.6	0.97	4.4	0.93
12	b	bc c *Cist Frcu so-ha*	c *Cist so-ha* c *Acu*	c b	6.1	16.2	4.7	1.00	4.7	1.00
13	b	b bc *Ci Acu* c *Stcu*	c *Stcu*	c rr c	7.4	16.2	0.2	0.05	0.2	0.05
14	c r c	bc *Cu* b c	c *Stcu Nbst* r_o bc *so-ha*	bc b	11.1	16.1	4.7	0.99	4.7	0.99
15	b c	c *Acu* c *Nbst* d_o	c *Nbst* d_o r c	c d	2.9	16.1	0.7	0.15	0.6	0.12
16	d rr c	c *Cumb Nbst* p	c *Cumb* b	b bc	9.9	16.1	3.8	0.75	3.7	0.74
17	bc c p b	b c *Cu* p	c p c *Cu Frcu* b	b c r c	8.9	16.0	0.0	0.00	0.0	0.00
18	c	c r_o c *Stcu*	c r_o c *Stcu*	c	0.5	16.0	0.3	0.06	0.2	0.05
19	c	c *Stcu*	c *Frcu* b	b c b	5.8	16.0	0.0	0.00	0.0	0.00
20	b c w m_o	c *St* m_o	c *St* bc *Frcu Ci so-ha*	bc b c	6.3	15.9	0.0	0.00	0.0	0.00
21	c r c	c r R c *Stcu*	c *Stcu* bc *Cu*	bc p_o b	6.6	15.9	4.0	0.81	3.5	0.69
22	b w c	c *Cicu Cist Acu*	c *Stcu* c r c r_o	c 1 d	6.4	15.8	0.1	0.02	0.0	0.00
23	c r c r	c *Nbst* 1 r	c *Nbst* p c r R c	c b	5.4	15.8	5.0	0.95	5.0	0.95
24	b	b c *Stcu Frcu*	c *Stcu* b	b	9.7	15.8	4.7	0.90	4.6	0.87
25	b c p	c *Nbst* r	r c *Nbst* r	r d c	1.1	15.7	0.0	0.00	0.0	0.00
26	c bc	bc *Cist* c *Stcu Cu*	c *Stcu Cu*	c	8.8	15.7	1.0	0.19	0.4	0.08
27	c b	b *Ci Frcu*	b bc *Frcu*	bc b	13.5	15.6	5.3	1.00	5.3	1.00
28	b w c	c *Frcu Ci Acu*	c *Acu Stcu*	c b	9.6	15.6	5.0	0.95	2.9	0.56
29	b	b *Ci* bc *Cu Frcu*	bc *Cu Frcu*	bc c	9.8	15.5	4.3	0.81	3.6	0.69
30	c bc w c	c *Nbst* r_o	c *Nbst* 1 r_o	c 1 r_o c	1.6	15.5	0.1	0.02	0.0	0.00
31	c 1 d	c 1 d c *Cu*	c *Cu Cumb*	c b	7.4	15.4	3.0	0.53	2.7	0.46
Means	-	-	-	-	7.2	16.0	2.3	0.46	2.1	0.42

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
Aug. 1	29.647	72.9	57.7	15.2	66.2	57.7	57	135.9	50.6	0.094	7.2	15.4	0.9	0.15	0.8	0.12
2	29.505	67.6	55.5	12.1	61.8	56.7	71	129.5	49.6	0.020	4.7	15.4	5.4	0.86	5.4	0.86
3	29.588	69.4	50.6	18.8	58.0	53.9	75	118.0	44.0	0.000	2.1	15.4	4.7	0.75	3.9	0.62
4	29.863	77.4	51.3	26.1	64.6	58.2	66	136.9	42.2	0.000	8.7	15.3	4.2	0.68	4.1	0.66
5	29.883	79.6	57.3	22.3	68.1	61.9	69	137.9	46.7	0.000	5.1	15.2	3.4	0.50	3.1	0.45
6	29.788	81.8	58.4	23.4	73.3	64.3	59	138.8	49.2	0.000	2.5	15.2	2.2	0.32	1.3	0.20
7	29.668	83.5	58.2	25.3	71.8	64.9	67	139.3	49.2	0.000	3.0	15.1	6.7	1.00	6.7	1.00
8	29.667	80.2	56.7	23.5	72.8	64.4	61	138.8	46.4	0.007	3.9	15.1	0.6	0.09	0.4	0.06
9	29.567	71.8	61.7	10.1	64.5	62.5	89	135.3	55.6	0.067	4.3	15.0	6.3	0.94	5.8	0.86
10	29.850	73.5	54.6	18.9	62.9	58.6	76	124.2	45.2	0.000	2.7	15.0	6.7	1.00	6.7	1.00
11	30.027	69.0	52.0	17.0	64.8	58.5	67	107.0	41.0	0.000	3.1	14.9	2.7	0.41	2.2	0.33
12	29.961	71.1	58.6	12.5	67.8	62.1	71	126.2	50.8	0.088	1.6	14.8	0.0	0.00	0.0	0.00
13	29.855	75.6	62.5	13.1	66.4	62.4	79	129.3	60.0	0.000	4.2	14.8	7.3	1.00	7.3	1.00
14	29.942	74.6	50.6	24.0	62.2	55.0	60	125.8	38.9	0.000	11.2	14.7	1.0	0.13	0.9	0.12
15	29.800	67.0	60.6	6.4	64.5	60.6	79	102.5	53.0	0.305	0.0	14.7	0.0	0.00	0.0	0.00
16	29.509	69.8	55.5	14.3	60.0	53.4	62	129.5	53.0	0.000	12.1	14.6	6.9	0.96	6.9	0.96
17	29.419	65.0	49.3	15.7	59.0	55.0	76	111.3	42.8	0.013	0.9	14.6	7.1	0.99	7.1	0.99
18	29.345	70.2	49.7	20.5	60.8	54.6	65	130.2	42.6	0.100	8.6	14.5	5.9	0.82	5.5	0.75
19	29.675	70.0	49.7	20.3	62.6	55.6	62	133.1	46.0	0.030	3.5	14.4	4.9	0.61	4.6	0.57
20	29.800	76.0	52.4	23.6	65.3	60.7	76	131.8	44.0	0.000	6.5	14.4	3.6	0.45	2.7	0.34
21	29.819	79.8	59.1	20.7	68.8	63.5	73	126.0	53.1	0.022	5.8	14.3	7.7	0.96	7.7	0.96
22	29.801	81.2	56.7	24.5	66.7	64.6	89	129.5	48.0	0.004	4.8	14.3	7.1	0.89	6.6	0.83
23	29.733	74.3	53.6	20.7	71.3	61.3	54	117.3	43.2	0.003	6.5	14.2	5.7	0.71	5.3	0.66
24	29.557	72.6	55.2	17.4	69.3	60.5	58	139.0	46.0	0.170	8.8	14.1	6.1	0.76	5.7	0.71
25	29.740	71.3	54.2	17.1	63.3	57.7	70	132.2	47.2	0.000	8.7	14.1	4.0	0.50	3.7	0.47
26	29.500	73.5	57.7	15.8	70.1	62.1	62	135.3	50.0	0.020	6.3	14.0	8.5	1.00	8.5	1.00
27	29.683	70.2	52.1	18.1	62.0	56.1	67	130.0	44.0	0.008	6.2	13.9	7.4	0.87	6.7	0.79
28	29.663	68.8	49.8	19.0	62.4	57.3	72	107.5	39.4	0.012	1.5	13.9	5.1	0.60	4.8	0.56
29	29.689	70.9	51.2	19.7	60.8	55.2	68	131.8	45.8	0.000	9.5	13.8	8.3	0.98	7.0	0.83
30	29.902	69.4	50.3	19.1	64.1	59.7	76	112.1	42.0	0.120	0.9	13.8	0.2	0.02	0.0	0.00
31	29.695	65.5	57.0	8.5	61.8	60.4	92	84.3	54.2	0.181	0.0	13.7	2.2	0.25	1.0	0.12
Means	29.714	73.0	54.8	18.2	65.1	59.3	70.0	126.0	47.2	Sum 1.264	5.0	14.6	4.6	0.62	4.3	0.57

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
Aug. 1	b c p_o	c bc *Acu Ci so-ha* c	c bc *Cu Frcu*	bc c	4.2	15.4	1.9	0.32	1.4	0.25
2	c r c b	b c *Cunb* p t	c *Cunb* p t	c t l b	6.4	15.3	4.6	0.80	4.6	0.80
3	b c	c *Stcu*	r_o c b c *Acu Cu*	c	4.1	15.3	5.6	0.97	5.6	0.97
4	b	b z_o	b c *Frcu*	c bc	11.2	15.2	4.8	0.84	4.6	0.79
5	b c	c *Acu* b *Ci*	b c *Acu Cist so-ha* c	c b c	10.3	15.2	4.7	0.81	3.2	0.55
6	c	c *Acu Cist so-ha* c	c *Cu Ci*	c b c	7.4	15.1	4.5	0.72	4.3	0.69
7	c	c *Ast Acu*	c b c	c b	8.6	15.1	6.3	1.00	6.3	1.00
8	b bc	bc c *Acu Ci*	c *Ast Nbst*	c	3.8	15.0	3.1	0.49	3.1	0.49
9	c	c d c r c *Nbst*	c bc *Cu Ci Acu*	b	1.1	15.0	4.6	0.74	4.1	0.66
10	bc c	c *Ast*	c *Stcu Cu* bc	b	5.0	14.9	6.3	1.00	6.3	1.00
11	b	b w c *Stcu*	c *Stcu*	c b c	4.0	14.9	4.8	0.77	4.3	0.68
12	c	c *Stcu*	c *Stcu* c r_o	c i r_o	4.2	14.8	0.0	0.00	0.0	0.00
13	c i r_o c	c *Stcu* bc	bc *Frcu*	b	4.9	14.7	5.4	0.80	5.1	0.76
14	b m_o	b *Ci* z	b *Ci* z bc	bc c	12.2	14.7	2.4	0.36	2.3	0.34
15	c	c *Nbst* 1 r_o	c *Nbst* $r_o r_o$ r	c rr	0.0	14.6	0.0	0.00	0.0	0.00
16	r r_o c i r_o	c b bc *Cu Frcu*	bc *Cu Frcu* b	b c b	12.2	14.6	5.0	0.75	5.0	0.75
17	b c	c r_o c *Nbst*	c *Nbst* 1 r_o c	c b	1.9	14.5	2.1	0.31	1.9	0.28
18	b w	b *Cu* c p	bc c *Cunb* t l r c	c i r b	8.4	14.5	3.2	0.47	2.8	0.42
19	b c	c *Acu Cicu Cunb* r_o	c *Nbst* p bc *Cu* c	c b	7.8	14.4	3.1	0.46	3.0	0.45
20	b c	c *Stcu*	c bc c *Cu Frcu Ci*	c b c	7.6	14.3	..	..	..	..
21	c m	c bc *Frcu Ci* c	c *Stcu* b	b	9.5	14.3	7.0	0.94	5.9	0.79
22	b c	c *Nbst* r c bc *Cu Ci*	bc *Cu* c *Cunb* r c	c bc b	4.3	14.2	6.0	0.80	5.9	0.79
23	b	b *Frcu Ci* c *Nbst* r_o	c *Nbst* r_o c *Cu* b	b bc	4.8	14.1	6.2	0.83	6.1	0.81
24	bc c	c bc *Cu Frcu*	c p bc c R t c b	b c b	9.1	14.1	5.6	0.75	4.7	0.63
25	b bc	bc c *Cunb* p_o	c bc	b c	8.3	14.0	6.1	0.81	4.4	0.59
26	c b c p	c bc *Acu Cist*	bc c *Nbst Cunb* p c	c b	6.8	14.0	7.1	0.95	7.0	0.93
27	b *lu-ha* c	c *Cist so-ha* c *Cunb* p	c *Cunb* p c b	b c	10.2	13.9	6.2	0.78	5.7	0.71
28	c b c	c *Ast Acu*	c *Nbst* 1 r_o c	c b	2.8	13.8	5.1	0.63	4.6	0.57
29	b c b	b bc *Frcu Cu*	c *Stcu* bc b	b bc	7.3	13.8	7.7	0.96	7.7	0.96
30	bc b c	c i r c *Stcu*	c *Stcu* c r	rr c r c	1.8	13.7	1.1	0.14	0.9	0.11
31	c i r m	c *Nbst* c r	R rr_o c *Nbst*	c r_o c	0.3	13.7	3.2	0.40	3.0	0.37
Means	-	-	-	-	6.1	14.6	4.5	0.65	4.1	0.60

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
Sept. 1	29.821	70.9	57.5	13.4	59.7	57.4	86	129.3	55.5	0.093	4.3	13.6	0.5	0.06	0.2	0.02
2	29.683	66.9	54.6	12.3	59.6	55.7	77	121.3	54.0	0.004	7.0	13.6	6.8	0.75	6.1	0.68
3	29.847	65.3	47.4	17.9	53.0	50.4	83	99.2	39.6	0.056	0.0	13.5	2.3	0.25	1.2	0.13
4	29.732	73.5	52.4	21.1	64.7	60.5	77	132.3	51.7	0.011	6.6	13.4	..	..	..	..
5	29.801	70.4	59.5	10.9	61.3	54.6	62	126.0	57.0	0.000	8.8	13.4	8.8	0.98	8.7	0.97
6	29.772	64.1	44.9	19.2	61.3	54.5	62	100.9	35.2	0.115	3.2	13.3	2.0	0.22	1.7	0.19
7	29.513	66.0	55.6	10.4	57.3	52.8	72	124.3	51.4	0.000	5.4	13.2	8.8	0.98	8.6	0.96
8	29.807	65.2	50.4	14.8	58.3	52.1	63	127.3	44.5	0.420	1.5	13.1	0.0	0.00	0.0	0.00
9	29.622	70.4	53.2	17.2	62.4	61.9	97	112.5	51.6	0.090	0.8	13.1	0.9	0.10	0.8	0.08
10	29.739	72.2	60.4	11.8	62.4	60.1	87	130.7	56.6	0.000	6.0	13.0	6.1	0.66	5.2	0.56
11	29.753	64.6	55.9	8.7	60.7	59.2	91	94.0	50.3	0.132	0.9	13.0	4.0	0.43	3.7	0.40
12	29.903	63.6	54.5	9.1	59.9	53.7	64	117.5	48.0	0.000	4.0	12.9	9.1	0.99	8.9	0.96
13	29.827	66.1	54.7	11.4	62.3	57.5	73	113.2	48.5	0.076	3.8	12.9	2.5	0.27	2.4	0.26
14	29.558	68.0	56.6	11.4	58.6	55.4	80	124.1	48.9	0.040	5.2	12.8	6.3	0.68	4.7	0.51
15	29.327	59.5	51.2	8.3	56.6	55.5	93	96.1	45.0	0.375	0.1	12.7	5.2	0.56	5.0	0.54
16	29.714	65.5	44.5	21.0	57.5	53.8	77	117.8	35.9	0.065	3.6	12.7	2.8	0.30	2.5	0.27
17	29.384	64.0	55.2	8.8	59.5	52.7	61	116.0	49.6	0.000	7.0	12.6	6.0	0.65	4.8	0.52
18	29.679	63.8	50.5	13.3	56.1	49.5	59	121.5	43.5	0.000	9.5	12.5	7.7	0.83	6.0	0.65
19	29.707	63.8	46.7	17.1	53.9	50.4	77	121.8	38.8	0.050	0.5	12.5	0.1	0.01	0.1	0.01
20	29.526	62.0	52.5	9.5	55.0	50.9	74	117.5	49.1	0.000	5.6	12.4	8.9	0.96	8.8	0.95
21	29.483	59.5	43.9	15.6	54.0	49.2	69	101.3	37.2	0.000	3.0	12.3	6.1	0.66	5.7	0.62
22	29.827	60.5	46.3	14.2	55.5	50.7	70	118.2	38.0	0.200	3.8	12.3	7.7	0.83	6.2	0.67
23	30.046	60.0	45.3	14.7	52.4	47.4	66	116.1	39.8	0.176	4.8	12.2	0.4	0.04	0.3	0.03
24	29.747	59.9	52.7	7.2	56.6	55.7	95	79.2	50.0	0.233	0.0	12.1	3.5	0.34	3.1	0.30
25	29.282	61.9	49.7	12.2	54.9	52.7	85	128.5	45.0	0.172	3.4	12.1	0.4	0.04	0.3	0.03
26	29.575	55.0	49.7	5.3	52.5	50.7	87	67.9	45.1	0.013	0.1	12.0	1.0	0.10	0.0	0.00
27	30.044	60.3	41.6	18.7	46.6	43.9	79	101.3	37.0	0.003	1.1	11.9	0.0	0.00	0.0	0.00
28	29.820	69.1	45.9	23.2	60.3	58.4	89	115.1	48.9	0.013	1.5	11.9	0.1	0.01	0.0	0.00
29	29.783	61.0	54.6	6.4	55.6	52.8	82	85.9	54.0	0.052	0.6	11.8	0.0	0.00	0.0	0.00
30	29.511	60.4	55.4	5.0	60.0	59.1	95	81.9	53.8	0.285	0.0	11.7	0.0	0.00	0.0	0.00
Means	29.694	64.4	51.4	13.0	57.6	54.0	77.7	111.3	46.8	Sum 2.674	3.4	12.7	3.7	0.40	3.3	0.36

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
Sept. 1	c	c bc *Stcu Cu*	bc *Stcu Cu* c	c r	4.9	13.6	1.5	0.19	1.0	0.13
2	r c rr c	c *Nbst*	c *Stcu* bc b *Cu*	b	9.8	13.5	7.6	0.95	6.6	0.83
3	bc *lu-ha* c	c rr c *Nbst*	c *Nbst* 1 d	c 1 d c	0.0	13.5	2.2	0.26	1.6	0.19
4	c	c bc *Frst Ci* c	c *Frst* bc *Cu Frcu*	c b c	3.5	13.4	0.0	0.00	0.0	0.00
5	c 1 r_o c	c b *Ci*	b *Ci*	b	7.2	13.3	8.2	0.99	8.2	0.99
6	b w	b bc *Ci* c *Ast Cu*	c *Ast Cu* c 1 r	c 1 r	4.1	13.3	0.9	0.11	0.6	0.07
7	rr c	c bc *Cu*	bc *Cu*	b	7.1	13.2	7.7	0.93	7.6	0.93
8	b bc c	c *St Cu* b c	c *Nbst* r c rr	rr c	3.1	13.2	0.0	0.00	0.0	0.00
9	c rr m	rr c 1 d	c *Cu Stcu*	c b c dd	1.2	13.1	0.1	0.01	0.0	0.00
10	dd r_o	r_o c *Cu Stcu*	c b *Cu Ci*	b c	7.2	13.0	2.9	0.34	2.7	0.30
11	c b c	c *Nbst*	c *Nbst* 1 r c	c	0.7	13.0	3.1	0.35	2.8	0.32
12	bc b	b bc c *Frcu Ci*	c *Stcu*	bc b	3.9	12.9	3.4	0.39	2.8	0.32
13	b w	b bc *Cu Ci* c *Stcu*	c *Stcu*	c bc	6.3	12.8	3.9	0.45	3.8	0.43
14	c 1 r	c *Cu Stcu*	c bc *Cu Stcu* b	b bc	4.1	12.8	3.8	0.44	3.8	0.44
15	bc c	c *Nbst* rr	rr u r c *Nbst*	c r R c r b	1.2	12.7	5.9	0.67	5.7	0.65
16	b	b c *Ci so-ha* c *Acu*	c *Acu Cu* bc	bc c q r	7.0	12.6	1.3	0.14	0.8	0.08
17	q r b c	c p c *Stcu*	c bc *Stcu Cu* p b	bc p b c	8.6	12.6	2.9	0.31	2.4	0.26
18	c b	b *Frcu* c *Cu Stcu*	c bc *Cu Frcu* b	b	9.4	12.5	4.9	0.53	3.0	0.33
19	b c	c r_o c *Acu Stcu*	c *Stcu*	c 1 r_o	1.1	12.4	2.2	0.23	1.5	0.16
20	r_o c	c r bc *Acu Stcu*	bc p bc *Frcu*	b bc b	8.1	12.4	4.3	0.46	3.8	0.41
21	b	b bc *Acu* c *Stcu*	c *Cu* p bc b	b	5.4	12.3	7.8	0.85	7.7	0.83
22	b c bc	bc *Acu Cist* c p	c u R t c bc b	b c	6.3	12.2	9.3	1.00	9.3	1.00
23	c	c *Acu Ast Ci*	c *Ast Acu*	c	4.0	12.2	2.1	0.22	1.8	0.18
24	c rr	rr c r c *Nbst*	c *Nbst* 1 r	1 r c b	0.0	12.1	2.8	0.29	2.5	0.26
25	b c	c bc c *Nbst Stcu*	bc *Cumb Acu* p	c p c r c	5.7	12.1	3.8	0.39	3.5	0.36
26	c r c	c *Nbst* r_o c	c *Nbst* r c	c	0.8	12.0	8.5	0.87	4.4	0.45
27	c	c *Cist Ast so-ha* c	c *Ast*	c r_o c	2.5	11.9	0.0	0.00	0.0	0.00
28	c r_o c	c *Nbst*	c d c *Acu Cu*	c	0.0	11.9	0.4	0.04	0.2	0.02
29	c d_o	dd c *Nbst*	c *Stcu*	c r_o c	0.1	11.8	0.3	0.03	0.1	0.01
30	c 1 r_o	c *Nbst* r c	c *Nbst* dd	d_o c r	0.0	11.8	0.2	0.02	0.1	0.01
Means	-	-	-	-	4.1	12.7	3.4	0.38	2.9	0.33

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
Oct. 1	29.316	59.9	49.8	10.1	53.1	49.6	76	112.5	46.0	0.029	5.9	11.7	5.6	0.52	4.9	0.45
2	29.502	61.8	48.5	13.3	55.9	50.7	68	121.3	41.5	0.060	3.0	11.6	9.9	0.92	9.4	0.87
3	29.966	61.1	46.3	14.8	52.2	48.9	77	98.3	37.6	0.000	3.6	11.5	3.3	0.31	2.6	0.24
4	29.943	63.2	52.5	10.7	58.6	56.6	88	93.1	46.9	0.000	0.2	11.5	10.8	1.00	10.8	1.00
5	29.834	73.5	53.1	20.4	62.0	58.0	77	127.6	45.0	0.000	9.7	11.4	10.8	1.00	10.8	1.00
6	29.760	66.7	55.8	10.9	61.4	59.1	87	126.9	44.8	0.000	3.5	11.4	6.5	0.60	5.1	0.48
7	29.786	60.6	53.6	7.0	58.2	53.9	74	73.8	46.7	0.000	0.0	11.3	2.7	0.24	1.6	0.14
8	29.664	60.7	49.6	11.1	54.3	49.3	68	106.9	44.0	0.033	3.0	11.2	11.3	1.00	11.3	1.00
9	29.869	53.0	41.3	11.7	46.7	42.9	71	80.3	33.1	0.022	0.1	11.2	5.0	0.44	3.9	0.35
10	29.660	58.2	46.2	12.0	53.0	50.6	83	96.7	40.0	0.000	1.0	11.1	7.8	0.69	7.3	0.64
11	30.123	56.7	44.4	12.3	49.3	44.8	68	95.0	37.2	0.000	5.3	11.0	3.8	0.34	3.3	0.29
12	30.302	65.4	46.9	18.5	55.6	53.1	84	111.3	36.6	0.000	8.4	11.0	11.3	1.00	11.3	1.00
13	29.951	67.8	47.2	20.6	55.6	53.5	86	116.3	37.4	0.035	7.9	10.9	2.9	0.26	2.7	0.24
14	29.803	59.6	47.8	11.8	52.6	50.0	82	108.3	39.3	0.000	5.6	10.8	11.4	0.99	11.3	0.98
15	29.803	59.7	39.6	20.1	50.4	49.1	91	98.0	30.6	0.000	1.7	10.8	6.5	0.57	5.1	0.44
16	29.966	64.0	40.8	23.2	50.4	49.3	92	103.7	32.0	0.000	6.0	10.7	6.8	0.59	4.9	0.43
17	29.923	58.0	49.9	8.1	54.7	50.9	75	68.3	43.5	0.000	0.0	10.7	5.4	0.47	3.8	0.33
18	30.071	64.4	50.4	14.0	54.3	52.3	87	118.1	43.4	0.000	1.7	10.6	4.4	0.38	3.2	0.28
19	30.105	65.4	52.2	13.2	55.7	53.9	88	110.0	44.1	0.000	4.5	10.5	2.0	0.17	1.9	0.17
20	30.120	57.4	52.4	5.0	53.0	50.9	86	73.3	41.6	0.000	0.0	10.5	..	..	..	..
21	30.153	53.7	47.7	6.0	50.6	46.7	73	74.1	42.8	0.000	1.0	10.4	2.6	0.22	0.0	0.00
22	30.023	54.5	46.6	7.9	48.1	45.7	82	82.4	39.8	0.018	0.0	10.3	1.8	0.15	1.4	0.12
23	29.960	52.6	45.7	6.9	50.7	49.8	93	55.7	34.2	0.007	0.0	10.3	0.6	0.05	0.2	0.02
24	29.964	56.5	49.5	7.0	52.6	50.7	87	78.9	46.0	0.000	0.9	10.2	12.0	1.00	12.0	1.00
25	29.893	53.8	41.7	12.1	48.7	44.8	72	97.0	31.6	0.000	5.8	10.1	11.7	0.98	11.6	0.97
26	29.939	50.8	35.6	15.2	41.1	40.5	95	92.3	25.6	0.000	3.2	10.1	7.7	0.64	5.9	0.49
27	29.843	46.0	32.5	13.5	40.6	37.3	70	90.9	21.4	0.000	2.0	10.0	8.4	0.70	7.0	0.58
28	29.888	45.8	27.7	18.1	32.1	31.7	96	85.3	19.3	0.008	0.6	9.9	12.3	0.98	12.2	0.97
29	29.820	46.8	31.6	15.2	34.6	33.5	89	67.6	25.0	0.000	0.1	9.9	6.8	0.54	5.6	0.45
30	29.783	49.5	31.2	18.3	36.6	35.7	91	65.3	23.4	0.139	0.2	9.8	1.6	0.13	1.5	0.12
31	29.878	49.3	37.5	11.8	47.0	45.6	89	65.3	35.1	0.000	0.0	9.8	4.6	0.37	3.3	0.26
Means	29.891	57.9	45.0	12.9	50.6	48.0	82.1	93.4	37.3	Sum 0.351	2.7	10.7	6.6	0.57	5.9	0.51

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
Oct. 1	r c q r c	c b bc *Cu Frcu*	bc *Cu Acu* c	c r b	6.9	11.7	4.1	0.40	2.7	0.26
2	b c rr_o c	c *Ast* bc *Cu Frcu*	bc *Cu* p c r	r b c b	2.8	11.6	8.5	0.83	8.3	0.81
3	b	b c *Ci Cu*	c *Ci Cu Frcu*	c	7.5	11.6	4.4	0.43	1.2	0.12
4	c m_o w	c *Stcu*	c *Cu Stcu*	bc b	1.4	11.5	10.3	1.00	10.3	1.00
5	b w	b	b	b	10.0	11.4	10.3	1.00	10.0	0.97
6	b w	b c *Frst* b *Cu*	b *Cu* c *Stcu*	c	3.4	11.4	2.1	0.21	1.1	0.10
7	c b c	c *St*	c *Stcu*	c	0.1	11.3	2.7	0.26	1.7	0.16
8	c	c bc *Acu* c	c q r c i r bc	b	3.5	11.2	10.5	1.00	10.4	0.99
9	b bc m_o	c *Ast* m_o	c *Acu Cu* b	b c b	0.1	11.2	2.2	0.21	1.5	0.14
10	b c	c r c *Ast*	c bc *Acu Cu*	bc c p c	0.0	11.1	6.7	0.64	5.9	0.56
11	c b	b *Ci* c *Cu*	c *Cu Stcu*	c m	8.2	11.1	8.0	0.77	6.0	0.57
12	c b c m w	c bc *Ci Acu*	bc *Ci Acu* b	b	7.7	11.0	10.5	1.00	10.5	1.00
13	b w m_o	b *Ci*	b *Ci* c *Frcu*	c r	8.1	10.9	2.5	0.24	2.4	0.23
14	rr_o b c b	b *Ci Cu*	bc *so-ha prhn* c *Ast* b	b w	7.3	10.9	9.4	0.85	8.6	0.78
15	b w	b c *Cist so-ha*	c *Cist so-ha* c *Ast*	c bc	0.7	10.8	10.4	0.95	9.8	0.89
16	bc b m w	b m b	b c *Stcu* b	b c	8.5	10.7	7.7	0.70	6.2	0.56
17	c	c *Ast Nbst* 1 d_o	c *Nbst* 1d_o c	c b	0.0	10.7	7.4	0.67	5.2	0.47
18	b c	c *Stcu*	c *Stcu*	c	1.2	10.6	0.5	0.04	0.4	0.04
19	c w	c *Stcu* bc	b c	c b c	5.5	10.6	0.1	0.01	0.0	0.00
20	c m_o	c o *St* m_o	o *St* c	c bc	0.3	10.5	5.4	0.49	5.2	0.47
21	bc c	c *Cist Acu so-ha* c *St*	c *St*	c	0.0	10.4	3.0	0.26	1.4	0.12
22	c m_o	c *Acu* m_o	c m_o	c m_o	2.0	10.4	1.1	0.10	0.8	0.07
23	c dd m_o	dd c *Nbst* 1 d m_o	c *Stcu* m_o	c m_o	1.0	10.3	2.2	0.19	1.8	0.16
24	c m_o	c *St* m_o	c *Stcu* b	b	7.5	10.2	8.2	0.72	8.2	0.71
25	b w m_o	b *Frcu* m_o c *Stcu*	c *Stcu* b	b	9.3	10.2	11.5	1.00	11.5	1.00
26	b bc m x	c *Acu* f bc *Stcu*	bc *Ci Acu so-ha* b m_o	b c *lu-ha*	6.3	10.1	9.4	0.81	8.9	0.78
27	c b m_o x	b *Ci Frcu* m_o f bc *Acu*	bc *Acu Ci prhn* bc	bc c b	5.1	10.1	6.9	0.60	5.9	0.51
28	b bc x ff	bc ff x m	bc *Ast Acu* c r b	b	5.3	10.0	11.2	0.95	11.2	0.95
29	b x f	b x f c *Acu* m	c *Acu*	c b	3.8	9.9	6.9	0.59	5.4	0.46
30	b bc c m x	c m f c *Stcu*	c *Nbst* r r_o	rr c r c	0.3	9.9	1.8	0.16	1.8	0.15
31	c r c b c	c *St* m	c *St* m b f	b bc o ffe	0.1	9.8	10.0	0.85	9.6	0.82
Means	-	-	-	-	4.0	10.7	6.3	0.58	5.6	0.51

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
Nov. 1	29.870	47.8	40.2	7.6	42.9	42.4	96	57.6	29.0	0.040	0.0	9.7	1.7	0.14	1.2	0.09
2	29.719	49.5	42.8	6.7	46.2	45.0	91	58.0	35.3	0.659	0.0	9.7	0.4	0.03	0.2	0.02
3	29.543	48.9	40.7	8.2	45.6	42.8	78	58.0	39.1	0.020	0.2	9.6	0.5	0.04	0.3	0.02
4	29.813	48.7	45.0	3.7	47.0	45.6	89	63.3	42.5	0.030	0.0	9.5	10.0	0.79	9.8	0.77
5	29.935	48.0	39.0	9.0	43.0	41.0	83	82.9	31.1	0.000	2.4	9.5	4.9	0.38	4.7	0.37
6	29.817	48.1	39.4	8.7	44.8	43.3	88	60.3	31.8	0.000	0.0	9.4	11.5	0.90	11.1	0.87
7	29.950	49.4	33.0	16.4	33.6	33.1	95	71.0	24.5	0.000	0.8	9.4	5.6	0.44	2.4	0.19
8	29.733	55.0	33.6	21.4	49.4	45.7	73	74.8	27.2	0.000	0.1	9.3	0.0	0.00	0.0	0.00
9	29.698	55.3	49.0	6.3	53.0	51.5	90	69.6	47.0	0.160	0.0	9.2	0.7	0.06	0.5	0.04
10	29.408	55.5	51.0	4.5	55.3	54.5	95	58.0	44.6	0.860	0.0	9.2	5.0	0.39	5.0	0.39
11	29.570	54.1	39.4	14.7	44.2	43.9	89	92.6	31.0	0.070	5.5	9.1	4.7	0.36	4.4	0.34
12	29.225	48.2	42.9	5.3	43.3	41.3	84	80.3	34.5	0.210	2.9	9.1	6.0	0.46	5.6	0.43
13	28.951	50.2	43.2	7.0	47.2	44.1	76	75.7	37.4	0.015	4.3	9.0	8.4	0.65	8.3	0.64
14	29.224	46.5	41.2	5.3	42.4	40.4	83	70.7	34.6	0.000	2.3	9.0	12.3	0.95	12.2	0.94
15	29.797	46.2	36.7	9.5	38.8	36.9	82	58.0	28.0	0.280	0.7	8.9	0.2	0.02	0.0	0.00
16	29.245	46.0	37.7	8.3	44.0	43.6	97	52.5	28.6	0.190	0.0	8.9	2.0	0.15	1.7	0.13
17	29.601	47.6	38.6	9.0	42.0	40.7	89	68.3	30.7	0.004	3.0	8.8	12.3	0.95	11.7	0.90
18	29.721	52.0	34.4	17.6	40.2	39.7	95	76.9	25.2	0.255	2.7	8.8	2.1	0.16	1.8	0.14
19	29.292	49.8	40.7	9.1	41.6	40.6	91	75.8	33.1	0.370	2.3	8.7	3.8	0.29	2.8	0.21
20	29.103	50.5	41.3	9.2	45.3	42.1	75	73.3	37.3	1.020	3.3	8.7	0.0	0.00	0.0	0.00
21	28.695	46.5	44.4	2.1	45.8	44.9	93	52.9	41.1	0.014	0.0	8.6	3.7	0.28	2.3	0.17
22	29.081	47.8	40.8	7.0	45.3	42.5	78	75.9	35.8	0.018	1.0	8.6	0.0	0.00	0.0	0.00
23	29.344	45.4	42.6	2.8	43.5	42.3	90	45.4	38.2	0.110	0.0	8.5	2.2	0.16	0.7	0.05
24	29.560	44.4	38.9	5.5	39.4	37.9	86	57.3	33.6	0.000	0.1	8.5	8.2	0.62	0.6	0.05
25	29.689	35.3	31.0	4.3	31.0	30.8	98	38.0	23.3	0.000	0.0	8.4	0.0	0.00	0.0	0.00
26	29.988	37.1	31.0	6.1	34.4	34.2	98	42.2	25.6	0.000	0.0	8.4	0.0	0.00	0.0	0.00
27	30.074	55.7	32.4	23.3	37.1	36.7	96	57.6	30.0	0.260	0.1	8.4	0.0	0.00	0.0	0.00
28	29.423	56.2	37.1	19.1	55.0	54.3	95	62.5	36.6	0.099	0.0	8.3	4.5	0.36	3.6	0.29
29	29.396	46.9	43.7	3.2	44.5	41.6	76	63.0	38.0	0.040	2.8	8.3	7.8	0.62	6.7	0.53
30	29.809	51.1	37.9	13.2	45.0	42.4	79	66.6	29.3	0.240	0.1	8.2	2.6	0.19	2.3	0.17
Means	29.542	48.8	39.7	9.1	43.7	42.2	87.6	64.6	33.5	Sum 4.964	1.2	8.9	4.0	0.31	3.3	0.26

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
Nov. 1	o fefe	o fefe o *St*	o *St* c b	b c m	0.0	9.8	2.3	0.20	1.5	0.13
2	c 1 r c m	c m c *Acu Stcu*	c *Nbst* d_o rr	rr c	0.0	9.7	2.1	0.18	1.4	0.12
3	c	c *Nbst* r c	c *Stcu Frcu* c	c	1.6	9.6	3.5	0.30	2.3	0.20
4	c 1 r c r_o c m	c m c *Nbst*	c *Nbst* r c *Stcu*	c b c b	1.1	9.6	11.2	0.89	10.3	0.82
5	b	b *Acu* m_o c *Stcu*	c *Stcu* b	b c	5.8	9.5	8.8	0.70	8.3	0.67
6	c m	c m c *Nbst*	c b	b	0.1	9.5	11.3	0.91	11.1	0.89
7	b m x	b m x bc *Frcu* f	bc *Frcu* b ff	b c ff	6.9	9.4	7.0	0.56	6.2	0.49
8	c	c *Ast Frst*	c *Stcu*	c	0.1	9.4	0.0	0.00	0.0	0.00
9	c	c *Nbst* r c d_o	c *Nbst* 1 d	c 1 d 1 r	0.0	9.3	0.0	0.00	0.0	0.00
10	c 1 r c	c *Nbst* rr	c *Nbst* f rr	rr c	0.0	9.2	6.6	0.53	6.3	0.50
11	c b	b *Acu* c *Nbst* p	c bc *Cu Ci*	bc c	3.6	9.2	6.0	0.48	5.5	0.44
12	c rr c r	r c *Nbst* b	b c rr	r c b	4.8	9.1	3.6	0.29	3.5	0.28
13	b c r_o c	c b c *Frcu Cu*	c u q p c bc	b	4.5	9.1	9.5	0.76	9.1	0.73
14	b c b c p	c *Stcu Frcu*	c *Acu*	c b	4.4	9.0	12.5	1.00	12.5	1.00
15	b x	b *Acu* f c *Ci* m	c b c *Acu Ci* m f	c r_o f m	2.4	9.0	0.4	0.03	0.1	0.01
16	rr m	r c 1 d_o m	c 1 r_o m dd f	rr c	0.0	8.9	4.5	0.36	3.3	0.26
17	c b c	c f c *Acu* b c	c p c b	b bc	3.7	8.9	11.9	0.95	11.9	0.95
18	bc b x m	b c m b *Acu Cicu*	b c *Nbst* 1 r	c 1 r rr	4.4	8.9	2.8	0.22	2.7	0.21
19	r c	c p c *Nbst Cunb*	c *Cunb* c pht c p	c r R c r	4.0	8.8	2.5	0.19	2.3	0.18
20	R r c	c bc *Acu Cu*	c *Nbst* r R	r R	0.9	8.8	1.4	0.11	1.4	0.11
21	r R c m_o	c *Nbst* m_o rr_o	r_o c *Nbst* 1 d	c 1 d c	0.0	8.7	10.3	0.79	9.7	0.75
22	c	c *Acu*	c *Stcu*	c	4.0	8.7	0.3	0.02	0.0	0.00
23	c	c *Nbst* rr c r m	c *Nbst* 1 r m c	c	1.1	8.6	8.2	0.63	6.2	0.48
24	c	c *Ci Acu* f m	c *Ci Acu* m f	bc b ff x	4.3	8.6	11.3	0.87	9.8	0.75
25	ff x	ff x	f FF	o ff	1.2	8.6	4.9	0.37	3.9	0.30
26	o ff	f FF	FF	FF	4.6	8.5	13.3	1.00	13.3	1.00
27	FF	F c *Frst* m_o	c *Frst* r_o r	rr_o r	2.4	8.5	0.0	0.00	0.0	0.00
28	rr_o c rr_o	rr_o c 1 r_o	c 1 r_o c *Ci Frst* b	b c 1 r	0.0	8.4	3.9	0.30	3.1	0.24
29	r c p c	c b *Frcu* bc *Cu*	c *Nbst* r c m	c m b	4.7	8.4	8.1	0.61	7.7	0.58
30	b c	c *Ast Acu*	c b *Ci Acu*	b c	1.3	8.3	3.8	0.29	3.8	0.29
Means	-	-	-	-	2.4	9.0	5.7	0.45	5.2	0.41

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

THE ROYAL OBSERVATORY, GREENWICH

Month and Day 1950	Eye Readings made at 0900 hours						Degree of Humidity (Saturation = 100)	Temperature of Radiation		Rainfall (Thrown back)	Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
	Barometer Corrected and Reduced to 32° Fahrenheit	Temperature of the Air						Highest in Sun's Rays (Thrown back)	Lowest on the Grass				Polaris		δ Ursæ Minoris	
		Highest (Thrown back)	Lowest	Daily Range	Dry Bulb	Wet Bulb							Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
	in.	°	°	°	°	°		°	°	in.	hours	hours	hours		hours	
Dec. 1	29.229	52.1	45.0	7.1	50.3	49.5	94	52.0	40.6	0.420	0.0	8.2	8.8	0.65	7.7	0.57
2	29.519	43.0	38.2	4.8	39.0	36.5	77	53.0	32.1	0.000	0.0	8.2	1.8	0.13	1.0	0.07
3	29.401	34.9	32.0	2.9	32.4	30.6	81	41.0	28.0	0.000	0.0	8.2	10.7	0.78	10.0	0.72
4	29.556	35.1	30.8	4.3	33.2	31.5	83	44.6	24.4	0.059	0.5	8.1	8.4	0.61	7.3	0.53
5	29.736	33.4	26.1	7.3	29.1	28.4	92	46.8	26.7	0.000	0.0	8.1	13.8	1.00	13.8	1.00
6	29.846	42.0	23.6	18.4	28.4	27.8	93	46.6	15.5	0.109	0.1	8.1	6.2	0.45	3.9	0.28
7	29.314	44.9	27.6	17.3	42.0	41.2	93	51.6	26.7	0.055	0.0	8.0	0.0	0.00	0.0	0.00
8	29.796	44.1	41.6	2.5	43.3	41.5	85	49.0	36.9	0.000	0.0	8.0	1.3	0.09	1.1	0.08
9	30.007	48.9	36.8	12.1	39.6	38.8	93	52.0	27.0	0.020	0.0	8.0	2.7	0.19	1.7	0.12
10	29.701	49.2	39.6	9.6	48.9	47.6	90	50.8	31.8	0.200	0.0	8.0	5.3	0.38	5.0	0.36
11	29.310	41.2	34.6	6.6	35.6	34.8	92	53.6	28.7	0.000	3.8	7.9	5.6	0.41	2.5	0.18
12	29.465	37.3	34.3	3.0	34.3	32.8	84	47.8	24.6	0.000	2.1	7.9	10.2	0.74	4.3	0.32
13	29.450	36.0	25.6	10.4	28.6	28.4	97	45.7	17.2	0.004	0.1	7.9	6.9	0.50	5.4	0.39
14	29.255	37.9	28.6	9.3	35.4	33.4	80	57.4	24.0	0.061	1.3	7.9	3.2	0.23	1.3	0.09
15	29.213	32.4	28.3	4.1	28.3	27.1	85	31.7	25.8	0.000	0.0	7.9	10.7	0.78	9.4	0.68
16	29.506	35.5	27.3	8.2	28.4	27.7	92	44.0	21.4	0.100	0.0	7.8	5.7	0.41	3.7	0.27
17	29.489	37.6	28.2	9.4	35.5	33.7	82	40.7	23.2	0.044	0.0	7.8	0.3	0.02	0.2	0.01
18	29.672	38.0	34.0	4.0	34.8	33.5	86	41.7	31.0	0.160	0.0	7.8	0.0	0.00	0.0	0.00
19	29.793	40.2	33.1	7.1	38.0	37.5	95	40.0	32.0	0.000	0.0	7.8	0.0	0.00	0.0	0.00
20	29.903	36.7	36.2	0.5	36.2	35.3	91	41.6	35.4	0.000	0.0	7.8	5.3	0.38	4.3	0.30
21	29.764	35.4	25.4	10.0	26.0	25.8	97	50.3	17.4	0.000	1.0	7.8	2.1	0.15	1.5	0.11
22	29.409	35.7	25.4	10.3	29.2	28.2	88	35.4	20.7	0.000	0.0	7.8	0.0	0.00	0.0	0.00
23	29.560	36.0	28.8	7.2	35.7	33.5	78	35.6	28.7	0.000	0.0	7.8	0.4	0.03	0.1	0.01
24	29.772	36.4	34.4	2.0	35.2	33.2	80	39.0	31.0	0.008	0.0	7.8	0.0	0.00	0.0	0.00
25	29.902	38.7	34.6	4.1	36.1	34.7	86	50.0	30.1	0.007	0.0	7.8	0.9	0.07	0.4	0.03
26	29.950	36.8	33.6	3.2	33.6	32.8	92	40.0	29.7	0.000	0.0	7.8	1.4	0.10	0.3	0.02
27	29.904	34.7	33.6	1.1	34.1	31.7	76	37.2	29.6	0.043	0.0	7.9	0.0	0.00	0.0	0.00
28	29.926	34.3	32.4	1.9	32.4	30.0	74	46.6	31.2	0.000	1.0	7.9	7.1	0.51	5.8	0.41
29	29.926	34.5	29.7	4.8	33.0	31.8	86	41.0	24.2	0.000	0.0	7.9	5.0	0.36	4.6	0.33
30	29.658	37.0	26.0	11.0	28.0	26.5	81	45.6	17.2	0.009	1.3	7.9	4.6	0.33	2.6	0.19
31	29.346	38.8	27.7	11.1	32.2	31.7	95	43.6	24.9	0.194	0.0	7.9	7.2	0.52	5.2	0.38
Means	29.622	38.7	31.7	7.0	34.7	33.5	87.0	45.0	27.0	Sum 1.493	0.4	7.9	4.4	0.32	3.3	0.24

TABLE XVII. - DAILY RESULTS OF THE METEOROLOGICAL OBSERVATIONS

Month and Day 1950	THE ROYAL OBSERVATORY, GREENWICH				THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX					
	Clouds and Weather				Daily Duration of Sunshine	Sun above Horizon	Record of the Night Sky			
							Polaris		δ Ursæ Minoris	
	0^h to 6^h	6^h to 12^h	12^h to 18^h	18^h to 24^h			Duration	Fraction of total Exposure	Duration	Fraction of total Exposure
					hours	hours	hours		hours	
Dec. 1	c r c	r R r	r c *Nbst* 1 d c	c b c b	0.0	8.3	9.0	0.68	7.8	0.59
2	b c	c *Ast* m	c *Ast* m	c m b c	0.0	8.3	2.4	0.18	1.7	0.12
3	c	c *Ci Frst* m f	c *Nbst* 1 s_o	c bc b	1.0	8.2	13.0	0.96	12.6	0.93
4	b x f	c x f c b *Frcu* m	b c *Nbst* s c	c b c	5.0	8.2	9.2	0.68	8.9	0.66
5	c b m	b *Frst* c *Acu* m	c *Acu* b m	b m x	4.2	8.2	13.5	1.00	13.5	1.00
6	b x m	b c *Acu Stcu* m	c *Stcu* b *Acu* m	b c m	3.1	8.1	5.2	0.38	4.3	0.32
7	c r r_o m_o	c r_o 1 r bc *Frcu* m	bc *Frcu* m	c m	0.6	8.1	3.1	0.23	2.5	0.18
8	c m	c *Acu* m	c *Stcu* m	c m	1.7	8.1	2.1	0.15	1.6	0.12
9	c b c m x	b c *Stcu* m f	c r_o c ff	c ff	0.4	8.1	3.9	0.29	2.1	0.16
10	c b c	c r_o c *Nbst* 1 r	c *Nbst* 1 r	rr c	0.0	8.1	4.2	0.31	4.1	0.30
11	c b x f	b f b *Acu*	b *Frcu* c *Stcu* b	b c r_o c	6.2	8.0	9.3	0.69	9.3	0.69
12	c m x	b x bc *Stcu* m	bc *Ci Frcu* m	ff	6.2	8.0	13.1	0.97	11.7	0.87
13	ff b x c	o *St* s_o b c ff	c b f m	b c m f	3.0	8.0	..	..	..	..
14	c b x m	b c m b c *Ast*	c *Ast* f c rs s	s bc c m	0.0	8.0	3.5	0.26	3.2	0.24
15	c ss c m	c *Nbst* 1 s_o	c *Nbst* b	b c	0.0	8.0	12.6	0.93	11.7	0.87
16	c b	b bc f b *Ci*	b	b c	3.2	8.0	0.0	0.00	0.0	0.00
17	c 1 s	1 s c *Nbst*	c *Nbst* ss c rs c	c r c	0.0	8.0	3.7	0.27	2.4	0.18
18	c	c *St* m f	c *Nbst* rs ss c m	c m	0.0	8.0	0.4	0.03	0.1	0.01
19	c m f	o *St* ff	o *St* ff	o ff o	0.0	8.0	0.0	0.00	0.0	0.00
20	o m_o	o *St* m_o	o *St* m_o	o c m_o	0.0	7.9	5.3	0.38	4.0	0.29
21	c b x f	b *Acu* f c *Stcu* m	c *Stcu* m	c bc c m_o	0.0	7.9	0.0	0.00	0.0	0.00
22	bc c m_o	c o *St* s_o o m	o c m	c m m_o	0.0	7.9	6.3	0.46	4.8	0.35
23	c m m_o	c *Stcu* m m_o	c *Stcu* m m_o	c m m_o	0.0	7.9	3.0	0.22	2.6	0.19
24	c m	c *Nbst* d c m	c *Stcu* m	c m	5.2	7.9	0.5	0.04	0.2	0.01
25	c dd c m	c *Nbst* r c *Stcu* m	c *Stcu* bc m	c m_o	0.4	7.9	2.9	0.21	2.1	0.15
26	c m_o	c *Stcu* m_o	c m_o	c 1 s_o c m_o	1.0	8.0	0.4	0.03	0.4	0.03
27	c m_o	c *Nbst* 1 s_o m_o	c *Nbst* s_o 1 s m_o	rs c m_o	0.0	8.0	0.0	0.00	0.0	0.00
28	c $s_o s_o$ m_o	s_o c *Stcu* m_o	c b *Stcu* m_o	b bc c m_o	0.2	8.0	12.6	0.92	11.2	0.82
29	c m x	c *Stcu* m x	c *Stcu* m	c bc m	0.0	8.0	5.5	0.40	1.7	0.12
30	b c m	c *Acu* m	bc *Acu* m	bc c	0.0	8.0	6.3	0.47	3.0	0.22
31	c s m_o	c s_o c *Nbst* m_o	c *Nbst* m bc f	bc f c r_o	0.0	8.0	3.7	0.27	3.2	0.24
Means	-	-	-	-	1.3	8.0	5.2	0.38	4.4	0.32

TABLE XVIII(A). - HIGHEST AND LOWEST READINGS OF THE BAROMETER, REDUCED TO 32° FAHRENHEIT, AS EXTRACTED FROM THE GREENWICH PHOTOGRAPHIC RECORDS

MAXIMA		MINIMA		MAXIMA		MINIMA	
U.T., 1950.	Reading	U.T., 1950.	Reading	U.T., 1950.	Reading	U.T., 1950.	Reading
d. h. m.	in.	d. h. m.	in.	d. h. m.	in.	d. h. m.	in.
January		January		March		March	
1. 10. 45	30.301	5. 19. 15	29.375	19. 23. 0	29.754	20. 15. 35	29.550
7. 23. 30	29.819	9. 8. 5	29.720	25. 0. 30	30.224	26. 17. 5	29.977
12. 9. 40	30.418	13. 14. 25	30.102	27. 23. 40	30.165	29. 16. 35	29.888
14. 12. 0	30.201	16. 20. 20	29.682	30. 20. 30	30.015		
18. 22. 20	30.347	25. 14. 50	29.898				
27. 11. 5	30.111	31. 6. 35	29.464				
				April		April	
February		February				2. 14. 0	28.984
				4. 0. 25	29.599	4. 15. 35	29.485
1. 7. 40	29.600	1. 20. 20	29.308	6. 23. 50	29.909	9. 1. 5	29.363
2. 9. 45	29.609	3. 8. 45	29.165	10. 0. 45	29.657	10. 15. 45	29.203
4. 1. 0	29.518	5. 1. 35	29.201	11. 19. 30	29.396	12. 15. 30	29.300
5. 8. 10	29.366	6. 2. 0	28.807	16. 9. 0	29.884	18. 9. 0	29.177
7. 7. 45	29.830	8. 9. 0	29.455	22. 9. 0	30.034	24. 8. 0	29.322
9. 0. 50	29.720	11. 16. 50	29.039	24. 23. 0	29.474	26. 2. 50	29.155
12. 10. 35	29.399	13. 5. 55	28.872	30. 7. 20	29.980		
14. 19. 50	29.732	15. 3. 10	29.630				
16. 19. 45	30.118	20. 8. 25	29.176				
22. 9. 30	30.127	25. 6. 15	29.114				
27. 21. 10	29.988	28. 15. 5	29.853	May		May	
						2. 16. 20	29.827
March		March		5. 0. 10	30.052	6. 13. 15	29.834
				7. 21. 20	29.983	8. 19. 50	29.847
2. 8. 50	30.129	3. 3. 45	30.024	12. 2. 0	30.073	13. 18. 50	29.916
6. 11. 25	30.436	9. 18. 0	29.869	15. 9. 30	30.008	18. 6. 0	29.463
10. 18. 25	30.085	12. 2. 50	29.692	19. 13. 0	29.600	20. 3. 40	29.409
13. 21. 35	29.833	16. 3. 15	29.415	20. 23. 10	29.654	21. 17. 15	29.510
16. 17. 20	29.542	17. 3. 40	29.432	24. 19. 0	29.951	27. 21. 10	29.590
17. 21. 45	29.645	19. 3. 25	29.275	30. 0. 20	30.090		

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.

TABLE XVIII(B). - HIGHEST AND LOWEST MONTHLY READINGS OF THE BAROMETER AT GREENWICH

	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	30.418	30.127	30.436	30.034	30.090	-	-	-	-	-	-	-
Lowest	29.375	28.807	29.275	28.984	29.409	-	-	-	-	-	-	-
Range	1.043	1.320	1.161	1.050	0.681	-	-	-	-	-	-	-

TABLE XIX. - MONTHLY SUMMARY OF GREENWICH METEOROLOGICAL OBSERVATIONS

MONTH 1950	Mean Reading of the Barometer	TEMPERATURE OF THE AIR								Mean Temperature of Evaporation	Mean Temperature of Dew Point	Mean Degree of Humidity (Saturation = 100)
		Highest	Lowest	Range in the Month	Mean of all the Highest	Mean of all the Lowest	Mean of the Daily Ranges	Monthly Mean	Excess of Mean above the Average of 65 Years			
	in.	°	°	°	°	°	°	°	°	°	°	
January	29.985	53.5	22.5	31.0	44.4	36.7	7.7	40.7	+2.1	38.8	36.1	83.1
February	29.556	62.0	26.1	35.9	50.1	38.0	12.1	44.1	+4.5	41.5	37.9	78.9
March	29.937	64.7	23.8	40.9	54.5	40.3	14.1	46.8	+4.9	43.1	38.0	71.1
April	29.606	66.0	33.1	32.9	55.2	40.5	14.7	47.2	−0.1	42.9	37.0	68.0
May	29.865	75.3	38.8	36.5	62.2	46.5	15.8	53.8	+0.8	49.4	44.7	71.8

MONTH 1950	Mean Elastic Force of Vapour	Mean Temperature of the Earth 4 feet below the Surface of the Soil	Mean Amount of Cloud (0-8)	RAIN		WIND										
				Number of Rainy Days (0.005 in. or over)	Amount collected in Gauge No.6, whose receiving surface is 5 inches above the Ground	From Osler's Anemometer: Number of Hours of Prevalence of each Wind referred to different Points of Azimuth								Number of Calm or Nearly Calm Hours	Mean Daily Pressure on the Square Foot	From Robinson's Anemometer: Mean Daily Horizontal Movement of the Air
						N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
	in.	°			in.	h	h	h	h	h	h	h	h	h	lbs.	miles
January	0.213	46.3	6.2	10	1.065	46	124	75	28	43	192	70	40	126	0.31	258
February	0.228	44.5	6.0	21	3.339	48	6	2	24	180	277	53	31	51	1.00	363
March	0.229	45.6	5.1	9	0.743	66	55	39	18	134	140	72	56	164	0.44	250
April	0.220	47.3	5.6	18	2.511	84	37	10	11	51	175	133	103	116	0.71	299
May	0.297	50.5	5.1	12	1.406	63	215	94	5	31	118	37	37	144	0.32	230

GREENWICH MONTHLY MEAN VALUES AT EVERY HOUR OF THE DAY

Hour, Universal Time	TABLE XX. ATMOSPHERIC PRESSURE					TABLE XXI. TEMPERATURE OF THE AIR				
	January	February	March	April	May	January	February	March	April	May
	in.	in.	in.	in.	in.	°	°	°	°	°
0^h	29.998	29.550	29.939	29.610	29.876	40.0	42.7	43.5	44.3	49.7
1	29.993	29.549	29.933	29.602	29.871	40.0	42.6	43.3	43.6	49.0
2	29.992	29.549	29.928	29.600	29.867	39.8	42.3	43.1	42.9	48.3
3	29.989	29.546	29.922	29.595	29.861	39.6	42.0	42.7	42.3	47.7
4	29.984	29.548	29.920	29.594	29.857	39.5	42.0	42.5	41.9	47.2
5	29.981	29.550	29.923	29.598	29.859	39.6	41.8	42.4	41.4	47.2
6	29.981	29.554	29.930	29.607	29.863	39.6	41.7	41.9	41.8	48.6
7	29.983	29.560	29.941	29.614	29.867	39.6	41.4	42.3	43.2	50.4
8	29.988	29.567	29.949	29.617	29.871	39.8	41.7	43.5	45.2	52.2
9	29.996	29.572	29.955	29.618	29.872	40.0	42.8	46.1	47.5	54.1
10	30.000	29.575	29.957	29.617	29.870	40.7	44.5	48.2	49.5	46.1
11	29.998	29.577	29.954	29.613	29.867	41.7	46.1	50.2	50.4	57.7
12	29.990	29.570	29.950	29.606	29.863	42.5	47.4	51.7	51.8	59.1
13	29.981	29.563	29.942	29.601	29.860	43.1	48.1	52.7	52.7	59.8
14	29.976	29.551	29.932	29.593	29.857	43.2	48.1	53.0	53.4	60.2
15	29.975	29.547	29.925	29.589	29.854	42.8	47.7	52.9	53.3	60.2
16	29.976	29.545	29.922	29.589	29.852	42.2	46.6	52.3	52.6	59.9
17	29.979	29.545	29.924	29.594	29.852	41.5	45.6	51.1	51.5	59.1
18	29.979	29.550	29.932	29.601	29.853	41.2	44.8	49.5	50.2	57.9
19	29.979	29.551	29.940	29.610	29.858	40.8	44.4	48.1	48.5	56.3
20	29.979	29.554	29.942	29.618	29.866	40.5	44.0	47.0	47.3	54.7
21	29.977	29.557	29.941	29.617	29.874	40.2	43.7	46.0	46.3	53.2
22	29.977	29.561	29.939	29.618	29.878	40.0	43.3	45.3	45.5	52.1
23	29.978	29.564	29.937	29.616	29.880	39.8	42.8	44.7	44.8	51.0
24	29.975	29.566	29.933	29.613	29.880	39.8	42.5	44.2	44.2	49.9
Means 0^h-23^h	29.985	29.556	29.937	29.606	29.865	40.7	44.1	46.8	47.2	53.8
Means 1^h-24^h	29.984	29.557	29.936	29.606	29.865	40.7	44.1	46.8	47.2	53.8
No. of Days Employed	31	28	31	30	31	31	28	31	30	31

Hour. Universal Time	TABLE XXII. TEMPERATURE OF EVAPORATION					TABLE XXIII. TEMPERATURE OF THE DEW POINT					TABLE XXIV. DEGREE OF HUMIDITY				
	January	February	March	April	May	January	February	March	April	May	January	February	March	April	May
	°	°	°	°	°	°	°	°	°	°					
0^h	38.3	40.6	41.1	41.4	46.8	35.9	37.6	37.7	37.4	43.4	85	82	80	76	79
1	38.3	40.6	41.0	40.9	46.4	35.9	37.7	37.7	37.1	43.4	85	83	81	78	81
2	38.0	40.4	40.8	40.6	46.1	35.4	37.7	37.5	37.2	43.6	86	84	81	80	83
3	37.9	40.3	40.4	40.1	45.6	35.4	37.9	37.0	36.9	43.2	85	85	80	81	84
4	37.9	40.1	40.3	39.8	45.3	35.6	37.4	37.1	36.8	43.1	86	84	81	82	85
5	38.0	39.9	40.2	39.3	45.4	35.7	37.2	37.0	36.2	43.3	86	83	81	82	86
6	38.0	39.5	39.8	39.5	46.4	35.7	36.3	36.8	36.1	43.9	86	81	82	80	83
7	38.1	39.2	40.0	40.6	47.5	36.0	36.0	36.6	36.9	44.3	86	81	80	79	80
8	38.2	39.5	41.1	42.0	48.6	36.0	36.3	37.7	37.5	44.7	86	81	80	75	75
9	38.7	40.6	43.1	43.3	49.9	36.9	37.3	39.2	37.8	45.5	88	81	77	69	73
10	39.1	41.8	44.3	44.3	50.9	36.9	38.0	39.3	37.5	45.5	86	78	71	64	68
11	39.7	42.7	45.4	44.7	52.0	36.8	38.2	39.5	37.1	46.3	83	74	66	61	66
12	40.1	43.5	46.1	45.3	52.6	36.5	38.4	39.1	36.9	46.2	79	71	62	56	62
13	40.5	44.0	46.4	45.5	53.1	36.7	38.7	38.9	36.0	46.6	79	70	58	53	61
14	40.5	44.1	46.6	46.1	53.2	36.5	39.0	38.7	36.7	46.3	78	70	58	53	60
15	40.2	43.8	46.5	46.2	53.0	36.4	38.8	38.9	37.2	45.8	78	71	58	54	59
16	39.8	43.1	46.3	45.6	52.7	36.2	38.6	38.8	36.6	45.3	79	73	60	54	59
17	39.4	42.6	45.5	45.3	52.4	36.3	38.6	38.3	37.3	45.7	82	77	62	59	61
18	39.1	42.0	44.5	44.6	51.7	36.0	38.2	38.1	37.1	45.5	82	77	65	61	63
19	38.9	41.7	43.8	43.8	50.7	36.2	38.0	38.2	37.6	44.9	83	78	69	66	65
20	38.7	41.6	43.4	43.2	49.9	36.1	38.3	38.8	37.8	44.9	84	80	73	69	69
21	38.5	41.5	42.9	42.7	49.2	36.1	38.5	38.8	37.9	45.0	85	82	76	72	74
22	38.3	41.1	42.4	42.2	48.4	35.9	38.0	38.5	37.7	44.4	85	82	77	74	75
23	38.2	40.6	42.0	41.7	47.6	36.0	37.5	38.3	37.3	43.7	86	82	78	75	77
24	38.2	40.4	41.7	41.4	47.0	36.0	37.4	38.3	37.5	43.6	86	82	80	77	79
Means 0^h-23^h	38.8	41.5	43.1	42.9	49.4	36.1	37.8	38.2	37.1	44.8	84	79	72	69	72
Means 1^h-24^h	38.8	41.5	43.1	42.9	49.4	36.1	37.8	38.2	37.1	44.8	84	79	72	69	72
No. of Days Employed	31	28	31	30	31										

TABLE XXV(A). - TOTAL AMOUNT OF SUNSHINE REGISTERED AT THE ROYAL OBSERVATORY, GREENWICH, IN EACH HOUR OF THE DAY IN EACH MONTH FOR THE YEAR 1950

MONTH 1950	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		o
January						0.6	4.0	4.5	4.3	3.4	1.6						18.4	260.7	0.071	18
February				1.4	6.6	8.7	8.1	7.3	7.1	6.2	4.9	2.8	0.4				53.5	278.5	0.192	26
March			0.5	4.3	9.4	11.2	11.7	11.3	12.9	10.8	10.8	9.3	4.5	0.3			97.0	367.5	0.264	37
April		0.2	4.0	7.1	10.7	10.7	9.7	10.6	10.9	12.0	11.3	10.3	7.8	3.6	0.6		109.5	415.1	0.264	48
May	0.2	4.9	7.0	9.3	9.6	10.6	12.7	13.5	12.8	13.0	13.1	12.9	12.6	11.3	7.7	0.2	151.4	483.5	0.313	57
June	2.9	11.0	16.1	16.8	17.9	15.4	18.3	17.9	18.7	16.4	18.9	19.9	18.6	15.2	13.0	2.9	239.8	496.2	0.483	62
July	1.6	9.9	12.5	13.6	13.1	12.3	14.0	11.1	11.4	12.2	11.4	11.1	12.4	11.6	7.3	1.0	166.5	500.1	0.333	60
August		5.2	10.4	12.2	12.6	10.8	14.0	12.1	13.1	13.5	12.2	12.5	11.6	9.9	4.7		154.8	452.6	0.342	52
September			3.6	6.7	9.6	9.6	10.3	10.2	9.7	9.5	9.3	10.8	8.9	3.9	0.0		102.1	380.5	0.268	41
October				3.2	10.2	11.0	10.2	11.7	10.8	10.7	9.4	6.1	1.6				84.9	332.2	0.256	30
November					1.3	5.9	8.7	7.4	5.6	3.2	1.9	0.6					34.6	267.7	0.129	20
December						1.2	3.2	1.7	3.4	1.5	0.2						11.2	245.7	0.046	16
For the Year	4.7	31.1	54.1	74.6	101.0	108.0	124.9	119.3	120.7	112.4	105.0	96.3	78.4	55.8	33.3	4.1	1223.7	4480.3	0.273	..

The hours are reckoned from "Apparent" midnight.

TABLE XXV(B). - TOTAL AMOUNT OF SUNSHINE REGISTERED AT THE ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX, IN EACH HOUR OF THE DAY IN EACH MONTH FOR THE YEAR 1950

MONTH 1950	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		o
July	2.4	9.5	12.8	13.0	13.7	16.5	14.5	14.7	17.4	16.8	16.7	18.4	18.6	18.8	14.6	3.6	222.0	496.8	0.447	60
August		4.2	10.4	12.4	16.3	15.3	16.1	16.1	18.7	16.4	14.7	14.5	16.1	13.3	6.0		190.5	451.1	0.422	53
September			3.1	7.0	7.0	11.0	13.5	13.7	13.8	14.2	12.8	11.7	10.2	5.1	0.2		123.3	380.2	0.324	42
October				4.4	11.8	12.4	14.9	15.2	17.3	15.7	15.2	12.1	4.9				123.9	333.1	0.372	30
November				0.2	4.1	9.1	10.4	9.3	13.2	11.6	9.1	4.7	0.2				71.9	270.0	0.266	21
December					0.7	4.8	6.7	9.0	6.9	6.1	5.7	1.5					41.4	249.1	0.166	16

The hours are reckoned from "Apparent" midnight.

TABLE XXVI. - READINGS OF THE THERMOMETERS IN THE STEVENSON SCREEN AT GREENWICH
(The readings of the maximum and minimum thermometers apply to the 24 hours ending 21^h)

Day of the Month	Dry-Bulb Thermometers, 4 ft. above the Ground						Wet-Bulb Thermometers, 4 ft. above the Ground			
	Maximum	Minimum	9^h	12^h	15^h	21^h	9^h	12^h	15^h	21^h
					January					
	°	°	°	°	°	°	°	°	°	°
1	39.8	31.9	35.7	37.4	36.0	32.2	35.1	35.9	34.0	31.5
2	52.4	32.2	44.5	49.0	52.2	50.9	43.3	47.3	49.8	49.2
3	52.8	50.3	51.1	52.1	51.8	50.3	50.2	50.2	50.7	49.3
4	50.4	48.0	49.1	49.7	49.1	48.0	47.1	46.7	45.7	44.8
5	52.8	44.2	45.6	50.5	51.6	46.0	44.8	47.0	46.6	42.0
6	49.0	38.8	42.9	48.1	48.6	47.1	40.3	43.0	44.0	44.1
7	52.3	46.7	49.3	51.8	50.7	46.8	47.6	49.9	49.6	45.0
8	49.9	42.3	42.9	47.6	49.6	43.5	41.9	45.7	46.8	42.5
9	49.0	40.6	41.4	46.1	48.3	44.7	41.2	44.7	46.2	44.2
10	52.6	43.4	46.5	49.4	51.3	52.6	45.8	47.7	47.8	50.7
11	53.5	51.3	51.5	53.3	52.7	52.0	50.7	51.7	51.7	50.6
12	52.5	40.2	42.4	43.5	44.4	40.2	41.4	42.6	43.5	39.1
13	50.0	38.6	47.3	48.2	49.6	48.0	46.2	46.9	47.9	46.8
14	49.7	44.9	47.8	46.6	49.2	49.7	46.9	45.7	46.7	48.7
15	51.5	47.2	49.3	51.3	51.3	47.2	45.8	48.0	47.6	45.2
16	47.2	39.0	39.4	43.6	44.6	42.1	37.9	40.3	39.8	39.9
17	44.3	40.6	44.1	44.4	43.7	41.3	40.7	40.7	39.7	39.5
18	43.0	37.7	37.8	42.3	42.3	38.3	36.9	37.9	38.0	35.5
19	38.3	32.0	35.6	35.2	35.4	32.3	34.3	34.3	31.9	29.3
20	33.5	30.4	32.3	32.3	31.9	33.2	30.3	30.5	30.3	31.5
21	40.4	31.4	31.4	38.1	39.8	35.2	30.0	32.5	34.8	32.4
22	41.5	35.0	38.2	39.9	41.3	39.8	37.5	39.1	39.7	37.9
23	40.4	33.4	37.4	38.3	37.5	33.4	36.5	35.2	34.5	32.0
24	36.9	30.9	33.5	34.8	35.3	30.9	31.4	32.1	32.2	28.4
25	31.6	30.0	30.6	31.4	31.2	30.2	28.4	28.9	28.4	28.3
26	36.0	22.5	23.7	34.8	34.5	28.4	23.3	30.8	31.7	27.4
27	33.9	26.7	28.4	32.9	31.6	30.4	28.0	31.9	31.3	29.7
28	35.1	29.9	34.6	35.1	33.4	33.1	32.4	32.7	31.7	30.6
29	33.1	25.4	26.6	30.8	30.0	26.2	25.6	28.4	27.4	24.7
30	37.8	25.4	33.6	34.7	36.9	36.7	31.9	33.0	35.7	35.9
31	46.0	36.7	45.6	43.7	40.5	37.0	44.9	42.7	39.6	36.5
Means	44.4	37.0	40.0	42.5	42.8	40.2	38.7	40.1	40.2	38.5
					February					
	°	°	°	°	°	°	°	°	°	°
1	47.2	31.5	32.6	42.6	42.9	47.2	32.3	40.5	41.9	45.8
2	47.4	35.7	37.8	45.6	46.2	45.6	37.1	44.5	45.4	44.0
3	52.0	45.6	50.7	51.3	50.6	45.9	47.6	48.2	46.6	43.3
4	50.8	43.6	45.1	48.5	50.0	47.7	43.4	45.3	45.5	46.2
5	47.7	38.4	40.4	45.5	42.6	45.7	37.2	41.3	39.6	45.0
6	46.1	38.6	38.9	40.3	43.6	41.0	37.8	39.2	40.1	38.2
7	47.7	34.3	38.3	44.6	47.6	47.7	36.7	41.6	44.2	46.4
8	47.7	36.8	41.0	43.5	40.7	36.8	38.2	38.8	37.3	34.2
9	49.7	34.1	36.2	39.6	44.7	49.7	35.5	39.2	43.7	48.4
10	53.4	47.5	52.8	53.0	51.6	47.5	49.7	50.8	50.5	42.3
11	48.0	40.5	44.5	46.4	42.0	40.8	40.6	40.6	38.7	38.0
12	47.4	39.8	41.8	46.0	44.5	46.6	39.2	41.7	43.0	45.5
13	46.8	36.6	43.9	41.1	40.4	38.0	40.7	39.7	39.4	35.4
14	47.8	34.6	36.4	44.3	45.6	41.7	34.2	39.7	41.4	39.2
15	55.7	41.7	51.5	54.4	52.4	51.5	48.9	50.5	50.1	48.6
16	53.8	47.8	52.3	53.6	53.5	47.8	48.2	48.8	48.5	45.4
17	62.0	45.8	49.7	58.0	61.6	53.0	46.7	50.2	51.6	47.2
18	60.8	47.6	51.0	56.6	60.4	50.5	48.7	51.5	51.1	46.5
19	53.5	43.8	46.6	53.0	52.3	46.4	45.1	47.7	48.8	45.1
20	51.1	46.4	50.3	50.3	50.8	48.3	48.2	46.3	47.0	44.7
21	48.7	40.6	41.7	46.8	46.7	40.6	38.9	42.4	41.8	38.1
22	49.8	30.5	37.2	47.6	47.5	38.8	36.1	43.1	42.7	37.3
23	50.7	35.4	41.4	49.1	50.4	45.0	39.3	42.9	44.2	44.0
24	54.3	45.0	49.0	52.0	52.6	48.3	47.9	49.4	49.7	46.9
25	51.5	36.0	45.1	50.8	45.0	36.0	42.7	45.3	42.0	33.3
26	42.2	29.9	34.5	38.8	39.4	36.3	31.5	36.2	36.6	35.3
27	45.0	30.6	32.0	38.7	43.3	30.6	32.0	35.1	37.2	28.9
28	47.0	26.1	34.5	43.9	45.6	30.0	32.1	37.7	38.6	27.9
Means	50.2	38.7	42.8	47.4	47.7	43.7	40.6	43.5	43.8	41.5

TABLE XXVI. - READINGS OF THE THERMOMETERS IN THE STEVENSON SCREEN AT GREENWICH
(The readings of the maximum and minimum thermometers apply to the 24 hours ending 21^h)

Day of the Month	Dry-Bulb Thermometers, 4 ft. above the Ground						Wet-Bulb Thermometers, 4 ft. above the Ground			
	Maximum	Minimum	9^h	12^h	15^h	21^h	9^h	12^h	15^h	21^h
					March					
1	46.8°	23.8°	34.2°	43.4°	46.4°	34.5°	31.6°	35.8°	37.4°	32.0°
2	48.3	29.6	41.7	47.8	45.3	42.7	36.5	41.6	38.6	37.0
3	50.0	42.7	46.3	49.2	48.0	47.7	43.3	45.5	46.4	46.7
4	53.0	43.3	46.7	51.4	52.7	49.0	41.1	44.9	46.4	45.0
5	56.1	42.1	47.0	51.6	55.6	46.8	44.8	47.7	50.8	44.4
6	59.4	43.9	49.3	54.9	58.4	44.0	46.2	49.7	51.7	42.0
7	63.9	37.0	39.7	52.7	63.9	48.6	39.6	48.9	55.0	45.6
8	64.7	37.5	47.0	59.4	64.2	48.8	43.9	50.4	52.2	46.0
9	55.3	40.7	41.3	50.3	54.5	50.5	40.7	46.3	49.4	46.1
10	50.5	41.1	44.6	43.9	43.0	41.1	41.6	40.1	38.9	37.5
11	51.2	40.8	43.9	46.5	50.2	45.9	39.5	41.1	43.2	40.5
12	48.5	38.2	40.2	47.0	48.2	38.2	37.2	40.0	39.7	34.8
13	46.9	31.1	38.9	46.1	44.6	39.6	35.5	38.2	38.4	35.2
14	49.6	36.6	40.9	49.3	46.7	41.2	35.7	41.7	41.5	40.2
15	59.9	40.7	49.2	56.1	58.8	49.8	47.9	50.4	50.0	45.1
16	58.8	49.6	52.5	58.4	54.8	53.2	49.3	51.8	49.4	48.2
17	56.0	46.6	52.0	53.6	51.5	46.6	49.4	50.3	47.7	43.6
18	60.9	46.6	52.9	60.1	57.3	51.2	48.7	50.5	48.8	49.0
19	58.0	44.9	49.0	53.6	56.0	47.6	45.0	47.4	48.0	44.1
20	57.2	45.6	49.1	51.5	55.5	48.7	48.0	49.9	50.5	46.7
21	56.1	44.7	49.6	54.8	54.4	48.2	47.3	50.4	51.7	46.2
22	60.7	39.6	48.5	59.5	54.9	50.5	46.6	53.7	49.4	48.7
23	56.9	50.5	53.3	55.8	56.2	52.9	52.2	53.8	53.8	51.7
24	60.0	45.1	51.9	55.6	58.8	50.0	47.7	48.7	50.2	46.2
25	57.7	40.1	51.5	57.1	55.7	42.3	47.7	49.1	49.2	40.0
26	51.0	42.0	45.0	48.0	50.4	44.8	41.8	43.9	45.3	42.6
27	58.5	38.1	46.1	56.5	56.9	44.8	44.5	49.2	47.9	42.2
28	46.9	41.6	43.1	44.4	46.6	41.6	40.6	40.8	40.0	38.7
29	50.7	39.1	42.3	49.2	48.8	42.5	38.6	41.5	43.1	39.5
30	50.0	38.0	43.3	47.1	49.4	43.2	39.5	41.3	41.9	39.4
31	51.0	40.6	47.8	49.4	51.0	48.4	43.2	44.2	44.4	44.2
Means	54.7	40.7	46.1	51.7	52.9	46.0	43.1	46.1	46.5	42.9
					April					
1	58.0°	46.8°	52.8°	55.5°	57.0°	53.5°	48.1°	48.8°	49.5°	48.7°
2	53.7	44.2	49.2	49.3	45.4	47.0	43.2	43.3	41.7	41.7
3	51.0	43.8	46.5	48.6	49.4	45.8	41.2	42.4	41.6	40.5
4	51.0	35.2	43.3	49.0	50.5	47.8	40.8	43.7	45.7	43.5
5	53.0	38.2	47.4	49.7	52.5	48.0	42.0	42.2	43.5	43.5
6	63.5	39.7	51.6	60.3	63.1	46.5	46.6	50.5	52.7	43.3
7	64.0	41.0	56.2	61.6	63.2	49.5	47.2	49.5	50.8	45.2
8	62.0	46.2	56.1	58.6	58.3	52.2	51.7	51.6	49.8	48.2
9	54.7	43.5	48.4	51.8	51.2	43.5	41.4	42.9	42.8	40.5
10	52.3	40.7	45.2	48.9	51.0	43.4	40.9	45.5	49.3	37.7
11	53.1	38.0	46.7	50.1	51.7	44.6	41.2	43.1	43.7	40.5
12	53.0	38.3	45.1	50.0	53.0	40.6	40.5	42.4	43.7	37.4
13	53.8	36.3	42.6	47.6	51.4	39.2	40.0	42.0	43.4	37.8
14	49.5	36.0	42.6	48.4	49.4	39.8	40.4	42.5	43.3	38.6
15	51.4	38.2	45.0	48.1	47.6	43.5	42.1	43.5	43.9	41.7
16	52.0	33.7	42.1	49.6	50.0	44.6	40.1	43.6	44.8	41.6
17	54.7	40.1	49.4	53.6	49.4	45.3	45.1	46.4	45.2	43.7
18	46.2	43.2	44.5	43.6	44.2	46.2	43.8	42.6	42.8	44.8
19	57.4	45.8	50.4	57.4	54.7	49.4	46.9	49.7	48.3	45.8
20	64.7	41.2	48.6	58.6	63.5	49.4	45.4	52.4	54.8	45.6
21	66.0	40.0	51.6	62.8	64.0	55.6	48.5	50.8	53.8	50.4
22	61.0	45.2	52.5	59.1	59.6	50.7	46.2	49.2	48.3	45.3
23	57.0	46.7	46.7	52.4	56.0	50.0	44.7	46.6	47.4	43.5
24	50.0	36.7	42.8	42.1	40.6	37.7	38.2	37.5	37.7	34.0
25	45.1	33.2	37.2	43.4	44.0	37.0	33.7	35.1	36.5	34.7
26	48.5	33.1	42.5	39.4	48.4	40.5	36.3	38.2	43.4	38.9
27	53.5	37.7	44.3	48.4	52.4	47.0	39.5	41.9	43.2	43.2
28	56.6	44.2	49.6	53.1	56.1	50.7	45.2	46.5	46.7	47.0
29	56.3	47.3	47.7	52.6	55.7	50.2	46.5	51.2	53.6	48.0
30	65.9	45.8	55.6	60.9	65.4	50.2	51.0	53.7	55.4	46.6
Means	55.3	40.7	47.5	51.8	53.3	46.3	43.3	45.3	46.2	42.7

TABLE XXVI. - READINGS OF THE THERMOMETERS IN THE STEVENSON SCREEN AT GREENWICH
(The readings of the maximum and minimum thermometers apply to the 24 hours ending 21^h)

Day of the Month	Dry-Bulb Thermometers, 4 ft. above the Ground						Wet-Bulb Thermometers, 4 ft. above the Ground			
	Maximum	Minimum	9^h	12^h	15^h	21^h	9^h	12^h	15^h	21^h
					May					
	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
1	70.5	41.5	60.6	68.1	66.6	53.0	53.7	56.7	56.9	49.8
2	60.8	46.1	53.4	55.8	53.2	52.2	49.4	50.4	50.5	46.6
3	59.4	45.1	53.7	55.1	57.3	50.0	48.3	48.7	49.3	47.4
4	52.2	45.6	46.4	51.5	49.8	46.6	45.4	47.5	45.6	43.0
5	53.9	38.8	46.4	51.6	53.0	48.0	44.7	47.2	48.2	45.6
6	52.7	45.0	45.0	49.0	51.7	50.3	44.4	47.7	49.2	49.0
7	62.9	46.0	51.2	61.6	59.0	51.0	49.5	55.1	53.0	48.2
8	53.4	47.6	48.6	50.7	52.3	52.8	47.8	50.0	51.5	52.0
9	65.1	48.9	53.6	63.6	63.8	53.2	52.1	56.9	56.2	50.8
10	70.2	50.4	52.4	67.5	69.6	57.4	51.2	59.9	57.3	50.7
11	68.6	49.2	62.4	67.0	67.5	58.3	54.8	55.9	56.8	51.3
12	71.7	50.8	62.2	70.3	70.5	58.8	54.9	59.3	56.8	49.8
13	70.9	44.7	54.9	65.6	70.8	55.2	49.9	57.2	60.3	51.2
14	62.2	43.1	51.4	60.0	59.0	51.2	47.4	52.2	51.6	46.2
15	54.6	46.2	48.2	51.0	53.8	46.8	42.9	44.8	46.1	40.6
16	51.0	44.0	48.0	49.2	50.8	47.2	42.3	43.3	45.1	42.8
17	55.0	41.7	48.5	52.3	53.1	45.8	43.5	45.2	46.8	41.8
18	56.3	41.1	51.0	55.2	53.8	48.2	47.3	48.2	48.2	45.7
19	62.2	43.2	55.8	57.9	61.2	53.2	50.7	51.9	53.3	48.7
20	64.4	48.8	59.5	60.3	58.4	56.2	56.9	56.7	55.9	53.6
21	73.9	47.2	55.1	65.0	70.5	63.0	54.1	62.4	64.2	59.0
22	69.5	53.6	60.4	64.6	68.8	56.7	52.7	53.6	55.6	50.7
23	69.5	46.3	64.3	69.1	66.1	55.0	55.2	56.5	54.5	51.0
24	55.0	48.7	50.5	52.4	52.7	50.0	57.6	49.1	49.0	47.0
25	52.0	47.0	47.0	48.0	50.5	52.0	45.6	47.0	50.0	51.0
26	56.2	49.0	50.7	52.7	54.4	50.7	49.6	50.7	51.4	48.7
27	61.6	48.0	54.2	59.5	59.5	50.8	51.6	52.1	52.0	48.0
28	64.6	47.8	55.0	57.5	63.9	56.6	47.2	48.6	52.9	50.3
29	66.0	48.1	58.5	61.1	64.0	58.3	52.5	54.2	56.0	53.3
30	75.3	50.6	61.4	69.3	75.3	64.2	56.4	60.3	61.9	57.2
31	69.3	53.9	65.7	69.3	64.8	56.0	58.8	60.4	57.8	53.4
Means	62.3	46.7	54.1	59.1	60.2	53.2	49.9	52.6	53.0	49.2

TABLE XXVII. - READINGS OF THERMOMETERS AT 9^h ON THE REVOLVING OPEN STAND (FORMERLY CALLED "ORDINARY") AT GREENWICH

1950	January		February		March		April		May		June		July		August		September		October		November		December	
Day	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
1	41.0	32.0	45.8	31.0	45.8	22.6	53.9	45.9	66.2	40.0	71.9	48.5	76.8	49.6	79.7	56.6	66.5	57.0	60.2	49.5	49.1	39.0	51.1	44.6
2	44.1	31.0	47.5	32.6	46.1	30.0	59.0	43.9	70.8	44.6	72.9	53.5	76.6	49.2	74.5	55.1	72.9	54.0	59.8	47.6	48.1	42.8	52.2	37.4
3	52.3	43.3	51.1	38.7	48.8	41.8	54.1	41.5	61.8	44.0	75.4	54.3	79.2	56.0	68.9	49.6	68.5	46.0	61.1	44.0	49.8	40.0	43.3	30.6
4	53.0	48.5	52.0	42.9	50.6	41.0	52.9	33.8	61.6	43.4	83.8	54.8	59.0	54.5	70.6	49.7	66.5	51.9	61.1	52.5	48.8	44.2	34.9	29.6
5	50.2	43.4	51.0	38.3	53.8	40.1	52.0	36.7	53.2	36.2	87.0	56.7	62.5	55.8	78.8	55.8	74.5	58.9	63.8	52.0	49.3	36.8	35.2	23.6
6	53.2	37.6	46.7	37.9	56.0	42.6	54.5	38.6	54.8	44.4	87.8	56.0	63.9	52.4	80.1	56.8	71.3	44.2	72.7	54.4	48.8	38.0	33.8	22.6
7	50.0	42.5	43.6	33.0	59.5	36.7	64.4	39.6	53.6	44.4	87.0	57.6	69.0	54.9	81.8	58.2	64.6	54.7	66.1	52.7	48.7	32.0	42.1	27.3
8	53.0	41.3	47.8	37.7	63.8	36.0	64.4	45.0	64.0	47.0	89.8	57.6	76.4	55.2	84.4	55.4	67.0	49.6	60.8	49.0	49.1	33.3	44.6	40.6
9	50.3	38.8	44.5	33.0	64.0	40.1	62.2	43.5	54.7	47.8	80.9	52.8	79.9	56.9	81.1	60.9	66.0	52.3	61.0	40.6	55.0	48.9	44.2	35.7
10	49.8	40.2	53.0	36.4	55.8	40.8	55.8	39.5	67.3	50.3	73.0	48.0	86.8	53.7	72.9	53.5	71.1	59.8	53.7	46.0	55.6	51.0	48.8	39.0
11	52.8	45.8	53.2	39.9	44.9	40.1	52.3	36.6	71.9	47.3	80.9	52.5	71.8	58.5	74.8	50.6	73.6	54.7	57.7	43.6	55.1	38.6	49.4	33.6
12	54.2	40.4	48.0	38.6	51.5	39.1	53.8	36.8	70.0	49.0	79.4	53.0	72.0	53.5	69.0	57.6	65.8	53.7	57.4	46.3	53.9	42.1	41.2	32.9
13	47.0	36.8	47.8	41.0	49.1	29.5	54.1	34.6	73.2	43.8	75.7	52.8	74.3	49.0	72.7	61.7	64.4	53.8	64.0	46.8	47.9	42.8	37.2	24.4
14	50.0	44.3	44.9	33.2	48.1	35.6	54.9	34.4	73.0	42.9	76.0	57.4	75.8	56.0	77.5	48.0	66.9	55.6	66.3	46.8	50.6	40.6	36.0	28.1
15	50.3	46.2	52.0	36.1	49.8	40.4	50.1	36.0	65.0	45.6	61.3	47.4	74.4	49.7	76.0	59.5	68.2	50.3	59.9	39.9	46.7	35.4	38.1	27.8
16	52.1	37.4	55.8	50.3	59.9	48.5	52.4	31.0	56.9	43.4	67.6	45.0	69.8	53.3	67.2	54.9	60.0	43.5	59.4	40.3	45.8	37.4	32.0	26.0
17	45.7	37.5	53.8	45.0	58.6	47.8	52.7	38.9	52.0	40.2	70.4	48.0	72.2	55.3	70.9	48.5	66.0	54.5	62.8	48.6	45.8	37.6	35.6	27.4
18	44.9	36.8	61.4	46.7	56.4	45.6	55.4	42.6	57.1	38.8	69.9	53.8	71.6	57.7	66.0	48.8	64.8	49.6	58.0	49.7	47.8	34.2	37.2	33.6
19	43.3	33.2	59.9	42.8	60.8	44.9	50.4	43.4	59.0	41.0	70.0	53.2	71.7	62.9	70.9	51.6	64.0	45.9	64.9	50.9	51.8	40.3	38.0	32.7
20	36.9	29.0	54.0	45.8	58.4	45.0	58.5	39.5	63.0	47.9	77.5	52.8	79.5	58.8	71.0	51.1	65.0	51.9	64.5	51.6	50.2	40.8	40.0	35.8
21	35.4	30.0	51.2	39.5	57.8	43.1	65.5	38.0	66.0	45.7	77.7	54.6	78.9	57.2	76.5	58.2	62.0	43.0	57.8	46.6	50.0	43.6	36.4	23.3
22	40.6	30.3	48.9	28.9	57.5	37.9	67.2	43.0	75.2	52.8	67.8	48.5	79.5	54.8	80.0	55.8	60.1	45.1	54.1	45.1	46.0	40.0	35.6	24.2
23	41.7	36.2	49.2	34.4	59.4	48.0	63.2	46.1	71.0	44.8	69.0	52.8	75.8	59.5	81.6	52.0	61.0	44.2	55.5	43.8	47.7	42.1	35.6	28.7
24	41.3	31.2	51.1	41.2	56.8	44.0	59.1	40.5	72.0	48.1	68.3	47.3	70.9	53.8	74.9	54.0	60.8	53.3	52.6	49.0	45.4	38.4	35.9	33.5
25	..	30.0	54.6	38.0	61.5	37.7	49.4	32.2	53.8	46.8	72.5	55.8	73.8	54.0	73.2	53.3	60.0	49.2	57.5	39.0	44.6	29.4	36.2	33.7
26	31.6	21.0	51.2	28.7	59.0	40.9	46.8	32.5	52.0	46.5	73.9	54.4	68.9	54.5	71.5	56.3	62.7	49.1	54.8	33.8	35.3	30.0	39.2	33.1
27	35.6	22.9	42.7	29.6	52.0	36.3	49.6	36.8	57.8	46.7	78.9	63.0	72.8	54.4	73.8	51.1	54.9	40.7	52.0	30.2	37.0	32.4	36.9	32.6
28	34.9	26.8	43.9	25.4	59.7	41.5	56.2	43.1	64.0	46.6	77.1	61.8	75.7	50.5	70.8	48.0	60.0	47.1	47.2	26.5	56.0	36.6	34.7	32.1
29	35.3	24.0			47.5	37.9	58.2	46.4	66.2	46.9	78.9	54.9	78.3	51.7	69.8	50.5	69.8	59.1	46.6	30.8	56.5	43.0	34.8	28.7
30	34.0	23.1			52.5	36.9	57.4	44.8	67.4	49.0	83.5	58.0	74.5	53.8	72.0	49.9	61.4	54.9	46.8	30.6	47.3	37.2	34.6	25.0
31	46.2	33.8			51.0	38.5			76.0	51.4			66.9	59.3	69.9	56.0			49.7	36.9			36.5	27.7
Means	45.0	35.3	50.2	37.4	54.7	39.7	56.0	39.5	63.6	45.4	76.2	53.6	73.5	54.7	74.3	53.8	65.3	50.9	58.4	44.0	48.8	38.9	39.1	30.8

TABLE XXVIII. - AMOUNT OF RAIN COLLECTED AT GREENWICH IN EACH MONTH OF THE YEAR 1950

Gauges partly sunk in the Ground in the Christie Enclosure	Monthly Amount of Rain collected in each Gauge													Height of Receiving Surface	
	No. of Gauge	January	February	March	April	May	June	July	August	September	October	November	December	Sums	Above the Ground	Above Mean Sea Level
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	ft. in.	ft. in.
	6	1.065	3.339	0.743	2.511	1.406	1.616	3.173	1.264	2.674	0.351	4.964	1.493	24.599	0 5	149 6
	8	1.041	3.351	0.729	2.479	1.388	1.558	3.132	1.255	2.606	0.330	4.961	1.461	24.291	1 0	150 1
Number of Rainy Days (0.005 in. or over)		10	21	9	18	12	11	17	16	20	9	21	15	179	..	..

From June 1 the rain day is 9^h - 9^h instead of 0^h - 24^h.

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

Hour Ending	January	February	March	April	May
h	miles	miles	miles	miles	miles
1	10.5	14.7	10.0	11.8	7.7
2	10.5	14.8	9.4	11.2	7.9
3	10.4	14.0	9.5	10.0	7.8
4	10.6	14.3	9.5	10.7	7.9
5	10.7	13.7	9.5	10.8	7.8
6	10.5	13.9	8.9	10.5	8.0
7	10.8	14.3	9.4	11.1	9.3
8	10.9	13.7	8.8	11.4	9.7
9	10.1	14.0	9.5	12.5	9.9
10	9.6	14.1	10.8	13.6	10.0
11	10.5	14.9	11.8	14.0	10.3
12	11.0	16.1	12.1	13.8	10.5
13	10.9	15.0	11.3	14.7	11.3
14	11.1	15.7	11.7	14.9	11.7
15	11.3	16.7	12.1	15.5	12.0
16	11.2	16.1	11.9	14.6	12.0
17	11.0	16.4	12.5	15.0	12.1
18	11.5	15.9	11.3	14.1	11.2
19	11.2	16.5	10.3	12.6	10.1
20	11.0	16.6	10.3	11.4	9.1
21	10.6	16.0	10.0	11.0	9.4
22	10.6	15.7	9.7	11.4	8.6
23	10.9	15.5	9.5	11.2	8.3
24	10.9	14.7	10.0	10.8	7.5
Means	10.8	15.1	10.4	12.4	9.6
Greatest Hourly Measures	25	40	33	35	25

* The measures are derived from the motion of the cups by the formula $V = 2.7\ v$, where v is the hourly motion of the cups in miles.

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